Nationaal Frequentie Plan Suriname (NFPS)

Telecommunicatie Autoriteit Suriname (TAS)

02 September 2013

Inhoudsopgave

1 Inleiding

Het Nationaal Frequentieplan van Suriname (NFPS) 2013- 2017 is een update van het vorige nationale frequentieplan en is aangepast aan de hand van de resultaten van de Wereld Radio Conferentie (WRC) 2012. Tijdens deze WRC zijn een aantal aanpassingen doorgevoerd in de internationale frequentietabel van het wereldwijde Radio Reglement afkomstig van de Internationale Telecommunicatie Unie (ITU).

Het Nationaal Frequentie Plan Suriname heeft een wettelijke basis en dient als instrument bij het vaststellen van het frequentiebeleid en de uitvoering van een efficiënt beheer van het frequentiespectrum in ons land. Het biedt dan ook een overzicht van de beschikbare frequentieruimte en de verdeling van het spectrum.
Artikel 3 lid 1g van de Wet Telecommunicatievoorzieningen (WTv) voorziet in de taakstelling van de Telecommunicatie Autoriteit Suriname (TAS). In dit artikel, staat vermeld dat de TAS belast is met het beheer van het frequentiespectrum.

2 Het beheer van het Frequentiespectrum

Op basis van de verplichting opgelegd in hoofdstuk 7 van de Wet Telecommunicatievoorzieningen, waarbij het volgende is opgenomen "In het belang van een doelmatige verzorging van de telecommunicatie en ter uitvoering van de op de Staat Suriname rustende internationale verplichtingen die voortvloeien uit het ITU-verdrag, als mede uit andere bindende verdragen of besluiten van volkenrechtelijke organisaties, is de Telecommunicatie Autoriteit Suriname (TAS) belast met de zorg voor het beheer van het frequentiespectrum[1]" .

Het frequentiespectrum dat gebruikt wordt ten behoeve van radiocommunicatie strekt zich uit van ongeveer 9kHz tot 1000 GHz. Binnen dit frequentiespectrum ligt het gereguleerde spectrum welke zich uitstrekt van 9kHz tot 200 GHz. Dit gedeelte van het spectrum wordt gerekend tot het gereguleerde spectrum en het is daarom noodzakelijk om goede en bindende afspraken te maken over het gebruik van frequenties om de volgende redenen:

1. Radiogolven kunnen zich voortplanten tot over de landsgrenzen waardoor internationale afstemming nodig is, vooral tussen buurlanden;

2. Het frequentiespectrum kan worden getypeerd als een relatief schaars goed. Toekenningen van frequenties is vaak genoeg slechts mogelijk aan één enkele gebruiker of dienst op een locatie. Is enkele gevallen wordt het zelfs landelijk toegekend aan een enkele gebruiker, denk bijvoorbeeld aan de cellulaire diensten als GSM, UMTS, etc. Door het soort gebruik en de toekenning is het dan ook niet mogelijk een ander partij te faciliteren, dus gezamenlijk gebruik is volledig

[1]) Wet Telecommunicatievoorzieningen artikel 62 lid 1.

uitgesloten. De schaarste wordt verstrekt door te bedenken dat niet alle technologieën in alle banden kan worden toegepast.

3. Andere redenen om te komen tot ordening en goed beheer is, de wereldwijde harmonisatie van spectrum gebruik op het gebied van diensten verzorging en apparatuur gebruik. Als voorbeeld kan worden opgenoemd bepaalde radiocommunicatie diensten op het gebied van scheep- en luchtvaart, satellietcommunicatie en radionavigatie waarbij internationale harmonisatie vanwege de aard van de toepassing noodzakelijk wordt geacht.. Deze diensten kunnen dan door het gebruik van dezelfde frequenties globaal worden ingezet.

4. Door de mondialisering van de telecommunicatiesector, het ingezette liberaliseringtraject, de ontwikkeling van nieuwe en innovatieve telecommunicatieapparatuur en diensten die veelal steeds meer bandbreedte vergen, de invoering van nieuwe digitale communicatie- en omroepsystemen naast de bestaande analoge systemen en de steeds groter wordende behoefte van burgers en bedrijven om overal goed bereikbaar te zijn, neemt de druk op het beschikbare frequentiespectrum steeds verder toe, vooral op die delen van het frequentiespectrum die geschikt zijn voor omroep en mobiele telecommunicatie. Dit betekent dat er een duidelijk en goed beheer vanuit de zijde van de TAS moet vastgesteld worden.

Om te komen tot een goede ordening van het frequentiespectrum zal rekening gehouden moeten worden met:

- Het aantal toepassingen per frequentieband;
- Het aantal gebruikers per frequentieband;
- Het stellen van voorwaarden en regels bij het gebruik van frequenties.

5. Harmonisatie van radiocommunicatie apparatuur speelt de laatste jaren een veel grote rol vanwege de vele voordelen die het met zich meebrengt. Deze voordelen zijn namelijk:

- efficiënter gebruik van het spectrum
- Doordat het apparatuur gestandardiseerd wordt kan er een grotere dekking bereikt worden
- De markt van het apparatuur wordt groter waardoor de produktiekosten dalen

Vanwege de aard van bepaalde radiocommunicatie toepassingen zoals die voor scheep- en luchtvaart, satellietcommunicatie en radionavigatie is (internationale) harmonisatie van belang. Internationale harmonisatie zorgt ervoor dat de voornoemde toepassingen over een groot geografisch gebied kunnen worden aangeboden op dezelfde frequentie en middels dezelfde apparatuur. Voorbeelden van deze type dienst zijn cellulair toepassingen en FM.

Het is gebleken dat de druk op het frequentiespectrum steeds toeneemt en vooral op de delen die geschikt zijn voor de diensten: omroep en mobiele communicatie om de volgende redenen:

1. Het ingezette liberaliseringstraject die ervoor zorgt dat de monopoly wordt verbroken;

2. De snelle groei van de telecommunicatie technologie;

3. Het ontwikkelen van apparatuur die veel meer bandbreedte vergt;

4. Het invoeren van nieuwe digitale communicatie- en omroepsystemen naarst de bestaande analoge systemen;

5. De grotere vraag naar data afkomstig van de burgers.

De bovenstaande opgesomde redenen geven allemaal dat het gereguleerde spectrum goed geordend dient te worden en dat er daarvoor een duidelijk beheer uitgestippeld dient te worden vanuit de zijde van de TAS.

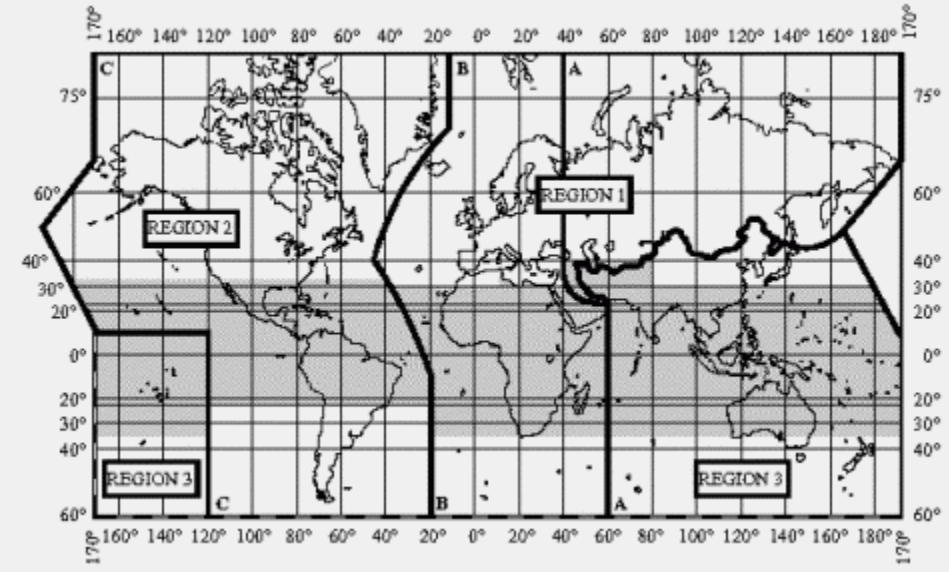
3 Het international beheer van het spectrum

De mondiale ordening van het frequentiespectrum wordt in internationaal verband bepaald. De Internationale Telecommunicatie Unie (ITU), een gespecialiseerde organisatie van de Verenigde Naties (VN) speelt hierbij een hoofdrol. De internationale verplichtingen die op de Staat Suriname rusten vloeien grotendeels voort uit de, in ITU-verband gemaakte wereldwijde afspraken.

Volgens artikel 3 lid f van de WTv wordt Suriname vertegenwoordigd bij internationale organisaties door de TAS.

De ITU is onder meer belast met de coördinatie van het frequentiegebruik. Deze coördinatie vindt plaats binnen de ITU-R waarbij de R staat voor Radiocommunications. In de ITU-R worden afspraken gemaakt over de indeling van het frequentiespectrum in frequentiebanden en de bestemmingen die aan de frequentiebanden worden gegeven. Deze afspraken over bestemmingen worden vastgelegd in een wereldwijde frequentietabel die is opgenomen in de ITU Radio Regelgeving (Radio Regulations [RR]). Daarnaast zijn de procedures opgenomen die lidstaten moeten volgen om het gebruik van frequenties af te stemmen en het opheffen van eventuele ontstane interferentie. Als lid van de VN en de ITU is Suriname gebonden aan de afspraken die binnen de ITU-R worden gemaakt.

De bestemming van frequenties blijft binnen de ITU beperkt tot algemene radiodiensten, zoals omroep, vaste verbindingen, mobiele communicatie of radioplaatsbepaling. Deze radiodiensten kunnen aardse (terrestrische) - of satellietdiensten zijn. De term radiodiensten omvat veel meer dan alleen telecommunicatiediensten, onder deze noemer vallen ook de diensten als plaatsbepaling, navigatie en toepassingen op het gebied van astronomie, meteorologie, industrie, wetenschap en ruimtevaart. Bij het bestemmen van de frequentiebanden wordt binnen de ITU een onderverdeling gemaakt in drie regio's. Suriname valt onder Regio 2, die verder bestaat uit Noord-, Centraal en Zuid-Amerika en Groenland.



De ITU onderverdeling in 3 regio's.

Ondanks de verdeling in regio's waarbij de toepassingen en toewijzingen in het ITU frequentietabel[2] als zodanig zijn opgenomen streeft men wereldwijd naar een harmonisch gebruik van bepaalde toepassingen.

De ITU RR worden iedere 3 à 4 jaar bijgewerkt tijdens een World Radio Conference (WRC).

Voor zover het de nadere bestemming betreft van frequentiebanden voor gebruik door de luchtvaart of scheepvaart wordt de internationale afstemming in aparte organen geregeld. Dit zijn respectievelijk de ICAO (International Civil Aviation Organisation) en IMO (International Maritime Organisation). Evenals de ITU zijn ICAO en IMO gespecialiseerde organisaties van de VN.

[2]) in ITU-termen heet deze tabel de 'Table of Frequency Allocations'. In artikel 5 van de Radio Regulations worden de frequentie-allocaties voor de drie regio's gegeven alsmede de uitzonderingen hierop. Deze uitzonderingen worden in de vorm van voetnoten ('foot notes') gegeven.

4 Ordening en beheer van het frequentiespectrum door de TAS

De ITU Radio Regulations hebben een bindend karakter. Er kan alleen worden afgeweken van het gebruik van de toepassingen als de kans op interferentie in het geheel is uitgesloten.
De ITU-frequentietabel geeft in grote lijnen een duidelijke richting aan het toegestane frequentiegebruik in Suriname. Toch heeft elk land in zeker opzicht op nationaal vlak een zekere mate van, nationale beleidsvrijheid voor het gebruik van de frequenties. Bij het uitvoeren van haar ordenings- en beheerstaken zal de TAS trachten om ordening te bereiken door kaders vast te stellen voor:

1. het aantal toepassingen in een frequentieband;
2. het aantal gebruikers per frequentieband;
3. voorwaarden en regels voor het gebruik van frequenties[3].

In de Memorie van Toelichting van de Wet Telecommunicatievoorzieningen is de hoofddoelstelling van het Surinaamse frequentie beleid opgenomen en luidt als volgt:
Het bevorderen van een zodanig gebruik van het frequentiespectrum dat een adequate bijdrage wordt geleverd aan maatschappelijke, economische en culturele belangen in Suriname onder waarborging van de veiligheid van de Staat, met inachtneming van de internationale verplichtingen die Suriname heeft. Daartoe zal de TAS zo veel als mogelijk:

- De mate van concurrentie op de telecommunicatiemarkt bevorderen;
- de verdere liberalisering van de telecommunicatiesector bevorderen waarbij rekening gehouden wordt met de belangen van relevante belanghebbenden;
- organisaties die vitale overheidstaken uitvoeren van voldoende frequenties (blijven) voorzien; en
- technologische ontwikkelingen en nieuwe, innovatieve, telecommunicatiediensten stimuleren.
- Het faciliteren van de verschillende gebruikers afkomstig uit de verschillende categorieen van spectrumgebruik.

Regelgevingskader en toezicht

De TAS is overeenkomstig de wettelijke bepalingen belast met het beheer van het frequentiespectrum op het Surinaams grondgebied (hoofdstuk 7 van de Wet Telecommunicatievoorzieningen art. 62). In het kader van de doelmatige verzorging van telecommunicatie in Suriname rust op de TAS de verplichting erop toe te zien dat er sprake is van efficiëntie bij zowel de uitgifte als het gebruik van frequenties.

[3]) Het stellen van eisen heeft tot doel storing aan anderen te voorkomen en doelmatig gebruik van het schaarse spectrum te bevorderen.

Als hoofdredenen voor het door de TAS uit te oefenen toezicht kunnen genoemd worden:

- Het voorkomen van interferentie (storingsvrij gebruik).
- Eerlijke en transparante verdeling van de schaarse frequenties.
- Harmonisatie en standaardisatie.

De TAS zal zoveel mogelijk trachten de specifieke voorwaarden die gelden voor het gebruik van frequenties ten behoeve van bepaalde toepassingen in de vergunningsvoorwaarden op te nemen. Bij frequenties voor mobiele telecommunicatie zullen de voorwaarden voor gebruik van de frequenties worden opgenomen. Hierbij zal er zoveel als mogelijk gestreefd worden naar uniformiteit en transparantie.

De TAS dient bij de uitgifte van frequenties rekening te houden met de bestemming zoals aangegeven door de ITU. Indien frequentiebanden voor verschillende toepassingen bestemd zijn zal de TAS zulks in acht nemen.

De wet hanteert bij de uitgifte en toekenning van frequenties als uitgangspunt het " first come first serve" principe; de toekenning van frequenties geschiedt in volgorde van binnenkomst van de aanvragen en is afhankelijk gesteld van de samenloop van aanvragen (art 62 lid 4 WTv).

Waar frequentiebanden slechts voor 1 bepaalde toepassing bestemd zijn, zoals het geval is bij GSM, dient de TAS bij de uitgifte van frequenties hier ook rekening mee te houden. Frequenties zullen in zulke gevallen landelijk uitgegeven worden, vanwege de concessieverplichtingen en de daarmee in verband zijnde bestemmingen. . Dienstverleners dienen bij de planning van hun operaties rekening te houden met deze uitgangspunten, gelet op het factureringsbeleid van de TAS.

Algemene voorwaarden voor gebruik

In het algemeen kan gesteld worden dat voorwaarden voor gebruik veelal van doen hebben met maximale uitzendvermogens, maximale uitgestraald vermogen, antenne uitstralingspatroon, en antenne versterking. Deze zaken worden vastgesteld om interferentie met andere gebruikers van het spectrum te voorkomen of zoveel mogelijk te beperken. Deze zaken worden gebruikelijk in de technische bijlage(n) van de door de TAS verstrekte vergunning of toestemming opgenomen. De TAS zal periodiek toetsen of de vergunninghouder of gebruiker van de frequenties zich aan de voorwaarden voor gebruik houdt.

Bijzondere voorwaarden voor gebruik

Frequenties dienen binnen de in de vergunning of toestemming aangegeven periode in gebruik gesteld te zijn, op straffe van intrekking door de TAS (art 64 WTv). Frequenties zijn niet overdraagbaar. Indien een derde partij een bedrijf overneemt aan wie op grond van de bedrijfsvoering frequenties zijn uitgegeven worden de frequenties geacht onderdeel uit te maken van het bedrijf. Volstaan kan worden met de akte van verkoop van het bedrijf of de documenten van overdracht.

In alle andere gevallen zal voor een overschrijving gevraagd dienen te worden. Bij omroep dient er overschrijving van de vergunning plaats te vinden. De overschrijving na goedkeuring van de Minister van Transport, Communicatie en Toerisme en ingewonnen advies van de TAS, geschiedt door de President.

Illegaal gebruik frequentiespectrum

Indien de TAS constateert dat er gebruik gemaakt wordt van het frequentiespectrum buiten een toekenning die door haar is verleend, zullen er tegen deze illegale gebruiker sancties worden getroffen in overeenstemming met de bepalingen in artikel 64 en hoofdstuk 13 WTv.

Eveneens zullen maatregelen in overeenstemming met artikel 64 en hoofdstuk 13 WTv getroffen worden tegen diegenen die interferentie veroorzaken, of in strijd handelen met de voorwaarden.

5 Toelichting op de frequentietabel

Hieronder volgt een toelichting op tabel van het NFPS. Het NFPS bevat de verdeling van de frequentieruimte over de verschillende radiodiensten en/of toepassingen. Per frequentieband is aangegeven voor welke specifieke radiodienst en/of toepassing de band in regio 2 en in Suriname mag worden gebruikt. In de kolom opmerkingen wordt de toepassing zo nodig nader toegelicht.

De verschillende kolommen van de tabel worden hieronder toegelicht.

Frequentiespectrum
In deze kolom wordt vindt u de verdeling van de frequenties terug zoals ze zijn opgenomen in de RR, de indeling stamt af van de ITU indeling van het frequentiespectrum. De frequentiebanden staan vermeld in de eenheid die in dat deel van het frequentiespectrum gebruikelijk is, met name in kilohertz (kHz) (=1000 Hz), Megahertz (MHz) (=1000 kHz) of Gigahertz (GHz) (=1000 MHz).

Bestemming ITU

In de kolom onder de kop 'Bestemming ITU' vindt u terug de frequentieband indeling van de ITU voor regio 2. Deze kolom bevat de onder- en de bovengrens van de betreffende frequentieband waarbij de eenheid correspondeert met de in de kolom 'frequentiebanden' vermelde eenheid. In de kolom vindt u eveneens terug de specifieke ITU-radiodiensten die de bestemming van de betreffende frequentiebanden vastleggen. .

Annex I geeft een overzicht van de definities van genoemde specifieke ITU-radiodiensten en de daarvoor gebruikelijke verkortingen. De ITU-radiodiensten kunnen een primaire of een secundaire status hebben. Lidstaten kunnen onder de voorwaarde van het 'Non Interference Basis' (NIB) principe een aanvullende of afwijkende bestemming aan frequentiebanden toeschrijven. Dit principe houdt in dat de betreffende radiodienst gebruik mag maken van deze frequentieband onder de voorwaarde dat deze geen storing veroorzaakt aan de radiodiensten met een primaire of secundaire status en bovendien hun storing accepteert.

De betekenis van de primaire status kan worden afgeleid uit de definitie van de secundaire status die is opgenomen in de Radio Regulations (RR) van de ITU. Over de secundaire status is in voetnoot 5.29, 5.30 en 5.31 van de ITU Radio Regulations het volgende voorgeschreven:

Secondary services:

- shall not cause harmful interference to stations of primary services to which frequencies are already assigned or to which frequencies may be assigned at a later date,
- cannot claim protection from harmful interference from stations of a primary service to which frequencies are already assigned or may be assigned at a later date,
- can claim protection, however, from harmful interference from stations of the same or other secondary services to which frequencies may be assigned at a later date.

Door middel van de schrijfwijze wordt in de ITU-tabel de onderscheidt weer gegeven tussen de hiervoor genoemde status. Het de primaire status van een radiodienst wordt genoteerd in hoofdletters [RADIODIENST] terwijl de secundaire status in klein letters wordt genoteerd[radiodienst]. Voor de uniformiteit is deze wijze van noteren is ook in het NFPS gehanteerd.

Naast het bovenstaande worden in deze kolom ook de relevante artikelen en voetnoten uit de ITU Radio Regulations vermeld. Een los getal (bijvoorbeeld 4) verwijst naar een artikel uit de ITU Radio Regulations. Getallen die worden voorafgegaan door '3.', bijvoorbeeld 3.479 hebben betrekking op een voetnoot uit de ITU Radio Regulations. Annex 2 geeft een overzicht van de voetnoten waaraan wordt gerefereerd. In Annex 3 is een verklarende woordenlijst opgenomen.

Bestemming Suriname
Onder de kop 'Bestemming Suriname' staat de frequentieband indeling zoals deze binnen de bovenstaande indeling in Suriname nader is bestemd en toegewezen. Suriname kan onder bepaalde voorwaarden afwijken van de ITU-band indeling en heeft dat in het verleden in een aantal gevallen ook gedaan. Thans is de in Suriname gevolgde bandindeling geheel gelijk aan die van de ITU. De in de ITU-band indeling aangegeven voetnoten zijn derhalve onverkort van toepassing voor Suriname. Mochten bepaalde voetnoten in de toekomst niet (meer) van toepassing zijn dan wordt hierover in de kolom 'Opmerkingen' bij de betreffende frequentieband een opmerking geplaatst.

Voordat een frequentie die op internationaal niveau van invloed kan zijn op andere gebruikers daadwerkelijk in gebruik kan worden, zal, middels coördinatie, in het bijzonder met de omringende landen en landen die onderhevig zijn aan invloeden van het gebruik afgestemd moeten. Dit kan voor de lagere frequentiebanden (HF en MF) betekenen dat in de betreffende band niet alle frequenties in Suriname gebruikt kunnen worden. Voor de hogere frequentiebanden (ruwweg boven de 30 MHz) betekent dit dat het gebruik van frequenties in de grensgebieden aan restricties zijn gebonden.

Gebruiks Categorieën
In de kolom categorie wordt er aangegeven aan welke categorie een frequentieband is toegewezen. De categorieën worden onderverdeeld in 4 groepen namelijk:

1. Zakelijk gebruik
2. Omroep
3. Vitale overheidstaken
4. Overig gebruik

Punt 1
Onder het zakelijk gebruik vallen de frequenties bestemd voor commercieel economische activiteiten binnen de private sector

Punt 2
Onder deze categorie vallen alle geluids- als televisieomroep inclusief het eventueel toevoegen van een datasignaal aan het omroepsignaal.

Punt 3
Het gaat hier om defensie, luchtvaart, maritieme en hulpdiensten toepassingen

Punt 4
Deze categorie bevat de resterende radiocommunicatie toepassingen.

Binnen de frequentiebanden zijn er toewijzingen aan verschillende categorieën mogelijk. Een meervoudige toewijzing wordt aangegeven door middel van de nummers gescheiden door een komma.

Diensten
Onder de kop ‘ Diensten’ staan de type diensten vermeld die in de desbetreffende frequentie band zijn toegewezen.

Standaard
Onder de kop ‘standaard’ worden de standaarden aangegeven die van toepassing zijn voor de aangegeven diensten.

Opmerkingen
Onder de kop ‘Opmerkingen’ wordt indien nodig een nadere toelichting gegeven van het geen in de kolom ‘Bestemming Suriname’ vermeld staat. Omdat de voetnoten zoals vermeld in de kolom ‘Bestemming ITU’ onverkort van toepassing zijn voor Suriname, zijn er thans geen opmerkingen in de kolom ‘Opmerkingen’ geplaatst.

6 Nationale FrequentieTabel Suriname

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
8.3-110 kHz	**onder 8.3**	**onder 8.3**			
	Niet toegewezen 5.53 5.54	Niet toegewezen			
	8.3-9	**8.3-9**			
	METEOROLOGISCHE WAARNEMINGEN 5.54A 5.54B 5.54C	METEOROLOGISCHE WAARNEMINGEN (4)	Lightning detection systems		
	9- 11.3	**9- 11.3**			
	METEOROLOGISCHE WAARNEMINGEN 5.54A	METEOROLOGISCHE WAARNEMINGEN (4)	Inductive applications	EN 300 330	Within the band 9- 148.5kHz
			ISM		
	RADIONAVIGATIE	RADIONAVIGATIE (4)	Active medical implants	EN 302 195	Within the band 9-315 kHz
			Lightning detection systems		
	11.3- 14	**11.3- 14**			
	RADIONAVIGATIE	RADIONAVIGATIE (4)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			ISM		
			Active medical implants	EN 302 195	Within the band 9-315 kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	14-19.95	**14-19.95**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MARITIEMMOBIELE COMMUNICATIE 5.57 5.55 5.56	MARITIEMMOBIELE COMMUNICATIE	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
		(3)	Active medical implants	EN 302 195	Within the band 9-315 kHz
	19.95-20.05	**19.95-20.05**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (20 kHz)	STANDAARD FREQUENTIE EN TIJDSIGNAAL (20 kHz) (4)			
	20.05-70	**20.05-70**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MARITIEMMOBIELE COMMUNICATIE 5.57 5.56 5.58	MARITIEMMOBIELE COMMUNICATIE (3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	70-90	**70-90**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Standard frequency and time signal		
	MARITIEMMOBIELE COMMUNICATIE 5.57	MARITIEMMOBIELE COMMUNICATIE (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz
	MARITIEME RADIONAVIGATIE 5.60	MARITIEME RADIONAVIGATIE (3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz
	Radioplaatsbepaling 5.61	Radioplaatsbepaling (4)			
	90-110	**90-110**			
	RADIONAVIGATIE 5.62	RADIONAVIGATIE (3)	Defense systems		
	Vaste verbindingen 5.64	Vaste verbindingen (3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz
110-200 kHz	**110-130**	**110-130**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
	MARITIEME RADIONAVIGATIE 5.60	MARITIEME RADIONAVIGATIE(3)	Active medical implants	EN 302 195	Within the band 9-315 kHz
	Radioplaatsbepaling 5.61 5.64	Radioplaatsbepaling(3)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	130-135.7	**130-135.7**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MARITIEMMOBIELE COMMUNICATIE 5.64	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz
	135.7-137.8	**135.7-137.8**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz
	Amateur 5.67A 5.64	Amateur(4)	Amateur	EN 301 783	Within the band 135.7-137.8 kHz
	137.8-160	**137.8-160**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MARITIEMMOBIELE COMMUNICATIE 5.64	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 9-148.5 kHz
			Active medical implants	EN 302 195	Within the band 9-315 kHz
	160-190	**160-190**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)			
	190-200	**190-200**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
200-495 kHz	**200-275**	**200-275**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (3)			
	Luchtvaart mobiele communicatie	Luchtvaart mobiele communicatie (3)			
	275-285	**275-285**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			
	Luchtvaart mobiele communicatie	Luchtvaart mobiele communicatie(3)			
	Maritieme radionavigatie (radiobakens)	Maritieme radionavigatie (radiobakens) (3)			
	285-315	**285-315**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			
	MARITIEME RADIONAVIGATIE (radiobakens) 5.73	MARITIEME RADIONAVIGATIE (radiobakens) (3)			
	315-325	**315-325**			
	MARITIEME RADIONAVIGATIE (radiobakens) 5.73	MARITIEME RADIONAVIGATIE (radiobakens) (3)	Beacons (maritime)		
			Inductive applications	EN 300 330	Within the band 148.5 kHz-30MHz
	Luchtvaart radionavigatie	Luchtvaart radionavigatie(3)	Active medical implants	EN 302 536	Within the band 315-600 kHz
			Beacons (aeronautical)		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	325-335	**325-335**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			
	Luchtvaart mobiele communicatie	Luchtvaart mobiele communicatie(3)			
	335-405	**335-405**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			
	Luchtvaart mobiele communicatie	Luchtvaart mobiele communicatie(3)			
	405-415	**405-415**			
	RADIONAVIGATIE 5.76	RADIONAVIGATIE(3)			
	Luchtvaart mobiele communicatie	Luchtvaart mobiele communicatie(3)			
	415-472	**415-472**			
	MARITIEMMOBIELE COMMUNICATIE 5.79	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5 kHz-30MHz. For RFID only within the band 400-600 kHz
	Luchtvaart radionavigatie 5.77 5.80 5.78 5.82	Luchtvaart radionavigatie(3)	Maritime communications		
			Active medical implants	EN 302 536	Within the band 315-600 kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	472-479	**472-479**			
	MARITIEME MOBIELE COMMUNICATIE 5.79	MARITIEME MOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5 kHz-30MHz. For RFID only within the band 400-600kHz
	Amateur 5.80A	Amateur (3)	Maritime communications	EN 300 373	
	Luchtvaart radionavigatie 5.77 5.80 5.72 5.80B 5.82	Luchtvaart radionavigatie(3)	Active medical implants	EN 302 536	Within the band 315-600kHz
	479-495	**479-495**			
	MARITIEMMOBIELE COMMUNICATIE 5.79 5.79A	MARITIEMMOBIELE COMMUNICATIE (3)	Active medical implants	EN 302 536	Within the band 315-600kHz
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz. For RFID only within the band 400-600kHz
			NAVTEX		NAVTEX transmission national language 490KHz
	Luchtvaart radionavigatie 5.77 5.80 5.82	Luchtvaart radionavigatie (3)	Maritime communications	EN 300 373	
495-1800 kHz	**495-505**	**495-505**			
	MARITIEM MOBIELE COMMUNICATIE	MARITIEM MOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz for RFID only within the band 400-600kHz
			Active medical implants	EN 302 536	Within the band 315-600kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	505-510	**505-510**			
	MARITIEMMOBIELE COMMUNICATIE 5.79	MARITIEMMOBIELE COMMUNICATIE(3)			
	510-525	**510-525**			
	MARITIEMMOBIELE COMMUNICATIE 5.79A 5.84	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications		Within the band 148.5kHz-30MHz. For RFID only within the band 400-600kHz
			NAVTEX		NAVTEX transmission national language 490kHz
			Active medical implants	EN 302 536	Within the band 315-600kHz
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)	Beacons (aeronautical)		
	525-535	**525-535**			
	OMROEP 5.86	OMROEP (2)			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			
	535-1605	**535-1605**			
	OMROEP	OMROEP(2)	Active medical implants	EN 302 536	Within the band 315-600kHz
			Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz for RFID only within the band 400-600kHz
	1605-1625	**1605-1625**			
	OMROEP 5.89 5.90	OMROEP(2)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1625-1705	**1625-1705**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(3)			
	OMROEP 5.89	OMROEP(2)			
	Radioplaatsbepaling 5.90	Radioplaatsbepaling(3)			
	1705-1800	**1705-1800**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(3)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (3)			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE(3)			
1800-2194 kHz	**1800-1850**	**1800-1850**			
	AMATEUR	AMATEUR(4)	Amateur	EN 301 783	
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	1850-2000	**1850-2000**			
	AMATEUR	AMATEUR(4)			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart(4)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING(4)			
	RADIONAVIGATIE 5.102	RADIONAVIGATIE(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2000-2065	**2000-2065**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	2065-2107	**2065-2107**			
	MARITIEMMOBIELE COMMUNICATIE 5.105 5.106	MARITIEMMOBIELE COMMUNICATIE(3)			
	2107-2170	**2107-2170**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	2170-2173.5	**2170-2173.5**			
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications	EN 300 373	
	2173.5-2190.5	**2173.5-2190.5**			
	MOBIELE COMMUNICATIE (nood en oproep) 5.108 5.109 5.110 5.111	MOBIELE COMMUNICATIE (nood en oproep) (3)	DSC for distress and calling	EN 300 373	2187.5KHz
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications	EN 300 373	2182 kHz (Radiotelephony distress and calling)
					2174.5 kHz Telex distress traffic

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2190.5-2194	**2190.5-2194**			
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications	EN 300 373	
2194-3230 kHz	**2194-2300**	**2194-2300**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MOBIELE COMMUNICATIE 5.112	MOBIELE COMMUNICATIE (3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications	EN 300 373	
			Radio determination applications		
	2300-2495	**2300-2495**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime	EN 300 373	
	OMROEP 5.113	OMROEP (2)			
	2495-2501	**2495-2501**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (2500 kHz)	STANDAARD FREQUENTIE EN TIJDSIGNAAL (2500 kHz) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	2501-2502	**2501-2502**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	Ruimte-onderzoek	Ruimte-onderzoek (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2502-2505	**2502-2505**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL (4)			
	2505-2850	**2505-2850**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	2850-3025	**2850-3025**			
	LUCHTVAART MOBIELE COMMUNICATIE (R) 5.111 5.115	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			SAR communications	EN 300 373	3023kHz (Aeronautical/Maritime radio telephony SAR coordination)
	3025-3155	**3025-3155**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical mobile (OR)		
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	3155-3200	**3155-3200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) 5.116 5.117	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (3)	Inductive applications	EN 300 330	Within the band 3155-3400kHz and within the band 148.5KHz-30MHz
			Maritime	EN 300 373	
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	3200-3230	**3200-3230**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Inductive applications	EN 300 330	Within the band 3155-3400kHz and within the band 148.5kHz-30MHz
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R)	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (3)	Maritime Communications	EN 300 373	
	OMROEP 5.113 5.116 5.118	OMROEP(2)	Defense systems		
3230-5003 kHz	**3230-3400**	**3230-3400**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Inductive applications	EN 300 330	Within the band 3155-3400kHz and within the band 148.5kHz-30MHz
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart(3)	Maritime Communications	EN 300 373	
	OMROEP 5.113 5.116 5.118	OMROEP(2)	Defense systems		
	3400-3500	**3400-3500**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical mobile communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	3500-3750	**3500-3750**			
	AMATEUR 5.119	AMATEUR (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	3750-4000	**3750-4000**			
	AMATEUR	AMATEUR(4)			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) 5.122 5.125	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (4)			
	4000-4063	**4000-4063**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	MARITIEMMOBIELE COMMUNICATIE 5.126 5.127	MARITIEMMOBIELE COMMUNICATIE (3)	Maritime communications	EN 300 373	
	4063-4438	**4063-4438**			
	MARITIEMMOBIELE COMMUNICATIE 5.79A 5.109 5.110 5.130 5.131 5.132 5.128 5.129	MARITIEMMOBIELE COMMUNICATIE(3)	DSC calling	EN 300 373	4207.5kHz (DSC distress traffic) Ship stations 4208, 4208.5 4209 kHz Coast stations 4219.5, 4220, 4220.5kHz
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications	EN 300 373	4210kHz (safety information) 4209.5 kHz (meteorological and navigational warnings) 4125kHz (Radiotelephony distress and safety traffic) 4177.5 kHz (Telex distress traffic)
			Navtex services	EN 300 065	4209.5KHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	4438-4488	**4438-4488**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R)	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	RADIOPLAATSBEPALING 5.132A	RADIOPLAATSBEPALING (4)			
	4488- 4650	**4488- 4650**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R)	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	4650- 4700	**4650- 4700**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Aeronautical communications		
	4700-4750	**4700-4750**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Aeronautical communications		
	4750-4850	**4750-4850**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R)	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (3)	Aeronautical communications		
	OMROEP 5.113	OMROEP(2)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	4850-4995	**4850-4995**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	LAND MOBIELE COMMUNICATIE	LAND MOBIELE COMMUNICATIE(4)			
	OMROEP 5.113	OMROEP(2)			
	4995-5003	**4995-5003**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (5000 kHz)	STANDAARD FREQUENTIE EN TIJDSIGNAAL (5000 kHz) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
5003-7450 kHz	**5003-5005**	**5003-5005**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL(4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	Ruimte-onderzoek	Ruimte-onderzoek (4)			
	5005-5060	**5005-5060**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	OMROEP 5.113	OMROEP (2)	Defense systems		
	5060-5250	**5060-5250**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Mobiele communicatie m.u.v. luchtvaart 5.133	Mobiele communicatie m.u.v. luchtvaart (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5250-5275	**5250-5275**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	RADIOPLAATSBEPALING 5.132A	RADIOPLAATSBEPALING (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	5275-5450	**5275-5450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	5450-5480	**5450-5480**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)			
	5480-5680	**5480-5680**			
	LUCHTVAART MOBIELE COMMUNICATIE (R) 5.111 5.115	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			SAR Comunications	EN 300 373	5680 (Aeronautical/ Maritime radio telephony SAR coordination

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5680-5730	**5680-5730**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR) 5.111 5.115	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			SAR Comunications	EN 300 373	5680 (Aeronautical/ Maritime radio telephony SAR coordination
	5730-5900	**5730-5900**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R)	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	5900-5950	**5900-5950**			
	OMROEP 5.134 5.136	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	5950-6200	**5950-6200**			
	OMROEP	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	6200-6525	**6200-6525**			
	MARITIEMMOBIELE COMMUNICATIE 5.109 5.110 5.130 5.132 5.137	MARITIEMMOBIELE COMMUNICATIE (3)	DSC	EN 300 373	6312.5, 6313, 6313.5, 6331, 6331.5, 6332 kHz DSC calling
					6312KHz DSC distress traffic
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
			Maritime communications	EN 300 373	6314KHz Maritime Safety information
					6215KHz Radiotelephony distress and safety traffic
					6268KHz Telex distress traffic
	6525-6685	**6525-6685**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz
	6685-6765	**6685-6765**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz-30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	6765-7000	**6765-7000**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) 5.138 5.138A 5.139	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330	Within the band 6765-6795 kHz and within the band 148.5kHz- 30MHz
			ISM		Within the band 6765-6795 kHz
			Non specific SRD's	EN 300 330	Within the band 6765-6795 kHz
	7000-7100	**7000-7100**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 789	
	AMATEUR SATELLIET 5.140 5.141 5.141A	AMATEUR SATELLIET (4)	Inductive applications	EN 300 330	Within the band 148.5kHz- 30MHz
	7100-7200	**7100-7200**			
	AMATEUR 5.141A 5.141B	AMATEUR (4)	Amateur	EN 301 789	
			Inductive applications	EN 300 330	Within the band 148.5kHz- 30MHz
	7200-7300	**7200-7300**			
	AMATEUR 5.142	AMATEUR (4)			
	7300-7400	**7300-7400**			
	OMROEP 5.134 5.143 5.143A 5.143B 5.143C 5.143D	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz- 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	7400-7450	**7400-7450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R)	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (4)			
7450-13360 kHz	**7450-8100**	**7450-8100**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) 5.144	MOBIELE COMMUNICATIE m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330	Within the band 7400-8800 kHz and within the band 148.5kHz- 30MHz
	8100-8195	**8100-8195**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Inductive applications	EN 300 330	Within the band 7400-8800 kHz and within the band 148.5Kkz- 30MHz
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE (3)	Maritime communciations	EN 300 373	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	8195-8815	**8195-8815**			
	MARITIEMMOBIELE COMMUNICATIE 5.109 5.110 5.132 5.145 5.111	MARITIEMMOBIELE COMMUNICATIE (3)	DSC calling		8415, 8415.5, 8416, 8436.5, 8437, 8437.5 kHz DSC calling
					DSC distress traffic 8414.5KHz
			Inductive applications	EN 300 330	Within the band 7400-8800 kHz and within the band 148.5kHz- 30MHz
			Maritime communications	EN 300 373	8416.5KHz Maritime Safety information
					8291KHz Radiotelephony distress and safety traffic
					8376.5KHz Telex distress traffic
	8815-8965	**8815-8965**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	8965-9040	**8965-9040**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical communications		
			Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	9040-9400	**9040-9400**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	9400-9500	**9400-9500**			
	OMROEP 5.134 5.146	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	9500-9900	**9500-9900**			
	OMROEP 5.147	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	9900-9995	**9900-9995**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	9995-10003	**9995-10003**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (10 000 kHz) 5.111	STANDAARD FREQUENTIE EN TIJDSIGNAAL (10 000 kHz) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	10003-10005	**10003-10005**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	Ruimte-onderzoek 5.111	Ruimte-onderzoek 5.111 (4)	SAR communications		10003 kHz (+/- 3kHz) concerning manned space vehicles

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	10005-10100	**10005-10100**			
	LUCHTVAART MOBIELE COMMUNICATIE (R) 5.111	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical mobile (R)		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	10100-10150	**10100-10150**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Amateur	EN 301 783	
	Amateur	Amateur (4)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	10150-11175	**10150-11175**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	Mobiele communicatie m.u.v. luchtvaart (R)	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330	Within the band 102000-11000 kHz and Within the band 148.5kHz – 30MHz
	11175-11275	**11175-11275**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical mobile (OR)		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	11275-11400	**11275-11400**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical mobile (R)		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	11400-11600	**11400-11600**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	11600-11650	**11600-11650**			
	OMROEP 5.134 5.146	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	11650-12050	**11650-12050**			
	OMROEP 5.147	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	12050-12100	**12050-12100**			
	OMROEP 5.134 5.146	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	12100-12230	**12100-12230**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	12230-13200	**12230-13200**			
	MARITIEMMOBIELE COMMUNICATIE 5.109 5.110 5.132 5.145	MARITIEMMOBIELE COMMUNICATIE (3)	Active medical implants	EN 300 330	
			DSC	EN 300 373	12577 kHz (DSC distress traffic)
					12577.5, 12578, 12578.5, 12657, 12567.5, 12658 kHz (DSC calling)
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

			Maritime communications	EN 300 373	12579 kHz (Maritime safety information) 12290 kHz (Radiotelephony distress and safety traffic) 12520 kHz (Telex distress traffic)
			Telex distress traffic	EN 300 373	
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname**	**Diensten**	**Standaard**	**Opmerkingen**
	13200-13260	**13200-13260**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
			Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	13260-13360	**13260-13360**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
			Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
13360-18030 kHz	**13360-13410**	**13360-13410**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	RADIO-ASTRONOMIE 5.149	RADIO-ASTRONOMIE (4)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Radio astronomy		Continuum observations
	13410-13450	**13410-13450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
	Mobiele communicatie m.u.v. luchtvaart (R)	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	13450-13550	**13450-13550**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Mobiele communicatie m.u.v. luchtvaart (R)	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
	RADIOPLAATSBEPALING 5.132A	RADIOPLAATSBEPALING (4)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	13550-13570	**13550- 13570**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	Mobiele communicatie m.u.v. luchtvaart (R) 5.150	Mobiele communicatie m.u.v. luchtvaart (R) (4)			
	13570-13600	**13570-13600**			
	OMROEP 5.134 5.151	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
			Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
	13600-13800	**13600-13800**			
	OMROEP	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
			Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
	13800-13870	**13800-13870**			
	OMROEP 5.134 5.151	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced

			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
			Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	13870-14000	**13870-14000**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
	Mobiele communicatie m.u.v. luchtvaart (R)	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
			Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
	14000-14250	**14000-14250**			
	AMATEUR	AMATEUR(4)	Amateur	EN 301 783	
	AMATEUR SATELLIET	AMATEUR SATELLIET(4)	Amateur Satellite		
			Inductive applications	EN 300 330 EN 302 291	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	14250-14350	**14250-14350**			
	AMATEUR 5.152	AMATEUR (4)	Amateur	EN 301 783	
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	14350-14990	**14350-14990**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Mobiele communicatie m.u.v. luchtvaart (R)	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	14990-15005	**14990-15005**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (15 000 kHz) 5.111	STANDAARD FREQUENTIE EN TIJDSIGNAAL (15 000 kHz) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			SAR (communication)		14993 kHz (+/-3 kHz concerning manned space vehicles
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	15005-15010	**15005-15010**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	Ruimte-onderzoek	Ruimte-onderzoek (4)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	15010-15100	**15010-15100**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	15100-15600	**15100-15600**			
	OMROEP	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	15600-15800	**15600-15800**			
	OMROEP 5.134 5.146	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	15800-16100	**15800-16100**			
	VASTE VERBINDINGEN 5.153	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	16100- 16200	**16100-16200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	RADIOPLAATSBEPALING 5.145A	RADIOPLAATSBEPALING (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	16200-16360	**16200-16360**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	16360-17410	**16360-17410**			
	MARITIME MOBILE 5.109 5.110 5.132 5.145	MARITIME MOBILE (3)	DSC	EN 300 373	16805, 16805.5, 16806, 16903, 16903.5, 16904 kHz (DSC calling) 16804.5 kHz (DSC distress trafic
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Maritime communications	EN 300 373	16806.5kHz (Maritime safety information) 16420 kHz (Radiotelephony distress and safety traffic) 16695 kHz (Telex distress traffic)
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	17410-17480	**17410-17480**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	17480-17550	**17480-17550**			
	OMROEP 5.134 5.146	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	17550-17900	**17550-17900**			
	OMROEP	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	17900-17970	**17900-17970**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	17970-18030	**17970-18030**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
18030-23350 kHz	**18030-18052**	**18030-18052**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	18052-18068	**18052-18068**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Ruimte-onderzoek	Ruimte-onderzoek (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	18068-18168	**18068-18168**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 783	
			Amateur Satellite		
	AMATEUR SATELLIET 5.154	AMATEUR SATELLIET (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	18168-18780	**18168-18780**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Mobiele communicatie m.u.v. luchtvaart	Mobiele communicatie m.u.v. luchtvaart (4)	DSC		18898.5, 18899, 18899.5 kHz (DSC calling)
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	18780-18900	**18780-18900**			
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE (3)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Maritime communications	EN 300 373	
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	18900-19020	**18900-19020**			
	OMROEP 5.134 5.146	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	19020-19680	**19020-19680**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	19680-19800	**19680-19800**			
	MARITIEMMOBIELE COMMUNICATIE 5.132	MARITIEMMOBIELE COMMUNICATIE (3)	DSC		19703.5, 19704, 19704.5kHz (DSC calling)
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Maritime communications	EN 300 373	19680.5kHz (Maritime safety information)
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	19800-19990	**19800-19990**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	19990-19995	**19990-19995**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			SAR communications		19993 kHz (+/- 3 kHz) concerning manned space vehicles
	Ruimte-onderzoek 5.111	Ruimte-onderzoek (4)	Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	19995-20010	**19995-20010**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (20 000 kHz) 5.111	STANDAARD FREQUENTIE EN TIJDSIGNAAL (20 000 kHz) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Active medical implants	EN 300 330	Active animal implantable devices within the band 125000-20000kHz
	20010-21000	**20010-21000**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Mobiele communicatie	Mobiele communicatie (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	21000-21450	**21000-21450**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 783	
	AMATEUR SATELLIET	AMATEUR SATELLIET (4)	Amateur Satellite		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	21450-21850	**21450-21850**			
	OMROEP	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	21850-21870	**21850-21870**			
	VASTE VERBINDINGEN 5.155A 5.155	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	21870-21924	**21870-21924**			
	VASTE VERBINDINGEN 5.155B	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	21924-22000	**21924-22000**			
	LUCHTVAART MOBIELE COMMUNICATIE (R)	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	22000-22855	**22000-22855**			
	MARITIEMMOBIELE COMMUNICATIE 5.132 5.156	MARITIEMMOBIELE COMMUNICATIE (3)	DSC	EN 300 373	22374.5, 22375, 22375.5, 22444, 22444.5, 22445 kHz (DC calling)
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Maritime communications	EN 300 373	22376 kHz (Maritime safety information)

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	22855-23000	**22855-23000**			
	VASTE VERBINDINGEN 5.156	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	23000-23200	**23000-23200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	Mobiele communicatie m.u.v. luchtvaart (R) 5.156	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	23200-23350	**23200-23350**			
	VASTE VERBINDINGEN 5.156A	VASTE VERBINDINGEN (3)	Defense systems		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Aeronautical communications		
23350-27500 kHz	**23350-24000**	**23350-24000**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.157	MOBIELE COMMUNICATIE m.u.v. luchtvaart (3)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	24000-24450	**24000-24450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	LAND MOBIELE COMMUNICATIE	LAND MOBIELE COMMUNICATIE (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	24450-24650	**24450-24650**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	LAND MOBIELE COMMUNICATIE	LAND MOBIELE COMMUNICATIE (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	RADIOPLAATSBEPALING 5.132A	RADIOPLAATSBEPALING (4)			
	24650-24890	**24650-24890**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	LAND MOBIELE COMMUNICATIE	LAND MOBIELE COMMUNICATIE (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	24890-24990	**24890-24990**			
	Amateur	Amateur (4)	Amateur	EN 301 783	
	Amateur Satelliet	Amateur Satelliet (4)	Amateur satellite		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	24990-25005	**24990-25005**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL (25 000 kHz)	STANDAARD FREQUENTIE EN TIJDSIGNAAL (25 000 kHz) (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	25005-25010	**25005-25010**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL	STANDAARD FREQUENTIE EN TIJDSIGNAAL (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	Ruimte-onderzoek	Ruimte-onderzoek (4)	Space research		Scientific and medical space research
	25010-25070	**25010-25070**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	25070-25210	**25070-25210**			
	MARITIEMMOBIELE COMMUNICATIE	MARITIEMMOBIELE COMMUNICATIE (3)	DSC	EN 300 373	25208.5,25209, 25209.5 kHz (DSC calling)
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Maritime communications	EN 300 373	
	25210-25550	**25210-25550**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	25550-25670	**25550-25670**			
	RADIO-ASTRONOMIE 5.149	RADIO-ASTRONOMIE (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Radio astronomy		Continuum observations
	25670-26100	**25670-26100**			
	OMROEP	OMROEP (2)	Broadcasting	EN 302 017 EN 302 245	Digital systems to be introduced
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	26100-26175	**26100-26175**			
	MARITIEMMOBIELE COMMUNICATIE 5.132	MARITIEMMOBIELE COMMUNICATIE (3)	DSC	EN 300 373	26121, 26121.5, 26122 kHz (DSC calling)
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Maritime communications	EN 300 373	26100.5 kHz (Maritime safety information)
	26175-26200	**26175-26200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	26200- 26420	**26200- 26420**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	RADIOPLAATSBEPALING 5.132A	RADIOPLAATSBEPALING (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	26420- 27500	**26420-27500**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	CB radio	EN 300 135 EN 300 433	Within the band 26.960-27.410 MHz
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.150	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Defense systems		
			Inductive applications	EN 300 330	Within the band 26.957- 27.283 MHz Within the band 148.5kHz- 30MHz
			ISM		Within the band 26.957- 27.283 MHz
			Model control	EN 300 220	26.995, 27.045, 27.095, 27.145, 27.195 MHz
			Non-specific SRDs	EN 300 220	Within the band 26.957- 27.283 MHz
27.5-47 MHz	**27.5-28**	**27.5-28**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	28-29.7	**28-29.7**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 783	
	AMATEUR SATELLIET	AMATEUR SATELLIET(4)	Amateur satellite		
			Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	29.7-30.005	**29.7-30.005**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Inductive applications	EN 300 330	Within the band 148.5kHz – 30MHz
			Radio microphones and ALD	EN 300 422	Within the band 29.7-47.0Mhz. Narrow band audio systems including tour guide systems on a tuning range basis
			Active medical implants	EN 302 510	Within the band 30.0-37.5MHz
	30.005-30.01	**30.005-30.01**			
	RUIMTE ACTIVITEITEN (satelliet identificatie)	RUIMTE ACTIVITEITEN (satelliet identificatie) (4)			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Radio microphones and ALD	EN 300 422	Within the band 29.7-47.0Mhz. Narrow band audio systems including tour guide systems on a tuning range basis
	RUIMTE-ONDERZOEK	RUIMTE-ONDERZOEK (4)	Active medical implants	EN 302 510	Within the band 30.0-37.5MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	30.01-37.5	**30.01-37.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
			Model control	EN 300 220	Within the band 34.995-35.225MHz only for flying models
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis
			Active medical implants	EN 302 510	Within the band 30.0-37.5MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	37.5-38.25	**37.5-38.25**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
	Radio-astronomie 5.149	Radio-astronomie (4)	Radio microphones and assistive listening devices	EN 300 422	Continuum observations
			Radio microphones and ALD	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	38.25-39.986	**38.25-39.986**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR		
				EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	39.986-40.02	**39.986-40.02**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
	Ruimte-onderzoek	Ruimte-onderzoek (4)	Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	40.02-40.98	**40.02-40.98**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE 5.150	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	40.98-41.015	**40.98-41.015**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
	Ruimte-onderzoek 5.160 5.161	Ruimte-onderzoek (4)	Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	41.015-42	**41.015-42**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE 5.160 5.161A 5.161	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	42- 42.5	**42- 42.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonized military band
	MOBIELE COMMUNICATIE 5.161	MOBIELE COMMUNICATIE (4)			
	42.5- 44	**42.5-44**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonized military band
	MOBIELE COMMUNICATIE 5.160 5.161A 5.161	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	44-47	**44-47**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonized military band
	MOBIELE COMMUNICATIE 5.162 5.162A	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis
			Wind profiler radars		In the range 46-68MHz geographical sharing with other services

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
47-75.2 MHz	**47-50**	**47-50**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonized military band
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Radio microphones and assistive listening devices	EN 300 422	Within the band 29.7-47.0MHz. Narrowband audio systems including tour guide systems on a tuning range basis
			Wind profiler radars		In the range 46-68MHz geographical sharing with other services

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	50-54	**50-54**			
	AMATEUR 5.162A 5.166 5.167 5.168 5.170	AMATEUR (4)			
	54-68	**54-68**			
	OMROEP	OMROEP (2)			
	Vaste verbindingen	Vaste verbindingen (4)			
	Mobiele communicatie 5.172	Mobiele communicatie NN1 (4)			
	68-72	**68-72**			
	OMROEP	OMROEP (2)			
	Vaste verbindingen	Vaste verbindingen (4)			
	Mobiele communicatie 5.173	Mobiele communicatie NN1 (4)			
	72-73	**72-73**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	73-74.6	**73-74.6**			
	RADIO-ASTRONOMIE 5.178	RADIO-ASTRONOMIE (4)			
	74.6-74.8	**74.6-74.8**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	74.8-75.2	**74.8-75.2**			
	LUCHTVAART RADIONAVIGATIE 5.180 5.181	LUCHTVAART RADIONAVIGATIE (4)			
75.2-137.175 MHz	**75.2-75.4**	**75.2-75.4**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.179	MOBIELE COMMUNICATIE (4)			
	75.4-76	**75.4-76**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	76-88	**76-88**			
	OMROEP	OMROEP (2)			
	Vaste verbindingen	Vaste verbindingen (4)			
	Mobiele communicatie 5.185	Mobiele communicatie NN1(4)			
	88-100	**88-108**			
	OMROEP	OMROEP (2)	FM sound-broadcasting		
	100-108	**100-108**			
	OMROEP 5.192 5.194	OMROEP (2)	FM sound-broadcasting		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	108-117.975	**108-117.975**			
	LUCHTVAART RADIONAVIGATIE 5.197 5.197A	LUCHTVAART RADIONAVIGATIE (3)	Aeronautical communications		Safety and regularity of flights, below 112MHz limited to ground based data link transmitters
			ILS		Localizer within the band 108-112MHz
			VOR		Within the band 108-117.975MHz
	117.975-137	**117.975-137**			
	LUCHTVAART MOBIELE COMMUNICATIE (R) 5.111 5.200 5.201 5.202	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)	Aeronautical communications	EN 300 676	Safety and regularity of flights

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	137-137.025	**137-137.025**			
	RUIMTE-ACTIVITEITEN (ruimte naar aarde)	RUIMTE-ACTIVITEITEN (ruimte naar aarde) (4)	Weather satellites		
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte-naar-aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte-naar-aarde) (4)	S-PCS	EN 301 721	Non geostationary
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.208A 5.208B 5.209	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	RUIMTE-ONDERZOEK (ruimte naar aarde)	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)	Land mobile		Mobile restricted to Aeronautical mobile OR including air sport.
	Vaste verbindingen	Vaste verbindingen (4)			
	Mobiele communicatie m.u.v. luchtvaart (R) 5.204 5.205 5.206 5.207 5.208	Mobiele communicatie m.u.v. luchtvaart (R) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	137.025-137.175	**137.025-137.175**			
	RUIMTE-ACTIVITEITEN (ruimte naar aarde)	RUIMTE-ACTIVITEITEN (ruimte naar aarde) (4)	Weather satellites		
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) (4)	S-PCS	EN 301 721	Non geostationary
	RUIMTE-ONDERZOEK (ruimte naar aarde)	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)			
	Vaste verbindingen	Vaste verbindingen(4)			
	Mobiele satellietverbindingen (ruimte naar aarde) 5.208A 5.208B 5.209	Mobiele satellietverbindingen (ruimte naar aarde) (4)	Land mobile		Mobile restricted to Aeronautical mobile OR including air sport.
	Mobiele communicatie m.u.v. luchtvaart (R) 5.204 5.205 5.206 5.207 5.208	Mobiele communicatie m.u.v. luchtvaart (R) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
137.175-148 MHz	**137.175-137.825**	**137.175-137.825**			
	RUIMTE-ACTIVITEITEN (ruimte naar aarde)	RUIMTE-ACTIVITEITEN (ruimte naar aarde) (4)	Weather satellites		
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) (4)	S-PCS	EN 301 721	Non geostationary
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.208A 5.208B 5.209	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	RUIMTE-ONDERZOEK (ruimte naar aarde)	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)			
	Vaste verbindingen	Vaste verbindingen (4)	Land mobile		Mobile restricted to Aeronautical mobile OR including air sport.
	Mobiele communicatie m.u.v. luchtvaart (R) 5.204 5.205 5.206 5.207 5.208	Mobiele communicatie m.u.v. luchtvaart (R) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	137.825-138	**137.825-138**			
	RUIMTE-ACTIVITEITEN (ruimte naar aarde)	RUIMTE-ACTIVITEITEN (ruimte naar aarde) (4)	Weather satellites		
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) (4)	S-PCS	EN 301 721	Non geostationary
	RUIMTE-ONDERZOEK (ruimte naar aarde)	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)			
	Vaste verbindingen	Vaste verbindingen			
	Mobiele satellietverbindingen (ruimte naar aarde) 5.208A 5.208B 5.209	Mobiele satellietverbindingen (ruimte naar aarde) (4)	Land mobile		Mobile restricted to Aeronautical mobile OR including air sport.
	Mobiele communicatie m.u.v. luchtvaart (R) 5.204 5.205 5.206 5.207 5.208	Mobiele communicatie m.u.v. luchtvaart (R) (4)	Mobile applications		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	138-143.6	**138-143.6**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band, including air operation control
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Landmobile		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Non specific SRD	EN 300 330	
	Ruimte-onderzoek (ruimte naar aarde)	Ruimte-onderzoek (ruimte naar aarde) (4)			
	143.6-143.65	**143.6-143.65**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band, including air operation control
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	RUIMTE-ONDERZOEK (ruimte naar aarde)	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)			
	143.65-144	**143.65-144**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band, including air operation control
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	Ruimte-onderzoek (ruimte naar aarde)	Ruimte-onderzoek (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	144-146	**144-146**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 783	
	AMATEUR SATELLIET 5.216	AMATEUR SATELLIET (4)	Amateur satellite		
	146-148	**146-148**			
	AMATEUR 5.217	AMATEUR (4)			
148-220 MHz	**148-149.9**	**148-149.9**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	S-PCS	EN 301 721	Non geostationary
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.209 5.218 5.219 5.221	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	PMR/ PAMR	En 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561	ML paired with 153.0-154.5 MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	149.9-150.05	**149.9-150.05**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.209 5.224A	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	S-PCS	EN 301 721	Non geostationary
	RADIONAVIGATIE MET SATELLIETEN 5.224B 5.220 5.222 5.223	RADIONAVIGATIE MET SATELLIETEN 5.220 5.223 (4)	PMR/ PAMR	EN 300 086	Single frequency applications
				EN 300 113	
				EN 300 219	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
	150.05-154	**150.05-154**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.225	MOBIELE COMMUNICATIE (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	154- 156.4875	**154- 156.4875**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	PMR/PAMR	EN 300 086	154-154.5 MHz FB paired with 149.4-149.9MHz
				EN 300 113	154.5-154.65MHz single frequency applications
				EN 300 219	154.65-156 MHz FB paired with 150.05-151.4MHz
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
	MOBIELE COMMUNICATIE 5.226	MOBIELE COMMUNICATIE (3)	Maritime communications	EN 300 162	
				EN 300 698	
				EN 301 025	
				EN 301 178	
				EN 301 929	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	156.4875- 156.5625	**156.4875- 156.5625**			
	MARITIEM MOBIELE COMMUNICATIE (NOOD EN OPROEP VIA DSC 5.111 5.226 5.227	MARITIEM MOBIELE COMMUNICATIE (NOOD EN OPROEP VIA DSC (3)	Maritime communications	EN 300 162	
				EN 300 698	
				EN 301 025	DSC
				EN 301 178	
				EN 301 929	DSC
	156.5625-156.7625	**156.5625-156.7625**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Maritime communications	EN 300 162	
	MOBIELE COMMUNICATIE 5.226	MOBIELE COMMUNICATIE (3)		EN 300 698	
				EN 301 025	DSC
				EN 301 178	
				EN 301 929	DSC
	156.7625-156.7875	**156.7625-156.7875**			
	MARITIEM MOBIELE COMMUNICATIE (nood en oproep)	MARITIEM MOBIELE COMMUNICATIE (3) (nood en oproep)	Maritime communications	EN 300 162	
	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) 5.111 5.226 5.228	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) (3)		EN 300 698	
				EN 301 025	
				EN 301 178	
				EN 301 929	
	156.7875- 156.8125	**156.7875- 156.8125**			
	MARITIEME MOBIELE COMMUNICATIE (NOOD EN OPROEP) 5.111 5.226	MARITIEME MOBIELE COMMUNICATIE (NOOD EN OPROEP) (3)	Maritime communications	EN 300 162	Distress, safety and calling 156.8MHz for the maritime mobile VHF radiotelephone service

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	156.8125- 156.8375	**156.8125- 156.8375**			
	MARITIEME MOBIELE COMMUNICATIE	MARITIEME MOBIELE (3)COMMUNICATIE	Maritime communications	EN 301 929	Satellite AIS Earth to space
	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) 5.111 5.226 5.228	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) (4)			
	156.8375- 161.9625	**156.8375- 161.9625**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Maritime communications	EN 300 162	
				EN 300 698	
				EN 301 025	
				EN 301 178	
				EN 301 929	
	MOBIELE COMMUNICATIE 5.226	MOBIELE COMMUNICATIE (4)	PMR/PAMR	EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
	161.9625- 161.9875	**161.9625- 161.9875**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (4)			
	MARITIEME MOBIELE COMMUNICATIE	MARITIEME MOBIELE COMMUNICATIE(4)			
	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) 5.110C 5.110D	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	161.9875- 162.015	**161.9875- 162.015**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Maritime communications	EN 300 162	
				EN 300 698	
				EN 301 025	
	MOBIELE COMMUNICATIE 5.226	MOBIELE COMMUNICATIE (3)		EN 301 178	
				EN 301 929	
	162.015- 162.0375	**162.015- 162.0375**			
	LUCHTVAART MOBIELE COMMUNICATIE (OR)	LUCHTVAART MOBIELE COMMUNICATIE (OR) (3)	Maritime communications	EN 300 162	
	MARITIEME MOBIELE COMMUNICATIE	MARITIEME MOBIELE COMMUNICATIE (3)		EN 300 698	
	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) 5.228C 5.228D	MOBIELE SATELLIET VERBINDINGEN (AARDE NAAR RUIMTE) (3)		EN 301 025	
				EN 301 178	
				EN 301 929	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	162.0375-174	**162.0375-174**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Aids for hearing impared	EN 300 422	The bands 169.400-169.475 MHz and 169.4875-169.5875; and within the band 169.4-174.0MHz on a tuning range basis . Within the band 173.965-174.015MHz ; and within the band 169.4-174.0MHz on a tuning range basis
			Asset tracking and tracing	EN 300 220	
			Meter reading	EN 300 220	
	MOBIELE COMMUNICATIE 5.226 5.230 5.231 5.232	MOBIELE COMMUNICATIE (4)	PMR/ PAMR	EN 300 086	Single frequency applications 165.225-169.4MHz ML paired with 169.825-174.0MHz, 162.05-165.2MHz: FB paired with 157.45-160.6MHz. The frequency 164.175 MHz is used for existing tracking and asset tracking systems on a national basis. 169.825-174 MHz FB paired with 165.225-169.4MHz

				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 302 561	
			Social alarms	EN 300 220	
	174-216	**174-216**			
	OMROEP	OMROEP (2)	Broadcasting terrestrial	EN 302 077	TV broadcasting
	Vaste verbindingen	Vaste verbindingen (4)	Aids for hearing impaired	EN 300 422	Within the band 173.965- 174.015MHz
	Mobiele communicatie 5.234	Mobiele communicatie (4) NN1	Radio microphones and ALD	EN 300 422	On a tuning range basis
	216-220	**216-220**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MARITIEM MOBIELE COMMUNICATIE	MARITIEM MOBIELE COMMUNICATIE (3)			
	Radioplaatsbepaling 5.241 5.242	Radioplaatsbepaling (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
220-335.4 MHz	**220-225**	**220-225**			
	AMATEUR	AMATEUR (4)			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	Radioplaatsbepaling 5.241	Radioplaatsbepaling (4)			
	225-235	**225-235**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (3)			
	235-267	**235-267**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band
	MOBIELE COMMUNICATIE 5.111 5.199 5.252 5.254 5.256 5.256A	MOBIELE COMMUNICATIE (3)			
	267-272	**267-272**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (3)			
	Ruimte-activiteiten (ruimte naar aarde) 5.254 5.257	Ruimte-activiteiten (ruimte naar aarde) (3)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	272-273	**272-273**			
	RUIMTE ACTIVITEITEN (ruimte naar aarde)	RUIMTE ACTIVITEITEN (ruimte naar aarde) (4)			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band Air traffic control
	MOBIELE COMMUNICATIE 5.254	MOBIELE COMMUNICATIE (3)			
	273-312	**273-312**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band Air traffic control
	MOBIELE COMMUNICATIE 5.254	MOBIELE COMMUNICATIE (3)			
	312-315	**312-315**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band Air traffic control
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (3)			
	Mobiele satellietverbindingen (aarde naar ruimte) 5.254 5.255	Mobiele satellietverbindingen (aarde naar ruimte) (4)			
	315-322	**315-322**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band Air traffic control
	MOBIELE COMMUNICATIE 5.254	MOBIELE COMMUNICATIE (3)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	322-328.6	**322-328.6**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (3)			
	RADIO-ASTRONOMIE 5.149	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line ovbservations
	328.6-335.4	**328.6-335.4**			
	LUCHTVAART RADIONAVIGATIE 5.258 5.259	LUCHTVAART RADIONAVIGATIE (3)	ILS/ Glide path		
335.4-410 MHz	**335.4-387**	**335.4-387**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band Air traffic control
	MOBIELE COMMUNICATIE 5.254	MOBIELE COMMUNICATIE (3)			
	387-390	**387-390**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military band
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMR/PAMR	EN 300 113 EN 301 166 EN 302 561 EN 300 390	Digital land mobile PMR/PAMR ML paired with 397.0-399.9MHz PPDR on a tuning range basis in 380-470MHz range.
	Mobiele satellietverbindingen (ruimte naar aarde) 5.208A 5.208B 5.254 5.255	Mobiele satellietverbindingen (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	390-399.9	**390-399.9**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military bands
	MOBIELE COMMUNICATIE 5.254	MOBIELE COMMUNICATIE (4)	PMR/PAMR	EN 300 113	Digital landmobile PMR/PAMR. FB paired with 385.0-389.9MHz. PPDR on a tuning basis in 380-470MHz range
				EN 301 166	
				EN 302 561	
	399.9-400.05	**399.9-400.05**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.209 5.224A	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	PPDR		
	RADIONAVIGATIE MET SATELLIETEN 5.222 5.224B 5.260 5.220	RADIONAVIGATIE MET SATELLIETEN (4)			
	400.05-400.15	**400.05-400.15**			
	STANDAARD FREQUENTIE EN TIJDSIGNAAL VANUIT SATELLIETEN (400.1 MHz) 5.261 5.262	STANDAARD FREQUENTIE EN TIJDSIGNAAL VANUIT SATELLIETEN (400.1 MHz) (4)	PPDR		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	400.15-401	**400.15-401**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	SPCS	EN 301 721	Non geostationary
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde (4)	Meteorological radiosondes		
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.208A 5.208B 5.209	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Sondes		
	RUIMTE-ONDERZOEK (ruimte naar aarde) 5.263	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)	Weather satellites		
	Ruimte-activiteiten (ruimte naar aarde) 5.262 5.264	Ruimte-activiteiten (ruimte naar aarde) (4)	PPDR		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	401-402	**401-402**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Weather satellites		Data collection platform telemetry
	RUIMTE ACTIVITEITEN (ruimte naar aarde)	RUIMTE ACTIVITEITEN (ruimte naar aarde) (4)			
	AARDE- EN ATMOSFEERONDERZOEK (aarde naar ruimte)	AARDE- EN ATMOSFEERONDERZOEK (aarde (4)naar ruimte)	Sondes	EN 302 054	
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (aarde naar rumte)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (aarde naar rumte) (4)			
	Vaste verbindingen	Vaste verbindingen (4)	Active medical implants	EN 302 537	ULP-AMI within the band 401-406MHz
	Mobiele communicatie m.u.v. luchtvaart	Mobiele communicatie m.u.v. luchtvaart (4)			
	402-403	**402-403**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Weather satellites		Data collection platform telemetry
	AARDE- EN ATMOSFEERONDERZOEK (aarde naar ruimte)	AARDE- EN ATMOSFEERONDERZOEK (aarde naar ruimte) (4)	Sondes	EN 302 054	
	METEOROLOGISCHE SATELLIETWAARNEMINGEN	METEOROLOGISCHE SATELLIETWAARNEMINGEN (4)			
	Vaste verbindingen	Vaste verbindingen (4)	Active medical implants	EN 302 537	ULP-AMI within the band 401-406MHz
	Mobiele communicatie m.u.v. luchtvaart	Mobiele communicatie m.u.v. luchtvaart (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	403-406	**403-406**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Sondes	EN 302 054	
	Vaste verbindingen	Vaste verbindingen			
	Mobiele communicatie m.u.v. luchtvaart	Mobiele communicatie m.u.v. luchtvaart (4)	Active medical implants	EN 301 839	ULP-AMI within the band 401-406MHz
	406-406.1	**406-406.1**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.266 5.267	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	PPDR Sat- EPIRB	EN 300 066 EN 302 152	Band only available for distress abd safety purposes
	406.1-410	**406.1-410**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	PMR/ PAMR	EN 300 086	Single frequency applications PPDR on a tuning range basis in 380-470MHz
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)		EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 302 561	
	RADIO-ASTRONOMIE 5.149	RADIO-ASTRONOMIE(4)			Continuüm observations

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
410-460 MHz	**410-420**	**410-420**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	PMR/ PAMR	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 449 EN 301 526 EN 302 426 En 302 561	ML paired with 420-430MHz PPDR on a tuning range basis in 380-470MHz range.
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	RUIMTE ONDERZOEK (ruimte naar ruimte) 5.268	RUIMTE ONDERZOEK (ruimte naar ruimte) (4)			
	420-430	**420-430**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	PMR/ PAMR	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 449 EN 301 526 EN 302 426 En 302 561	FB paired with 410-420MHz PPDR on a tuning basis in 380-470MHz range
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	Radioplaatsbepaling 5.269 5.270 5.271	Radioplaatsbepaling (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	430-432	**430-432**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur	EN 301 783	
	Amateur 5.271 5.276 5.277 5.278 5.279	Amateur (4)			
	432-438	**432-438**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	Amateur	Amateur (4)	Active sensors (satellite)		
	Aarde- en atmosfeeronderzoek (actief) 5.279A 5.271 5.276 5.277 5.278 5.279 5.281 5.282	Aarde- en atmosfeeronderzoek (actief) (4)	Amateur	EN 301 783	The use of this band by sensors in the EESS 9 active) shall be in accordance with recommendation ITU-RSA 1260-1
	438-440	**438-440**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur	EN 301 783	
	Amateur 5.271 5.276 5.277 5.278 5.279	Amateur (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	440-450	**440-450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	On site paging	EN 300 224	Call- out & answer back
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	PMR 446	EN 300 296 EN 301 166 EN 300 113	Analogue PMR-446 in 446-446.1MHz Digital PMR-446 in 4446.1-446.2
	Radioplaatsbepaling 5.269 5.270 5.271 5.284 5.285 5.286	Radioplaatsbepaling (4)	PMR/PAMR	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 300 471 EN 301 166 EN 301 449 En 302 561	
			Wind profilers		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	450-455	**450-455**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	On site paging	EN 300 224	
	MOBIELE COMMUNICATIE 5.286AA 5.209 5.271 5.286 5.286A 5.286B 5.286C 5.286D 5.286E	MOBIELE COMMUNICATIE (1)	PMR/PAMR	EN 300 086 EN 300 113 EN 300 219 EN 300 296 EN 300 341 EN 300 390 EN 301 166 EN 301 449 EN 301 526 EN 302 426 En 302 561	
	455-456	**455-456**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.286AA	MOBIELE COMMUNICATIE (1)			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.286A 5.286B 5.286C 5.209	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	456-459	**456-459**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Land mobile		Existing public cellular networks
	MOBIELE COMMUNICATIE 5.286AA 5.271 5.287 5.288	MOBIELE COMMUNICATIE (1)	On board communications	EN 300 720	Within the band 457.525
			On site paging	EN 300 224	Call out & answer back
			PMR/PAMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 301 449	
				EN 301 526	
				EN 302 426	
				En 302 561	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	459-460	**459-460**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.286AA	MOBIELE COMMUNICATIE (1)			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.286A 5.286B 5.286C 5.209	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
460-890 MHz	**460-470**	**460-470**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Land mobile		Existing public cellular networks
	MOBIELE COMMUNICATIE 5.286AA	MOBIELE COMMUNICATIE (4)	On board communications	EN 300 720	Within the band 457.525
	Meteorologische satellietwaarnemingen (ruimte naar aarde) 5.287 5.288 5.289 5.290	Meteorologische satellietwaarnemingen (ruimte naar aarde) (4)	Meteorological aids		
			PMR/PAMR	EN 300 086	
				EN 300 113	
				EN 300 219	
				EN 300 296	
				EN 300 341	
				EN 300 390	
				EN 300 471	
				EN 301 166	
				EN 301 449	
				EN 301 526	
				EN 302 426	
				En 302 561	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	470-512	**470-512**			
	OMROEP	OMROEP (2)			Televisie omroep
	Vaste verbindingen				
	Mobiele communicatie 5.292 5.293				
	512-608	**512-608**			
	OMROEP 5.297	OMROEP (2)			Televisie omroep
	608-614	**608-614**			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	Mobiele satelliet communicatie m.u.v. luchtvaart (aarde naar ruimte)	Mobiele satelliet communicatie m.u.v. luchtvaart (aarde naar ruimte) (4)			
	614-698	**614-698**			
	OMROEP	OMROEP (2)			Televisie omroep
	Vaste verbindingen				
	Mobiele communicatie 5.293 5.309 5.311A				
	698-806	**698-806**			
	OMROEP				
	Vaste verbindingen	vaste verbindingen (4)			
	MOBIELE COMMUNICATIE 5.313B 5.317A 5.293 5.309 5.311A	MOBIELE COMMUNICATIE (1)			
	806-890	**806-890**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.317A	MOBIELE COMMUNICATIE (1)			
	OMROEP 5.317 5.318				

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
890-1300 MHz	**890-902**	**890-902**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.317A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (1)			
	Radioplaatsbepaling 5.318 5.325	Radioplaatsbepaling (4)			
	902-928	**902-928**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	Amateur	Amateur (4)			
	Mobiele communicatie m.u.v. luchtvaart 5.325A	Mobiele communicatie m.u.v. luchtvaart (1)			
	Radioplaatsbepaling 5.150 5.325 5.326	Radioplaatsbepaling (4)			
	928-942	**928-942**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.317A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (1)			
	Radioplaatsbepaling 5.325	Radioplaatsbepaling (4)			
	942-960	**942-960**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.317A	MOBIELE COMMUNICATIE (1)			
	960-1164	**960-1164**			
	LUCHTVAART RADIONAVIGATIE 5.328	LUCHTVAART RADIONAVIGATIE 5.328 (3)			
	LUCHTVAART MOBIELE COMMUNICATIE (R) 5.327A	LUCHTVAART MOBIELE COMMUNICATIE (R) (3)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1164-1215	**1164-1215**			
	LUCHTVAART RADIONAVIGATIE 5.328	LUCHTVAART RADIONAVIGATIE 5.328 (3)	Galileo		Within the band 1164- 1214 MHz
	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) 5.328B 5.328A	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) (4)	GLONASS		Within the band 1190.3-1213.8 MHz
			Aeronautical navigation		Including DME, JTIDS, MIDS, SSR, TACAN
			GNSS Repeater	EN 302645	Within the band 1164-1300 MHz
	1215-1240	**1215-1240**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Defense systems		
	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) 5.328B 5.329 5.329A	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) (4)	GLONASS		Within the band 1237.8-1253.8MHz
	RUIMTE-ONDERZOEK (actief) 5.330 5.331 5.332	RUIMTE-ONDERZOEK (actief) 5.330 5.331 5.332 (4)	GPS		Within the band 1215.6-1239.6MHz
			Radiolocation (civil)		Radar and navigation systems
			GNSS repeater	EN 302 645	Within the band 1164-1300 MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1240-1300	**1240-1300**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur	EN 301 783	
	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) 5.328B 5.329 5.329A	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) (4)	Defense systems		
	RUIMTE-ONDERZOEK (actief)	RUIMTE-ONDERZOEK (actief)	GLONASS		
	Amateur 5.282 5.330 5.331 5.332 5.335 5.335A	Amateur (4)	Radiolocation (civil)		
			GNSS repeater	EN 302 645	Within the band 1164-1300 MHz
1300-1525 MHz	**1300-1350**	**1300-1350**			
	LUCHTVAART RADIONAVIGATIE 5.337	LUCHTVAART RADIONAVIGATIE (3)	Defense systems		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (3)	Radiolocation (civil)		Radar and navigation systems
	RADIONAVIGATIE MET SATELLIETEN (aarde naar ruimte) 5.149 5.337A	RADIONAVIGATIE MET SATELLIETEN (aarde naar ruimte) (4)	Radio astronomy		Continuum and spectral line observations
			Satellite navigation systems		
	1350-1400	**1350-1400**			
	RADIOPLAATSBEPALING 5.338A	RADIOPLAATSBEPALING (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1400-1427	**1400-1427**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy	Continuum and spectral line observations	
	RUIMTE-ONDERZOEK (passief) 5.340 5.341	RUIMTE-ONDERZOEK (passief) (4)			
	1427-1429	**1427-1429**			
	RUIMTE ACTIVITEITEN (aarde naar ruimte)	RUIMTE ACTIVITEITEN (aarde naar ruimte) (4)	Fixed	EN 302 217	Low capacity links
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	5.338A 5.341	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	1429-1452	**1429-1452**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE 5.343 5.338A 5.341	MOBIELE COMMUNICATIE (3)	Fixed	EN 302 217	Low capacity links
	1452-1492	**1452-1492**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.343	MOBIELE COMMUNICATIE (4)			
	OMROEP 5.345	OMROEP (2)	Satellite radio		S-DAB within the band 1479.5-1492.0 MHz
	OMROEPSATELLIET 5.208B 5.345 5.341 5.344	OMROEPSATELLIET (2)	T-DAB	EN 302 077	Within the band 1452.0-1479.5MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1492-1518	**1492-1518**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE 5.343 5.341 5.344	MOBIELE COMMUNICATIE (3)	Fixed	EN 302 217	Low capacity links
	1518-1525	**1518-1525**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	MOBIELE COMMUNICATIE 5.343	MOBIELE COMMUNICATIE (3)	IMT satellite component		
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.348 5.348A 5.348B 5.351A 5.341 5.344	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MSS earth stations	EN 301 444 EN 301 681 EN 302 217	
			Fixed	EN 302 217	Unidirectional fixed links
1525-1610 MHz	**1525-1530**	**1525-1530**			
	RUIMTE ACTIVITEITEN (ruimte naar aarde)	RUIMTE ACTIVITEITEN (ruimte naar aarde) (4)	MSS		
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.347A 5.351A	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MSS earth stations	EN 301 444 EN 301 681 EN 302 217	Priority for GMDSS distress, urgency and safety and for AMS ® categories 1 to 6 communications
	Aarde- en atmosfeeronderzoek	Aarde- en atmosfeeronderzoek(4)			
	Vaste verbindingen	Vaste verbindingen(4)			
	Mobiele communicatie 5.343 5.341 5.351 5.354	Mobiele communicatie (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1530-1535	**1530-1535**			
	RUIMTE ACTIVITEITEN (ruimte naar aarde)	RUIMTE ACTIVITEITEN (ruimte naar aarde) (4)	IMT satellite componet		
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.347A 5.351A 5.353A	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.351A 5.353A (4)	MSS earth stations	EN 301 444 EN 301 681 EN 302 217 En 301 681	Priority for GMDSS distress, urgency and safety and for AMS ® categories 1 to 6 communications
	Aarde- en atmosfeeronderzoek	Aarde- en atmosfeeronderzoek (4)			
	Vaste verbindingen	Vaste verbindingen (4)			
	Mobiele communicatie 5.343 5.341 5.351 5.354	Mobiele communicatie (4)			
	1535-1559	**1535-1559**			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.208B 5.351A 5.341 5.351 5.353A 5.354 5.355 5.356 5.357 5.357A 5.359 5.362A	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	IMT satellite componet		
			MSS earth stations	EN 301 444 EN 301 681 EN 302 217 En 301 681	Priority for GMDSS distress, urgency and safety and for AMS ® categories 1 to 6 communications

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1559-1610	**1559-1610**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)	GALILEO		Wihin the band 1559.42-1591.42 MHz
	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) 5.208B 5.328B 5.329A 5.341 5.3362B 5.362C	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) (4)	GLONASS		Within the band 1592.9-1610.5MHz
			GNSS Pseudolites		
			GNSS REPEATER	EN 302 645	
			gps		Within the band 1563.42-1587.42
1610-1660 MHz	**1610-1610.6**	**1610-1610.6**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	GLONASS		Within the band 1592.9-1610.5 MHz
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)	IMT Satellite component		
	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) 5.341 5.364 5.366 5.367 5.368 5.370 5.372	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) (4)	MSS earth stations	EN 301 444 EN 301 473	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1610.6-1613.8	**1610.6-1613.8**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	IMT Satellite component		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	MSS earth stations	EN 301 444 EN 301 473	
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)			
	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) 5.149 5.341 5.364 5.366 5.367 5.368 5.370 5.372	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) (4)	Radio astronomy		
	1613.8-1626.5	**1613.8-1626.5**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	IMT Satellite component		
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)	MSS earth stations	EN 301 441	
	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte)	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) (4)		EN 301 426	
	Mobiele satellietverbindingen (ruimte naar aarde) 5.208B 5.341 5.364 5.365 5.366 5.367 5.368 5.370 5.372	Mobiele satellietverbindingen (ruimte naar aarde) (4)		EN 301 473	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1626.5-1660	**1626.5-1660**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A 5.341 5.351 5.353A 5.354 5.355 5.357A 5.359 5.362A 5.374 5.375A 5.376	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	IMT Satellite component		
			MSS earths stations	EN 301 441 EN 301 426 EN 301 473	Priority for GMDSS distress, urgency and safety and for AMS ® categories 1 to 6 communications within the band 1645.5-1646.5MHz
1660-1710 MHz	**1660-1660.5**	**1660-1660.5**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	IMT Satellite component		
	RADIO-ASTRONOMIE 5.149 5.341 5.351 5.354 5.362A 5.376A	RADIO-ASTRONOMIE (4)	MSS earths stations	EN 301 441 EN 301 426 EN 301 473	
			Radio astronomy		Continuum and spectral line observations
	1660.5-1668	**1660.5-1668**			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Defense systems		
	Vaste verbindingen	Vaste verbindingen (3)	Radio astronomy		Continuum and spectral line observations
	Mobiele communicatie m.u.v. luchtvaart 5.149 5.341 5.379 5.379A	Mobiele communicatie m.u.v. luchtvaart (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1668-1668.4	**1668-1668.4**			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A 5.379B 5.379C	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Defense systems		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	IMT satellite component	EN 301 473	
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	Vaste verbindingen	Vaste verbindingen (3)			
	Mobiele communicatie m.u.v. luchtvaart 5.149 5.341 5.379 5.379A	Mobiele communicatie m.u.v. luchtvaart(4)			
	1668.4-1670	**1668.4-1670**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN(4)	IMT satellite component	EN 301 473	
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(3)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Meterology		
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A 5.379B 5.379C	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Radio astronomy		Continuum and spectral line observations
	RADIO-ASTRONOMIE 5.149 5.341 5.379D 5.379E	RADIO-ASTRONOMIE (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1670-1675	**1670-1675**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	IMT satellite component		
	VASTE VERBINDINGEN	VASTE VERBINDINGEN			
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (4) (ruimte naar aarde)	Weather satellites		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	MSS earths stations	EN 301 444 EN 301 681 EN 301 473	
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A 5.379B 5.341 5.379D 5.379E 5.380A	MOBIELE SATELLIETVERBINDINGEN (aarde (4)naar ruimte)			
	1675-1690	**1675-1690**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Sondes	EN 302 454	Meteorological radiosondes
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	METEOROLOGISCHE SATELLIETWAARNEMINGEN	METEOROLOGISCHE SATELLIETWAARNEMINGEN (4)	Weather satellites		Data collection platform
	(ruimte naar aarde) MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.341	(ruimte naar aarde) MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1690-1700	**1690-1700**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)			
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) 5.289 5.341 5.381	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) (4)			
	1700-1710	**1700-1710**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde)	METEOROLOGISCHE SATELLIETWAARNEMINGEN (4) (ruimte naar aarde)	Weather satellites		Data collection platform. Allocation to EESS is via RR5.289
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.289 5.341	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
1710-2170 MHz	**1710-1930**	**1710-1930**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.384A 5.388A 5.388B 5.149 5.341 5.385 5.386 5.387 5.388	MOBIELE COMMUNICATIE (1)			
	1930-1970	**1930-1970**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT	EN 301 908	
	MOBIELE COMMUNICATIE 5.388A 5.388B	MOBIELE COMMUNICATIE (1)			
	Mobiele satellietverbindingen (aarde naar ruimte) 5.388	Mobiele satellietverbindingen (aarde naar ruimte) 5.388 (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	1970-1980	**1970-1980**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT	EN 301 908	
	MOBIELE COMMUNICATIE 5.388A 5.388B	MOBIELE COMMUNICATIE (1)			
	5.388				
	1980-2010	**1980-2010**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.351A 5.388 5.389A 5.389B 5.389F	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	MSS earth stations	EN 301 442 EN 301 473 EN 302 574	
	2010-2025	**2010-2025**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT	EN 301 908	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)			
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.388 5.389C 5.389D 5.389E	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2025-2110	**2025-2110**			
	RUIMTE ACTIVITEITEN (aarde naar ruimte) (ruimte naar ruimte)	RUIMTE ACTIVITEITEN (aarde naar ruimte) (ruimte naar ruimte) (4)	Fixed	EN 302 217	
	AARDE- en ATMOSFEERONDERZOEK (aarde naar ruimte) (ruimte naar ruimte)	AARDE- en ATMOSFEERONDERZOEK (aarde naar ruimte) (ruimte naar ruimte) (4)	Defense systems		Harmonised military band for tactical radio relay links for near cross border operation within the band 2025-2070 MHz
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)			
	MOBIELE COMMUNICATIE 5.391	MOBIELE COMMUNICATIE (4)			
	RUIMTE-ONDERZOEK (aarde naar ruimte) (ruimte naar ruimte) 5.392	RUIMTE-ONDERZOEK (aarde naar ruimte) (ruimte naar ruimte) (4)		Space research	EESS satellite payload and platform telecommand
			PMSE	EN 302 064	
	2110-2120	**2110-2120**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT	EN 301 908	
	MOBIELE COMMUNICATIE 5.388A 5.388B	MOBIELE COMMUNICATIE (1)			
	RUIMTE-ONDERZOEK (verre ruimte) (aarde naar ruimte) 5.388	RUIMTE-ONDERZOEK (verre ruimte) (aarde naar ruimte) (4)			
	2120-2160	**2120-2160**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT	EN 301 908	
	MOBIELE COMMUNICATIE 5.388A 5.388B	MOBIELE COMMUNICATIE (1)			
	Mobiele satellietverbindingen (ruimte naar aarde) 5.388	Mobiele satellietverbindingen (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2160-2170	**2160-2170**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT	EN 301 908	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.388 5.389C 5.389E	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
2170-2520 MHz	**2170-2200**	**2170-2200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)	IMT	EN 301 908	
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.351A 5.388 5.389A 5.389F 5.392A	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MSS earth stations	EN 301 442 EN 301 473 EN 302 574	The mobile satellite systems using this band may incoroporate a Complementary Ground Component (CGC)

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2200-2290	**2200-2290**			
	RUIMTE ACTIVITEITEN (ruimte naar aarde) (ruimte naar ruimte)	RUIMTE ACTIVITEITEN (ruimte naar aarde) (ruimte naar ruimte) (4)	Fixed	EN 302 217	
	AARDE- en ATMOSFEERONDERZOEK (ruimte naar aarde) (ruimte naar ruimte)	AARDE- en ATMOSFEERONDERZOEK (ruimte naar aarde) (ruimte naar ruimte) (4)	Defense systems		Harmonised military band for tactical radio relay links for near cross border operation within the band 2200-2245MHz
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)			
	MOBIELE COMMUNICATIE 5.391	MOBIELE COMMUNICATIE (1)			
	RUIMTE-ONDERZOEK (ruimte naar aarde) (ruimte naar ruimte) 5.392	RUIMTE-ONDERZOEK (ruimte naar aarde) (ruimte naar ruimte) (4)	Radio astronomy		
			PMSE	EN 302 064	SAP/SAB on a tuning range
			Space research		EES satellite payload and platform telemetry

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2290-2300	**2290-2300**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Land mobile		Mobile applications
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (1)			
	RUIMTE-ONDERZOEK (verre ruimte) (ruimte naar aarde)	RUIMTE-ONDERZOEK (verre ruimte) (ruimte naar aarde) (4)	Space research		Satellite payload and platform telemetry for space research (deep space) Continuum observation
	2300-2450	**2300-2450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Amateur	EN 301 783	
	MOBIELE COMMUNICATIE 5.384A	MOBIELE COMMUNICATIE (1)	Amateur Satellite		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	ISM		
	Amateur 5.150 5.282 5.393 5.394 5.396	Amateur (4)	Non specific SRD's	EN 300 440	Within the band 2400.0-2483.5 MHz
			Radiodetermination applications	EN 300 440	Within the band 2400.0-2483.5 MHz
			RFID	En 300 761	Within the band 2446-2454 MHz
			RFID	EN 300 440	Within the band 2446-2454 MHz
			Wideband data transmission systems	EN 300 328	Within the band 2400.0-2483.5 MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2450-2483.5	**2450-2483.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	ISM		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Non specific SRD's	EN 300 440	Within the band 2400.0-2483.5 MHz
	RADIOPLAATSBEPALING 5.150	RADIOPLAATSBEPALING (4)	Radiodetermination applications	EN 300 440	Within the band 2400.0-2483.5 MHz
			RFID	En 300 761	Within the band 2446-2454 MHz
			RFID	EN 300 440	Within the band 2446-2454 MHz
			Wideband data transmission systems	EN 300 328	Within the band 2400.0-2483.5 MHz
	2483.5-2500	**2483.5-2500**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	IMT satellite component		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	ISM		
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.351A	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Landmobile		Mobile applications
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) 5.398 5.150 5.402	RADIODETERMINATIE MET SATELLIETEN (aarde naar ruimte) (4)	MSS earth stations	EN 301 441 EN 301 473	
			PMSE	EN 302 064	SAP/SAB
			Active medical implants	EN 301 559	Low power active medical implants and associated peripherals

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2500-2520	**2500-2520**			
	VASTE VERBINDINGEN 5.410	VASTE VERBINDINGEN 5.410 (1)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.415	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.384A 5.404	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
2520-2700 MHz	**2520-2655**	**2520-2655**			
	VASTE VERBINDINGEN 5.410	VASTE VERBINDINGEN 5.410 (1)	Defense systems		
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.415	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.384A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	TRA-ECS	EN 301 908 EN 302 544	IMT is considered as part of TRA-ECS
	OMROEPSATELLIET 5.413 5.416 5.339 5.417C 5.417D 5.418B 5.418C	OMROEPSATELLIET (2)	PMSE	EN 302 064	Sap/ SAB on a tuning range basis

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2655-2670	**2655-2670**			
	VASTE VERBINDINGEN 5.410	VASTE VERBINDINGEN 5.410 (1)	TRA-ECS	EN 301 908 EN 302 544	IMT is considered as part of TRA-ECS
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	(ruimte naar aarde) 5.415	(ruimte naar aarde)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.384A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Radio astronomy		Continuüm observations
	OMROEPSATELLIET 5.413 5.416	OMROEPSATELLIET (4)			
	Aarde- en atmosfeeronderzoek (passief)	Aarde- en atmosfeeronderzoek (passief) (4)	PMSE	EN 302 064	SAP/SAB on a tuning range
	Radio-astronomie	Radio-astronomie (4)			
	Ruimte-onderzoek (passief) 5.149 5.208B	Ruimte-onderzoek (passief) (4)			
	2670-2690	**2670-2690**			
	VASTE VERBINDINGEN 5.410	VASTE VERBINDINGEN 5.410 (1)	Radio astronomy		Continuüm observations
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (ruimte naar aarde) 5.208B 5.415	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.384A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	TRA-ECS	EN 301 908 EN 302 544	IMT is considered as part of TRA-ECS
	Aarde- en atmosfeeronderzoek (passief)	Aarde- en atmosfeeronderzoek (passief) (4)			
	Radio-astronomie	Radio-astronomie (4)			
	Ruime-onderzoek (passief) 5.149	Ruime-onderzoek (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	2690-2700	**2690-2700**			
	AARDE- en ATMOSFEERONDERZOEK (passief)	AARDE- en ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuüm observations
	RUIMTE-ONDERZOEK (passief) 5.423 5.424	RUIMTE-ONDERZOEK (passief) (4)			
2700-4800 MHz	**2700-2900**	**2700-2900**			
	LUCHTVAART RADIONAVIGATIE 5.337	LUCHTVAART RADIONAVIGATIE (4)	Weather radar		
	Radioplaatsbepaling 5.423 5.424	Radioplaatsbepaling (4)	Aeronautical navigation		Radar and navigation systems
			Radiolocatio n (civil)		
	2900-3100	**2900-3100**			
	RADIOPLAATSBEPALING 5.424A	RADIOPLAATSBEPALING (4)	Defense systems		
	RADIONAVIGATIE 5.426 5.425 5.427	RADIONAVIGATIE (4)	Radiolocatio n (civil)	EN 302 248 EN 302 752	Radar and navigation systems

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	3100-3300	**3100-3300**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Active sensors (satellite)		
	Aarde- en atmosfeeronderzoek (actief)	Aarde- en atmosfeeronderzoek (actief) (4)	Defense systems		
	Ruimte-onderzoek (actief) 5.149 5.428	Ruimte-onderzoek (actief) (4)	Radars (civil)		Radars
			UWB	EN 302 065	Generic UWB Location tracking type 2 (LT2) Location Application for emergency services (LAES)
			Radio astronomy		Spectral line observations
	3300-3400	**3300-3400**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	Amateur	Amateur(4)			
	Vaste verbindingen	Vaste verbindingen(4)			
	Mobiele communicatie 5.149 5.430	Mobiele communicatie (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	3400-3500	**3400-3500**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Amateur	EN 301 783	Footnote 5.431A is geldig voor Suriname
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	Mobiele communicatie 5.431A	MOBIELE COMMUNICATIE 5.413A (1)	BWA	EN 302 217 EN 302 326 EN 302 623 EN 302 774	Within the band 3400-3800MHz
	Radioplaatsbepaling 5.433	Radioplaatsbepaling (4)	FSS	EN 301 443	
	Amateur	Amateur (4)	PMSE	EN 302 064	
			Radiolocation (civil)		Upperlimit for airborne radars is 3410MHz
			UWB	EN 302 065	Generic UWB Location tracking type 2 (LT2) Location Application for emergency services (LAES)
			MFCN		Within the band 3400-3800MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	3500-3700	**3500-3700**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (1)			
	Radioplaatsbepaling 5.433	Radioplaatsbepaling (4)			
	3700-4200	**3700-4200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (1)			
	4200-4400	**4200-4400**			
	LUCHTVAART RADIONAVIGATIE 5.438 5.439 5.440	LUCHTVAART RADIONAVIGATIE (4)	Altimeters		
			Passive sensors (satellite)		For sea surface temperature measurements
			UWB	EN 302 065	Generic UWB Location tracking type 2 (LT2) Location application for emergency services (LAES)

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	4400-4500	**4400-4500**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military for fixed and mobile systems
	MOBIELE COMMUNICATIE 5.440A	MOBIELE COMMUNICATIE (4)	PMSE	EN 302 064	Mobile applications for coordinated SAB/SAP applications for occasional use
			UWB applications	EN 302 065	Generic UWB Location tracking type 2 (LT2) Location application for emergency services (LAES)

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	4500-4800	**4500-4800**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military for fixed and mobile systems
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.441	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.441 (4)	FSS earth stations		
	MOBIELE COMMUNICATIE 5.440A	MOBIELE COMMUNICATIE (4)	PMSE	EN 302 064	Mobile applications for coordinated SAB/SAP applications for occasional use
			Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			UWB applications	EN 302 065	Generic UWB Location tracking type 2 (LT2) Location application for emergency services (LAES)

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
4800-5570 MHz	**4800-4990**	**4800-4990**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military for fixed and mobile systems
	MOBIELE COMMUNICATIE 5.440A 5.442	MOBIELE COMMUNICATIE (4)	PMSE	EN 302 064	Mobile applications for coordinated SAB/SAP applications for occasional use
	Radio-astronomie 5.149 5.339 5.443	Radio-astronomie (4)	Passive sensors (satellite)		Space research and EESS (passive) above 4950 MHz in some countries
			Radio astronomy		Continuum and spectral line observations
			Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			BBDR	EN 302 625	Within the band 4940-4990MHz. Optional band for BBDR within the PPDR band

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	4990-5000	**4990-5000**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		Harmonised military for fixed and mobile systems
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	PMSE		Mobile applications for coordinated SAB/SAP applications for occasional use
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line observations
	Ruimte-onderzoek (passief) 5.149	Ruimte-onderzoek (passief) (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
	5000-5010	**5000-5010**			
	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (R) 5.443AA	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (3)	Galileo		For future use by Galileo
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)	Radio astronomy		Continuum and spectral line observations
	RADIONAVIGATIE MET SATELLIETEN (aarde naar ruimte)	RADIONAVIGATIE MET SATELLIETEN (aarde naar ruimte) (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Satellite navigation system		Aeronautical Radionavigation and FSS envisaged in some countries

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5010-5030	**5010-5030**			
	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (R) 5.443AA	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (3)	Galileo		C1
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)	Radio astronomy		Continumm observation
	RADIONAVIGATIE MET SATELLIETEN (ruimte naar aarde) (ruimte naar ruimte) 5.328B 5.443B	RADIONAVIGATIE MET SATELLIETEN (ruimte naar ruimte) (ruimte naar ruimte) (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Satellite navigation system		Aeronautical Radionavigation and FSS envisaged in some countries
	5030-5091	**5030-5091**			
	LUCHTVAART MOBIELE COMMUNICATIE (R) 5.443C	LUCHTVAART MOBIELE COMMUNICATIE (R) (4)	MLS		Aeronauticl radionavigation envisaged in some countirws FSS in use in some countries
	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (R) 5.443D	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
	LUCHTVAART RADIONAVIGATIE 5.444	LUCHTVAART RADIONAVIGATIE(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5091-5150	**5091-5150**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)			
	LUCHTVAART MOBIELE COMMUNICATIE 5.444B	LUCHTVAART MOBIELE COMMUNICATIE (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (R) 5.443AA 5.444 5.444A	LUCHTVAART MOBIELE SATELLIET VERBINDINGEN (4)			
	5150-5250	**5150-5250**			
	LUCHTVAART RADIONAVIGATIE	LUCHTVAART RADIONAVIGATIE (4)	Aeronautical telemetry		
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.447A	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Feeder links		Feeder links for MSS. Aeronautical radionavigation envisaged in some countries
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.446B 5.446 5.446C 5.447 5.447B 5.447C	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.446B (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			BBDR	EN 302 625	Temporary use by PPDR users

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5250-5255	**5250-5255**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (1)	Defense systems		Tactical and weapon system radars
	RUIMTE-ONDERZOEK 5.447D	RUIMTE-ONDERZOEK (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.447F 5.447E 5.448 5.448A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5255-5350	**5255-5350**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (1)	Defense systems		Tactical and weapon system radars
	RUIMTE-ONDERZOEK (actief)	RUIMTE-ONDERZOEK (actief) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.447F	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5350-5460	**5350-5460**			
	AARDE- EN ATMOSFEERONDERZOEK (actief) 5.448B	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RUIMTE-ONDERZOEK (actief) 5.448C	RUIMTE-ONDERZOEK (actief) (4)	Defense systems		Tactical and weapon system radars
	LUCHTVAART RADIONAVIGATIE 5.449	LUCHTVAART RADIONAVIGATIE (4)			
	RADIOPLAATSBEPALING 5.448D	RADIOPLAATSBEPALING (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5460-5470	**5460-5470**			
	RADIONAVIGATIE 5.449	RADIONAVIGATIE (4)	Active sensors (satellite)		
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Defense systems		Tactical and weapon system radars
	RUIMTEONDERZOEK (actief)	RUIMTEONDERZOEK (actief) (4)			
	RADIOPLAATSBEPALING 5.448D 5.448B	RADIOPLAATSBEPALING(4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5470-5570	**5470-5570**			
	MARITIEME RADIONAVIGATIE	MARITIEME RADIONAVIGATIE (3)	Active sensors (satellite)		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.450A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (3)	Defense systems		Tactical and weapon system radars
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)			
	RUIMTEONDERZOEK (actief)	RUIMTEONDERZOEK (actief) (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
	RADIOPLAATSBEPALING 5.450B	RADIOPLAATSBEPALING (4)	Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
	5.448B 5.450 5.451		Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
5570-7250 MHz	**5570-5650**	**5570-5650**			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.450A RADIOPLAATSBEPALING 5.450B	MOBIELE COMMUNICATIE m.u.v. luchtvaart RADIOPLAATSBEPALING (3)	Defense systems		
	MARITIEME RADIONAVIGATIE 5.450 5.451 5.452	MARITIEME RADIONAVIGATIE (3)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5650-5725	**5650-5725**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur	EN 301 783	Within the band 5660-5670 MHz
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.446A 5.450A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Amateur Satellite		Within the band 5660-5670 MHz
	Amateur	Amateur (4)	Defense systems		Tactical and weapon system radar
	Ruimte-onderzoek (verre ruimte) 5.282 5.451 5.453 5.454 5.455	Ruimte-onderzoek (verre ruimte) (4)	Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Maritime radar		Shipborne and VTS radar
			Radio LAN's	EN 301 893	WAS/RLAN within the bands 5150-5350 MHz and 5470-5725 MHz
			Weather radars		Ground based and airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5725-5830	**5725-5830**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur	EN 301 783	
	Amateur	Amateur (4)	BFWA	EN 302 502	Within the band 5725-5875 MHz
	5.150 5.453 5.455		Defense systems		Tactical and weapon systems radar
			ISM		Within the band 5725-5875 MHz
			Non specific SRD's	EN 300 440	Within the band 5725-5875 MHz
			Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			RTTT	EN 300 674	Within the band 5795-5805MHz
			Weather radars		Ground based an airborne

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5830-5850	**5830-5850**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur satellite		Within the band 5830-5850 MHz
	Amateur	Amateur (4)	BFWA	EN 302 502	Within the band 5725-5875 MHz
	Amateursatelliet (ruimte naar aarde)	Amateursatelliet (ruimte naar aarde) (4)	Defense systems		Tactical and weapon system radar
	5.150 5.453 5.455		ISM		Within the band 5725-5875 MHz
			Non Specific SRD's	EN 300 440	Within the band 5725-5875 MHz
			Radio determination applications	EN 302 372	Within the band 4500-4700MHz
			Weather radars		Ground based an airborne
	5850-5925	**5850-5925**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	BFWA	EN 302 502	Within the band 5725-5875 MHz
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations`	EN 301 443	Priority for civil networks
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	ISM		Within the band 5725-5875 MHz
	Amateur	Amateur(4)	ITS	EN 302 571	Within the bands 5875-5925 MHz and 5855-5875MHz
	Radioplaatsbepaling 5.150	Radioplaatsbepaling (4)	Non specific SRD's	EN 300 440	Within the band 5725-5875 MHz
			Radiodetermination applications	EN 302 372	Within the band 4500-4700MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	5925-6700	**5925-6700**			
	VASTE VERBINDINGEN 5.457	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	Point-to-point
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.457A 5.457B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations	EN 301 433	Priority for civil networks
	MOBIELE COMMUNICATIE 5.457C 5.149 5.440 5.458	MOBIELE COMMUNICATIE (4)	Passive sensors (satellite)		For sea surface temperature, sea surface wind speed and soil measurements
			Radiodetermination applications	EN 302 372	Within the band 4500-4700MHz Within the band 6000-8500 MHz
			UWB applications	EN 302 056 EN 302 500	Generic UWB
			Radio astronomy		Spectral line observations

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	6700-7075	**6700-7075**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Feeder links		Feeder links for MSS within the band 6925-7075 MHz
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed links	EN 302 217	Point to point
	(ruimte naar aarde) 5.441	(ruimte naar aarde)	FSS earth stations	EN 301 443	Within the band 6725-7025 MHz priority for civil networks
	MOBIELE COMMUNICATIE 5.458 5.458A 5.458B 5.458C	MOBIELE COMMUNICATIE (4)	Passive sensors (satellite)		For sea surface temperature, sea surface wind speed and soil measurements
			Radiodetermination applications	EN 302 372 EN 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
			UWB applications	EN 302 065 EN 302 500	Generic UWB

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	7075-7145	**7075-7145**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	Point-to-point
	MOBIELE COMMUNICATIE 5.458 5.459	MOBIELE COMMUNICATIE (4)	Radiodetermination applications	EN 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
			UWB applications	EN 302 065 EN 302 500	Generic UWB
			Passive sensors (satellite)		For sea surface temperature, sea surface wind speed and soil measurements
	7145-7235	**7145-7235**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	Point-to-point
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Passive sensors (satellite)		For sea surface temperature, sea surface wind speed and soil measurements
	RUIMTE-ONDERZOEK (aarde naar ruimte) 5.460 5.458 5.459	RUIMTE-ONDERZOEK (aarde naar ruimte) (4)	UWB applications	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	EN 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	7235-7250	**7235-7250**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	Point-to-point
	MOBIELE COMMUNICATIE 5.458	MOBIELE COMMUNICATIE (4)	Passive sensors (satellite)		For sea surface temperature, sea surface wind speed and soil measurements
			UWB applications	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	EN 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
7250-8500 MHz	**7250-7300**	**7250-7300**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Defense systems		Harmonised military band for satellite operations
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	EN 302 217	Point- to- point
	MOBIELE COMMUNICATIE 5.461	MOBIELE COMMUNICATIE (4)	MSS earth stations		Mobile satellite applications within the band 7250-7375 MHz
			Radiodetermination applications	En 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
			UWB	EN 302 065 EN 302 500	Generic UWB

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	7300-7450	**7300-7450**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Defense systems		Harmonised military band for satellite operations
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	EN 302 217	Point- to- point
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.461	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	MSS earth stations		Mobile satellite applications within the band 7250-7375 MHz
			Radiodetermination applications	En 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
			UWB	EN 302 065 EN 302 500	Generic UWB
	7450-7550	**7450-7550**			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (1)	Defense systems		Harmonised military band for satellite operations
	METEOROLOGISCHE SATELLIETWAARNEMINGEN	METEOROLOGISCHE SATELLIETWAARNEMINGEN (4)	Fixed	EN 302 217	Point- to- point
	(ruimte naar aarde)	(ruimte naar aarde) (4)	Weather satellites		Limited to geostationary systems
	MOBIELE COMMUNICATIE m.u.v. luchtvaart 5.461A	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Radiodetermination applications	En 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
			UWB	EN 302 065 EN 302 500	Generic UWB

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	7550-7750	**7550-7750**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Defense systems		Harmonised military band for satellite operations
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	EN 302 217	Point- to- point
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz
	7750-7900	**7750-7900**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Defense systems		Harmonised military band for satellite operations
	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) 5.461B	METEOROLOGISCHE SATELLIETWAARNEMINGEN (ruimte naar aarde) (4)	Fixed	EN 302 217	
			Weather satellites		Limited to geostationary systems
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 4500-4700MHz Within the band 6000-8500 MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	7900-8025	**7900-8025**			
			Defense systems		Harmonised military band for satellite operations
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed links	EN 302 217	Point- to- point
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	MSS earth stations		Mobile satellite applications
	MOBIELE COMMUNICATIE 5.461	MOBIELE COMMUNICATIE(4)	UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 6000-8500 MHz
	8025-8175	**8025-8175**			
	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde)	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde) (4)	Defense systems		Harmonised military band for satellite operations
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(1)	Earth exploration satellite		Satellite payload telemetry
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed	EN 302 217	Point- to- point
	MOBIELE COMMUNICATIE 5.463	MOBIELE COMMUNICATIE	Landmobile		Mobile applications within the band 8025-8200MHz
		(4)	UWB	EN 302 065 EN 302 500	Generic UWB
	5.462A		Radiodetermination applications	En 302 729	Within the band 6000-8500 MHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	8175-8215	**8175-8215**			
	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde)	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde) (4)	Defense systems		Harmonised military band for satellite operations
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Earth exploration satellite		Satellite payload telemetry
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed	EN 302 217	Point- to- point
	METEOROLOGISCHE SATELLIETWAARNEMINGEN	METEOROLOGISCHE SATELLIETWAARNEMINGEN (4)	Landmobile		Mobile applications within the band 8025-8200MHz
	(aarde naar ruimte)	(aarde naar ruimte) (4)	UWB	EN 302 065 EN 302 500	Generic UWB
	MOBIELE COMMUNICATIE 5.463 5.462A	MOBIELE COMMUNICATIE (4)	Radiodetermination applications	En 302 729	Within the band 6000-8500 MHz
	8215-8400	**8215-8400**			
	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde)	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde) (4)	Defense systems		Harmonised military band for satellite operations
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Earth exploration satellite		Satellite payload telemetry
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed	EN 302 217	Point- to- point

	MOBIELE COMMUNICATIE 5.463 5.462A (4)	MOBIELE COMMUNICATIE	Landmobile		Mobile applications within the band 8025-8200MHz
			UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 6000-8500 MHz
	8400-8500	**8400-8500**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	Point- to- point
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Space research		Satellite payload telemetry. The band 8400-8450 MHz is limited to deep space applications. Continuum observations
	RUIMTE-ONDERZOEK (ruimte naar aarde) 5.465 5.466	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)	UWB	EN 302 065 EN 302 500	Generic UWB
			Radio determination applications	En 302 729	Within the band 6000-8500 MHz
8500-10000 MHz	**8500-8550**	**8500-8550**			
	RADIOPLAATSBEPALING 5.468 5.469	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
			Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
			UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 8.5-10.6GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	8550-8650	**8550-8650**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	RUIMTE-ONDERZOEK (actief) 5.468 5.469 5.469A	RUIMTE-ONDERZOEK (actief) (4)	Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
			UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 8.5-10.6GHz
	8650-8750	**8650-8750**			
	RADIOPLAATSBEPALING 5.468 5.469	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
			Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
			UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 8.5-10.6GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	8750-8850	**8750-8850**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	LUCHTVAART RADIONAVIGATIE 5.470 5.471	LUCHTVAART RADIONAVIGATIE (4)	Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
			UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 8.5-10.6GHz
	8850-9000	**8850-9000**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	MARITIEME RADIONAVIGATIE 5.472 5.473	MARITIEME RADIONAVIGATIE (3)	Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
			UWB	EN 302 065 EN 302 500	Generic UWB
			Radiodetermination applications	En 302 729	Within the band 8.5-10.6GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	9000-9200	**9000-9200**			
	LUCHTVAART RADIONAVIGATIE 5.337	LUCHTVAART RADIONAVIGATIE (3)	Aeronautical radionavigation		Civil and military
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
	5.471 5.473A		Radiodetermination applications	En 302 729	Within the band 8.5-10.6GHz
	9200-9300	**9200-9300**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	MARITIEME RADIONAVIGATIE 5.472	MARITIEME RADIONAVIGATIE (3)	Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
	5.473 5.474		Radiodetermination applications	En 302 729	Within the band 9200-9975MHz and within the band 8.5-10.6GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	9300-9500	**9300-9500**			
	RADIONAVIGATIE	RADIONAVIGATIE (4)	Aeronautical radionavigation		Civil and military
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Radio location (civil)	EN 302 194 EN 302 752 EN 303 213 EN 302 248	Shipborne, land and airborne surveillance
	RUIMTE-ONDERZOEK (actief)	RUIMTE-ONDERZOEK (actief) (4)	Defense systems	EN 302 194 EN 300 440 EN 303 213 EN 302 248	Shipborne, land and airborne surveillance and weapon
	RADIOPLAATSBEPALING 5.427 5.474 5.475 5.475A 5.475B 5.476A	RADIOPLAATSBEPALING (4)	Radiodetermination applications	EN 300 440 EN 302 372	Within the band 9200-9975MHz and within the band 8.5-10.6GHz
			Weather radars		Ground based and airborne
	9500-9800	**9500-9800**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	RADIONAVIGATIE	RADIONAVIGATIE (4)	Radio location (civil)		Shipborne, land and airborne surveillance
	RUIMTE-ONDERZOEK (actief) 5.476A	RUIMTE-ONDERZOEK (actief) (4)	Defense systems		Shipborne, land and airborne surveillance and weapon
			Radiodetermination applications	EN 300 440 EN 302 372	Within the band 9200-9975MHz and within the band 8.5-10.6GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	9800-9900	**9800-9900**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	Aarde- en atmosfeeronderzoek (actief)	Aarde- en atmosfeeronderzoek (actief) (4)	Radio location (civil)		Shipborne, land and airborne surveillance
	Ruimte-onderzoek (actief)	Ruimte-onderzoek (actief) (4)	Defense systems		Shipborne, land and airborne surveillance and weapon
	Vaste verbindingen 5.477 5.478 5.478A 5.478B	Vaste verbindingen (3)	Radiodetermination applications	EN 300 440 EN 302 372	Within the band 9200-9975MHz and within the band 8.5-10.6GHz
	9900-10000	**9900-10000**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Aeronautical radionavigation		Civil and military
	Vaste verbindingen	Vaste verbindingen (3)	Radio location (civil)		Shipborne, land and airborne surveillance
			Defense systems		Shipborne, land and airborne surveillance and weapon
	5.477 5.478 5.479		Radiodetermination applications	EN 300 440 EN 302 372	Within the band 9200-9975MHz and within the band 8.5-10.6GHz
10-11.7 GHz	**10-10.45**	**10-10.45**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	Amateur 5.479 5.480	Amateur (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	10.45-10.5	**10.45-10.5**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur	EN 301 783	
	Amateur	Amateur (4)	Amateur Satellite		
	Amateur satelliet 5.481	Amateur satelliet (4)	Radiolocatiion civil		
			Defense systems		Civil and military
			Fixed	EN 302 217	
			Radiodetermination applications	EN 300 440 EN 302 372	Within the band 8.5-10.6GHz
			PMSE		SAP/SAB
	10.5-10.55	**10.5-10.55**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)	BFWA	EN 302 326	Including point-to-Multipoint
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Radiodetermination applications	EN 300 440 EN 302 372	Within the band 10.5-10.6 GHz and within the band 8.5-10.6GHz
			PMSE		SAP/SAB
	10.55-10.6	**10.55-10.6**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed	EN 302 217	
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (1)	BFWA	EN 302 326	Including point-to-Multipoint
	Radioplaatsbepaing	Radioplaatsbepaing (4)	Radiodetermination applications	EN 300 440 EN 302 372	Within the band 10.5-10.6 GHz and within the band 8.5-10.6GHz
			PMSE		SAP/SAB

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	10.6-10.68	**10.6-10.68**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (4) (passief)	Fixed	EN 302 217	
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	BFWA	EN 302 326	Including point-to-Multipoint
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Passive sensors (satellite)		Surface sensitivity and precipitation measurements
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Radio astronomy		Continuum observations
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)	SAP/SAB		
	Radio plaatsbepaling 5.149 5.482 5.482A	Radioplaatsbepaling (4)	PMSE		SAP/SAB
	10.68-10.7	**10.68-10.7**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Surface sensitivity and precipitation measurements
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum observations
	RUIMTE-ONDERZOEK (passief) 5.340 5.483	RUIMTE-ONDERZOEK (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	10.7-11.7	**10.7-11.7**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Aircaraft earth stations (AES)		
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.441 5.484A	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	EN 302 217	Limited to high capacity fixed links
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	FSS earth stations	EN 301 427 EN 301 428 EN 301 430 EN 301 360 EN 301 459 EN 302 340 EN 302 448	Within the band 10.7-10.95/ 11.2-11.45 GHz in accordance with App 30B of RR SIT/SUIT-EUTELRACS_VSAT
			HEST	EN 301 428	
				EN 301 459	
			LEST	EN 301 428	
				EN 301 459	
				EN 302 977	
11.7-14 GHz	**11.7-12.1**	**11.7-12.1**			
	VASTE VERBINDINGEN 5.486	VASTE VERBINDINGEN (4)	Broadcasting satellite	EN 301 459 EN 301 360 EN 302 340 EN 302 448	In accordance with app 30 of RR SIT within the band 12.4-12.5GHz
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.484A 5.488	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	HEST		
	Mobiele communicatie m.u.v. luchtvaart 5.485	Mobiele communicatie m.u.v. luchtvaart (4)	LEST	EN 302 977	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	12.1-12.2	**12.1-12.2**			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.484A 5.488 5.485 5.489	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	12.2-12.7	**12.2-12.7**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	OMROEP	OMROEP (2)			
	OMROEPSATELLIET 5.492 5.487A 5.488 5.490	OMROEPSATELLIET (2)			
	12.7-12.75	**12.7-12.75**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	12.75-13.25	**12.75-13.25**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed links	EN 302 217	
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.441	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS	EN 301 430	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	Ruimte-onderzoek (verre ruimte) (ruimte naar aarde)	Ruimte-onderzoek (verre ruimte) (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	13.25-13.4	**13.25-13.4**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	active sensors (satellite)		Altimeters, scatterometers precipitation radars
	LUCHTVAART RADIONAVIGATIE 5.497	LUCHTVAART RADIONAVIGATIE (4)	Airborne Doppler navigation aids		
	RUIMTE-ONDERZOEK (actief) 5.498A 5.499	RUIMTE-ONDERZOEK (actief) (4)	Maritime radar		Ship berthing radars
	13.4-13.75	**13.4-13.75**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active senors (satellite)		Altimeters, scatterometers precipitation radars
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			Data relay satellite
	RUIMTE-ONDERZOEK 5.501A	RUIMTE-ONDERZOEK (4)	Defense systems		Military radars
	Standaard frequentie en tijdsignaal vanuit satellieten (aarde naar ruimte) 5.499 5.500 5.501 5.501B	Standaard frequentie en tijdsignaal vanuit satellieten (aarde naar ruimte) (4)	Airborne Doppler navigation aids		
			Radiodetermination applications	EN 300 440	Within the band 13.4-14.0 GHz
			Maritime radar		Ship berthing radars

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	13.75-14	**13.75-14**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.484A	VASTE SATELLIETVERBINDINGEN(4) (aarde naar ruimte)			Data relay satellite
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Defense systems		Military radars
	Aarde- en atmosfeeronderzoek	Aarde- en atmosfeeronderzoek	FSS earth stations	EN 301 430	
	Standaard frequentie en tijdsignaal vanuit satellieten	Standaard frequentie en (4)tijdsignaal vanuit satellieten	Maritime radar		Navigation radars, ship berthing radars
	(aarde naar ruimte)	(aarde naar ruimte) (4)	Passive sensors (satellite)		Future VLBI measurements
	Ruimte-onderzoek 5.499 5.500 5.501 5.502 5.503	Ruimte-onderzoek(4)	Radiodeterminatio n applications	EN 300 440	Within the band 13.4-14.0GHz
14-15.4 GHz	**14-14.25**	**14-14.25**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.457A 5.457B 5.484A 5.506 5.506B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Aircraft earth station AES	EN 302 186	
			Earth stations on board Vessels ESV	EN 302 340	
	RADIONAVIGATIE 5.504	RADIONAVIGATIE(4)	EST	EN 302 448	
	Mobiele satellietverbindingen (aarde naar ruimte) 5.504B 5.504C 5.506A	Mobiele satellietverbindingen (aarde naar ruimte) (4)	HEST	EN 301 428	
	Ruimte-onderzoek	Ruimte-onderzoek(4)	LEST	EN 301 428	
			MSS Earth stations	EN 301 427 EN 302 977	Priority for civil networks
	5.504A 5.505		VSAT/SNG	EN 301 430	Low density carriers, including VSATS abd digital SNG are encouraged to use in this band

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	14.25-14.3	**14.25-14.3**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.457A 5.457B 5.484A 5.506 5.506B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Aircraft earth station	EN 302 186	
	RADIONAVIGATIE 5.504	RADIONAVIGATIE (4)	Earth stations on board Vessels	EN 302 340	
	Mobiele satellietverbindingen (aarde naar ruimte) 5.504B 5.506A 5.508A	Mobiele satellietverbindingen (aarde naar ruimte) (4)	MSS earth stations	EN 302 977 EN 301 427	Priority for civil networks
	Ruimte-onderzoek 5.504A 5.505 5.508 5.509	Ruimte-onderzoek(4)	VSAT/SNG	EN 301 430 EN 301 428	SNG
	14.3-14.4	**14.3-14.4**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.457A 5.484A 5.506 5.506B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Aircraft earth station	EN 302 186	
	Mobiele satellietverbindingen (aarde naar ruimte) 5.506A	Mobiele satellietverbindingen (aarde naar ruimte) (4)	Earth stations on board Vessels	EN 302 340	
	Radionavigatie met satellieten 5.504A	Radionavigatie met satellieten (4)	FSS earth stations	EN 302 340	
			MSS earth stations	EN 301 427	Priority for civil networks
			VSAT/SNG	EN 301 430 EN 301 428	SNG

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	14.4-14.47	**14.4-14.47**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Aircraft earth station	EN 302 186	
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.457A 5.457B 5.484A 5.506 5.506B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Earth stations on board Vessels	EN 302 340	
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	FSS earth stations	EN 302 340	
	Mobiele satellietverbindingen (aarde naar ruimte) 5.504B 5.506A 5.509A	Mobiele satellietverbindingen (aarde naar ruimte) (4)	MSS earth stations	EN 301 427	Priority for civil networks
	Ruimte-onderzoek (ruimte naar aarde) 5.504A	Ruimte-onderzoek (ruimte naar aarde) (4)	VSAT/SNG	EN 301 430 EN 301 428	SNG
	14.47-14.5	**14.47-14.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Aircraft earth station	EN 302 186	
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.457A 5.457B 5.484A 5.506 5.506B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Earth stations on board Vessels	EN 302 340	
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart(4)	FSS earth stations	EN 302 340	
	Mobiele satellietverbindingen (aarde naar ruimte) 5.504B5.506A 5.509A	Mobiele satellietverbindingen (aarde naar ruimte) (4)	MSS earth stations	EN 301 427	Priority for civil networks
	Radio-astronomie 5.149 5.504A	Radio-astronomie(4)	Radio astronomy		Spectral line observations
			VSAT/SNG	EN 301 430 EN 301 428	SNG

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	14.5-14.8	**14.5-14.8**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		The band 14.62-15.23 GHz is a harmonized military band for fixed and mobile services
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.510	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed links	EN 302 217	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)			
	Ruimte-onderzoek	Ruimte-onderzoek (4)	Radio astronomy		
	14.8-15.35	**14.8-15.35**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (3)	Defense systems		The band 14.62-15.23 GHz is a harmonized military band for fixed and mobile services
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (1)	Fixed links	EN 302 217	
	Ruimte-onderzoek 5.339	Ruimte-onderzoek (4)	Radio astronomy		
	15.35-15.4	**15.35-15.4**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		
	RUIMTE-ONDERZOEK (passief) 5.340 5.511	RUIMTE-ONDERZOEK (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
15.4-18.4 GHz	**15.4-15.43**	**15.4-15.43**			
	LUCHTVAART RADIONAVIGATIE 5.511D	LUCHTVAART RADIONAVIGATIE(4)	Airborne Doppler navigaition aids		Doppler radar low power sensing
	RADIOPLAATSBEPALING 5.511E 5.511F	RADIOPLAATSBEPALING(4)	Radiolocation (civil)		Ground movement radars
	15.43-15.63	**15.43-15.63**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.511A	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS Earth stations		MSS feeder link
	LUCHTVAART RADIONAVIGATIE 5.511C	LUCHTVAART RADIONAVIGATIE (4)	Airborne Doppler navigaition aids		Doppler radar low power sensing
	RADIOPLAATSBEPALING 5.511E 5.511F	RADIOPLAATSBEPALING (4)	Radiolocation (civil)		Ground movement radars
	15.63-15.7	**15.63-15.7**			
	LUCHTVAART RADIONAVIGATIE 5.511D	LUCHTVAART RADIONAVIGATIE (4)	Airborne Doppler navigaition aids		Doppler radar low power sensing
	RADIOPLAATSBEPALING 5.511E 5.511F	RADIOPLAATSBEPALING(4)	Radiolocation (civil)		Ground movement radars
	15.7-16.6	**15.7-16.6**			
	RADIOPLAATSBEPALING 5.512 5.513	RADIOPLAATSBEPALING(4)	Defense systems		Harmonies military band for land, airborne and naval radars

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	16.6-17.1	**16.6-17.1**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (3)	Defense systems		Harmonies military band for land, airborne and naval radars
	Ruimte-onderzoek (verre ruimte) (aarde naar ruimte) 5.512 5.513	Ruimte-onderzoek (verre ruimte) (aarde naar ruimte) (4)			
	17.1-17.2	**17.1-17.2**			
	RADIOPLAATSBEPALING 5.512 5.513	RADIOPLAATSBEPALING (3)	Defense systems		Military radar applications
	17.2-17.3	**17.2-17.3**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (3)	Defense systems		Military radar applications
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (3)			
	RUIMTE-ONDERZOEK (actief) 5.512 5.513 5.513A	RUIMTE-ONDERZOEK (actief) (3)			
	17.3-17.7	**17.3-17.7**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.516	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.516 (4)	FSS earth stations		High density FSS
	OMROEPSATELLIET	OMROEPSATELLIET (4)	Feeder links		Feedr links for the BSS service
	Radioplaatsbepaling 5.514 5.515	Radioplaatsbepaling(4)	Defense systems		Military radar applications
			ESOMP's	EN 303 978	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	17.7-17.8	**17.7-17.8**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.517 (aarde naar ruimte) 5.516	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (aarde naar ruimte) (4)			
	OMROEPSATELLIET	OMROEPSATELLIET (2)			
	Mobiele communicatie 5.515	Mobiele communicatie (4)			
	17.8-18.1	**17.8-18.1**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.484A (aarde naar ruimte) 5.516	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE 5.519	MOBIELE COMMUNICATIE(4)			
	18.1-18.4	**18.1-18.4**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.484A 5.516B (aarde naar ruimte) 5.520	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE 5.519 5.521	MOBIELE COMMUNICATIE(4)			
18.4-22 GHz	**18.4-18.6**	**18.4-18.6**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed links	EN 302 217	
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.484A 5.516B	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	FSS earth stations	EN 301 360 EN 301 459	To coordinated earth stations Priority to civil networks
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)		EN 303 978	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	18.6-18.8	**18.6-18.8**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed links	EN 302 217	
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	FSS earth stations	EN 301 360 EN 301 459	To coordinated earth stations Priority to civil networks
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	ESOMP's	EN 303 978	
	5.516B 5.522B MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart(4)	Passive sensors (satellite)		
	RUIMTE-ONDERZOEK (passief) 5.522A	RUIMTE-ONDERZOEK (passief) (4)			
	18.8-19.3	**18.8-19.3**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed links	EN 302 217	
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.516B 5.523A	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	FSS earth stations	EN 301 360 EN 301 459	To coordinated earth stations Priority to civil networks
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	ESOMP's	EN 303 978	
	19.3-19.7	**19.3-19.7**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (1)	Fixed links	EN 302 217	
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (aarde naar ruimte) 5.523B 5.523C 5.523D 5.523E	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (aarde naar ruimte) (4)	FSS earth stations	EN 301 360 EN 301 459	To coordinated earth stations Priority to civil networks
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	ESOMP's	EN 303 978	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	19.7-20.1	**19.7-20.1**			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.484A 5.516B	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MSS earth stations	EN 301 360 EN 301 459	For uncoordinated Earth stations SUT
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.524 5.525 5.526 5.527 5.528 5.529	MOBIELE SATELLIETVERBINDINGE(4)N (ruimte naar aarde)	ESOMP's	EN 303 978	
			HEST	EN 301 360 EN 301 459	
			FSS earth stations		High density FSS
			LEST	EN 301 360 EN 301 459	
	20.1-20.2	**20.1-20.2**			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MSS earth stations	EN 301 360 EN 301 459	For uncoordinated Earth stations SUT
	5.484A 5.516B MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.524 5.525 5.526 5.527 5.528	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	ESOMP's	EN 303 978	
			HEST	EN 301 360 EN 301 459	
			FSS earth stations		High density FSS
			LEST		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	20.2-21.2	**20.2-21.2**			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MSS earth stations	EN 301 360 EN 301 459	For uncoordinated Earth stations SUT
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde)	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	Standaard frequentie en tijdsignaal vanuit satellieten (ruimte naar aarde) 5.524	Standaard frequentie en tijdsignaal vanuit satellieten (ruimte naar aarde) (4)			
	21.2-21.4	**21.2-21.4**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	PMSE		Unidirectional temporary fixed or mobile links
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)			
	21.4-22	**21.4-22**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Broadcasting satellite	EN 301 360 EN 301 459	
	MOBIELE COMMUNICATIE 5.530A 5.530C	MOBIELE COMMUNICATIE (4)	SRR	EN 302 288	
			PMSE		Wideband high definition television

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
22-24.75 GHz	**22-22.21**	**22-22.21**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Fixed	EN 302 217	
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart(4)	Radio astronomy		Continuum and spectral line observations
	5.149		PMSE		SAP/SAB
			SRR	EN 302 288	
	22.21-22.5	**22.21-22.5**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed	EN 302 217	
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Passive sensors (satellite)		
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart(4)	Radio astronomy		Continuum and spectral line observations
	RADIO-ASTRONOMIE RUIMTE-ONDERZOEK (passief) 5.149 5.532	RADIO-ASTRONOMIE RUIMTE-ONDERZOEK (passief) (4)	PMSE		SAP/SAB
			SRR	EN 302 288	
	22.5-22.55	**22.5-22.55**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Fixed links	EN 302 217	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	Radio astronomy		Continuum and spectral line observations
			SAP/SAB		
			SRR	EN 302 288	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	22.55-23.15	**22.55-23.15**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Fixed	EN 302 217	
	INTER SATELLIETVERBINDINGEN 5.338A	INTER SATELLIETVERBINDINGEN 5.338A(4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMSE		SAP/SAB
	RUIMTE ONDERZOEK (aarde naar ruimte) 5.532A 5.149	RUIMTE ONDERZOEK (aarde naar ruimte) (4)	SRR	EN 302 288	
	23.15-23.55	**23.15-23.55**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Fixed	EN 302 217	
	INTER SATELLIETVERBINDINGEN 5.338A	INTER SATELLIETVERBINDINGEN (4)	PMSE		SAP/SAB
	MOBIELE COMMUNICATIE 5.149	MOBIELE COMMUNICATIE(4)	SRR	EN 302 288	
	23.55-23.6	**23.55-23.6**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Fixed	EN 302 217	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMSE		SAP/SAB
			SRR	EN 302 288	
	23.6-24	**23.6-24**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Measurements of water vapour, liquid water, clouds for atmospheric sounding
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)	SRR	EN 302 288	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	24-24.05	**24-24.05**			
	AMATEUR	AMATEUR(4)	Amateur	EN 301 783	
	AMATEUR SATELLIET 5.150	AMATEUR SATELLIET(4)	Amateur Satellite		
			ISM		Within the band 24-24.25GHz
			Non specific SRDs	EN 300 440	Within the band 24-24.25GHz
			PMSE SRR		SAP/SAB EN 302 288
	24.05-24.25	**24.05-24.25**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING(4)	Active sensors (satellite)		Rain radars for satellite
	Amateur	Amateur (4)	Amateur	EN 301 783	
	Aarde- en atmosfeeronderzoek (actief) 5.150	Aarde- en atmosfeeronderzoek (actief) (4)	Defense systems		
			ISM		Within the band 24-24.25GHz
			Non specific SRDs	EN 300 440	Within the band 24-24.25GHz
			Radiodetermination applications	EN 300 440 EN 302 729	Within the band 24.05-27.00 GHz for TLPR applications includes narrow band SRR Within the band 24.05-26.5GHz for LPR applications

			SRR RTT		EN 302 888 EN 302858
	24.25-24.45	**24.25-24.45**			
	RADIONAVIGATIE	RADIONAVIGATIE (4)			
	24.45-24.65	**24.45-24.65**			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN(4)			
	RADIONAVIGATIE 5.533	RADIONAVIGATIE(4)			
	24.65-24.75	**24.65-24.75**			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)			
	RADIOPLAATSBEPALING MET SATELLIETEN (aarde naar ruimte)	RADIOPLAATSBEPALING MET SATELLIETEN (aarde naar ruimte) (4)			
24.75-29.9 GHz	**24.75-25.25**	**24.75-25.25**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.535	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed links	EN 302 217	
			BFWA	EN 302 326	
			Radiodetermination applications	EN 302 372	
			SRR	EN 302 729	
				EN 302 288	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	25.25-25.5	**25.25-25.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Fixed	EN 302 217	
	INTER SATELLIETVERBINDINGEN 5.536	INTER SATELLIETVERBINDINGEN(4)	BFWA	EN 302 326	CRS paired with 25.5-26.5GHz for FDD systems
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	Radiodetermination applications	EN 302 372 EN 302 729	Within the band 24.05-27.00 GHz for TLPR applications. Within the band 25.05-26.5GHz or LPR applications
	Standaard frequentie en tijdsignaal vanuit satellieten (aarde naar ruimte)	Standaard frequentie en tijdsignaal vanuit satellieten (aarde naar ruimte) (4)	SRR	EN 302 288	
	25.5-27	**25.5-27**			
	AARDE- EN ATMOSFEERONDERZOEK (ruimte naar aarde) 5.536B	AARDE- EN ATMOSFEERONDERZOEK (ruimte (4)naar aarde) (4)	Fixed links	EN 302 217	
			BFWA	EN 302 326	TS should be paired with 24.5-25.5GHz for FDD system
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Radiodetermination applications	EN 302 372	Within the band 24.05-27.00 GHz for TLPR applications. Within the band 25.05-26.5GHz or LPR applications

	INTER SATELLIETVERBINDINGEN 5.536	INTER SATELLIETVERBINDINGEN(4)		EN 302 729	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	SRR	EN 302 288	
	RUIMTE-ONDERZOEK (ruimte naar aarde) 5.536C	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)	Space research		
	Standaard frequentie en tijdsignaal vanuit satellieten (aarde naar ruimte) 5.536A	Standaard frequentie en tijdsignaal vanuit satellieten (aarde naar ruimte) (4)			
	27-27.5	**27-27.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Defense systems		Harmonised military band for fixed and mobile systems
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	INTER SATELLIETVERBINDINGEN 5.536 5.537	INTER SATELLIETVERBINDINGEN(4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	27.5-28.5	**27.5-28.5**			
	VASTE VERBINDINGEN 5.537A	VASTE VERBINDINGEN(4)	Feeder links		Feeder links to be used for broadcasting satellites (HDTV) 27.5-29.5GHz
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.484A 5.516B 5.539	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	ESOMP's	EN 303 978	
			Fixed	EN 301 360	For frequency arrangement between FS and FSS

	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	FSS earth stations	EN 301 360	The earth to space direction for uncoordinated Earth stations within the band 27.5-27.8285GHz. The space to earth direction is limited to beacons for uplink power control 27.5-27.501GHz
	5.538 5.540		BFWA	EN 302 326	CRS paired with 28.5-29.5GHz for FDD systems. The earth to space direction for uncoordinated Earth stations within the band 27.5-27.8285 GHz. The space to earth direction is limited to beacons for uplink power control 27.5-27.501GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	28.5-29.1	**28.5-29.1**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Feeder links		Feeder links to be used for broadcasting satellites (HDTV) 27.5-29.5GHz
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed	EN 302 217	For frequency arrangement between FS and FSS
	5.484A 5.516B 5.523A 5.539	5.484A 5.516B 5.523A 5.539(4)	FSS	EN 301 360	Uncoordinated Earth stations within the band 28.4445-28.8365 GHz
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	ESOMP's	EN 303 978	
	Aarde- en atmosfeeronderzoek (aarde naar ruimte) 5.541 5.540	Aarde- en atmosfeeronderzoek (aarde naar ruimte) (4)	BFWA	EN 302 326	TS paired with 27.5-28.5GHz for FDD systems. Uncoordinated Earth stations within the band 28.4445-28.8365GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	29.1-29.5	**29.1-29.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Feeder links		Feeder links to be used for broadcasting satellites (HDTV) 27.5-29.5GHz
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.516B 5.523C 5.523E 5.535A 5.539 5.541A	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	ESOMP's	EN 303 978	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	Fixed	EN 302 217	Within the band 29.0605-29.4525 GHz
	Aarde- en atmosfeeronderzoek (aarde naar ruimte) 5.541 5.540	Aarde- en atmosfeeronderzoek (aarde naar ruimte) (4)	FSS earth stations	EN 301 360	Uncoordinated earth stations within the band 29.4525-29.5GHz
			BFWA	EN 302 326	TS paired with 27.5-28.5GHz for FDD systems. Uncoordinated earth stations within the band 29.4525-29.5GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	29.5-29.9	**29.5-29.9**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	HEST	EN 301 459	
	5.484A 5.516B 5.539		ESOMP's	EN 303 978	
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte)	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	SIT/SUIT	EN 301 459	High density FSS
	Aarde- en atmosfeeronderzoek (aarde naar ruimte) 5.541 5.525 5.526 5.527 5.529 5.540 5.542	Aarde- en atmosfeeronderzoek (aarde naar ruimte) (4)	LEST	EN 301 459	
			MSS earth stations	EN 301 459	
29.9-34.2 GHz	**29.9-30**	**29.9-30**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations		Limited to beacons for uplink power control 29.9999-30GHz
	5.484A 5.516B 5.539		ESOMP's	EN 303 978	
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte)	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	HEST	EN 301 459	
	Aarde- en atmosfeeronderzoek (aarde naar ruimte) 5.541 5.543 5.525 5.526 5.527 5.538 5.540 5.542	Aarde- en atmosfeeronderzoek (aarde naar ruimte) (4)	SIT/SUIT	EN 301 459	High density FSS
			LEST	EN 301 459	
			MSS earth stations	EN 301 459	

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	30-31	**30-31**			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.338A	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations		For uncoordinated earth stations harmonised military band for satellite uplinks
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte)	MOBIELE SATELLIETVERBINDINGEN (aarde (4)naar ruimte)	MSS earth stations		
	Standaard frequentie en tijdsignaal vanuit satellieten (ruimte naar aarde) 5.542	Standaard frequentie en tijdsignaal vanuit satellieten (ruimte naar aarde) (4)			
	31-31.3	**31-31.3**			
	VASTE VERBINDINGEN 5.338A 5.543A	VASTE VERBINDINGEN(4)	Fixed	EN 302 217 EN 302 326	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	Radio astronomy		Continuuum obeservations
	Standaard frequentie en tijdsignaal vanuit satellieten	Standaard frequentie en tijdsignaal vanuit satellieten(4)			
	(ruimte naar aarde) Ruimte-onderzoek 5.544 5.545 5.149	(ruimte naar aarde) Ruimte-onderzoek(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	31.3-31.5	**31.3-31.5**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Measurement of sea,ice, water,vapour, oil spills, liquid water,clouds surface temperature emissivity and atmospheric attenuation. Reference window for the 50-60GHz range
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum observations
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)	Surface temperature and emissivity, atmospheric attenuation		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	31.5-31.8	**31.5-31.8**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Passive sensors (satellite)		Measurement of sea,ice, water,vapour, oil spills, liquid water,clouds surface temperature emissivity and atmospheric attenuation. Reference window for the 50-60GHz range
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)	Radio astronomy		
	31.8-32	**31.8-32**			
	VASTE VERBINDINGEN 5.547A	VASTE VERBINDINGEN(4)	Fixed	EN 302 326 EN 302 217	Point to point and point to multipoint High density FS
	RADIONAVIGATIE	RADIONAVIGATIE(4)			
	RUIMTE-ONDERZOEK (verre ruimte) (ruimte naar aarde) 5.547 5.547B 5.548	RUIMTE-ONDERZOEK (verre ruimte) (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	32-32.3	**32-32.3**			
	VASTE VERBINDINGEN 5.547A	VASTE VERBINDINGEN (4)	Fixed	EN 302 326 EN 302 217	Point to point and point to multipoint High density FS
	RADIONAVIGATIE	RADIONAVIGATIE(4)			
	RUIMTE-ONDERZOEK (verre ruimte) (ruimte naar aarde) 5.547 5.547B 5.548	RUIMTE-ONDERZOEK (verre ruimte) (ruimte naar aarde) (4)			
	32.3-33	**32.3-33**			
	VASTE VERBINDINGEN 5.547A	VASTE VERBINDINGEN(4)	Fixed	EN 302 326 EN 302 217	Point to point and point to multipoint High density FS
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)			
	RADIONAVIGATIE 5.547 5.547D 5.548	RADIONAVIGATIE (4)			
	33-33.4	**33-33.4**			
	VASTE VERBINDINGEN 5.547A	VASTE VERBINDINGEN (4)	Fixed	EN 302 326 EN 302 217	Point to point and point to multipoint High density FS
	RADIONAVIGATIE 5.547 5.547E	RADIONAVIGATIE (4)			
	33.4-34.2	**33.4-34.2**			
	RADIOPLAATSBEPALING 5.549	RADIOPLAATSBEPALING(4)	Defence systems		Harmonised military band for radiolocation systems
			Radiodetermination applications		Surveying and measurement

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
34.2-40 GHz	**34.2-34.7**	**34.2-34.7**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Defence systems		Harmonised military band for radiolocation systems
	RUIMTE-ONDERZOEK (verre ruimte) (aarde naar ruimte) 5.549	RUIMTE-ONDERZOEK (verre ruimte) (aarde naar ruimte)	Radiodetermination applications		Surveying and measurement
	34.7-35.2	**34.7-35.2**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Defence systems		Harmonised military band for radiolocation systems
	Ruimte-onderzoek 5.550 5.549	Ruimte-onderzoek (4)	Radiodetermination applications		Surveying and measurement
	35.2-35.5	**35.2-35.5**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Active sensors (satellite)		Rain radar from satellites
	RADIOPLAATSBEPALING 5.549	RADIOPLAATSBEPALING (4)	Defence systems		Harmonised military band for radiolocation systems

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	35.5-36	**35.5-36**			
	METEOROLOGISCHE WAARNEMINGEN	METEOROLOGISCHE WAARNEMINGEN (4)	Active sensors (satellite)		
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Defence systems		Harmonised military band for radiolocation systems
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)			
	RUIMTE-ONDERZOEK (actief) 5.549 5.549A	RUIMTE-ONDERZOEK (actief) (4)			
	36-37	**36-37**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Defence systems		Harmonized military band for fixed and mobile systems
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Passive sensors		
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)	Radio astronomy		Spectral line observations (hydrogen cyanide and hydroxyl lines) 36.43-36.50 GHz
	RUIMTE-ONDERZOEK (passief) 5.149 5.550A	RUIMTE-ONDERZOEK (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	37-37.5	**37-37.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Defense systems		
	MOBIELE COMMUNICATIE m.u.v luchtvaart mobiel	MOBIELE COMMUNICATIE m.u.v luchtvaart mobiel(4)	High density fixed links	En 302 217	Major use by civil fixed services systems. High density fixed links
	RUIMTE-ONDERZOEK (ruimte naar aarde) 5.547	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)			
	37.5-38	**37.5-38**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Defense systems		Low and medium capacity fixed links
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	En 302 217	Major use by civil fixed service high density fixed links
	MOBIELE COMMUNICATIE m.u.v luchtvaart mobiel	MOBIELE COMMUNICATIE (4)	FSS earth stations		Uncoordinated earth stations shall not claim protection from the Fixed service
	RUIMTE-ONDERZOEK (ruimte naar aarde)	RUIMTE-ONDERZOEK (ruimte naar aarde) (4)			
	Aarde- en atmosfeeronderzoek (ruimte naar aarde) 5.547	Aarde- en atmosfeeronderzoek (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	38-39.5	**38-39.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Defense systems		Low and medium capacity fixed links
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	En 302 217	Major use by civil fixed service high density fixed links
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	FSS earth stations		Uncoordinated earth stations shall not claim protection from the Fixed service
	Aarde- en atmosfeeronderzoek (ruimte naar aarde) 5.547	Aarde- en atmosfeeronderzoek (ruimte naar aarde) (4)			
	39.5-40	**39.5-40**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	FSS earth stations		
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.516B	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde)	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	Aarde- en atmosfeeronderzoek (ruimte naar aarde) 5.547	Aarde- en atmosfeeronderzoek (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
40-47.5 GHz	**40-40.5**	**40-40.5**			
	AARDE- EN ATMOSFEERONDERZOEK (aarde naar ruimte)	AARDE- EN ATMOSFEERONDERZOEK (aarde naar ruimte) (4)	FSS earth stations		
	VASTE VERBINDINGEN	VASTE VERBINDINGEN			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.516B	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde)	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	RUIMTE-ONDERZOEK (aarde naar ruimte)	RUIMTE-ONDERZOEK (aarde naar ruimte) (4)			
	Aarde- en atmosfeeronderzoek (ruimte naar aarde)	Aarde- en atmosfeeronderzoek (ruimte naar aarde) (4)			
	40.5-41	**40.5-41**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	FSS earth stations		
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.516B	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MWS	EN 301 997 EN 302 217	Point to point and terrestrial multipoint systems
	OMROEP	OMROEP (4)	Fixed	EN 301 997 EN 302 217	Point to point and terrestrial multipoint systems
	OMROEPSATELLIET	OMROEPSATELLIET (4)			
	Mobiele communicatie	Mobiele communicatie (4)			
	Mobiele satellietverbindingen (ruimte naar aarde) 5.547	Mobiele satellietverbindingen (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	41-42.5	**41-42.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	FSS earth stations		
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) 5.516B	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	MWS	EN 301 997 EN 302 217	Point to point and terrestrial multipoint systems
	OMROEP	OMROEP (4)	Fixed	EN 301 997 EN 302 217	Point to point and terrestrial multipoint systems
	OMROEPSATELLIET	OMROEPSATELLIET			
	Mobiele communicatie 5.547 5.551F 5.551H 5.551I	Mobiele communicatie (4)			
	42.5-43.5	**42.5-43.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	MWS	EN 301 997 EN 302 217	Point to point and terrestrial multipoint systems
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.552	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed	EN 301 997 EN 302 217	Point to point and terrestrial multipoint systems
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	FSS earth stations		Priority to civil networks
	RADIO-ASTRONOMIE5.149 5.547	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line observations

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	43.5-47	**43.5-47**			
	MOBIELE COMMUNICATIE 5.553	MOBIELE COMMUNICATIE (4)	Defense systems		
	MOBIELE SATELLIETVERBINDINGEN	MOBIELE SATELLIETVERBINDINGEN (4)			
	RADIONAVIGATIE	RADIONAVIGATIE (4)			
	RADIONAVIGATIE MET SATELLIETEN	RADIONAVIGATIE MET SATELLIETEN (4)			
	5.554				
	47-47.2	**47-47.2**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 783	
	AMATEUR SATELLIET	AMATEUR SATELLIET (4)	Amateur Satellite		
	47.2-47.5	**47.2-47.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Feeder links		For 40GHz broadcasting satellites
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.552	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations		For fixed applications. Priority for civil networks
	MOBIELE COMMUNICATIE5.552A	MOBIELE COMMUNICATIE (4)	HAPS		
			PMSE		SAP/SAB

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
47.5-51.4 GHz	**47.5-47.9**	**47.5-47.9**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Feeder links		For 40GHz broadcasting satellites
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.552	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations		For fixed applications. Priority for civil networks
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	PMSE		SAP/SAB
	47.9-48.2	**47.9-48.2**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Feeder links		For 40GHz broadcasting satellites
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.552	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	FSS earth stations		For fixed applications. Priority for civil networks
	MOBIELE COMMUNICATIE 5.552A	MOBIELE COMMUNICATIE (4)	HAPS		
			PMSE		SAP/SAB
	48.2-50.2	**48.2-50.2**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.516B 5.552 5.338A	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE 5.149 5.340 5.555	MOBIELE COMMUNICATIE(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	50.2-50.4	**50.2-50.4**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Atmospheric temperature sounding. Terrestrial passive radiometers
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	50.4-51.4	**50.4-51.4**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			Future satellite and terrestrial applications
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.338A	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE Mobiele satellietverbindingen (aarde naar ruimte)	MOBIELE COMMUNICATIE Mobiele satellietverbindingen (aarde naar ruimte) (4)			
51.4-55.78 GHz	**51.4-52.6**	**51.4-52.6**			
	VASTE VERBINDINGEN 5.338A	VASTE VERBINDINGEN (4)	Fixed	EN 302 217	High density fixed links
	MOBIELE COMMUNICATIE 5.547 5.556	MOBIELE COMMUNICATIE (4)	Radio astronomy		Continuum and spectral line observations

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	52.6-54.25	**52.6-54.25**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Atmospheric temperature sounding. Terrestrial passive radiometers
	RUIMTE-ONDERZOEK (passief) 5.340 5.556	RUIMTE-ONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	54.25-55.78	**54.25-55.78**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Atmospheric temperature sounding. Terrestrial passive radiometers
	INTER SATELLIETVERBINDINGEN 5.556A	INTER SATELLIETVERBINDINGEN (4)			
	RUIMTE-ONDERZOEK (passief) 5.556B	RUIMTE-ONDERZOEK (passief) (4)			
55.78-66 GHz	**55.78-56.9**	**55.78-56.9**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed	EN 302 217	High density fixed links
	VASTE VERBINDINGEN 5.557A	VASTE VERBINDINGEN (4)	Passive sensors satellite)		Atmospheric temperature sounding.
	INTER SATELLIETVERBINDINGEN 5.556A	INTER SATELLIETVERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE (4)			
	RUIMTE-ONDERZOEK (passief) 5.547 5.557	RUIMTE-ONDERZOEK (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	56.9-57	**56.9-57**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed	EN 302 217	High density fixed links
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Passive sensors satellite)		Atmospheric temperature sounding.
	INTER SATELLIETVERBINDINGEN 5.558A	INTER SATELLIETVERBINDINGEN(4)			
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE(4)			
	RUIMTE-ONDERZOEK (passief) 5.547 5.557	RUIMTE-ONDERZOEK (passief) (4)			
	57-58.2	**57-58.2**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed	EN 302 217	High density fixed links. Uncoordinated deployment
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Passive sensors satellite)		Atmospheric temperature sounding.
	INTER SATELLIETVERBINDINGEN 5.556A	INTER SATELLIETVERBINDINGEN (4)	Radiodetermination applications	En 302 372 EN 302 729	Within the band 57-64GHz for TLPR and LPR applications
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE (4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)	Wide band data transmission system	EN 302 567	
	5.547 5.557		Non specific SRD	EN 305 550	Within the band 57-64GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	58.2-59	**58.2-59**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Fixed	EN 302 217	High density fixed links. Uncoordinated deployment
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Passive sensors satellite)		Atmospheric temperature sounding. Terrestrial passive radiometers
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Radiodetermination applications	En 302 372 EN 302 729	Within the band 57-64GHz for TLPR and LPR applications
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
			Wide band data transmission system	EN 302 567	
	5.547 5.556		Non specific SRD	EN 305 550	Within the band 57-64GHz

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	59-59.3	**59-59.3**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Defense systems		Frequencyband 59-61GHz is a harmonized military band for fixed , mobile and radiolocation systems
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Passive sensors satellite)		Atmospheric temperature sounding. Terrestrial passive radiometers
	INTER SATELLIETVERBINDINGEN 5.556A	INTER SATELLIETVERBINDINGEN (4)	Radiodetermination applications	En 302 372 EN 302 729	Within the band 57-64GHz for TLPR and LPR applications
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE (4)	Wide band data transmission system	EN 302 567	
	RADIOPLAATSBEPALING 5.559	RADIOPLAATSBEPALING (4)	Non specific SRD	EN 305 550	Within the band 57-64GHz
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)			
	59.3-64	**59.3-64**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE(4)			
	RADIOPLAATSBEPALING 5.559 5.138	RADIOPLAATSBEPALING(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	64-65	**64-65**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Fixed	EN 302 217	High density fixed links
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)	Wideband data transmission systems	EN 302 567	
	MOBIELE COMMUNICATIE m.u.v. luchtvaart5.547 5.556	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)	Radio astronomy		Continuum and spectral line observations
	65-66	**65-66**			
	AARDE- EN ATMOSFEERONDERZOEK	AARDE- EN ATMOSFEERONDERZOEK (4)	Land mobile		Broadband mobile systems
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Fixed	EN 302 217	High density fixed links
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)	Wideband data transmission systems	EN 302 567	
	MOBIELE COMMUNICATIE m.u.v. luchtvaart	MOBIELE COMMUNICATIE m.u.v. luchtvaart (4)			
	RUIMTE-ONDERZOEK 5.547	RUIMTE-ONDERZOEK(4)			

66-81 GHz	66-71	66-71			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)			Future civil systems
	MOBIELE COMMUNICATIE 5.553 5.558	MOBIELE COMMUNICATIE (4)			
	MOBIELE SATELLIETVERBINDINGEN	MOBIELE SATELLIETVERBINDINGEN (4)			
	RADIONAVIGATIE	RADIONAVIGATIE (4)			
	RADIONAVIGATIE MET SATELLIETEN 5.554	RADIONAVIGATIE MET SATELLIETEN (4)			
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	71-74	**71-74**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Defense systems		Harmonised military band. Pairing with 81-84 GHz is envisaged
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Fixed	EN 302 217	
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde)	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	74-76	**74-76**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	OMROEP	OMROEP (2)			
	OMROEPSATELLIET	OMROEPSATELLIET (4)			
	Ruimte-onderzoek (ruimte naar aarde) 5.561	Ruimte-onderzoek (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	76-77.5	**76-77.5**			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Amateur	EN 301 783	
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur Satellite		
	Amateur	Amateur (4)	SRR	EN 302 264	
	Amateur satelliet	Amateur satelliet	Radio Location Civil		
	Ruimte-onderzoek (ruimte naar aarde)	Ruimte-onderzoek (ruimte naar aarde) (4)	Radio astronomy		Continuum and spectral line observations
			Radio determination applications	EN 302 372 EN 302 729	Within the band 75-85GHz band for LPR applications
	5.149		RTTT	EN 301 091	Within the band 76-77GHz Radar road transport and traffic telematic
	77.5-78	**77.5-78**			
	AMATEUR	AMATEUR (4)	SRR	EN 302 264	
	AMATEUR SATELLIET	AMATEUR SATELLIET(4)	Radio astronomy		Continuum and spectral line observations
	Radio-astronomie	Radio-astronomie (4)	Radio determination applications	EN 302 372 EN 302 729	Within the band 75-85GHz band for LPR applications
	Ruimte-onderzoek (ruimte naar aarde) 5.149	Ruimte-onderzoek (ruimte naar aarde) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	78-79	**78-79**			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	SRR	EN 302 264	
	Amateur	Amateur (4)	Radio Location Civil		
	Amateur satelliet	Amateur satelliet (4)	Radio astronomy		Continuum and spectral line observations
	Radio-astronomie	Radio-astronomie(4)	Radio determination applications	EN 302 372 EN 302 729	Within the band 75-85GHz band for LPR applications
	Ruimte-onderzoek (ruimte naar aarde) 5.149 5.560	Ruimte-onderzoek (ruimte naar aarde) (4)	Defense systems		
	79-81	**79-81**			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	SRR	EN 302 264	
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Radio Location Civil		
	Amateur	Amateur (4)	Radio astronomy		Continuum and spectral line observations
	Amateur satelliet	Amateur satelliet (4)	Radio determination applications	EN 302 372 EN 302 729	Within the band 75-85GHz band for LPR applications
	Ruimte-onderzoek (ruimte naar aarde) 5.149	Ruimte-onderzoek (ruimte naar aarde) (4)	Defense systems		

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
81-86 GHz	**81-84**	**81-84**			
	VASTE VERBINDINGEN 5.338A	VASTE VERBINDINGEN (4)	Amateur	EN 301 783	Within the band 81-81.5GHz
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Amateur Satellite		Within the band 81-81.5GHz
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Defense systems		Harmonised military band. Pairing with 71-74 GHz is envisaged
	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte)	MOBIELE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Fixed links	EN 302 217	
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line observations
	Ruimte-onderzoek (ruimte naar aarde) 5.149 5.561A	Ruimte-onderzoek (ruimte naar aarde) (4)	Radio determination applications	EN 302 372 EN 302 729	Within the band 75-85GHz band for LPR applications
	84-86	**84-86**			
	VASTE VERBINDINGEN 5.338A	VASTE VERBINDINGEN (4)	Fixed	En 302 217	
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) 5.561B	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)	Radio determination applications	EN 302 372 EN 302 729	Within the band 75-85GHz band for LPR applications
	RADIO-ASTRONOMIE 5.149	RADIO-ASTRONOMIE (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
86-111.8 GHz	**86-92**	**86-92**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)			
	92-94	**92-94**			
	VASTE VERBINDINGEN 5.338A	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RADIOPLAATSBEPALING 5.149	RADIOPLAATSBEPALING (4)			
	94-94.1	**94-94.1**			
	AARDE- EN ATMOSFEERONDERZOEK (actief)	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Active sensors (satellite)		
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Space research (active)		
	RUIMTE-ONDERZOEK (actief)	RUIMTE-ONDERZOEK (actief) (4)	Radio astronomy		Continuum and spectral line observations
	Radio-astronomie 5.562 5.562A	Radio-astronomie (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	94.1-95	**94.1-95**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RADIOPLAATSBEPALING 5.149	RADIOPLAATSBEPALING (4)			
	95-100	**95-100**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING(4)			
	RADIONAVIGATIE	RADIONAVIGATIE(4)			
	RADIONAVIGATIE MET SATELLIETEN 5.149 5.554	RADIONAVIGATIE MET SATELLIETEN (4)			
	100-102	**100-102**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340 5.341	RUIMTE-ONDERZOEK (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	102-105	**102-105**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE 5.149 5.341	RADIO-ASTRONOMIE (4)			
	105-109.5	**105-109.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RUIMTE-ONDERZOEK (passief) 5.562B 5.149 5.341	RUIMTE-ONDERZOEK (passief) (4)			
	109.5-111.8	**109.5-111.8**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RUIMTE-ONDERZOEK (passief) 5.340 5.341	RUIMTE-ONDERZOEK (passief) (4)			
111.8-119.98 GHz	**111.8-114.25**	**111.8-114.25**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RUIMTE-ONDERZOEK (passief) 5.562B 5.149 5.341	RUIMTE-ONDERZOEK (passief) (4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	114.25-116	**114.25-116**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)			
	5.340 5.341				
	116-119.98	**116-119.98**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Passive sensing as part of the oxygen absorption band with peak at 118.75GHz
	INTER SATELLIETVERBINDINGEN 5.562C	INTER SATELLIETVERBINDINGEN (4)			
	RUIMTE-ONDERZOEK (passief) 5.341	RUIMTE-ONDERZOEK (passief) (4)			
119.98-151.5 GHz	**119.98-122.25**	**119.98-122.25**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)			
	INTER SATELLIETVERBINDINGEN 5.562C	INTER SATELLIETVERBINDINGEN (4)			
	RUIMTE-ONDERZOEK (passief) 5.138 5.341	RUIMTE-ONDERZOEK (passief) (4) 5.138			

	122.25-123	**122.25-123**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE (4)			
	Amateur 5.138	Amateur (4)			
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	123-130	**123-130**			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde)	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	RADIONAVIGATIE	RADIONAVIGATIE			
	RADIONAVIGATIE MET SATELLIETEN	RADIONAVIGATIE MET SATELLIETEN (4)			
	Radio-astronomie 5.562D 5.149 5.554	Radio-astronomie (4)			
	130-134	**130-134**			
	AARDE- EN ATMOSFEERONDERZOEK (actief) 5.562E	AARDE- EN ATMOSFEERONDERZOEK (actief) (4)	Radio astronomy		Continuum and spectral line observations
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN (4)			
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE(4)			
	RADIO-ASTRONOMIE 5.149 5.562A	RADIO-ASTRONOMIE (4)			

	134-136	**134-136**			
	AMATEUR	AMATEUR (4)	Amateur	EN 301 783	
	AMATEUR SATELLIET	AMATEUR SATELLIET (4)	Amateur Satellite		
	Radio-astronomie	Radio-astronomie (4)	Radio astronomy		Continuum and spectral line observations
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	136-141	**136-141**			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)	Amateur	EN 301 783	
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING (4)	Amateur Satellite		
	Amateur	Amateur (4)	Radio astronomy		Continuum and spectral line observations
	Amateur satellite 5.149	Amateur satelliet(4)			
	141-148.5	**141-148.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE RADIO-ASTRONOMIE	MOBIELE COMMUNICATIE (4) RADIO-ASTRONOMIE			
	RADIOPLAATSBEPALING 5.149	RADIOPLAATSBEPALING (4)			
	148.5-151.5	**148.5-151.5**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Harmonies reference window for passive sensor observations

	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)			
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
151.5-158.5 GHz	**151.5-155.5**	**151.5-155.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE (4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RADIOPLAATSBEPALING 5.149	RADIOPLAATSBEPALING (4)			
	155.5-158.5	**155.5-158.5**			
	AARDE- EN ATMOSFEERONDERZOEK (passief) 5.562F	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE (4)			
	RUIMTE-ONDERZOEK (passief) 5.562B 5.149 5.562G	RUIMTE-ONDERZOEK (passief) (4)			

158.5-202 GHz	158.5-164	158.5-164			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde)	MOBIELE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	164-167	**164-167**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief)	Passive sensors (satellite)		
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE			
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief)			
	167-174.5	**167-174.5**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN(4)			
	MOBIELE COMMUNICATIE 5.558 5.149 5.562D	MOBIELE COMMUNICATIE(4)			
	174.5-174.8	**174.5-174.8**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN(4)			
	RUIMTE-ONDERZOEK (passief) 5.558	RUIMTE-ONDERZOEK (passief) 5.558(4)			
	174.8-182	**174.8-182**			

	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Passive sensing of water vapour absorption line whose peaks is at 183.31GHz
	INTER SATELLIETVERBINDINGEN 5.562H	INTER SATELLIETVERBINDINGEN(4)			
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)			
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	182-185	**182-185**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Passive sensing of water vapour absorption line whose peaks is at 183.31GHz
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) 5.340(4)			
	185-190	**185-190**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Passive sensing of water vapour absorption line whose peaks is at 183.31GHz
	INTER SATELLIETVERBINDINGEN 5.562H	INTER SATELLIETVERBINDINGEN(4)			
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)			
	190-191.8	**190-191.8**			

	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Passive sensors (satellite)		Passive sensing of water vapour absorption line whose peaks is at 183.31GHz
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
	191.8-200	**191.8-200**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Radio astronomy		Continuum and spectral line observations
	INTER SATELLIETVERBINDINGEN	INTER SATELLIETVERBINDINGEN(4)			
	MOBIELE COMMUNICATIE 5.558	MOBIELE COMMUNICATIE(4)			
	MOBIELE SATELLIETVERBINDINGEN	MOBIELE SATELLIETVERBINDINGEN(4)			
	RADIONAVIGATIE	RADIONAVIGATIE(4)			
	RADIONAVIGATIE MET SATELLIETEN	RADIONAVIGATIE MET SATELLIETEN(4)			
	5.149 5.341 5.554				
	200-202	**200-202**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Earth exploration satellite		EESS Atmospheric limb sounding and atmospheric remote sensing of nitrous oxide at 201GHz

	RADIO-ASTRONOMI	RADIO-ASTRONOMIE(4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340 5.341 5.563A	RUIMTE-ONDERZOEK (passief) (4)			
Frequentie spectrum	**Bestemming ITU**	**Bestemming Suriname (Categorie)**	**Diensten**	**Standaard**	**Opmerkingen**
202-248 GHz	**202-209**	**202-209**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Earth exploration satellite		EESS Atmospheric limb sounding and atmospheric remote sensing of nitrous oxide at 201GHz
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief) 5.340 5.341 5.563A	RUIMTE-ONDERZOEK (passief) (4)			
	209-217	**209-217**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Radio astronomy		Continuum and spectral line observations
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIO-ASTRONOMIE 5.149 5.341	RADIO-ASTRONOMIE(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	217-226	**217-226**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Radio astronomy		Continuum and spectral line observations
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)			
	RUIMTE-ONDERZOEK (passief) 5.562B	RUIMTE-ONDERZOEK (passief) (4)			
	5.149 5.341				
	226-231.5	**226-231.5**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Passive sensors (satellite)		Atmospheric limb sounding. Reference window for higher frequency water vapour measurements
	RUIMTE-ONDERZOEK (passief) 5.340	RUIMTE-ONDERZOEK (passief) (4)			
	231.5-232	**231.5-232**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	Radioplaatsbepaling	Radioplaatsbepaling(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	232-235	**232-235**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	Radioplaatsbepaling	Radioplaatsbepaling(4)			
	235-238	**235-238**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Radio astronomy		Continuum and spectral line observations
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)	Passive sensors (satellite)		Passive sensing limited to microwave sounding
	RUIMTE-ONDERZOEK (passief) 5.563A 5.563B	RUIMTE-ONDERZOEK (passief) (4)			
	238-240	**238-240**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde)	VASTE SATELLIETVERBINDINGEN (ruimte naar aarde) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING(4)			
	RADIONAVIGATIE	RADIONAVIGATIE(4)			
	RADIONAVIGATIE MET SATELLIETEN	RADIONAVIGATIE MET SATELLIETEN(4)			
	240-241	**240-241**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING(4)			

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	241-248	**241-248**			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Amateur	EN 301 783	
	RADIOPLAATSBEPALING	RADIOPLAATSBEPALING(4)	Amateur Satelliet		
	Amateur	Amateur(4)	Non specific SRD's	EN 305 550	Within the band 244-246 GHz
	Amateur satelliet 5.138 5.149	Amateur satelliet(4)	Radio astronomy		Continuum and spectral line observations
248-1000 GHz	**248-250**	**248-250**			
	AMATEUR	AMATEUR(4)	Amateur	EN 301 783	
	AMATEUR SATELLIET	AMATEUR SATELLIET(4)	Amateur Satelliet		
	Radio-astronomie 5.149	Radio-astronomie(4)	Radio astronomy		Continuum and spectral line observations
	250-252	**250-252**			
	AARDE- EN ATMOSFEERONDERZOEK (passief)	AARDE- EN ATMOSFEERONDERZOEK (passief) (4)	Earth exploration satellite		EESS limb sounding of nitrous oxide near 251 GHz
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)	Radio astronomy		Continuum and spectral line observations
	RUIMTE-ONDERZOEK (passief)	RUIMTE-ONDERZOEK (passief) (4)			
	5.340 5.563A				

Frequentie spectrum	Bestemming ITU	Bestemming Suriname (Categorie)	Diensten	Standaard	Opmerkingen
	252-265	**252-265**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN(4)	Radio astronomy		Continuum and spectral line observations
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	MOBIELE SATELLIETVERBINDINGEN	MOBIELE SATELLIETVERBINDINGEN(4)			
	RADIO-ASTRONOMIE	RADIO-ASTRONOMIE(4)			
	RADIONAVIGATIE	RADIONAVIGATIE(4)			
	RADIONAVIGATIE MET SATELLIETEN 5.149 5.554	RADIONAVIGATIE MET SATELLIETEN(4)			
	265-275	**265-275**			
	VASTE VERBINDINGEN	VASTE VERBINDINGEN (4)	Radio astronomy		Continuum and spectral line observations
	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte)	VASTE SATELLIETVERBINDINGEN (aarde naar ruimte) (4)			
	MOBIELE COMMUNICATIE	MOBIELE COMMUNICATIE(4)			
	RADIO-ASTRONOMIE 5.149 5.563A	RADIO-ASTRONOMIE(4)			
	275-3000	**275-3000**			
	(Niet toegewezen) 5.565	(Niet toegewezen)	Niet toegwezen		

7 Annexen

Annex 0: Surinaamse footnoten vermeld in de frequentietabel

Annex 1: overzicht van de definities van ITU-radiodiensten en de daarvoor gebruikelijke verkortingen

Annex 2: overzicht van de voetnoten waaraan wordt gerefereerd.

Annex 3: verklarende woordenlijst

Annex 0 Surinaamse footnoten vermeld in de frequentietabel

NN1 Alle analoge televisie omroepstations zullen hun analoge terrestrische televisie uitzending moeten stopzetten op 17 juni 2015 om 00:00u Atlantic time.

Annex 1 ITU-radiodiensten

A Amateur
A radiocommunication service for the purpose of selftraining, intercommunication and technical investigations carried out by amateurs, that is, by duly authorised persons interested in radio technique solely with a personal aim and without pecuniary interest.

AM(OR) Aeronautical Mobile (OR)
An aeronautical mobile service intended for communications, including those relating to flight co-ordination, primarily outside national or international civil air routes.

AM(R) Aeronautical Mobile (R)
An aeronautical mobile service reserved for communications relating to safety and regularity of flight, primarily along national or international civil air routes.

AMS(R)D Aeronautical Mobile Satellite (R) (space-to-Earth)
An aeronautical mobile satellite service reserved for communications relating to safety and regularity of flights, primarily along national and international civil air routes.

ARN Aeronautical Radionavigation
A radionavigation service intended for the benefit and for the safe operations of aircraft.

AS Amateur Satellite
A radiocommunication service using space stations on earth satellites for the same purposes as those of the amateur service.

BC Broadcasting
A radiocommunication service in which the transmissions are intended for direct reception by the general public. This service may include sound transmission, television transmission or other types of transmission.

BS Broadcasting Satellite
A radiocommunications service in which signals transmitted or retransmitted by space stations are intended for direct reception by the general public. In the broadcasting satellite service, the term 'direct reception' shall encompass both individual reception and community reception.

EES(A) Earth Exploration Satellite (Active)
A radiocommunication service between earth stations and one or more space stations, which may include links between space stations, in which:
- information relating to the characteristics of the earth and its natural phenomena, including data relating to the state of the environment, is obtained from active or passive sensors on earth satellites;
- similar information is collected from airborne or earth based platforms;
- such information may be distributed to earth stations within the systems concerned;
- platform interrogation may be included. This service may also include feeder links necessary for its own operation.

EES(P) Earth Exploration Satellite (Passive)
A radiocommunication service between earth stations and one or more space stations, which may include links between space stations, in which:

- information relating to the characteristics of the earth and its natural phenomena, including data relating to the state of the environment, is obtained from active or passive sensors on earth satellites;
- similar information is collected from airborne or earth based platforms;
- such information may be distributed to earth stations within the systems concerned;
- platform interrogation may be included. This service may also include feeder links necessary for its own operation.

F Fixed
A radiocommunication service between specified fixed points.

FS(D) Fixed Satellite (space-to-Earth)
A radiocommunication service between earth stations at given positions, when one or more satellites are used, the given position may be a fixed point or any fixed point within specified areas; in some cases this service includes satellite to satellite links, which may also be operated in the intersatellite service; the fixed satellite service may also include feeder links for other space radiocommunications services.

FS(D-U) Fixed Satellite (space-to-Earth) (Earth-to-space)
A radiocommunication service between earth stations at given positions, when one or more satellites are used, the given position may be a fixed point or any fixed point within specified areas; in some cases this service includes satellite to satellite links, which may also be operated in the intersatellite service; the fixed satellite service may also include feeder links for other space radiocommunications services.

FS(U) Fixed Satellite (Earth-to-space)
A radiocommunication service between earth stations at given positions, when one or more satellites are used, the given position may be a fixed point or any fixed point within specified areas; in some cases this service includes satellite to satellite links, which may also be operated in the intersatellite service; the fixed satellite service may also include feeder links for other space radiocommunications services.

IS Inter Satellite
A radiocommunication service providing links between artificial satellites.

LM Land Mobile
A mobile service between base stations and landmobile stations, or between landmobile stations.

LMS(D) Land Mobile Satellite (space-to-Earth)
A mobile satellite service in which mobile earth stations are located on land.

LMS(U) Land Mobile Satellite (Earth-to-space)
A mobile satellite service in which mobile earth stations are located on land.

M(DC) Mobile (Distress and Calling)
A radiocommunication service between mobile and land stations, or between mobile stations.

M(EAM) Mobile (Except Aeronautical Mobile)
A radiocommunication service between mobile and land stations, or between mobile stations.

MLA Meteorological Aids

A radiocommunications service used for meteorological purposes, including hydrological observation and exploration.

MLS(D) Meteorological Satellite (space-to-Earth)
An earth exploration satellite service for meteorological purposes.

MM Maritime Mobile
A mobile service between coast stations and ship stations, or between ship stations, or between associated onboard communication stations; survival craft stations and emergency positionindicating radiobeacon (EPIRB) stations may also participate in this service.

MMS(D) Maritime Mobile Satellite (space-to-Earth)
A mobile satellite service in which mobile earth stations are located on board ships; survival craft stations and EPRIB stations may also participate in this service.

MMS(U) Maritime Mobile Satellite (Earth-to-space)
A mobile satellite service in which mobile earth stations are located on board ships; survival craft stations and EPIRB stations may also participate in this service.

MOB Mobile
A radiocommunication service between mobile and land stations, or between mobile stations.

MRN Maritime Radionavigation
A radionavigation service intended for the benefit and for the safe operation of ships.

MS Mobile Satellite
A radiocommunication service:
- between mobile earth stations and one or more space stations, or between space stations used by this service; or
- between mobile earth stations by means of one or more space stations. This service may also include feeder links necessary for its operation.

MS(D) Mobile Satellite (space-to-Earth)
A radiocommunication service:
- between mobile earth stations and one or more space stations, or between space stations used by this service; or
- between mobile earth stations by means of one or more space stations. This service may also include feeder links necessary for its operation.

MS(D-U) Mobile Satellite (space-to-Earth) (Earth-to-space)
A radiocommunication service:
- between mobile earth stations and one or more space stations, or between space stations used by this service; or
- between mobile earth stations by means of one or more space stations. This service may also include feeder links necessary for its operation.

MS(U) Mobile Satellite (Earth-to-space)
A radiocommunication service:
- between mobile earth stations and one or more space stations, or between space stations used by this service;
- or between mobile earth stations by means of one or more space stations. This service may also include feeder links necessary for its operation.

NA Not Allocated

RAST Radio Astronomy
Astronomy based on the reception of radio waves of cosmic origin.

RL Radiolocation
Radiodetermination used for purposes other than those of radionavigation.

RN Radionavigation
Radiodetermination used for the purpose of navigation, including obstruction warning.

RNS Radionavigation Satellite
A radiodetermination-satellite service used for the purpose of radionavigation. This service may also include feeder links necessary for its operation.

RNS(D-I) Radionavigation Satellite (space-to-Earth) (space-to-space)
A radiodetermination-satellite service used for the purpose of radionavigation.

RNS(U) Radionavigation Satellite (Earth-to-space)
A radiodetermination-satellite service used for feeder links necessary for its operation.
SFTS Standard Frequency and Time Signal
A radiocommunication service for scientific, technical and other purposes, providing the transmission of specified frequencies, time signals, or both, of stated high precision, intended for general reception.

SFTSS Standard Frequency and Time Signal Satellite
A radiocommunication service using space stations on earth satellites for the same purposes as those of the standard frequency and time signal service. This service may also include feeder links necessary for its operation.

SO Space Operation
A radiocommunication service concerned exclusively with the operation of spacecraft in particular space tracking, space telemetry and space telecommand.

SR Space Research
A radiocommunication service in which space craft or other objects in space are used for scientific or technological purposes.

SR(A) Space Research (Active)
A radiocommunication service in which space craft or other objects in space are used for scientific or technological purposes.

SR(D) Space Research (space-to-Earth)
The downlinks for a passive radiocommunication service in which space crafts or other objects in space are used for scientific or technological purposes.

SR(P) Space Research (Passive)
A passive radiocommunication service in which space crafts or other objects in space are used for scientific or technological purposes.

Annex 2 Relevante voetnoten ITU Radio Regulations

5.53 Administrations authorizing the use of frequencies below 8.3 kHz shall ensure that no harmful interference is caused to services to which the bands above 8.3 kHz are allocated.

5.54 Administrations conducting scientific research using frequencies below 8.3 kHz are urged to advise other administrations that may be concerned in order that such research may be afforded all practicable protection from harmful interference.

5.54A Use of the 8.3-11.3 kHz frequency band by stations in the meteorological aids service is limited to passive use only. In the band 9-11.3 kHz, meteorological aids stations shall not claim protection from stations of the radionavigation service submitted for notification to the Bureau prior to 1 January 2013. For sharing between stations of the meteorological aids service and stations in the radionavigation service submitted for notification after this date, the most recent version of Recommendation ITU-R RS.1881 should be applied.

5.54B Additional allocation: in Algeria, Saudi Arabia, Egypt, the United Arab Emirates, the Russian Federation, Iraq, Lebanon, Morocco, Qatar, the Syrian Arab Republic, Sudan and Tunisia, the frequency band 8.3-9 kHz is also allocated to the radio navigation, fixed and mobile services on a primary basis.

5.54C Additional allocation: in China, the frequency band 8.3-9 kHz is also allocated to the maritime radionavigation and maritime mobile services on a primary basis.

5.55 *Additional allocation:* in Armenia, Azerbaijan, Bulgaria, the Russian Federation, Georgia, Kyrgyzstan, Tajikistan and Turkmenistan, the band 14-17 kHz is also allocated to the radio navigation service on a primary basis. (WRC-2000)

5.56 The stations of services to which the bands 14-19.95 kHz and 20.05-70 kHz and in Region 1 also the bands 72-84 kHz and 86-90 kHz are allocated may transmit standard frequency and time signals. Such stations shall be afforded protection from harmful interference. In Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan and Turkmenistan, the frequencies 25 kHz and 50 kHz will be used for this purpose under the same conditions. (WRC-12)

5.57 The use of the bands 14-19.95 kHz, 20.05-70 kHz and 70-90 kHz (72-84 kHz and 86-90 kHz in Region 1) by the maritime mobile service is limited to coast radiotelegraph stations (A1A and F1B only). Exceptionally, the use of class J2B or J7B emissions is authorized subject to the necessary bandwidth not exceeding that normally used for class A1A or F1B emissions in the band concerned.

5.67B The use of the band 135.7-137.8 kHz in Algeria, Egypt, Iran (Islamic Republic of), Iraq, Lebanon, Syrian Arab Republic, Sudan, South Sudan and Tunisia is limited to the fixed and maritime mobile services. The amateur service shall not be used in the above-mentioned countries in the band 135.7-137.8 kHz, and this should be taken into account by the countries authorizing such use. (WRC-12)

5.58 *Additional allocation:* in Armenia, Azerbaijan, the Russian Federation, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan and Turkmenistan, the band 67-70 kHz is also allocated to the radio navigation service on a primary basis. (WRC-2000)

5.59 *Different category of service:* in Bangladesh and Pakistan, the allocation of the bands 70-72 kHz and84-86 kHz to the fixed and maritime mobile services is on a primary basis (see No. **5.33**). (WRC-2000)

5.60 In the bands 70-90 kHz (70-86 kHz in Region 1) and 110-130 kHz (112-130 kHz in Region 1), pulsed radio navigation systems may be used on condition that they do not cause harmful interference to other services to which these bands are allocated.

5.61 In Region 2, the establishment and operation of stations in the maritime radio navigation service in the bands 70-90 kHz and 110-130 kHz shall be subject to agreement obtained under No. **9.21** with administrations whose services, operating in accordance with the Table, may be affected. However, stations of the fixed, maritime mobile and radiolocation services shall not cause harmful interference to stations in the maritime radio navigation service established under such agreements.

5.62 Administrations which operate stations in the radionavigation service in the band 90-110 kHz are urged to coordinate technical and operating characteristics in such a way as to avoid harmful interference to the services provided by these stations.

5.63 (SUP - WRC-97)

5.64 Only classes A1A or F1B, A2C, A3C, F1C or F3C emissions are authorized for stations of the fixed service in the bands allocated to this service between 90 kHz and 160 kHz (148.5 kHz in Region 1) and for stations of the maritime mobile service in the bands allocated to this service between 110 kHz and 160 kHz (148.5 kHz in Region 1). Exceptionally, class J2B or J7B emissions are also authorized in the bands between 110 kHz and 160 kHz (148.5 kHz in Region 1) for stations of the maritime mobile service.

5.70 Alternative allocation: in Angola, Botswana, Burundi, the Central African Rep., Congo (Rep. of the), Ethiopia, Kenya, Lesotho, Madagascar, Malawi, Mozambique, Namibia, Nigeria, Oman, the Dem. Rep. of the Congo, South Africa, Swaziland, Tanzania, Chad, Zambia and Zimbabwe, the band 200-283.5 kHz is allocated to the aeronautical radionavigation service on a primary basis. (WRC-12)

5.72 (SUP - WRC-2012)

5.4C03 Stations in the amateur service using frequencies in the band 135.7-137.8 kHz shall not exceed a maximum radiated power of 1 W (e.i.r.p.) and shall not cause harmful interference to stations of the radio navigation service operating in countries listed in No. **5.67**. (WRC-07)

5.4C04 The use of the band 135.7-137.8 kHz in Algeria, Egypt, Iran (Islamic Republic of), Iraq, Libyan Arab Jamahiriya, Lebanon, Syrian Arab Republic, Sudan and Tunisia is limited to the fixed and maritime mobile services. The amateur service shall not be used in the above-mentioned countries in the band 135.7-137.8 kHz, and this should be taken into account by the countries authorizing such use. (WRC-07) 5.073 The band 285-325 kHz (283.5-325 kHz in Region 1) in the maritime radio navigation service may be used to transmit supplementary navigational information using narrow-band techniques, on condition that no harmful interference is caused to radio beacon stations operating in the radio navigation service. (WRC-97)

5.074 Additional Allocation: in Region 1, the frequency band 285.3-285.7 kHz is also allocated to the maritime radio navigation service (other than radio beacons) on a primary basis.

5.076 The frequency 410 kHz is designated for radio direction-finding in the maritime radio navigation service. The other radio navigation services to which the band 405-415 kHz is allocated shall not cause harmful interference to radio direction-finding in the band 406.5-413.5 kHz.

5.079 The use of the bands 415-495 kHz and 505-526.5 kHz (505-510 kHz in Region 2) by the maritime mobile service is limited to radiotelegraphy.

5.079A When establishing coast stations in the NAVTEX service on the frequencies 490 kHz, 518 kHz and 4 209.5 kHz, administrations are strongly recommended to coordinate the operating characteristics in accordance with the procedures of the International Maritime Organization (IMO) (see Resolution 339 (Rev.WRC-07)). (WRC-07)

5.79B The use of the band 495-505 kHz is limited to radiotelegraphy. (WRC-07)

5.77 Different category of service: in Australia, China, the French overseas communities of Region 3, Korea (Rep. of), India, Iran (Islamic Republic of), Japan, Pakistan, Papua New Guinea and Sri Lanka, the allocation of the frequency band 415-495 kHz to the aeronautical radionavigation service is on a primary basis. In Armenia, Azerbaijan, Belarus, the Russian Federation, Kazakhstan, Latvia, Uzbekistan and Kyrgyzstan, the allocation of the frequency band 435-495 kHz to the aeronautical radionavigation service is on a primary basis. Administrations in all the aforementioned countries shall take all practical steps necessary to ensure that aeronautical radionavigation stations in the frequency band 435-495 kHz do not cause interference to reception by coast stations of transmissions from ship stations on frequencies designated for ship stations on a worldwide basis. (WRC-12)

5.80A The maximum equivalent isotropically radiated power (e.i.r.p.) of stations in the amateur service using frequencies in the band 472-479 kHz shall not exceed 1 W. Administrations may increase this limit of e.i.r.p. to 5 W in portions of their territory which are at a distance of over 800 km from the borders of Algeria, Saudi Arabia, Azerbaijan, Bahrain, Belarus, China, Comoros, Djibouti, Egypt, United Arab Emirates, the Russian Federation, Iran (Islamic Republic of), Iraq, Jordan, Kazakhstan, Kuwait, Lebanon, Libya, Morocco, Mauritania, Oman, Uzbekistan, Qatar, Syrian Arab Republic, Kyrgyzstan, Somalia, Sudan, Tunisia, Ukraine and Yemen. In this frequency band, stations in the amateur service shall not cause harmful interference to, or claim protection from, stations of the aeronautical radionavigation service.

5.80B The use of the frequency band 472-479 kHz in Algeria, Saudi Arabia, Azerbaijan, Bahrain, Belarus, China, Comoros, Djibouti, Egypt, United Arab Emirates, the Russian Federation, Iraq, Jordan, Kazakhstan, Kuwait, Lebanon, Libya, Mauritania, Oman, Uzbekistan, Qatar, Syrian ,Arab Republic, Kyrgyzstan, Somalia, Sudan, Tunisia and Yemen is limited to the maritime mobile and aeronautical radionavigation services. The amateur service shall not be used in the above-mentioned countries in this frequency band, and this should be taken into account by the countries authorizing such use.

5.82 In the maritime mobile service, the frequency 490 kHz is to be used exclusively for the transmission by coast stations of navigational and meteorological warnings and urgent information to ships, by means of narrow-band direct-printing telegraphy. The conditions for use of the frequency 490 kHz are prescribed in Articles 31 and 52. In using the frequency band 415-495 kHz for the aeronautical radionavigation service, administrations are requested to ensure that no harmful interference is caused to the frequency 490 kHz. In using the frequency band 472-479 kHzfor the amateur service, administrations shall ensure that no harmful interference is caused to the frequency 490 kHz. (WRC-12)

5.82A (SUP - WRC-2012)

5.82B (SUP - WRC-2012)

5.87 Additional allocation: in Angola, Botswana, Lesotho, Malawi, Mozambique, Namibia, Niger and Swaziland, the band 526.5-535 kHz is also allocated to the mobile service on a secondary basis. (WRC-12)

5.93 Additional allocation: in Angola, Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Mongolia, Nigeria, Uzbekistan, Poland, Kyrgyzstan, Slovakia, Tajikistan, Chad, Turkmenistan and Ukraine, the bands 1 625-1 635 kHz, 1 800-1 810 kHz and 2 160-2 170 kHz are also allocated to the fixed and land mobile services on a primary basis, subject to agreement obtained under No. 9.21. (WRC-12)

5.4C01 Administrations authorizing the use of frequencies in the band 495-505 kHz by services other than the maritime mobile service shall ensure that no harmful interference is caused to the maritime mobile service in this band or to the services having allocations in the adjacent bands, noting in particular the conditions of use of the frequencies 490 kHz and 518 kHz, as prescribed in Articles **31** and **52**. (WRC-07)

5.084 The conditions for the use of the frequency 518 kHz by the maritime mobile service are prescribed in Articles 31 and 52. (WRC-07)

5.090 In the band 1 605-1 705 kHz, in cases where a broadcasting station of Region 2 is concerned, the service area of the maritime mobile stations in Region 1 shall be limited to that provided by ground-wave propagation.

5.092 Some countries in Region 1 use radio determination systems in the bands 1606.5-1625 kHz, 1635-1800 kHz, 1850-2160 kHz, 2194-2300 kHz, 2502-2850 kHz and 3500-3800 kHz, subject to agreement obtained under No 9.21. The radiatedmean power of these stations shall not exceed 50 W.

5.096 In Germany, Armenia, Austria, Azerbaijan, Belarus, Denmark, Estonia, Finland, Georgia, Hungary, Iceland, Ireland, Israel, Kazakhstan, Latvia, Liechtenstein, Lithuania, Malta, Moldova, Norway, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., the United Kingdom, the Russian Federation, Sweden, Switzerland, Tajikistan, Turkmenistan and Ukraine, administrations may allocate up to 200 kHz to their amateur service in the bands 1 715-1 800 kHz and 1850-2 000 kHz. However, when allocating the bands within this range to their amateur service, administrations shall, after prior consultation with administrations of neighboring countries, take such steps as may be necessary to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 W. (WRC 03)

5.98 Alternative allocation: in Angola, Armenia, Azerbaijan, Belarus, Belgium, Cameroon, Congo (Rep. of the), Denmark, Egypt, Eritrea, Spain, Ethiopia, the Russian Federation, Georgia, Greece, Italy, Kazakhstan, Lebanon, Lithuania, the Syrian Arab Republic, Kyrgyzstan, Somalia,Tajikistan, Tunisia, Turkmenistan, Turkey and Ukraine, the band 1 810-1 830 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.99 Additional allocation: in Saudi Arabia, Austria, Iraq, Libya, Uzbekistan, Slovakia, Romania, Slovenia, Chad, and Togo, the band 1 810-1 830 kHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis . (WRC-12)

5.100 In Region 1, the authorization to use the band 1 810-1 830 kHz by the amateur service in countries situated totally or partially north of 40° N shall be given only after consultation with the countries mentioned in Nos. 5.98 and 5.99 to define the necessary steps to be taken to prevent harmful interference between amateur stations and stations of other services operating in accordance with Nos. 5.98 and 5.99.

5.101 (SUP - WRC-2012)

5.103 In Region 1, in making assignments to stations in the fixed and mobile services in the bands 1850-2045 kHz, 2194-2498 kHz, 2502-2 625 kHz and 2650-2850 kHz, administrations should bear in mind the special requirements of the maritime mobile service.

5.104 In Region 1, the use of the band 2 025-2 045 kHz by the meteorological aids service is limited to oceanographic buoy stations.

5.107 Additional allocation: in Saudi Arabia, Eritrea, Ethiopia, Iraq, Libya, Somalia and Swaziland, the band 2 160-2 170 kHz is also allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis. The mean power of stations in these services shall not exceed 50 W. (WRC-12)

5.108 The carrier frequency 2 182 kHz is an international distress and calling frequency for radiotelephony. The conditions for the use of the band 2 173.5-2 190.5 kHz are prescribed in Articles 31 and 52 (WRC07).

5.109 The frequencies 2 187.5 kHz, 4 207.5 kHz, 6 312 kHz, 8 414.5 kHz, 12 577 kHz and 16 804.5 kHz are international distress frequencies for digital selective calling. The conditions for the use of these frequencies are prescribed in Article 31

5.110 The frequencies 2 174.5 kHz, 4 177.5 kHz, 6 268 kHz, 8 376.5 kHz, 12 520 kHz and 16 695 kHz are international distress frequencies for narrow-band direct-printing telegraphy. The conditions for the use of these frequencies are prescribed in Article 31

5.111 The carrier frequencies 2 182 kHz, 3 023 kHz, 5 680 kHz, 8 364 kHz and the frequencies 121.5 MHz, 156.525 MHz, 156.8 MHz and 243 MHz may also be used, in accordance with the procedures in force for terrestrial radio communication services, for search and rescue operations concerning manned space vehicles. The conditions for the use of the frequencies are prescribed in Article 31. The same applies to the frequencies 10 003 kHz, 14 993 kHz and 19 993 kHz, but in each of these cases emissions must be confined in a band of ± 3 kHz about the frequency (WRC07).

5.112 Alternative allocation: in Denmark and Sri Lanka, the band 2 194-2 300 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.113 For the conditions for the use of the bands 2 300-2 495 kHz (2 498 kHz in Region 1), 3 200-3 400 kHz, 4 750-4 995 kHz and 5 005-5 060 kHz by the broadcasting service, see Nos. 5.16 to 5.20, 5.21 and 23.3 to 23.10.

5.114 Alternative allocation: in Denmark and Iraq, the band 2 502-2 625 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.115 The carrier (reference) frequencies 3 023 kHz and 5 680 kHz may also be used, in accordance with Article 31 by stations of the maritime mobile service engaged in coordinated search and rescue operations (WRC07).

5.116 Administrations are urged to authorize the use of the band 3 155-3 195 kHz to provide a common worldwide channel for low power wireless hearing aids. Additional channels for these devices may be assigned by administrations in the bands between 3 155 kHz and 3 400 kHz to suit local needs. It should be noted that frequencies in the range 3 000 kHz to 4000 kHz are suitable for hearing aid devices which are designed to operate over short distances within the induction field.

5.117 Alternative allocation: in Côte d'Ivoire, Denmark, Egypt, Liberia, Sri Lanka and Togo, the band 3 155-3 200 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.127 The use of the band 4 000-4 063 kHz by the maritime mobile service is limited to ship stations using radiotelephony (see No. 52.220 and Appendix 17).

5.128 Frequencies in the bands 4 063-4 123 kHz and 4 130-4 438 kHz may be used exceptionally by stations in the fixed service, communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 W, on condition that harmful interference is not caused to the maritime mobile service. In addition, in Afghanistan, Argentina, Armenia, Azerbaijan, Belarus, Botswana, Burkina Faso, the Central African Rep.,China, the Russian Federation, Georgia, India, Kazakhstan, Mali, Niger, Pakistan, Kyrgyzstan,Tajikistan, Chad, Turkmenistan and Ukraine, in the bands 4 063-4 123 kHz, 4 130-4 133 kHz and 4 408-4 438 kHz, stations in the fixed service, with a mean power not exceeding 1 kW, can be operated on condition that they are situated at least 600 km from the coast and that harmful interference is not caused to the maritime mobile service. (WRC-12)

5.130 The conditions for the use of the carrier frequencies 4 125 kHz and 6 215 kHz are prescribed in Articles 31 and 52 (WRC07).

5.131 The frequency 4 209.5 kHz is used exclusively for the transmission by coast stations of meteorological and navigational warnings and urgent information to ships by means of narrow-band direct-printing techniques. (WRC-97)

5.132 The frequencies 4 210 kHz, 6 314 kHz, 8 416.5 kHz, 12 579 kHz, 16 806.5 kHz, 19 680.5 kHz, 22 376 kHz and 26 100.5 kHz are the international frequencies for the transmission of maritime safety information (MSI) (see Appendix 17).

5.132A Stations in the radiolocation service shall not cause harmful interference to, or claim protection from, stations operating in the fixed or mobile services. Applications of the radiolocation service are limited to oceanographic radars operating in accordance with Resolution 612 (Rev.WRC-12).

5.132B Alternative allocation: in Armenia, Austria, Belarus, Moldova, Uzbekistan and Kyrgyzstan, the frequency band 4 438-4 488 kHz is allocated to the fixed and mobile, except aeronautical mobile (R), services on a primary basis.

5.133 Different category of service: in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Latvia, Lithuania, Niger, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the allocation of the band 5 130-5 250 kHz to the mobile, except aeronautical mobile, service is on a primary basis (see No. 5.33). (WRC-12)

5.133A Alternative allocation: in Armenia, Austria, Belarus, Moldova, Uzbekistan and Kyrgyzstan, the frequency bands 5 250-5 275 kHz and 26 200-26 350 kHz are allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

5.134 The use of the bands 5 900-5 950 kHz, 7 300-7 350 kHz, 9 400-9 500 kHz, 11 600-11 650 kHz, 12 050-12 100 kHz, 13 570-13 600 kHz, 13 800-13 870 kHz, 15 600-15 800 kHz, 17 480-17 550 kHz and 18 900-19 020 kHz by the broadcasting service is subject to the application of the procedure of Article **12**. Administrations are encouraged to use these bands to facilitate the introduction of digitally modulated emissions in accordance with the provisions of Resolution **517 (Rev.WRC-07)**. (WRC-07)

5.136 ***Additional allocation:*** **Frequencies in t**he band 5 900-5 950 kHz may be used by stations in the following services, communicating only within the boundary of the country in which they are located: fixed service (in all three Regions), land mobile service (in Region 1), mobile except aeronautical mobile (R) service (in Regions 2 and 3), on condition that harmful interference is not

caused to the broadcasting service. When using frequencies for these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations. (WRC-07)

5.137 On condition that harmful interference is not caused to the maritime mobile service, the bands 6 200-6 213.5 kHz and 6220.5-6 525 kHz may be used exceptionally by stations in the fixed service, communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 W. At the time of notification of these frequencies, the attention of the Bureau will be drawn to the above conditions.

5.138 The following bands: 6 765 - 6 795 kHz (centre frequency 6 780 kHz), 433.05 - 434.79 MHz (centre frequency 433.92MHz) in Region 1 except in the countries mentioned in No. 5.280, 61 - 61.5 GHz (centre frequency 61.25 GHz), 122 - 123 GHz (centre frequency 122.5 GHz), and 244 - 246 GHz (centre frequency 245 GHz) are designated for industrial, scientific and medical (ISM) applications. The use of these frequency bands for ISM applications shall be subject to special authorisation by the administration concerned, in agreement with other administrations whose radiocommunication services might be affected. In applying this provision, administrations shall have due regard to the latest relevant ITU-R Recommendations.

5.138A Until 29 March 2009, the band 6 765-7 000 kHz is allocated to the fixed service on a primary basis and to the land mobile service on a secondary basis. After this date, this band is allocated to the fixed and the mobile except aeronautical mobile (R) services on a primary basis. (WRC 03)

5.140 Additional allocation: in Angola, Iraq, Kenya, Somalia and Togo, the band 7 000-7 050 kHz is also allocated to the fixed service on a primary basis. (WRC-12)

5.141 Alternative allocation: in Egypt, Eritrea, Ethiopia, Guinea, Libya, Madagascar and Niger, the band 7 000-7 050 kHz is allocated to the fixed service on a primary basis. (WRC-12)

5.141B Additional allocation: after 29 March 2009, in Algeria, Saudi Arabia, Australia, Bahrain, Botswana, Brunei Darussalam, China, Comoros, Korea (Rep. of), Diego Garcia, Djibouti, Egypt, United Arab Emirates, Eritrea, Indonesia, Iran (Islamic Republic of), Japan, Jordan, Kuwait, Libya, Morocco, Mauritania, Niger, New Zealand, Oman, Papua New Guinea, Qatar, the Syrian Arab Republic, Singapore, Sudan, South Sudan, Tunisia, Viet Nam and Yemen, the band 7 100-7 200 kHz is also allocated to the fixed and the mobile, except aeronautical mobile (R), services on a primary basis. (WRC-12)

5.141C In Regions 1 and 3, the band 7 100-7 200 kHz is allocated to the broadcasting service until 29 March 2009 on a primary basis. (WRC 03)

5.142 Until 29 March 2009, the use of the band 7 100-7 300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3. After 29 March 2009 the use of the band 7 200-7 300 kHz in Region 2 by the amateur service shall not impose constraints on the broadcasting service intended for use within Region 1 and Region 3. (WRC 03)

5.143 ***Additional allocation:*** **Frequencies in** the band 7 300-7 350 kHz may be used by stations in the fixed service and in the land mobile service, communicating only within the boundary of the country in which they are located, on condition that harmful interference is not caused to the broadcasting service. When using frequencies for these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations. (WRC-07)

5.143B In Region 1, the band 7 350-7 450 kHz is allocated, until 29 March 2009, to the fixed service on a primary basis and to the land mobile service on a secondary basis. After 29 March 2009, on

condition that harmful interference is not caused to the broadcasting service, frequencies in the band 7 350-7 450 kHz may be used by stations in the fixed and land mobile services communicating only within the boundary of the country in which they are located, each station using a total radiated power that shall not exceed 24 dBW. (WRC 03)

5.143C Additional allocation: after 29 March 2009 in Algeria, Saudi Arabia, Bahrain, Comoros, Djibouti, Egypt, United Arab Emirates, Iran (Islamic Republic of), Jordan, Kuwait, Libya, Morocco, Mauritania, Niger, Oman, Qatar, the Syrian Arab Republic, Sudan, South Sudan, Tunisia and Yemen, the bands 7 350-7 400 kHz and 7 400-7 450 kHz are also allocated to the fixed service on a primary basis. (WRC-12)

5.143E Until 29 March 2009, the band 7 450-8 100 kHz is allocated to the fixed service on a primary basis and to the land mobile service on a secondary basis. (WRC 03)

5.145 The conditions for the use of the carrier frequencies 8 291 kHz, 12 290 kHz and 16 420 kHz are prescribed in Articles 31 and 52. (WRC07)

5.145A Stations in the radiolocation service shall not cause harmful interference to, or claim protection from, stations operating in the fixed service. Applications of the radiolocation service are limited to oceanographic radars operating in accordance with Resolution 612 (Rev.WRC-12)

5.145B Alternative allocation: in Armenia, Austria, Belarus, Moldova, Uzbekistan and Kyrgyzstan, the frequency bands 9 305-9 355 kHz and 16 100-16 200 kHz are allocated to the fixed service on a primary basis.

5.146 ***Additional allocation:*** **Frequencies in** the bands 9 400-9 500 kHz, 11 600-11 650 kHz, 12 050-12 100 kHz, 15 600-15 800 kHz, 17 480-17 550 kHz and 18 900-19 020 kHz may be used by stations in the fixed service, communicating only within the boundary of the country in which they are located, on condition that harmful interference is not caused to the broadcasting service. When using frequencies in the fixed service, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations. (WRC-07)

5.147 On condition that harmful interference is not caused to the broadcasting service, frequencies in the bands 9 775-9 900 kHz, 11 650-11 700 kHz and 11 975-12 050 kHz may be used by stations in the fixed service communicating only within the boundary of the country in which they are located, each station using a total radiated power not exceeding 24 dBW.

5.149 In making assignments to stations of other services to which the bands: 13 360-13 410 kHz, 25 550-25 670 kHz, 37.5-38.25 MHz, 73-74.6 MHz in Regions 1 and 3, 150.05-153 MHz in Region 1, 322-328.6 MHz, 406.1-410 MHz, 608-614 MHz in Regions 1 and 3, 1 330-1 400 MHz, 1 610.6-1 613.8 MHz, 1 660-1 670 MHz, 1 718.8-1 722.2 MHz, 2 655-2 690 MHz, 3 260-3 267 MHz, 3 332-3 339 MHz, 3 345.8-3 352.5 MHz, 4 825-4 835 MHz, 4 950-4 990 MHz, 4 990-5 000 MHz, 6 650-6 675.2 MHz, 10.6-10.68 GHz, 14.47-14.5 GHz, 22.01-22.21 GHz, 22.21-22.5 GHz, 22.81-22.86 GHz, 23.07-23.12 GHz, 31.2-31.3 GHz, 31.5-31.8 GHz in Regions 1 and 3, 36.43-36.5 GHz, 42.5-43.5 GHz, 42.77-42.87 GHz, 43.07-43.17 GHz, 43.37-43.47 GHz, 48.94-49.04 GHz, 76-86 GHz, 92-94 GHz, 94.1-100 GHz, 102-109.5 GHz, 111.8-114.25 GHz, 128.33-128.59 GHz, 129.23-129.49 GHz, 130-134 GHz, 136-148.5 GHz, 151.5-158.5 GHz, 168.59-168.93 GHz, 171.11-171.45 GHz, 172.31-172.65 GHz, 173.52-173.85 GHz, 195.75-196.15 GHz, 209-226 GHz, 241-250 GHz, 252-275 GHz are allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions from spaceborne or airborne stations can be particularly serious sources of interference to the radio astronomy service (see Nos. 4.5 and 4.6 and Article 29).

5.149A Alternative allocation: in Armenia, Austria, Belarus, Moldova, Uzbekistan and Kyrgyzstan, the f frequency band 13 450-13 550 kHz is allocated to the fixed service on a primary basis and to the mobile, except aeronautical mobile (R), service on a secondary basis.

5.150 The following bands: 13 553 - 13 567 kHz (centre frequency 13 560 kHz), 26 957 - 27 283 kHz (centre frequency 27120 kHz), 40.66 - 40.70 MHz (centre frequency 40.68 MHz), 902 - 928 MHz in Region 2(centre frequency 915 MHz), 2 400 - 2 500 MHz (centre frequency 2 450 MHz), 5 725 - 5 875 MHz (centre frequency 5 800 MHz), and24 - 24.25 GHz (centre frequency 24.125 GHz) are also designated for industrial, scientific and medical (ISM) applications. Radiocommunication services operatingwithin these bands must accept harmful interference which may be caused by these applications. ISM equipmentoperating in these bands is subject to the provisions of No. 15.13.

5.151 ***Additional allocation:*** **Frequencies in** the bands 13 570-13 600 kHz and 13 800-13 870 kHz may be used by stations in the fixed service and in the mobile except aeronautical mobile (R) service , communicating only within the boundary of the country in which they are located, on the condition that harmful interference is not caused to the broadcasting service. When using frequencies in these services, administrations are urged to use the minimum power required and to take account of the seasonal use of frequencies by the broadcasting service published in accordance with the Radio Regulations. (WRC-07)

5.155B The band 21 870-21 924 kHz is used by the fixed service for provision of services related to aircraft flight safety.

5.156A The use of the band 23 200-23 350 kHz by the fixed service is limited to provision of services related to aircraft flight safety.

5.157 The use of the band 23 350-24 000 kHz by the maritime mobile service is limited to inter-ship radiotelegraphy.

5.158 Alternative allocation: in Armenia, Austria, Belarus, Moldova, Uzbekistan and Kyrgyzstan, the frequency band 24 450-24 600 kHz is allocated to the fixed and land mobile services on a primary basis.

5.159 Alternative allocation: in Armenia, Austria, Belarus, Moldova, Uzbekistan and Kyrgyzstan, the frequency band 39-39.5 MHz is allocated to the fixed and mobile services on a primary basis.

5.160 Additional allocation: in Botswana, Burundi, Dem. Rep. of the Congo and Rwanda, the band 41-44 MHz is also allocated to the aeronautical radionavigation service on a primary basis. (WRC-12)

5.161A Additional allocation: in Korea (Rep. of) and the United States, the frequency bands 41.015-41.665 MHz and 43.35-44 MHz are also allocated to the radiolocation service on a primary basis. Stations in the radiolocation service shall not cause harmful interference to, or claim protection from, stations operating in the fixed or mobile services. Applications of the radiolocation service are limited to oceanographic radars operating in accordance with Resolution 612 (Rev.WRC-12).

5.161B Alternative allocation: in Albania, Germany, Armenia, Austria, Belarus, Belgium,Bosnia and Herzegovina, Bulgaria, Cyprus, Vatican, Croatia, Denmark, Spain, Estonia, Finland, France, Greece, Hungary, Ireland, Iceland, Italy, Latvia, The Former Yugoslav Rep. of Macedonia, Liechtenstein, Lithuania, Luxembourg, Malta, Moldova, Monaco, Montenegro, Norway,Uzbekistan, Netherlands, Poland, Portugal, Kyrgyzstan, Slovakia, Czech Rep., Romania, United Kingdom, San Marino, Slovenia, Sweden, Switzerland, Turkey and Ukraine, the frequency band 42-42.5 MHz is allocated to the fixed and mobile services on a primary basis.

5.162 Additional allocation: in Australia, the band 44-47 MHz is also allocated to the broadcasting service on a primary basis. (WRC-12)

5.162A Additional allocation: in Germany, Austria, Belgium, Bosnia and Herzegovina, China, Vatican, Denmark, Spain, Estonia, the Russian Federation, Finland, France, Ireland, Iceland, Italy, Latvia, The Former Yugoslav Republic of Macedonia, Liechtenstein, Lithuania, Luxembourg, Monaco, Montenegro, Norway, the Netherlands, Poland, Portugal, the Czech Rep., the United Kingdom, Serbia, Slovenia, Sweden and Switzerland the band 46-68 MHz is also allocated to the radiolocation service on a secondary basis. This use is limited to the operation of wind profiler radars in accordance with Resolution 217 (WRC-97). (WRC-12)

5.163 Additional allocation: in Armenia, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Moldova, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the bands 47-48.5 MHz and 56.5-58 MHz are also allocated to the fixed and land mobile services on a secondary basis. (WRC-12)

5.164 Additional allocation: in Albania, Algeria, Germany, Austria, Belgium, Bosnia and Herzegovina, Botswana, Bulgaria, Côte d'Ivoire, Denmark, Spain, Estonia, Finland, France, Gabon, Greece, Ireland, Israel, Italy, Jordan, Lebanon, Libya, Liechtenstein, Lithuania, Luxembourg, Madagascar, Mali, Malta, Morocco, Mauritania, Monaco, Montenegro, Nigeria, Norway, the Netherlands, Poland, Syrian Arab Republic, Slovakia, Czech Rep., Romania, the United Kingdom, Serbia, Slovenia, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia and Turkey, the band 47-68 MHz, in South Africa the band 47-50 MHz, and in Latvia the band 48.5-56.5 MHz, are also allocated to the land mobile service on a primary basis. However, stations of the land mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, existing or planned broadcasting stations of countries other than those mentioned in connection with the band. (WRC-12)

5.165 Additional allocation: in Angola, Cameroon, Congo (Rep. of the), Madagascar, Mozambique, Niger, Somalia, Sudan, South Sudan, Tanzania and Chad, the band 47-68 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.166 Alternative allocation: in New Zealand, the band 50-51 MHz is allocated to the fixed and mobile services on a primary basis; the band 53-54 MHz is allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.169 Alternative allocation: in Botswana, Lesotho, Malawi, Namibia, the Dem. Rep. of the Congo, Rwanda, South Africa, Swaziland, Zambia and Zimbabwe, the band 50-54 MHz is allocated to the amateur service on a primary basis. In Senegal, the band 50-51 MHz is allocated to the amateur service on a primary basis. (WRC-12)

5.171 Additional allocation: in Botswana, Lesotho, Malawi, Mali, Namibia, Dem. Rep. of the Congo, Rwanda, South Africa, Swaziland, Zambia and Zimbabwe, the band 54-68 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.178 Additional allocation: in Colombia, Cuba, El Salvador, Guatemala, Guyana, Honduras and Nicaragua, the band 73-74.6 MHz is also allocated to the fixed and mobile services on a secondary basis. (WRC-12)

5.179 Additional allocation: in Armenia, Azerbaijan, Belarus, China, the Russian Federation, Georgia, Kazakhstan, Lithuania, Mongolia, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the bands 74.6-74.8 MHz and 75.2-75.4 MHz are also allocated to the aeronautical radionavigation service, on a primary basis, for ground-based transmitters only. (WRC-12)

5.180 The frequency 75 MHz is assigned to marker beacons. Administrations shall refrain from assigning frequencies close to the limits of the guardband to stations of other services which,

because of their power or geographical position, might cause harmful interference or otherwise place a constraint on marker beacons. Every effort should be made to improve further the characteristics of airborne receivers and to limit the power of transmitting stations close to the limits 74.8 MHz and 75.2 MHz.

5.194 *Additional allocation:* in Azerbaijan, Kyrgyzstan, Somalia and Turkmenistan, the band 104-108 MHz is also allocated to the mobile, except aeronautical mobile (R), service on a secondary basis. (WRC-07)

5.197 Additional allocation: in the Syrian Arab Republic, the band 108-111.975 MHz is also allocated to the mobile service on a secondary basis, subject to agreement obtained under No. 9.21. In order to ensure that harmful interference is not caused to stations of the aeronautical radionavigation service, stations of the mobile service shall not be introduced in the band until it is no longer required for the aeronautical radionavigation service by any administration which may be identified in the application of the procedures invoked under No. 9.21. (WRC-12)

5.197A *Additional allocation:* the band 108-117.975 MHz is also allocated on a primary basis to the aeronautical mobile (R) service, limited to systems operating in accordance with recognized international aeronautical standards. Such use shall be in accordance with Resolution **413 (Rev.WRC-07)**. The use of the band 108-112 MHz by the aeronautical mobile (R) service shall be limited to systems composed of ground-based transmitters and associated receivers that provide navigational information in support of air navigation functions in accordance with recognized international aeronautical standards. (WRC-07)

5.200 In the band 117.975-137 MHz, the frequency 121.5 MHz is the aeronautical emergency frequency and, where required, the frequency 123.1 MHz is the aeronautical frequency auxiliary to 121.5 MHz. Mobile stations of the maritime mobile service may communicate on these frequencies under the conditions laid down in Article **31** for distress and safety purposes with stations of the aeronautical mobile service. (WRC-07)

5.201 Additional allocation: in Angola, Armenia, Azerbaijan, Belarus, Bulgaria, Estonia, the Russian Federation, Georgia, Hungary, Iran (Islamic Republic of), Iraq, Japan, Kazakhstan, Latvia, Moldova, Mongolia, Mozambique, Uzbekistan, Papua New Guinea, Poland, Kyrgyzstan, Romania, Tajikistan, Turkmenistan and Ukraine, the band 132-136 MHz is also allocated to the aeronautical mobile (OR) service on a primary basis. In assigning frequencies to stations of the aeronautical mobile (OR) service, the administration shall take account of the frequencies assigned to stations in the aeronautical mobile (R) service. (WRC-12)

5.202 Additional allocation: in Saudi Arabia, Armenia, Azerbaijan, Belarus, Bulgaria, the United Arab Emirates, the Russian Federation, Georgia, Iran (Islamic Republic of), Jordan, Latvia, Oman, Uzbekistan, Poland, the Syrian Arab Republic, Kyrgyzstan, Romania, Tajikistan, Turkmenistan and Ukraine, the band 136-137 MHz is also allocated to the aeronautical mobile (OR) service on a primary basis. In assigning frequencies to stations of the aeronautical mobile (OR) service, the administration shall take account of the frequencies assigned to stations in the aeronautical mobile (R) service. (WRC-12)

5.206 Different category of service: in Armenia, Azerbaijan, Belarus, Bulgaria, Egypt, Finland, France, Georgia, Greece, Kazakhstan, **Lebanon**, Moldova, Mongolia, Uzbekistan, Poland, Kyrgyzstan, Syria, Slovakia, the Czech Republic, Romania, the Russian Federation, Tajikistan, Turkmenistan and Ukraine, the allocation of the band 137-138 MHz to the aeronautical mobile (OR) service is on a primary basis (see No. 5.33).

5.208 The use of the band 137-138 MHz by the mobile-satellite service is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A.

5.208A In making assignments to space stations in the mobile-satellite service in the bands 137-138 MHz, 387-390 MHz and 400.15-401 MHz, administrations shall take all practicable steps to protect the radio astronomy service in the bands 150.05-153 MHz, 322-328.6 MHz, 406.1-410 MHz and 608-614 MHz from harmful interference from unwanted emissions. The threshold levels of interference detrimental to the radio astronomy service are shown in the relevant ITU-R Recommendation. (WRC-07)

5.209 The use of the bands 137-138 MHz, 148-150.05 MHz, 399.9-400.05 MHz, 400.15-401 MHz, 454-456 MHz and 459-460 MHz by the mobile-satellite service is limited to non-geostationary-satellite systems.

5.210 *Additional allocation:* in Italy, the Czech Rep. and the United Kingdom, the bands 138-143.6 MHz and 143.65-144 MHz are also allocated to the space research service (space-to-Earth) on a secondary basis. (WRC-07)

5.211 Additional allocation: in Germany, Saudi Arabia, Austria, Bahrain, Belgium, Denmark, the United Arab Emirates, Spain, Finland, Greece, Ireland, Israel, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lebanon, Liechtenstein, Luxembourg, Mali, Malta, Montenegro, Norway, the Netherlands, Qatar, Slovakia, the United Kingdom, Serbia, Slovenia, Somalia, Sweden, Switzerland, Tanzania, Tunisia and Turkey, the band 138-144 MHz is also allocated to the maritime mobile and land mobile services on a primary basis. (WRC-12)

5.212 Alternative allocation: in Angola, Botswana, Cameroon, the Central African Rep.,Congo (Rep. of the), Gabon, Gambia, Ghana, Guinea, Iraq, Jordan, Lesotho, Liberia, Libya, Malawi,Mozambique, Namibia, Niger, Oman, Uganda, Syrian Arab Republic, the Dem. Rep. of the Congo, Rwanda Sierra Leone, South Africa, Swaziland, Chad, Togo, Zambia and Zimbabwe, the band 138-144 MHz is allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.214 Additional allocation: in Eritrea, Ethiopia, Kenya, The Former Yugoslav Republic of Macedonia, Montenegro, Serbia, Somalia, Sudan, South Sudan and Tanzania, the band 138- 144 MHz is also allocated to the fixed service on a primary basis. (WRC-12)

5.218 Additional allocation: the band 148 - 149.9 MHz is also allocated to the space operation service (Earth-to-space) on a primary basis, subject to agreement obtained under No. 9.21. The bandwidth of any individual transmission shall not exceed ± 25 kHz.

5.219 The use of the band 148 - 149.9 MHz by the mobile-satellite service is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A. The mobile-satellite service shall not constrain the development and use of the fixed, mobile and space operation services in the band 148 - 149.9 MHz.

5.220 The use of the bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz by the mobile-satellite service is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A. The mobile-satellite service shall not constrain the development and use of the radionavigation-satellite service in the bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz.

5.221 5.221 Stations of the mobile-satellite service in the band 148-149.9 MHz shall not cause harmful interference to, or claim protection from, stations of the fixed or mobile services operating in accordance with the Table of Frequency Allocations in the following countries: Albania, Algeria, Germany, Saudi Arabia, Australia, Austria, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Benin, Bosnia and Herzegovina, Botswana, Brunei Darussalam, Bulgaria, Cameroon, China, Cyprus, Congo (Rep. of the), Korea (Rep. of), Côte d'Ivoire, Croatia, Cuba, Denmark, Djibouti, Egypt, the United Arab Emirates, Eritrea, Spain, Estonia, Ethiopia, the Russian Federation, Finland, France, Gabon, Ghana, Greece, Guinea, Guinea Bissau, Hungary, India, Iran (Islamic Republic of), Ireland, Iceland, Israel, Italy, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lesotho, Latvia, Lebanon, Libya, Liechtenstein, Lithuania, Luxembourg, Malaysia, Mali, Malta, Mauritania, Moldova, Mongolia, Montenegro, Mozambique, Namibia, Norway, New Zealand, Oman, Uganda, Uzbekistan, Pakistan, Panama, Papua New Guinea, Paraguay, the Netherlands, the Philippines, Poland, Portugal, Qatar, the Syrian Arab Republic, Kyrgyzstan, Dem. People's Rep. of Korea, Slovakia, Romania, the United Kingdom, Senegal, Serbia, Sierra Leone, Singapore, Slovenia, Sudan, Sri Lanka, South Africa, Sweden, Switzerland, Swaziland, Tanzania, Chad, Thailand, Togo, Tonga, Trinidad and Tobago, Tunisia, Turkey, Ukraine, Viet Nam, Yemen, Zambia and Zimbabwe. (WRC-12)

5.222 Emissions of the radionavigation-satellite service in the bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz may also be used by receiving earth stations of the space research service.

5.222A The emissions of the fixed service and the fixed-satellite service in the band 18.6-18.8 GHz are limited to the values given in Nos. 21.5A and 21.16.2, respectively.

5.222B The use of the band 18.6-18.8 GHz by the fixed-satellite service is limited to geostationary systems and systems with an orbit of apogee greater than 20 000 km.

5.223 Recognising that the use of the band 149.9 - 150.05 MHz by the fixed and mobile services may cause harmful interference to the radionavigation-satellite service, administrations are urged not to authorise such use in application of No. 4.4.

5.224A The use of the bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz by the mobile-satellite service (Earth-to-space) is limited to the land mobile-satellite service (Earth-to-space) until 1 January 2015.

5.224B The allocation of the bands 149.9 - 150.05 MHz and 399.9 - 400.05 MHz to the radionavigation-satellite service shall be effective until 1 January 2015.

5.225A Additional allocation: in Algeria, Armenia, Azerbaijan, Belarus, China, the Russian Federation, France, Iran (Islamic Republic of), Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan,Turkmenistan, Ukraine and Viet Nam, the frequency band 154-156 MHz is also allocated to the radiolocation service on a primary basis. The usage of the frequency band 154-156 MHz by the radiolocation service shall be limited to space-object detection systems operating from terrestrial locations. The operation of stations in the radiolocation service in the frequency band 154-156 MHz shall be subject to agreement obtained under No. 9.21. For the identification of potentially affected administrations in Region 1, the instantaneous field-strength value of 12 dB(μV/m) for 10% of the time produced at 10 m above ground level in the 25 kHz reference frequency band at the border of the territory of any other administration shall be used. For the identification of potentially affected administrations in Region 3, the interference-to-noise ratio (I/N) value of −6 dB (N = −161 dBW/4 kHz), or −10 dB for applications with greater protection requirements, such aspublic protection and disaster relief (PPDR (N = −161 dBW/4 kHz)), for 1% of the time produced at 60 m above ground level at the border of the territory of any other administration shall be used. In the frequency bands 156.7625-156.8375 MHz, 156.5125-156.5375 MHz, 161.9625-161.9875 MHz, 162.0125-162.0375 MHz, out-of-band e.i.r.p. of space surveillance radars shall not exceed −16 dBW. Frequency assignments to the radiolocation service under this allocation in Ukraine shall not be used without the agreement of Moldova.

5.226 The frequency 156.8 MHz is the international distress, safety and calling frequency for the maritime mobile VHF radiotelephone service. The conditions for the use of this frequency and the band 156.7625-156.8375 MHz are contained in Article **31** and Appendix **18**. The frequency 156.525 MHz is the international distress, safety and calling frequency for the maritime mobile VHF radiotelephone service using digital selective calling (DSC). The conditions for the use of this frequency and the band 156.4875-156.5625 MHz are contained in Articles **31** and **52**, and in Appendix **18**. In the bands 156-156.4875 MHz, 156.5625-156.7625 MHz, 156.8375-157.45 MHz, 160.6-160.975 MHz and 161.475-162.05 MHz, each administration shall give priority to the maritime mobile service on only such frequencies as are assigned to stations of the maritime mobile service by the administration (see Articles **31** and **52**, and Appendix **18**). Any use of frequencies in these bands by stations of other services to which they are allocated should be avoided in areas where such use might cause harmful interference to the maritime mobile VHF radiocommunication service. However, the frequencies 156.8 MHz and 156.525 MHz and the frequency bands in which priority is given to the maritime mobile service may be used for radiocommunications on inland waterways subject to agreement between interested and affected administrations and taking into account current frequency usage and existing agreements. (WRC-07)

5.227 *Additional allocation:* the bands 156.4875-156.5125 MHz and 156.5375-156.5625 MHz are also allocated to the fixed and land mobile services on a primary basis. The use of these bands by the fixed and land mobile services shall not cause harmful interference to nor claim protection from the maritime mobile VHF radiocommunication service. (WRC-07)

5.227A (SUP - WRC-2012)

5.228 The use of the frequency bands 156.7625-156.7875 MHz and 156.8125-156.8375 MHz by the mobile-satellite service (Earth-to-space) is limited to the reception of automatic identification system (AIS) emissions of long-range AIS broadcast messages (Message 27, see the most recent version of Recommendation ITU-R M.1371). With the exception of AIS emissions, emissions in these frequency bands by systems operating in the maritime mobile service for communications shall not exceed 1 W.

5.228A The frequency bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz may be used by aircraft stations for the purpose of search and rescue operations and other safety-related communications.

5.228B The use of the frequency bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz by the fixed and land mobile services shall not cause harmful interference to, or claim protection from, the maritime mobile service.

5.228C The use of the frequency bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz by the maritime mobile service and the mobile-satellite (Earth-to-space) service is limited to the automatic identification system (AIS). The use of these frequency bands by the aeronautical mobile (OR) service is limited to AIS emissions from search and rescue aircraft operations. The AIS operations in these frequency bands shall not constrain the development and use of the fixed and mobile services operating in the adjacent frequency bands.

5.228D The frequency bands 161.9625-161.9875 MHz (AIS 1) and 162.0125-162.0375 MHz (AIS 2) may continue to be used by the fixed and mobile services on a primary basis until 1 January 2025, at which time this allocation shall no longer be valid. Administrations are encouraged to make all practicable efforts to discontinue the use of these bands by the fixed and mobile services prior to the transition date. During this transition period, the maritime mobile service in these frequency bands has priority over the fixed, land mobile and aeronautical mobile services.

5.228E The use of the automatic identification system in the frequency bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz by the aeronautical mobile (OR) service is limited to aircraft stations for the purpose of search and rescue operations and other safety-related communications.

5.228F The use of the frequency bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz by the mobile-satellite service (Earth-to-space) is limited to the reception of automatic identification system emissions from stations operating in the maritime mobile service.

5.231 Additional allocation: in Afghanistan and China, the band 167-174 MHz is also allocated to the broadcasting service on a primary basis. The introduction of the broadcasting service into this band shall be subject to agreement with the neighbouring countries in Region 3 whose services are likely to be affected. (WRC-12)

5.237 Additional allocation: in Congo (Rep. of the), Egypt, Eritrea, Ethiopia, Gambia, Guinea, Libya, Mali, Sierra Leone, Somalia and Chad, the band 174-223 MHz is also allocated to the fixed and mobile services on a secondary basis. (WRC-12)

5.4C02 *Additional allocation:* the bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz are also allocated to the mobilesatellite service (Earth-to-space) on a secondary basis for the reception of automatic identification system (AIS) emissions from stations operating in the maritime-mobile service (see Appendix **18**). (WRC-07)

5.254 The bands 235-322 MHz and 335.4-399.9 MHz may be used by the mobile-satellite service, subject to agreement obtained under No. 9.21, on condition that stations in this service do not cause harmful interference to those of other services operating or planned to be operated in accordance with the Table of Frequency Allocations except for the additional allocation made in footnote No. 5.BE03. (WRC 03)

5.255 The bands 312 - 315 MHz (Earth-to-space) and 387 - 390 MHz (space-to-Earth) in the mobile-satellite service may also be used by non-geostationary-satellite systems. Such use is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A.

5.256 The frequency 243 MHz is the frequency in this band for use by survival craft stations and equipment used for survival purposes.

5.257 The band 267 - 272 MHz may be used by administrations for space telemetry in their countries on a primary basis, subject to agreement obtained under No. 9.21.

5.258 The use of the band 328.6 - 335.4 MHz by the aeronautical radionavigation service is limited to Instrument Landing Systems (glide path).

5.259 Additional allocation: in Egypt and the Syrian Arab Republic, the band 328.6-335.4 MHz is also allocated to the mobile service on a secondary basis, subject to agreement obtained under No. 9.21. In order to ensure that harmful interference is not caused to stations of the aeronautical radionavigation service, stations of the mobile service shall not be introduced in the band until it is no longer required for the aeronautical radionavigation service by any administration which may be identified in the application of the procedure invoked under No. 9.21 . (WRC-12)

5.260 Recognising that the use of the band 399.9 - 400.05 MHz by the fixed and mobile services may cause harmful interference to the radionavigation satellite service, administrations are urged not to authorise such use in application of No. 4.4.

5.261 Emissions shall be confined in a band of ± 25 kHz about the standard frequency 400.1 MHz.

5.262 Additional allocation: in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Botswana, Colombia, Cuba, Egypt, the United Arab Emirates, Ecuador, the Russian Federation, Georgia, Hungary, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kazakhstan, Kuwait, Liberia, Malaysia, Moldova, Oman, Uzbekistan, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, Kyrgyzstan, Singapore, Somalia, Tajikistan, Chad, Turkmenistan and Ukraine, the band 400.05-401 MHz is also allocated to the fixed and mobile services on a primary basis . (WRC-12)

5.263 The band 400.15 - 401 MHz is also allocated to the space research service in the space-to-space direction for communications with manned space vehicles. In this application, the space research service will not be regarded as a safety service.

5.264 The use of the band 400.15 - 401 MHz by the mobile-satellite service is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A. The power flux-density limit indicated in Annex 2 of Resolution 46 (Rev. WRC-95)/Annex 1 of Appendix 5 shall apply until such time as a competent world radiocommunication conference revises it.

5.266 The use of the band 406 - 406.1 MHz by the mobile-satellite service is limited to low power satellite emergency position-indicating radiobeacons (see also Article 31).

5.267 Any emission capable of causing harmful interference to the authorised uses of the band 406 - 406.1 MHz is prohibited.

5.268 Use of the band 410-420 MHz by the space research service is limited to communications within 5 km of an orbiting, manned space vehicle. The power flux-density at the surface of the Earth produced by emissions from extra-vehicularactivities shall not exceed –153 dB(W/m2) for 0° ≤□_□≤□_□5°, □153 + 0.077 (≤□– 5) dB(W/m2) for 5° ≤□_□≤□_□70° and –148 dB(W/m2) for 70° ≤□_□≤□_□90°, where ≤□is the angle of arrival of the radio-frequency wave and the reference bandwidth is 4 kHz. No. 4.10 does not apply to extra-vehicular activities. In this frequency band the space research (space-to-space) service shall not claim protection from, nor constrain the use and development of, stations of the fixed and mobile services. (WRC-97)

5.272A (SUP - WRC-2012)

5.273 (SUP - WRC-2012)

5.274 Alternative allocation: in Denmark, Norway, Sweden and Chad, the bands 430-432 MHz and 438-440 MHz are allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.276 Additional allocation: in Afghanistan, Algeria, Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Burkina Faso, Djibouti, Egypt, the United Arab Emirates, Ecuador, Eritrea, Ethiopia, Greece, Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Italy, Jordan, Kenya, Kuwait, Libya, Malaysia, Niger, Nigeria, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, Switzerland, Tanzania, Thailand, Togo, Turkey and Yemen, the band 430-440 MHz is also allocated to the fixed service on a primary basis and the bands 430-435 MHz and 438-440 MHz are also allocated to the mobile, except aeronautical mobile, service on a primary basis. (WRC-12)

5.277 Additional allocation: in Angola, Armenia, Azerbaijan, Belarus, Cameroon, Congo (Rep. of the), Djibouti, the Russian Federation, Georgia, Hungary, Israel, Kazakhstan, Mali, Mongolia, Uzbekistan, Poland, the Dem. Rep. of the Congo, Kyrgyzstan, Slovakia, Romania, Rwanda Tajikistan, Chad, Turkmenistan and Ukraine, the band 430-440 MHz is also allocated to the fixed service on a primary basis. (WRC-12)

5.279A The use of this band by sensors in the Earth exploration-satellite service (EESS) (active) shall be in accordance with Recommendation ITU R SA.1260 1. Additionally, the EESS (active) in the band 432-438 MHz shall not cause harmful interference to the aeronautical radionavigation service in China. The provisions of this footnote in no way diminish the obligation of the EESS (active) to operate as a secondary service in accordance with Nos. 5.29 and 5.30. (WRC 03) 5.282 In the bands 435 - 438 MHz, 1 260 - 1 270 MHz, 2 400 - 2 450 MHz, 3 400 - 3 410 MHz (in Regions 2 and 3 only) and 5 650 - 5 670 MHz, the amateur-satellite service may operate subject to not causing harmful interference to other services operating in accordance with the Table (see No. 5.43). Administrations authorising such use shall ensure that any harmful interference caused by emissions from a station in the amateur-satellite service is immediately eliminated in accordance with the provisions of No. S25.11. The use of the bands 1 260 - 1 270 MHz and 5 650 - 5 670 MHz by the amateur-satellite service is limited to the Earth-to-space direction.

5.283 Additional allocation: in Austria, the band 438 - 440 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

5.286 The band 449.75 - 450.25 MHz may be used for the space operation service (Earth-to-space) and the space research service (Earth-to-space), subject to agreement obtained under No. 9.21.

5.286A The use of the bands 454 - 456 MHz and 459 - 460 MHz by the mobile-satellite service is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A.

5.286B The use of the band 454-455 MHz in the countries listed in No. 5.286D, 455-456 MHz and 459-460 MHz in Region 2, and 454-456 MHz and 459-460 MHz in the countries listed in No. 5.286E, by stations in the mobile-satellite service, shall not cause harmful interference to, or claim protection from, stations of the fixed or mobile services operating in accordance with the Table of Frequency Allocations.

5.XXX The band 450-470 MHz is identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). See Resolution **224 (Rev.WRC-07)**. This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. 5.287 In the maritime mobile service, the frequencies 457.525 MHz, 457.550 MHz, 457.575 MHz, 467.525 MHz, 467.550 MHz and 467.575 MHz may be used by on-board communication stations. Where needed, equipment designed for 12.5 kHz channel spacing using also the additional frequencies 457.5375 MHz, 457.5625 MHz, 467.5375 MHz and 467.5625 MHz may be introduced for on-board communications. The use of these frequencies in territorial waters may be subject to the national regulations of the administration concerned. The characteristics of the equipment used shall conform to those specified in Recommendation ITU-R M.1174

5.289 Earth exploration-satellite service applications, other than the meteorological-satellite service, may also be used in the bands 460 - 470 MHz and 1 690 - 1 710 MHz for space-to-Earth transmissions subject to not causing harmful interference to stations operating in accordance with the Table.

5.290 Different category of service: in Afghanistan, Azerbaijan, Belarus, China, the Russian Federation, Japan, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 460-470 MHz to the meteorological-satellite service (space-to-Earth) is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. (WRC-12)

5.293 Different category of service: in Canada, Chile, Cuba, the United States, Guyana, Honduras, Jamaica, Mexico, Panama and Peru, the allocation of the bands 470-512 MHz and 614-806 MHz to the fixed service is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. In Canada, Chile, Cuba, the United States, Guyana, Honduras, Jamaica, Mexico, Panama and Peru, the allocation of the bands 470-512 MHz and 614-698 MHz to the mobile service is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. In Argentina and Ecuador, the allocation of the band 470-512 MHz to the fixed and mobile services is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. (WRC-12)

5.294 Additional allocation: in Saudi Arabia, Cameroon, Côte d'Ivoire, Egypt, Ethiopia, Israel, Kenya, Libya, the Syrian Arab Republic, South Sudan, Chad and Yemen, the band 470-582 MHz is also allocated to the fixed service on a secondary basis. (WRC-12)

5.296 Additional allocation: in Albania, Germany, Saudi Arabia, Austria, Bahrain,Belgium,Benin, Bosnia and Herzegovina, Burkina Faso, Cameroon, Congo (Rep. of the), Côte d'Ivoire, Croatia, Denmark, Djibouti, Egypt, United Arab Emirates, Spain, Estonia, Finland, France, Gabon, Ghana, Iraq, Ireland, Iceland, Israel, Italy, Jordan, Kuwait, Latvia, The Former Yugoslav Republic of Macedonia, Libya, Liechtenstein, Lithuania, Luxembourg, Mali, Malta, Morocco, Moldova,Monaco, Niger, Norway, Oman, the Netherlands, Poland, Portugal, Qatar, the Syrian Arab Republic, Slovakia, the Czech Republic, the United Kingdom, Sudan, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia and Turkey, the band 470-790 MHz, and in Angola, Botswana, Lesotho, Malawi, Mauritius, Mozambique, Namibia, Nigeria, South Africa, Tanzania, Zambia and Zimbabwe, the band 470-698 MHz are also allocated on a secondary basis to the land mobile service, intended for applications ancillary to broadcasting. Stations of the land mobile service in the countries listed in this footnote shall not cause harmful interference to existing or planned stations operating in accordance with the Table in countries other than those listed in this footnote. (WRC-12)

5.300 Additional allocation: in Saudi Arabia, Cameroon, Egypt, United Arab Emirates, Israel, Jordan, Libya, Oman, Qatar, the Syrian Arab Republic, Sudan and South Sudan, the band 582-790 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a secondary basis. (WRC-12)

5.302 (SUP - WRC-2012)

5.306 Additional allocation: in Region 1, except in the African Broadcasting Area (see Nos. 5.10 to 5.13), and in Region 3, the band 608 - 614 MHz is also allocated to the radio astronomy service on a secondary basis.

5.311A For the frequency band 620-790 MHz, see also Resolution **[COM4/1] (WRC-07)**.

5.312 Additional allocation: in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 645-862 MHz, in Bulgaria the bands 646-686 MHz, 726-758 MHz, 766-814 MHz and 822-862 MHz, in Romania the band 830-862 MHz, and in Poland, the band 830-860 MHz until 31 December 2012 and the band 860-862 MHz until 31 December 2017, are also allocated to the aeronautical radionavigation service on a primary basis. (WRC-12)

5.312A In Region 1, the use of the band 694-790 MHz by the mobile, except aeronautical mobile, service is subject to the provisions of Resolution COM5/10 (WRC-12). See also Resolution 224 (Rev.WRC-12).

5.313A The band, or portions of the band 698-790 MHz, in Bangladesh, China, Korea (Rep. of), India, Japan, New Zealand, Pakistan, Papua New Guinea, Philippines and Singapore are identified for use by these administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. In China, the use of IMT in this band will not start until 2015. (WRC-12)

5.314 Additional allocation: in Austria, Italy, Moldova, Uzbekistan, Kyrgyzstan and the United Kingdom, the band 790-862 MHz is also allocated to the land mobile service on a secondary basis. (WRC-12)

5.315 Alternative allocation: in Greece, the band 790-838 MHz is allocated to the broadcasting service on a primary basis. (WRC-12)

5.316 *Additional allocation:* in Germany, Saudi Arabia, Bosnia and Herzegovina, Burkina Faso, Cameroon, Côte d'Ivoire, Croatia, Denmark, Egypt, Finland, Greece, Israel, the Libyan Arab Jamahiriya, Jordan, Kenya, The Former Yugoslav Republic of Macedonia, Liechtenstein, Mali, Monaco, Montenegro, Norway, the Netherlands, Portugal, the United Kingdom, the Syrian Arab Republic, Serbia,, Sweden and Switzerland, the band 790-830 MHz, and in these same countries and in Spain, France, Gabon and Malta, the band 830-862 MHz, are also allocated to the mobile, except aeronautical mobile, service on a primary basis. However, stations of the mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause harmful interference to, or claim protection from, stations of services operating in accordance with the Table in countries other than those mentioned in connection with the band. This allocation is effective until 16 June 2015. (WRC-07)

5.316A Additional allocation: in Spain, France, Gabon and Malta, the band 790-830 MHz, in Albania, Angola, Bahrain, Benin, Botswana, Burundi, Congo (Rep. of the), Egypt, United Arab Emirates, Estonia, Gambia, Ghana, Guinea, Guinea-Bissau, Hungary, Iraq, Kuwait, Lesotho, Latvia, Lebanon, Lithuania, Luxembourg, Malawi, Morocco, Mauritania, Mozambique, Namibia, Niger, Nigeria, Oman, Uganda, Poland, Qatar, Slovakia, Czech Rep., Romania, Rwanda, Senegal, Sudan, South Sudan, South Africa, Swaziland, Tanzania, Chad, Togo, Yemen, Zambia, Zimbabwe and French overseas departments and communities of Region 1, the band 790-862 MHz and in Georgia, the band 806-862 MHz, are also allocated to the mobile, except aeronautical mobile, service on a primary basis subject to the agreement by the administrations concerned obtained under No. 9.21 and under the GE06 Agreement, as appropriate, including those administrations mentioned in No. 5.312, where appropriate. See Resolutions 224 (Rev.WRC-12) and 749 (Rev.WRC-12). This allocation is effective until 16 June 2015. (WRC-12)

5.316B In Region 1, the allocation to the mobile, except aeronautical mobile, service on a primary basis in the frequency band 790-862 MHz shall come into effect from 17 June 2015 and shall be subject to agreement obtained under No. 9.21 with respect to the aeronautical radionavigation service in countries mentioned in No. 5.312. For countries party to the GE06 Agreement, the use of stations of the mobile service is also subject to the successful application of the procedures of that Agreement. Resolutions 224 (Rev.WRC-12) and 749 (Rev.WRC-12) shall apply, as appropriate. (WRC-12)

5.317A Those parts of the band 698-960 MHz in Region 2 and the band 790-960 MHz in Regions 1 and 3 which are allocated to the mobile service on a primary basis are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT) – see Resolutions 224 (Rev.WRC-12) and 749 (Rev.WRC-12), as appropriate. This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC-12)

5.XXX In Region 1, the allocation to the mobile, except aeronautical mobile, service on a primary basis in the frequency band 790-862 MHz shall come into effect from 17 June 2015 and shall be subject to agreement obtained under No. **9.21** with respect to the aeronautical radionavigation service in countries mentioned in No. **5.312**. For countries party to the GE06 Agreement, the use of stations of the mobile service is also subject to the successful application of the procedures of that Agreement. Resolution **224 (Rev.WRC-07)** and Resolution **[COM4/13] (Rev.WRC-07)** shall apply. (WRC-07)

5.UUU *Different category of service:* In Brazil, the allocation of the band 698-806 MHz to the mobile service is on a secondary basis (see No. **5.32**) (WRC07)

5.322 In Region 1, in the band 862-960 MHz, stations of the broadcasting service shall be operated only in the African Broadcasting Area (see Nos. 5.10 to 5.13) excluding Algeria, Burundi, Egypt, Spain, Lesotho, Libya, Morocco, Malawi, Namibia, Nigeria, South Africa, Tanzania, Zimbabwe and Zambia, subject to agreement obtained under No. 9.21. (WRC-12)

5.323 Additional allocation: in Armenia, Azerbaijan, Belarus, the Russian Federation,Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the band 862-960 MHz, in Bulgaria the bands 862-890.2 MHz and 900-935.2 MHz, in Poland the band 862-876 MHz until 31 December 2017, and in Romania the bands 862-880 MHz and 915-925 MHz, are also allocated to the aeronautical radionavigation service on a primary basis. Such use is subject to agreement obtained under No. 9.21 with administrations concerned and limited to ground-based radiobeacons in operation on 27 October 1997 until the end of their lifetime. (WRC-12)

5.327A The use of the frequency band 960-1 164 MHz by the aeronautical mobile (R) service is limited to systems that operate in accordance with recognized international aeronautical standards. Such use shall be in accordance with Resolution 417 (Rev.WRC-12). (WRC-12)

5.328 The use of the band 960-1 215 MHz by the aeronautical radionavigation service is reserved on a worldwide basis for the operation and development of airborne electronic aids to air navigation and any directly associated ground-based facilities.

5.328A Stations in the radionavigation-satellite service in the band 1 164-1 215 MHz shall operate in accordance with the provisions of Resolution 609 (Rev. WRC07) and shall not claim protection from stations in the aeronautical radionavigation service in the band 960-1 215 MHz. No. 5.43A does not apply. The provisions of No. 21.18 shall apply. (WRC 07)

5.328B The use of the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 MHz by systems and networks in the radionavigation-satellite service for which complete coordination or notification information, as appropriate, is received by the Radiocommunication Bureau after 1 January 2005 is subject to the application of the provisions of Nos. **9.12**, **9.12A** and **9.13**. Resolution **610 (WRC-03)** shall also apply; however, in the case of radionavigation-satellite service (space-tospace) networks and systems, Resolution **610 (WRC-03)** shall only apply to transmitting space stations. In accordance with No. **5.329A**, for systems and networks in the radionavigation-satellite service (space-to-space) in the bands 1 215-1 300 MHz and 1 559-1 610 MHz, the provisions of Nos. **9.7**, **9.12**, **9.12A** and **9.13** shall only apply with respect to other systems and networks in the radionavigation-satellite service (space-to-space). (WRC-07)

5.329 Use of the radionavigation-satellite service in the band 1 215-1 300 MHz shall be subject to the condition that no harmful interference is caused to, and no protection is claimed from, the radionavigation service authorized under No.

5.329A Use of systems in the radionavigation-satellite service (space-to-space) operating in the bands 1 215-1 300 MHz and 1 559-1 610 MHz is not intended to provide safety service applications, and shall not impose any additional constraints on radionavigation-satellite service (space to Earth) systems or on other services operating in accordance with the Table of Frequency Allocations

5.330 Additional allocation: in Angola, Saudi Arabia, Bahrain, Bangladesh, Cameroon, China, Djibouti, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Guyana, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Nepal, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, Somalia, Sudan, South Sudan, Chad, Togo and Yemen, the band 1 215-1 300 MHz is also allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.331 Additional allocation: in Algeria, Germany, Saudi Arabia, Australia, Austria, Bahrain, Belarus, Belgium, Benin, Bosnia and Herzegovina, Brazil, Burkina Faso, Burundi, Cameroon, China, Korea (Rep. of), Croatia, Denmark, Egypt, the United Arab Emirates, Estonia, the Russian Federation, Finland, France, Ghana, Greece, Guinea, Equatorial Guinea, Hungary, India, Indonesia, Iran (Islamic Republic of), Iraq, Ireland, Israel, Jordan, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lesotho, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, Madagascar, Mali, Mauritania, Montenegro, Nigeria, Norway, Oman, Pakistan, the Netherlands, Poland, Portugal, Qatar, the Syrian Arab Republic, Dem. People's Rep. of Korea, Slovakia, the United Kingdom, Serbia, Slovenia, Somalia, Sudan, South Sudan, Sri Lanka, South Africa, Sweden, Switzerland, Thailand, Togo, Turkey, Venezuela and Viet Nam, the band 1 215-1 300 MHz is also allocated to the radionavigation service on a primary basis. In Canada and the United States, the band 1 240-1 300 MHz is also allocated to the radionavigation service, and use of the radionavigation service shall be limited to the aeronautical radionavigation service. (WRC-12)

5.4B06 The use of the band 960-1 164 MHz by the aeronautical mobile (R) service is limited to systems that operate in accordance with recognized international aeronautical standards. Such use shall be in accordance with Resolution **[COM4/5] (WRC-07)**. (WRC-07)

5.332 In the band 1 215-1 260 MHz, active spaceborne sensors in the earth exploration-satellite and space research services shall not cause harmful interference to, claim protection from, or otherwise impose constraints on operation or development of the radiolocation service, the radionavigation-satellite service and other services allocated on a primary basis.

5.335A In the band 1 260-1 300 MHz, active spaceborne sensors in the Earth exploration-satellite and space research services shall not cause harmful interference to, claim protection from, or otherwise impose constraints on operation or development of the radiolocation service and other services allocated by footnotes on a primary basis.

5.337A The use of the band 1 300-1 350 MHz by earth stations in the radionavigation-satellite service and by stations in the radiolocation service shall not cause harmful interference to, nor constrain the operation and development of, the aeronautical-radionavigation service.

5.338 In Kyrgyzstan, Slovakia and Turkmenistan, existing installations of the radionavigation service may continue to operate in the band 1 350-1 400 MHz. (WRC-12)

5.338A In the bands 1 350-1 400 MHz, 1 427-1 452 MHz, 22.55-23.55 GHz, 30-31.3 GHz,49.7-50.2 GHz, 50.4-50.9 GHz, 51.4-52.6 GHz, 81-86 GHz and 92-94 GHz, Resolution 750 (Rev.WRC-12) applies. (WRC-12)

5.339 The bands 1 370 - 1 400 MHz, 2 640 - 2 655 MHz, 4 950 - 4 990 MHz and 15.20 - 15.35 GHz are also allocated to the space research (passive) and earth exploration-satellite (passive) services on a secondary basis.

5.340 All emissions are prohibited in the following bands: 1 400-1 427 MHz, 2 690-2 700 MHz, except those provided for by No. 5.422, 10.68-10.7 GHz, except those provided for by No. 5.483, 15.35-15.4 GHz, except those provided for by No. 5.511, 23.6-24 GHz, 31.3-31.5 GHz, 31.5-31.8 GHz, in Region 2, 48.94-49.04 GHz, from airborne stations, 50.2-50.4 GHz 2, 52.6-54.25 GHz, 86-92 GHz, 100-102 GHz, 109.5-111.8 GHz, 114.25-116 GHz, 148.5-151.5 GHz, 164-167 GHz, 182-185 GHz, 190-191.8 GHz, 200-209 GHz, 226-231.5 GHz, 250-252 GHz. (WRC 03)

5.341 In the bands 1 400 - 1 727 MHz, 101 - 120 GHz and 197 -220 GHz, passive research is being conducted by some countries in a programme for the search for intentional emissions of extraterrestrial origin.

5.342 Additional allocation: in Armenia, Azerbaijan, Belarus, the Russian Federation,Uzbekistan, Kyrgyzstan and Ukraine, the band 1 429-1 535 MHz, and in Bulgaria the band 1 525-1 535 MHz, are also allocated to the aeronautical mobile service on a primary basis exclusively for the purposes of aeronautical telemetry within the national territory. As of 1 April 2007, the use of the band 1 452-1 492 MHz is subject to agreement between the administrations concerned. (WRC-12)

5.345 Use of the band 1 452 - 1 492 MHz by the broadcasting-satellite service, and by the broadcasting service, is limited to digital audio broadcasting and is subject to the provisions of Resolution 528 (WARC-92).

5.347A In the bands: 137-138 MHz, 387-390 MHz, 400.15-401 MHz, 1 452-1 492 MHz, 1 525-1 559 MHz, 1559-1610 MHz, 1 613.8-1 626.5 MHz, 2 655-2 670 MHz, 2 670-2 690 MHz, 21.4-22.0 GHz Resolution 739 (Rev. WRC-07) applies.

5.348 The use of the band 1 518-1 525 MHz by the mobile-satellite service is subject to coordination under No. 9.11A. In the band 1 518-1 525 MHz stations in the mobile-satellite service shall not claim protection from the stations in the fixed service. No. 5.43A does not apply. (WRC-03)

5.348A In the band 1 518-1 525 MHz, the coordination threshold in terms of the power flux-density levels at the surface of the Earth in application of No. 9.11A for space stations in the mobile-satellite (space-to-Earth) service, with respect to the land mobile service use for specialized mobile radios or used in conjunction with public switched telecommunication networks (PSTN) operating within the territory of Japan, shall be –150 dB(W/m2) in any 4 kHz band for all angles of arrival, instead of those given in Table 5 2 of Appendix 5. In the band 1 518-1 525 MHz stations in the mobile-satellite service shall not claim protection from stations in the mobile service in the territory of Japan. No. 5.43A does not apply. (WRC-03)

5.348B In the band 1 518-1 525 MHz, stations in the mobile-satellite service shall not claim protection from aeronautical mobile telemetry stations in the mobile service in the territory of the United States (see Nos. 5.343 and 5.344) and in the countries listed in No. 5.342. No. 5.43A does not apply. (WRC-03)

5.349 *Different category of service:* in Saudi Arabia, Azerbaijan, Bahrain, Cameroon, Egypt, France, Iran (Islamic Republic of), Iraq, Israel, Kazakhstan, Kuwait, The Former Yugoslav Republic of Macedonia, Lebanon, Morocco, Qatar, Syrian Arab Republic, Kyrgyzstan, Turkmenistan and Yemen, the allocation of the band 1 525-1 530 MHz to the mobile, except aeronautical mobile, service is on a primary basis (see No. **5.33**). (WRC-07)

5.351 The bands 1 525 - 1 544 MHz, 1 545 - 1 559 MHz, 1 626.5 - 1 645.5 MHz and 1 646.5 - 1 660.5 MHz shall not be used for feeder links of any service. In exceptional circumstances, however, an earth station at a specified fixed point in any of the mobile-satellite services may be authorised by an administration to communicate via space stations using these bands.

5.351A For the use of the bands 1 518-1 544 MHz, 1 545-1 559 MHz, 1 610-1 626.5 MHz, 1 626.5-1 645.5 MHz, 1 646.5-1 660.5 MHz, 1 668-1 675 MHz, 1 980-2 010 MHz, 2 170-2 200 MHz, 2 483.5-2 500 MHz, 2 500-2 520 MHz and 2 670-2 690 MHz by the mobile-satellite service, see Resolutions **212 (Rev.WRC-07)** and **225 (Rev.WRC-07)**. (WRC-07)

5.352A In the band 1 525-1 530 MHz, stations in the mobile-satellite service, except stations in the maritime mobile-satellite service, shall not cause harmful interference to, or claim protection from, stations of the fixed service in France and French overseas communities of Region 3, Algeria,Saudi Arabia, Egypt, Guinea, India, Israel, Italy, Jordan, Kuwait, Mali, Morocco, Mauritania,Nigeria, Oman, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Tanzania, Viet Nam and Yemen notified prior to 1 April 1998. (WRC-12)

5.353A In applying the procedures of Section II of Article S9 to the mobile-satellite service in the bands 1 530-1 544 MHz and 1 626.5-1 645.5 MHz, priority shall be given to accommodating the spectrum requirements for distress, urgency and safety communications of the Global Maritime Distress and Safety System (GMDSS). Maritime mobile-satellite distress, urgency and safety communications shall have priority access and immediate availability over all other mobile satellite communications operating within a network. Mobile-satellite systems shall not cause unacceptable interference to, or claim protection from, distress, urgency and safety communications of the GMDSS. Account shall be taken of the priority of safety-related communications in the other mobile-satellite services. (The provisions of Resolution 222 (WRC-2000) shall apply.)

5.354 The use of the bands 1 525 - 1 559 MHz and 1 626.5 - 1 660.5 MHz by the mobile-satellite services is subject to coordination under Resolution 46 (Rev. WRC-97)/No. 9.11A.

5.355 Additional allocation: in Bahrain, Bangladesh, Congo (Rep. of the), Djibouti, Egypt, Eritrea, Iraq, Israel, Kuwait, Qatar, Syrian Arab Republic, Somalia, Sudan, South Sudan, Chad, Togo and Yemen, the bands 1 540-1 559 MHz, 1 610-1 645.5 MHz and 1 646.5-1 660 MHz are also allocated to the fixed service on a secondary basis. (WRC-12)

5.356 The use of the band 1 544 - 1 545 MHz by the mobile-satellite service (space-to-Earth) is limited to distress and safety communications (see Article 31).

5.357 Transmissions in the band 1 545 - 1 555 MHz from terrestrial aeronautical stations directly to aircraft stations, or between aircraft stations, in the aeronautical mobile (R) service are also authorised when such transmissions are used to extend or supplement the satellite –to-aircraft links.

5.357A In applying the procedures of Section II of Article 9 to the mobile-satellite service in the frequency bands 1 545-1 555 MHz and 1 646.5-1 656.5 MHz, priority shall be given to accommodating the spectrum requirements of the aeronautical mobile-satellite (R) service providing transmission of messages with priority 1 to 6 in Article 44. Aeronautical mobile-satellite (R) service communications with priority 1 to 6 in Article 44 shall have priority access and immediate availability, by pre-emption if necessary, over all other mobile-satellite communications operating within a network. Mobile-satellite systems shall not cause unacceptable interference to, or claim protection from, aeronautical mobile-satellite (R) service communications with priority 1 to 6 in Article 44. Account shall be taken of the priority of safety-related communications in the other mobile-satellite services. (The provisions of Resolution 222 (WRC-12) shall apply.) (WRC-12)

5.359 Additional allocation: in Germany, Saudi Arabia, Armenia, Austria, Azerbaijan, Belarus, Benin, Cameroon, the Russian Federation, France, Georgia, Greece, Guinea, Guinea-Bissau, Jordan, Kazakhstan, Kuwait, Lithuania, Mauritania, Uganda, Uzbekistan, Pakistan, Poland, the Syrian Arab Republic, Kyrgyzstan, the Dem. People's Rep. of Korea, Romania, Tajikistan, Tanzania, Tunisia, Turkmenistan and Ukraine, the bands 1 550-1 559 MHz, 1 610-1 645.5 MHz and 1 646.5-1 660 MHz are also allocated to the fixed service on a primary basis. Administrations are urged to make all practicable efforts to avoid the implementation of new fixed-service stations in these bands. (WRC-12)

5.362B Additional allocation: The band 1 559-1 610 MHz is also allocated to the fixed service on a primary basis until 1 January 2010 in Algeria, Saudi Arabia, Cameroon, Jordan, Mali, Mauritania, Syrian Arab Republic and Tunisia. After this date, the fixed service may continue to operate on a secondary basis until 1 January 2015, at which time this allocation shall no longer be valid. The band 1 559-1 610 MHz is also allocated to the fixed service on a secondary basis in Algeria, Armenia, Azerbaijan, Belarus, Benin, Russian Federation, Gabon, Georgia, Guinea, Guinea-Bissau, Kazakhstan, Lithuania, Nigeria, Uzbekistan, Pakistan, Poland, Kyrgyzstan, Dem. People's Rep. of Korea, Romania, Senegal, Tajikistan, Tanzania, Turkmenistan and Ukraine until 1 January 2015, at which time this allocation shall no longer be valid. Administrations are urged to take all practicable steps to protect the radionavigation-satellite service and the aeronautical radionavigation service and not authorize new frequency assignments to fixed-service systems in this band. (WRC-12)

5.362C Additional allocation: in Congo (Rep. of the), Eritrea, Iraq, Israel, Jordan, Qatar, the Syrian Arab Republic, Somalia, Sudan, South Sudan, Chad, Togo and Yemen, the band 1 559-1 610 MHz is also allocated to the fixed service on a secondary basis until 1 January 2015, at which time this allocation shall no longer be valid. Administrations are urged to take all practicable steps to protect the radionavigation-satellite service and not authorize new frequency assignments to fixed-service systems in this band. (WRC-12)

5.364 The use of the band 1 610 - 1 626.5 MHz by the mobile-satellite service (Earth-to-space) and by the radiodetermination satellite service (Earth-to-space) is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A. A mobile earth station operating in either of the services in this band shall not produce a peak e.i.r.p. density in excess of -15 dB(W/4 kHz) in the part of the band used by systems operating in accordance with the provisions of No.

5.366 (to which No. 4.10 applies), unless otherwise agreed by the affected administrations. In the part of the band where such systems are not operating, the mean e.i.r.p. density of a mobile earth station shall not exceed -3 dB(W/4 kHz). Stations of the mobile-satellite service shall not claim protection from stations in the aeronautical radionavigation service, stations operating in accordance with the provisions of No. 5.366 and stations in the fixed service operating in accordance with the provisions of No. 5.359. Administrations responsible for the coordination of mobile-satellite networks shall make all practicable efforts to ensure protection of stations operating in accordance with the provisions of No. 5.366.

5.365 The use of the band 1 613.8 - 1 626.5 MHz by the mobile-satellite service (space-to-Earth) is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A.

5.366 The band 1 610 - 1 626.5 MHz is reserved on a worldwide basis for the use and development of airborne electronic aids to air navigation and any directly associated ground-based or satellite-borne facilities. Such satellite use is subject to agreement obtained under No. 9.21.

5.367 Additional allocation: the bands 1 610 - 1 626.5 MHz and 5 000 - 5 150 MHz are also allocated to the aeronautical mobile-satellite (R) service on a primary basis, subject to agreement obtained under No. 9.21.

5.368 With respect to the radiodetermination-satellite and mobile-satellite services the provisions of No. 4.10 do not apply in the band 1 610 - 1 626.5 MHz, with the exception of the aeronautical radionavigation-satellite service.

5.369 Different category of service: in Angola, Australia, China, Eritrea, Ethiopia, India, Iran (Islamic Republic of), Israel, Lebanon, Liberia, Madagascar, Mali, Pakistan, Papua New Guinea, Syrian Arab Republic, the Dem. Rep. of the Congo, Sudan, South Sudan, Togo and Zambia, the allocation of the band 1 610-1 626.5 MHz to the radiodetermination-satellite service (Earth-to-space) is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21 from countries not listed in this provision. (WRC-12)

5.371 Additional allocation: in Region 1, the band 1 610-1 626.5 MHz (Earth-to-space) is also allocated to the radiodetermination-satellite service on a secondary basis, subject to agreement obtained under No. 9.21. (WRC-12)

5.372 Harmful interference shall not be caused to stations of the radio astronomy service using the band 1 610.6 - 1 613.8MHz by stations of the radiodetermination-satellite and mobile-satellite services (No. 29.13 applies).5.374 Mobile earth stations in the mobile-satellite service operating in the bands 1 631.5 - 1 634.5 MHz and 1 656.5 - 1 660 MHz shall not cause harmful interference to the stations in the fixed service operating in the countries listed in No. 5.359.

5.375 The use of the band 1 645.5 - 1 646.5 MHz by the mobile-satellite service (Earth-to-space) and for inter-satellite links is limited to distress and safety communications (see Article 31).

5.376 Transmissions in the band 1 646.5 - 1 656.5 MHz from aircraft stations in the aeronautical mobile (R) service directly to terrestrial aeronautical stations, or between aircraft stations, are also authorised when such transmissions are used to extend or supplement the aircraft-to-satellite links.

5.376A Mobile earth stations operating in the band 1 660-1 660.5 MHz shall not cause harmful interference to stations in the radio astronomy service.

5.379A Administrations are urged to give all practicable protection in the band 1 660.5 - 1 668.4 MHz for future research in radio astronomy, particularly by eliminating air-to-ground transmissions in the meteorological aids service in the band 1 664.4 1 668.4 MHz as soon as practicable.

5.379B The use of the band 1 668-1 675 MHz by the mobile-satellite service is subject to coordination under No. 9.11A. In the band 1668-1668.4 MHz, Resolution [COM5/1] (WRC07) shall apply.

5.379C In order to protect the radio astronomy service in the band 1 668-1 670 MHz, the aggregate power flux-density values produced by mobile earth stations in a network of the mobile-satellite service operating in this band shall not exceed –181 dB(W/m2) in 10 MHz and 194 dB(W/m2) in any 20 kHz at any radio astronomy station recorded in the Master International Frequency Register, for more than 2% of integration periods of 2 000 s. (WRC-03)

5.379D For sharing of the band 1 668.4-1 675 MHz between the mobile-satellite service and the fixed and mobile services, Resolution **744 (Rev.WRC-07)** shall apply. (WRC-07)

5.380A In the band 1 670-1 675 MHz, stations in the mobile-satellite service shall not cause harmful interference to, nor constrain the development of, existing earth stations in the meteorological-satellite service notified before 1 January 2004. Any new assignment to these earth stations in this band shall also be protected from harmful interference from stations in the mobilesatellite service. (WRC-07)

5.381 Additional allocation: in Afghanistan, Cuba, India, Iran (Islamic Republic of) and Pakistan, the band 1 690-1 700 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.382 Different category of service: in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Congo (Rep. of the), Egypt, the United Arab Emirates, Eritrea, Ethiopia, the Russian Federation, Guinea, Iraq, Israel, Jordan, Kazakhstan, Kuwait, the Former Yugoslav Republic of Macedonia, Lebanon, Mauritania, Moldova, Mongolia, Oman, Uzbekistan, Poland, Qatar, the Syrian Arab Republic, Kyrgyzstan, Somalia, Tajikistan, Tanzania, Turkmenistan, Ukraine and Yemen, the allocation of the band 1 690-1 700 MHz to the fixed and mobile, except aeronautical mobile, services is on a primary basis (see No. 5.33), and in the Dem. People's Rep. of Korea, the allocation of the band 1 690-1 700 MHz to the fixed service is on a primary basis (see No. 5.33) and to the mobile, except aeronautical mobile, service on a secondary basis. (WRC-12)

5.384A The bands, or portions of the bands, 1 710-1 885 MHz, 2 300-2 400 MHz and 2 500-2 690 MHz, are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT) in accordance with Resolution **223 (Rev.WRC-07)**. This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC-07).

5.385 Additional allocation: the band 1 718.8-1 722.2 MHz is also allocated to the radio astronomy service on a secondary basis for spectral line observations.

5.387 Additional allocation: in Belarus, Georgia, Kazakhstan, Kyrgyzstan, Romania, Tajikistan and Turkmenistan, the band 1 770-1 790 MHz is also allocated to the meteorological-satellite service on a primary basis, subject to agreement obtained under No. 9.21. (WRC-12)

5.388 The bands 1 885-2 025 MHz and 2 110-2 200 MHz are intended for use, on a worldwide basis, by administrations wishing to implement International Mobile Telecommunications-2000 (IMT-2000). Such use does not preclude the use of these bands by other services to which they are allocated. The bands should be made available for IMT-2000 in accordance with Resolution 212 (Rev.WRC-97). (See also Resolution 223 (WRC-2000).)

5.388A In Regions 1 and 3, the bands 1 885-1 980 MHz, 2 010-2 025 MHz and 2 110-2 170 MHz and, in Region 2, the bands 1 885-1 980 MHz and 2 110-2 160 MHz may be used by high altitude platform stations as base stations to provide International Mobile Telecommunications 2000 (IMT 2000), in accordance with Resolution 221 (Rev.WRC 03). Their use by IMT 2000 applications using high altitude platform stations as base stations does not preclude the use of these bands by any station in the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC 03)

5.388B In Algeria, Saudi Arabia, Bahrain, Benin, Burkina Faso, Cameroon, Comoros, Côte d'Ivoire, China, Cuba, Djibouti, Egypt, United Arab Emirates, Eritrea, Ethiopia, Gabon, Ghana, India, Iran (Islamic Republic of), Israel, Jordan, Kenya, Kuwait, Libya, Mali, Morocco, Mauritania, Nigeria, Oman, Uganda, Pakistan, Qatar, the Syrian Arab Republic, Senegal, Singapore, Sudan, South Sudan, Tanzania, Chad, Togo, Tunisia, Yemen, Zambia and Zimbabwe, for the purpose of protecting fixed and mobile services, including IMT-2000 mobile stations, in their territories from co-channel interference, a high altitude platform station (HAPS) operating as an IMT-2000 base station in neighbouring countries, in the bands referred to in No. 5.388A, shall not exceed a co-channel power flux-density of −127 dB(W/(m2 · MHz)) at the Earth's surface outside a country's borders unless explicit agreement of the affected administration is provided at the time of the notification of HAPS. (WRC-12)

5.389A The use of the bands 1 980-2 010 MHz and 2 170-2 200 MHz by the mobile-satellite service is subject to coordination under No. **9.11A** and to the provisions of Resolution **716 (Rev.WRC-2000)**. (WRC-07)

5.391 In making assignments to the mobile service in the bands 2 025-2 110 MHz and 2 200-2 290 MHz, administrations shall not introduce high-density mobile systems, as described in Recommendation ITU-R SA.1154, and shall take that Recommendation into account for the introduction of any other type of mobile system.

5.392 Administrations are urged to take all practicable measures to ensure that space-to-space transmissions between two or more non-geostationary satellites, in the space research, space operations and Earth exploration-satellite services in the bands 2 025 - 2 110 MHz and 2 200 - 2 290 MHz, shall not impose any constraints on Earth-to-space, space-to-Earth and other space-to-space transmissions of those services and in those bands between geostationary and nongeostationary satellites.

5.397 (SUP - WRC-2012)

5.398 In respect of the radiodetermination-satellite service in the band 2 483.5 - 2 500 MHz, the provisions of No. 4.10 do not apply.

5.398A Different category of service: In Armenia, Azerbaijan, Belarus, the Russian Federation, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan and Ukraine, the band 2 483.5-2 500 MHz is allocated on a primary basis to the radiolocation service. The radiolocation stations in these countries shall not cause harmful interference to, or claim protection from, stations of the fixed, mobile and mobile-satellite services operating in accordance with the Radio Regulations in the frequency band 2 483.5-2 500 MHz. (WRC-12)

5.399 Except for cases referred to in No. **5.401**, stations of the radiodetermination-satellite service operating in the frequency band 2 483.5-2 500 MHz for which notification information is received by the Bureau after 17 February 2012, and the service area of which includes Armenia, Azerbaijan, Belarus, the Russian Federation, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan and Ukraine, shall not cause harmful interference to, and shall not claim protection from stations of the radiolocation service operating in these countries in accordance with No. **5.398A**. (WRC-12)

5.400 (SUP - WRC-2012)

5.401 In Angola, Australia, Bangladesh, Burundi, China, Eritrea, Ethiopia, India, Iran (Islamic Republic of), Lebanon, Liberia, Libya, Madagascar, Mali, Pakistan, Papua New Guinea, Syrian Arab Republic, Dem. Rep. of the Congo, Sudan, Swaziland, Togo and Zambia, the band 2 483.5-2 500 MHz was already allocated on a primary basis to the radiodetermination-satellite service before WRC-12, subject to agreement obtained under No. 9.21 from countries not listed in this provision. Systems in the radiodetermination-satellite service for which complete coordination information has been received by the Radiocommunication Bureau before 18 February 2012 will retain their regulatory status, as of the date of receipt of the coordination request information. (WRC-12)

5.402 The use of the band 2 483.5 - 2 500 MHz by the mobile-satellite and the radiodetermination-satellite services is subject to the coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A. Administrations are urged to take all practicable steps to prevent harmful interference to the radio astronomy service from emissions in the 2 483.5 - 2 500 MHz band, especially those caused by second-harmonic radiation that would fall into the 4 990 -5 000 MHz band allocated to the radio astronomy service worldwide.

5.403 Subject to agreement obtained under No. 9.21, the band 2 520 - 2 535 MHz may also be used for the mobile-satellite (space-to-Earth), except aeronautical mobile-satellite, service for operation limited to within national boundaries. The provisions of No. 9.11A apply (WRC07).

5.405 (SUP - WRC-2012)

5.410 The band 2 500-2 690 MHz may be used for tropospheric scatter systems in Region 1, subject to agreement obtained under No. 9.21. No. 9.21 does not apply to tropospheric scatter links situated entirely outside Region 1. Administrations shall make all practicable efforts to avoid developing new tropospheric scatter systems in this band. When planning new tropospheric scatter radio-relay links in this band, all possible measures shall be taken to avoid directing the antennas of these links towards the geostationary-satellite orbit. (WRC-12) T

5.412 Alternative allocation: in Kyrgyzstan and Turkmenistan, the band 2 500-2 690 MHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12)

5.413 In the design of systems in the broadcasting-satellite service in the bands between 2 500 MHz and 2 690 MHz, administrations are urged to take all necessary steps to protect the radio astronomy service in the band 2 690 - 2 700 MHz.

5.414 The allocation of the frequency band 2 500 - 2 520 MHz to the mobile-satellite service (space-to-Earth) is subject to coordination under No. 9.11A (WRC-07).

5.4A01 In Japan and India, the use of the bands 2 500-2 520 MHz and 2 520-2 535 MHz, under No. **5.403**, by a satellite network in the mobile-satellite service (space-to-Earth) is limited to operation within national boundaries and subject to the application of No. **9.11A**. The following pfd values shall be used as a threshold for coordination under No. **9.11A**, for all conditions and for all methods of modulation, in an area of 1 000 km around the territory of the administration notifying the mobilesatellite service network:
-136 dB(W/(m2 · MHz)) for $0° \le \theta \le 5°$
$-136 + 0.55\ (\theta - 5)$ dB(W/(m2 · MHz)) for $5° < \theta \le 25°$
-125 dB(W/(m2 · MHz)) for $25° < \theta \le 90°$
where θ is the angle of arrival of the incident wave above the horizontal plane, in degrees. Outside this area Table **21-4** of Article **21** shall apply. Furthermore, the coordination thresholds in Table 5-2 of Annex 1 to Appendix **5** of the Radio Regulations (edition of 2004), in conjunction with the applicable provisions of Articles **9** and **11** associated with No. **9.11A**, shall apply to systems for which complete notification information has been received by the Radicommunication Bureau by 14 November 2007 and that have been brought into use by that date. (WRC-07)

5.416 The use of the band 2 520-2 670 MHz by the broadcasting-satellite service is limited to national and regional systems for community reception, subject to agreement obtained under No. **9.21**. The provisions of No. **9.19** shall be applied by administrations in this band in their bilateral and multilateral negotiations. (WRC-07)

5.417C Use of the band 2 605-2 630 MHz by non geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.418bis, for which complete Appendix 4 coordination information, or notification information, has been received after 4 July 2003, is subject to the application of the provisions of No. 9.12. (WRC 03)

5.417D Use of the band 2 605-2 630 MHz by geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, has been received after 4 July 2003 is subject to the application of the provisions of No. 9.13 with respect to non geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.418bis, and No. 22.2 does not apply. (WRC 03) 5.418B Use of the band 2 630-2 655 MHz by non geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.418, for which complete Appendix 4 coordination information, or notification information, has been received after 2 June 2000, is subject to the application of the provisions of No. 9.12. (WRC 03)

5.418 Additional allocation: in Korea (Rep. of), India, Japan and Thailand, the band 2 535-2 655 MHz is also allocated to the broadcasting-satellite service (sound) and complementary terrestrial broadcasting service on a primary basis. Such use is limited to digital audio broadcasting and is subject to the provisions of Resolution 528 (Rev.WRC-03). The provisions of No. 5.416 and Table 21-4 of Article 21, do not apply to this additional allocation. Use of non-geostationary-satellite systems in the broadcasting-satellite service (sound) is subject to Resolution 539 (Rev.WRC-03). Geostationary broadcasting-satellite service (sound) systems for which complete Appendix 4 coordination information has been received after 1 June 2005 are limited to systems intended for national coverage. The power flux-density at the Earth's surface produced by emissions from a geostationary broadcasting-satellite service (sound) space station operating in the band 2 630-2 655 MHz, and for which complete Appendix 4 coordination information has been received after 1 June 2005, shall not exceed the following limits, for all conditions and for all methods of modulation:

-130 dB(W/(m2 · MHz)) for $0° \leq \theta \leq 5°$

$-130 + 0.4 (\theta - 5)$ dB(W/(m2 · MHz)) for $5° < \theta \leq 25°$

-122 dB(W/(m2 · MHz)) for $25° < \theta \leq 90°$

where θ is the angle of arrival of the incident wave above the horizontal plane, in degrees. These limits may be exceeded on the territory of any country whose administration has so agreed. As an exception to the limits above, the pfd value of −122 dB(W/(m2· MHz)) shall be used as a threshold for coordination under No. 9.11 in an area of 1 500 km around the territory of the administration notifying the broadcasting-satellite service (sound) system. In addition, an administration listed inthis provision shall not have simultaneously two overlapping frequency assignments, one under this provision and the other under No. 5.416 for systems for which complete Appendix 4 coordination information has been received after 1 June 2005. (WRC-12)

5.418C Use of the band 2 630 2 655 MHz by geostationary-satellite networks for which complete Appendix 4 coordination information, or notification information, has been received after 2 June 2000 is subject to the application of the provisions of No. 9.13 with respect to non geostationary-satellite systems in the broadcasting-satellite service (sound), pursuant to No. 5.418 and No. 22.2 does not apply. (WRC 03)

5.419 When introducing systems of the mobile-satellite service in the band 2 670-2 690 MHz, administrations shall take all necessary steps to protect the satellite systems operating in this band prior to 3 March 1992. The coordination of mobilesatellite systems in the band shall be in accordance with No. **9.11A**. (WRC-07)

5.420 The band 2 655 - 2 670 MHz (until 1 January 2005 the band 2 655 - 2 690 MHz) may also be used for the mobilesatellite (Earth-to-space), except aeronautical mobile-satellite, service for operation limited to within national boundaries, subject to agreement obtained under No. 9.21. The coordination under No. 9.11A applies.

5.422 Additional allocation: in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Brunei Darussalam, Congo (Rep. of the), Côte d'Ivoire, Cuba, Djibouti, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Gabon, Georgia, Guinea, Guinea-Bissau, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kuwait, Lebanon, Mauritania, Mongolia, Montenegro, Nigeria, Oman, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Kyrgyzstan, the Dem. Rep. of the Congo, Romania, Somalia, Tajikistan, Tunisia, Turkmenistan, Ukraine and Yemen, the band 2 690-2 700 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. Such use is limited to equipment in operation by 1 January 1985. (WRC-12)

5.423 In the band 2 700 - 2 900 MHz, ground-based radars used for meteorological purposes are authorised to operate on a basis of equality with stations of the aeronautical radionavigation service.

5.424A In the band 2 900-3 100 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the radionavigation service. (WRC 03)

5.425 In the band 2 900 - 3 100 MHz, the use of the shipborne interrogator-transponder system (SIT) shall be confined to the sub-band 2 930 -2 950 MHz.

5.426 The use of the band 2 900 - 3 100 MHz by the aeronautical radionavigation service is limited to ground-based radars.

5.427 In the bands 2 900 - 3 100 MHz and 9 300 - 9 500 MHz, the response from radar transponders shall not be capable of being confused with the response from radar beacons (racons) and shall not cause interference to ship or aeronautical radars in the radionavigation service, having regard, however, to No. 4.9 of these Regulations.

5.428 Additional allocation: in Azerbaijan, Mongolia, Kyrgyzstan and Turkmenistan, the band 3 100-3 300 MHz is also allocated to the radionavigation service on a primary basis. (WRC-12)

5.429 Additional allocation: in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Korea (Rep. of), Côte d'Ivoire, Egypt, the United Arab Emirates, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kenya, Kuwait, Lebanon, Libya, Malaysia, Oman, Uganda, Pakistan, Qatar, the Syrian Arab Republic, the Dem. Rep. of the Congo, the Dem. People's Rep. of Korea and Yemen, the band 3 300-3 400 MHz is also allocated to the fixed and mobile services on a primary basis. The countries bordering the Mediterranean shall not claim protection for their fixed and mobile services from the radiolocation service. (WRC-12)

5.430 Additional allocation: in Azerbaijan, Mongolia, Kyrgyzstan and Turkmenistan, the band 3 300-3 400 MHz is also allocated to the radionavigation service on a primary basis. (WRC-12)

5.430A Different category of service: in Albania, Algeria, Germany, Andorra, Saudi Arabia,Austria, Azerbaijan, Bahrain, Belgium, Benin, Bosnia and Herzegovina, Botswana, Bulgaria, Burkina Faso, Cameroon, Cyprus, Vatican, Congo (Rep. of the), Côte d'Ivoire, Croatia, Denmark, Egypt, Spain, Estonia, Finland, France and French overseas departments and communities in Region 1, Gabon, Georgia, Greece, Guinea, Hungary, Ireland, Iceland, Israel, Italy, Jordan, Kuwait, Lesotho, Latvia, The Former Yugoslav Republic of Macedonia, Liechtenstein, Lithuania, Malawi, Mali, Malta, Morocco, Mauritania, Moldova, Monaco, Mongolia, Montenegro, Mozambique, Namibia, Niger, Norway, Oman, Netherlands, Poland, Portugal, Qatar, the Syrian Arab Republic, the Dem. Rep. of the Congo, Slovakia, Czech Rep., Romania, United Kingdom, San Marino, Senegal, Serbia, Sierra Leone, Slovenia, South Africa, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia, Turkey, Ukraine, Zambia and Zimbabwe, the band 3 400-3 600 MHz is allocated to the mobile, except aeronautical mobile, service on a primary basis subject to agreement obtained under No. 9.21 with other administrations and is identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. At the stage of coordination the provisions of Nos. 9.17 and 9.18 also apply. Before an administration brings into use a (base or mobile) station of the mobile service in this band, it shall ensure that the power flux-density (pfd) produced at 3 m above ground does not exceed −154.5 dB(W/(m2· 4 kHz)) for more than 20% of time at the border of the territory of any other administration. This limit may be exceeded on the territory of any country whose administration has so agreed. In order to ensure that the pfd limit at the border of the territory of any other administration is met, the calculations and verification shall be made, taking into account all relevant information, with the mutual agreement of both administrations (the administration responsible for the terrestrial station and the administration responsible for the earth station), with the assistance of the Bureau if so requested. In case of disagreement, the calculation and verification of the pfd shall be made by the Bureau, taking into account the information referred to above. Stations of the mobile service in the band 3 400-3 600 MHz shall not claim more protection

from space stations than that provided in Table 21-4 of the Radio Regulations (Edition of 2004). This allocation is effective from 17 November 2010. (WRC-12)

5.438 Use of the band 4 200 - 4 400 MHz by the aeronautical radionavigation service is reserved exclusively for radio altimeters installed on board aircraft and for the associated transponders on the ground. However, passive sensing in the earth exploration-satellite and space research services may be authorised in this band on a secondary basis (no protection is provided by the radio altimeters).

5.439 Additional allocation: in Iran (Islamic Republic of), the band 4 200-4 400 MHz is also allocated to the fixed service on a secondary basis. (WRC-12)

5.440 The standard frequency and time signal-satellite service may be authorised to use the frequency 4 202 MHz for space-to-Earth transmissions and the frequency 6 427 MHz for Earth-to-space transmissions. Such transmissions shall be confined within the limits of 2 MHz of these frequencies, subject to agreement obtained under No. 9.21.

5.441 The use of the bands 4 500-4 800 MHz (space-to-Earth), 6 725-7 025 MHz (Earth-to-space) by the fixed-satellite service shall be in accordance with the provisions of Appendix 30B. The use of the bands 10.7-10.95 GHz (space-to-Earth), 11.2-11.45 GHz (space-to-Earth) and 12.75-13.25 GHz (Earth-to-space) by geostationary-satellite systems in the fixedsatellite service shall be in accordance with the provisions of Appendix 30B. The use of the bands 10.7-10.95 GHz (space-to Earth), 11.2-11.45 GHz (space-to-Earth) and 12.75-13.25 GHz (Earth-to-space) by a non-geostationarysatellite system in the fixed-satellite service is subject to application of the provisions of No. 9.12 for coordination with other non-geostationary-satellite systems in the fixed-satellite service. Non-geostationary-satellite system in the fixedsatellite service shall not claim protection from geostationary-satellite networks in the fixed-satellite service operating in accordance with the Radio Regulations, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-GSO FSS systems and of the complete coordination or notification information, as appropriate, for the GSO networks, and No. 5.43A does not apply. Non-geostationarysatellite systems in the fixed-satellite service in the above bands shall be operated in such a way that any unacceptable interference that may occur during their operation shall be rapidly eliminated.

5.442 In the bands 4 825-4 835 MHz and 4 950-4 990 MHz, the allocation to the mobile service is restricted to the mobile, except aeronautical mobile, service. In Region 2 (except Brazil, Cuba, Guatemala, Paraguay, Uruguay and Venezuela), and in Australia, the band 4 825-4 835 MHz is also allocated to the aeronautical mobile service, limited to aeronautical mobile telemetry for flight testing by aircraft stations. Such use shall be in accordance with Resolution **[COM4/2] (WRC-07)** and shall not cause harmful interference to the fixed service. (WRC-07)

5.443AA In the frequency bands 5 000-5 030 MHz and 5 091-5 150 MHz, the aeronautical mobile-satellite (R) service is subject to agreement obtained under No. 9.21. The use of these bands by the aeronautical mobile-satellite (R) service is limited to internationally standardized aeronautical systems.

5.443B In order not to cause harmful interference to the microwave landing system operating above 5 030 MHz, the aggregate power flux-density produced at the Earth's surface in the band 5 030-5 150 MHz by all the space stations within any radionavigation-satellite service system (space-to-Earth) operating in the band 5 010-5 030 MHz shall not exceed −124.5 dB(W/m2) in a 150 kHz band. In order not to cause harmful interference to the radio astronomy service in the band 4 990-5 000 MHz, radionavigation-satellite service systems operating in the band 5 010-5 030 MHz shall comply with the limits in the band 4 990-5 000 MHz defined in Resolution 741 (Rev.WRC-12). (WRC-12)

5.443C The use of the frequency band 5 030-5 091 MHz by the aeronautical mobile (R) service is limited to internationally standardized aeronautical systems. Unwanted emissions from the aeronautical mobile (R) service in the frequency band 5 030-5 091 MHz shall be limited to protect RNSS system downlinks in the adjacent 5 010-5 030 MHz band. Until such time that an appropriate value is established in a relevant ITU-R Recommendation, the e.i.r.p. density limit of −75 dBW/MHz in the frequency band 5 010-5 030 MHz for any AM(R)S station unwanted emission should be used. (WRC-12)

5.443D In the frequency band 5 030-5 091 MHz, the aeronautical mobile-satellite (R) service is subject to coordination under No. 9.11A. The use of this frequency band by the aeronautical mobile-satellite (R) service is limited to internationally standardized aeronautical systems.

5.444 The frequency band 5 030-5 150 MHz is to be used for the operation of the international standard system (microwave landing system) for precision approach and landing. In the frequency band 5 030-5 091 MHz, the requirements of this system shall have priority over other uses of this band. For the use of the frequency band 5 091-5 150 MHz, No. 5.444A and Resolution 114 (Rev.WRC-12) apply. (WRC-12)

5.444A *Additional allocation:* the band 5 091-5 150 MHz is also allocated to the fixed-satellite service (Earth-to-space) on a primary basis. This allocation is limited to feeder links of non-geostationary mobile-satellite systems in the mobile-satellite service and is subject to coordination under No. **9.11A**. In the band 5 091-5 150 MHz, the following conditions also apply: – prior to 1 January 2018, the use of the band 5 091-5 150 MHz by feeder links of non-geostationary-satellite systems in the mobile-satellite service shall be made in accordance with Resolution **114 (Rev.WRC-03)**; – prior to 1 January 2018, the requirements of existing and planned international standard systems for the aeronautical radionavigation service which cannot be met in the 5 000-5 091 MHz band, shall take precedence over other uses of this band; – after 1 January 2016, no new assignments shall be made to earth stations providing feeder links of non-geostationary mobile-satellite systems; – after 1 January 2018, the fixed-satellite service will become secondary to the aeronautical radionavigation service. (WRC-07)

5.444B The use of the frequency band 5 091-5 150 MHz by the aeronautical mobile service is limited to:
– systems operating in the aeronautical mobile (R) service and in accordance with international aeronautical standards, limited to surface applications at airports. Such use shall be in accordance with Resolution 748 (Rev.WRC-12);
– aeronautical telemetry transmissions from aircraft stations (see No. 1.83) in accordance with Resolution 418 (Rev.WRC-12). (WRC-12)

5.4B03 The use of the band 5 091-5 150 MHz by the aeronautical mobile service is limited to: – systems operating in the aeronautical mobile (R) service and in accordance with international aeronautical standards, limited to surface applications at airports. Such use shall be in accordance with Resolution **[COM4/4] (WRC-07)**; – aeronautical telemetry transmissions from aircraft stations (see No. **1.83**) in accordance with Resolution **[COM4/7] (WRC-07)**; – aeronautical security transmissions. Such use shall be in accordance with Resolution **[COM4/8] (WRC-07)**. (WRC-07)

5.4B04 *Additional allocation:* in Region 1 (except in Algeria, Saudi Arabia, Bahrain, Egypt, United Arab Emirates, Jordan, Kuwait, Lebanon, Morocco, Oman, Qatar, Syrian Arab Republic, Sudan and Tunisia) and in Brazil, the band 5 150- 5 250 MHz is also allocated to the aeronautical mobile service on a primary basis, limited to aeronautical telemetry transmissions from aircraft stations (see No. **1.83**), in accordance with Resolution **[COM4/7] (WRC-07)**. These stations shall not claim protection from other stations operating in accordance with Article **5**. No. **5.43A** does not apply. (WRC-07)

5.446 Additional allocation: in the countries listed in No. 5.369, the band 5 150-5 216 MHz is also allocated to the radiodetermination-satellite service (space-to-Earth) on a primary basis, subject to agreement obtained under No. 9.21. In Region 2, the band is also allocated to the radiodetermination-satellite service (space-to-Earth) on a primary basis. In Regions 1 and 3, except those countries listed in No. 5.369 and Bangladesh, the band is also allocated to the radiodetermination-satellite service (space-to-Earth) on a secondary basis. The use by the radiodetermination-satellite service is limited to feeder links in conjunction with the radiodetermination-satellite service operating in the bands 1 610-1 626.5 MHz and/or 2 483.5-2 500 MHz. The total power flux-density at the Earth's surface shall in no case exceed −159 dB(W/m 2) in any 4 kHz band for all angles of arrival. (WRC-12)

5.446A The use of the bands 5 150-5 350 MHz and 5 470-5 725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution 229 (Rev.WRC-12). (WRC-12)

5.446B In the band 5 150-5 250 MHz, stations in the mobile service shall not claim protection from earth stations in the fixedsatellite service. No. 5.43A does not apply to the mobile service with respect to fixed-satellite service earth stations. (WRC 03)

5.446C Additional allocation: in Region 1 (except in Algeria, Saudi Arabia, Bahrain, Egypt, United Arab Emirates, Jordan, Kuwait, Lebanon, Morocco, Oman, Qatar, Syrian Arab Republic, Sudan, South Sudan and Tunisia) and in Brazil, the band 5 150-5 250 MHz is also allocated to the aeronautical mobile service on a primary basis, limited to aeronautical telemetry transmissions from aircraft stations (see No. 1.83), in accordance with Resolution 418 (WRC-07). These stations shall not claim protection from other stations operating in accordance with Article 5. No. 5.43A does not apply. (WRC-12)

5.447 Additional allocation: in Côte d'Ivoire, Egypt, Israel, Lebanon, the Syrian Arab Republic and Tunisia, the band 5 150-5 250 MHz is also allocated to the mobile service, on a primary basis, subject to agreement obtained under No. 9.21. In this case, the provisions ofResolution 229 (Rev.WRC-12) do not apply. (WRC-12)

5.447A The allocation to the fixed-satellite service (Earth-to-space) is limited to feeder links of non-geostationary-satellite systems in the mobile-satellite service and is subject to coordination under Resolution 46 (Rev.WRC-97)/ No. 9.11A.

5.447B Additional allocation: the band 5 150 - 5 216 MHz is also allocated to the fixed-satellite service (space-to-Earth) on a primary basis. This allocation is limited to feeder links of non-geostationary-satellite systems in the mobile-satellite service and is subject to provisions of Resolution 46 (Rev.WRC-97)/ No. 9.11A. The power flux-density at the Earth's surface produced by space stations of the fixed-satellite service operating in the space-to-Earth direction in the band 5 150 - 5 216 MHz shall in no case exceed -164 dB(W/m²) in any 4 kHz band for all angles of arrival.

5.447C Administrations responsible for fixed-satellite service networks in the band 5 150 - 5 250 MHz operated under Nos. 5.447A and 5.447B shall coordinate on an equal basis in accordance with Resolution 46 (Rev.WRC-97)/No. 9.11A with administrations responsible for non-geostationary-satellite networks operated under No. 5.446 and brought into use prior to 17 November 1995. Satellite networks operated under No. 5.446 brought into use after 17 November 1995 shall not claim protection from, and shall not cause harmful interference to, stations of the fixed-satellite service operated under Nos. 5.447A and 5.447B.

5.447D The allocation of the band 5 250 - 5 255 MHz to the space research service on a primary basis is limited to active spaceborne sensors. Other uses of the band by the space research service are on a secondary basis.

5.447F In the band 5 250-5 350 MHz, stations in the mobile service shall not claim protection from the radiolocation service, the Earth exploration-satellite service (active) and the space research service (active). These services shall not impose on the mobile service more stringent protection criteria, based on system characteristics and interference criteria, than those stated in Recommendations ITU R M.1638 and ITU R SA.1632. (WRC 03)

5.448 Additional allocation: in Azerbaijan, Kyrgyzstan, Romania and Turkmenistan, the band 5 250-5 350 MHz is also allocated to the radionavigation service on a primary basis. (WRC-12)

5.448A The Earth exploration-satellite (active) and space research (active) services in the frequency band 5 250-5 350 MHz shall not claim protection from the radiolocation service. No. 5.43A does not apply. (WRC-03)

5.448B The Earth exploration-satellite service (active) operating in the band 5 350-5 570 MHz and space research service (active) operating in the band 5 460-5 570 MHz shall not cause harmful interference to the aeronautical radionavigation service in the band 5 350-5 460 MHz, the radionavigation service in the band 5 460-5 470 MHz and the maritime radionavigation service in the band 5 470-5 570 MHz. (WRC 03)

5.448C The space research service (active) operating in the band 5 350-5 460 MHz shall not cause harmful interference to nor claim protection from other services to which this band is allocated. (WRC 03)

5.448D In the frequency band 5 350-5 470 MHz, stations in the radiolocation service shall not cause harmful interference to, nor claim protection from, radar systems in the aeronautical radionavigation service operating in accordance with No. 5.449. (WRC 03)

5.449 The use of the band 5 350 - 5 470 MHz by the aeronautical radionavigation service is limited to airborne radars and associated airborne beacons.

5.450 Additional allocation: in Austria, Azerbaijan, Iran (Islamic Republic of), Kyrgyzstan, Romania, Turkmenistan and Ukraine, the band 5 470-5 650 MHz is also allocated to the aeronautical radionavigation service on a primary basis. (WRC-12)

5.450A In the band 5 470-5 725 MHz, stations in the mobile service shall not claim protection from radiodetermination services. Radiodetermination services shall not impose on the mobile service more stringent protection criteria, based on system characteristics and interference criteria, than those stated in Recommendation ITU R M.1638. (WRC 03)

5.450B In the frequency band 5 470-5 650 MHz, stations in the radiolocation service, except ground-based radars used for meteorological purposes in the band 5 600-5 650 MHz, shall not cause harmful interference to, nor claim protection from, radar systems in the maritime radionavigation service. (WRC 03)

5.451 Additional allocation: in the United Kingdom, the band 5 470 -5 850 MHz is also allocated to the land mobile service on a secondary basis. The power limits specified in Nos. 21.2, 21.3, 21.4 and 21.5 shall apply in the band 5 725 - 5 850 MHz.

5.452 Between 5 600 MHz and 5 650 MHz, ground-based radars used for meteorological purposes are authorised to operate on a basis of equality with stations of the maritime radionavigation service.

5.453 Additional allocation: in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Korea (Rep. of), Côte d'Ivoire, Djibouti, Egypt, the United Arab Emirates, Gabon, Guinea, Equatorial Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kenya, Kuwait, Lebanon, Libya, Madagascar, Malaysia, Niger, Nigeria, Oman, Uganda, Pakistan, the Philippines, Qatar, the Syrian Arab **Republic, the Dem. People's**

Rep. of Korea, Singapore, Sri Lanka, Swaziland, Tanzania, Chad, Thailand, Togo, Viet Nam and Yemen, the band 5 650-5 850 MHz is also allocated to the fixed and mobile services on a primary basis. In this case, the provisions of Resolution 229 (Rev.WRC-12) do not apply. (WRC-12)

5.454 Different category of service: in Azerbaijan, the Russian Federation, Georgia, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 5 670-5 725 MHz to the space research service is on a primary basis (see No. 5.33). (WRC-12)

5.457 In Australia, Burkina Faso, Cote d'Ivoire, Mali and Nigeria, the allocation to the fixed service in the bands 6 440-6 520 MHz (HAPS-to-ground direction) and 6 560-6 640 MHz (ground-to-HAPS direction) may also be used by gateway links for high-altitude platform stations (HAPS) within the territory of these countries. Such use is limited to operation in HAPS gateway links and shall not cause harmful interference to, and shall not claim protection from, existing services, and shall be in compliance with Resolution COM5/3 (WRC-12). Existing services shall not be constrained in future development by HAPS gateway links. The use of HAPS gateway links in these bands requires explicit agreement with other administrations whose territories are located within 1 000 kilometres from the border of an administration intending to use the HAPS gateway links.

5.457A In the bands 5 925-6 425 MHz and 14-14.5 GHz, earth stations located on board vessels may communicate with space stations of the fixed-satellite service. Such use shall be in accordance with Resolution [COM4/20] (WRC 03). (WRC03)

5.457B In the bands 5 925-6 425 MHz and 14-14.5 GHz, earth stations located on board vessels may operate with the characteristics and under the conditions contained in Resolution 902 (WRC-03) in Algeria, Saudi Arabia, Bahrain, Comoros, Djibouti, Egypt, United Arab Emirates, Jordan, Kuwait, Libya, Morocco, Mauritania, Oman, Qatar, the Syrian Arab Republic, Sudan, South Sudan, Tunisia and Yemen, in the maritime mobile-satellite service on a secondary basis. Such use shall be in accordance with Resolution 902 (WRC-03). (WRC-12)

5.458 In the band 6 425 - 7 075 MHz, passive microwave sensor measurements are carried out over the oceans. In the band 7 075 - 7 250 MHz, passive microwave sensor measurements are carried out. Administrations should bear in mind the needs of the Earth exploration-satellite (passive) and space research (passive) services in their future planning of the bands 6 425 -7 025 MHz and 7 075 - 7 250 MHz.

5.458A In making assignments in the band 6 700 - 7 075 MHz to space stations of the fixed-satellite service, administrations are urged to take all practicable steps to protect spectral line observations of the radio astronomy service in the band 6 650 - 6 675.2 MHz from harmful interference from unwanted emissions.

5.458B The space-to-Earth allocation to the fixed-satellite service in the band 6 700 - 7 075 MHz is limited to feeder links for non-geostationary satellite systems of the mobile-satellite service and is subject to coordination under Resolution 46 (Rev.WRC-97)/No. 9.11A. The use of the band 6 700 - 7 075 MHz (space-to-Earth) by feeder links for nongeostationary satellite systems in the mobile-satellite service is not subject to No. 22.2.

5.458C Administrations making submissions in the band 7 025 - 7 075 MHz (Earth-to-space) for geostationary-satellite systems in the fixed-satellite service after 17 November 1995 shall consult on the basis of relevant ITU-R Recommendations with the administrations that have notified and brought into use non-geostationary-satellite systems in this frequency band before 18 November 1995 upon request of the latter administrations. This consultation shall be with a view to facilitating shared operation of both geostationary-satellite systems in the fixed-satellite service and non-geostationarysatellite systems in this band.

5.460 The use of the band 7 145-7 190 MHz by the space research service (Earth-to-space) is restricted to deep space; no emissions to deep space shall be effected in the band 7 190-7 235 MHz. Geostationary satellites in the space research service operating in the band 7 190-7 235 MHz shall not claim protection from existing and future stations of the fixed and mobile services and No. 5.43A does not apply. (WRC 03)

5.461 Additional allocation: the bands 7 250 - 7 375 MHz (space-to-Earth) and 7 900 - 8 025 MHz (Earth-to-space) are also allocated to the mobile-satellite service on a primary basis, subject to agreement obtained under No. 9.21.

5.461B The use of the band 7 750-7 900 MHz by the meteorological-satellite service (space-to-Earth) is limited to non-geostationary satellite systems. (WRC-12)

5.461A The use of the band 7 450-7 550 MHz by the meteorological-satellite service (space-to-Earth) is limited to geostationary-satellite systems. Non-geostationary meteorological-satellite systems in this band notified before 30 November 1997 may continue to operate on a primary basis until the end of their lifetime.

5.461B The use of the band 7 750-7 850 MHz by the meteorological-satellite service (space-to-Earth) is limited to nongeostationary satellite systems.

5.462A In Regions 1 and 3 (except for Japan), in the band 8 025-8 400 MHz, the Earth exploration-satellite service using geostationary satellites shall not produce a power flux-density in excess of the following values for angles of arrival (θ), without the consent of the affected administration:

-135 dB(W/m2) in a 1 MHz band for $0° \leq \theta < 5°$

$-135 + 0.5 (\theta - 5)$ dB(W/m2) in a 1 MHz band for $5° \leq \theta < 25°$

-125 dB(W/m2) in a 1 MHz band for $25° \leq \theta \leq 90°$

5.463 Aircraft stations are not permitted to transmit in the band 8 025 - 8 400 MHz.

5.465 In the space research service, the use of the band 8 400 - 8 450 MHz is limited to deep space.

5.466 Different category of service: in Singapore and Sri Lanka, the allocation of the band 8 400-8 500 MHz to the space research service is on a secondary basis (see No. 5.32). (WRC-12)

5.468 Additional allocation: in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Burundi, Cameroon, China, Congo (Rep. of the), Costa Rica, Djibouti, Egypt, the United Arab Emirates, Gabon, Guyana, Indonesia, Iran (Islamic Republic of), Iraq, Jamaica, Jordan, Kenya, Kuwait, Lebanon, Libya, Malaysia, Mali, Morocco, Mauritania, Nepal, Nigeria, Oman, Uganda, Pakistan, Qatar, Syrian Arab Republic, the Dem. People's Rep. of Korea, Senegal, Singapore, Somalia, Sudan, Swaziland, Tanzania, Chad, Togo, Tunisia and Yemen, the band 8 500-8 750 MHz is also allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.469 Additional allocation: in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Lithuania, Mongolia, Uzbekistan, Poland, Kyrgyzstan, the Czech Rep., Romania, Tajikistan, Turkmenistan and Ukraine, the band 8500-8 750 MHz is also allocated to the land mobile and radionavigation services on a primary basis. (WRC-12)

5.469A In the band 8 550-8 650 MHz, stations in the earth exploration-satellite service (active) and space research service (active) shall not cause harmful interference to, or constrain the use and development of, stations of the radiolocation service.

5.470 The use of the band 8 750 - 8 850 MHz by the aeronautical radionavigation service is limited to airborne Doppler navigation aids on a centre frequency of 8 800 MHz.

5.471 Additional allocation: in Algeria, Germany, Bahrain, Belgium, China, Egypt, the United Arab Emirates, France, Greece, Indonesia, Iran (Islamic Republic of), Libya, the Netherlands, Qatar, Sudan and South Sudan, the bands 8 825-8 850 MHz and 9 000-9 200 MHz are also allocated to the maritime radionavigation service, on a primary basis, for use by shore-based radars only. (WRC-12)

5.472 In the bands 8 850 - 9 000 MHz and 9 200 - 9 225 MHz, the maritime radionavigation service is limited to shore-based radars.

5.473 *Additional allocation:* in Armenia, Austria, Azerbaijan, Belarus, Cuba, the Russian Federation, Georgia, Hungary, Mongolia, Uzbekistan, Poland, Kyrgyzstan, Romania, Tajikistan, Turkmenistan and Ukraine, the bands 8 850-9 000 MHz and 9 200-9 300 MHz are also allocated to the radionavigation service on a primary basis. (WRC-07)

5.474 In the band 9 200 - 9 500 MHz, search and rescue transponders (SART) may be used, having due regard to the appropriate ITU-R Recommendation (see also Article 31).

5.475 The use of the band 9 300-9 500 MHz by the aeronautical radionavigation service is limited to airborne weather radars and ground-based radars. In addition, ground-based radar beacons in the aeronautical radionavigation service are permitted in the band 9 300-9 320 MHz on condition that harmful interference is not caused to the maritime radionavigation service. (WRC-07)

5.475A In the band 9 000-9 200 MHz, stations operating in the radiolocation service shall not cause harmful interference to, nor claim protection from, systems identified in No. **5.337** operating in the aeronautical radionavigation service, or radar systems in the maritime radionavigation service operating in this band on a primary basis in the countries listed in No. **5.471**. (WRC-07)

5.475B In the band 9 300-9 500 MHz, stations operating in the radiolocation service shall not cause harmful interference to, nor claim protection from, radars operating in the radionavigation service in conformity with the Radio Regulations. Groundbased radars used for meteorological purposes have priority over other radiolocation uses. (WRC-07)

5.476A In the band 9 300-9 800 MHz, stations in the Earth exploration-satellite service (active) and space research service (active) shall not cause harmful interference to, nor claim protection from, stations of the radionavigation and radiolocation services. (WRC-07)

5.4B07 The use of the band 9 300-9 500 MHz by the Earth exploration-satellite service (active) and the space research service (active) is limited to systems requiring necessary bandwidth greater than 300 MHz that cannot be fully accommodated within the 9 500-9 800 MHz band. (WRC-07)

5.477 Different category of service: in Algeria, Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Cameroon, Djibouti, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Guyana, India, Indonesia, Iran (Islamic Republic of), Iraq, Jamaica, Japan, Jordan, Kuwait, Lebanon, Liberia, Malaysia, Nigeria, Oman, Pakistan, Qatar, Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, South Sudan, Trinidad and Tobago, and Yemen, the allocation of the band 9 800-10 000 MHz to the fixed service is on a primary basis (see No. 5.33). (WRC-12)

5.xyz The use of the band 9 800-9 900 MHz by the Earth exploration-satellite service (active) and the space research service (active) is limited to systems requiring necessary bandwidth greater than 500 MHz that cannot be fully accommodated within the 9 300-9 800 MHz band.

5.xyy In the band 9 800-9 900 MHz, stations in the Earth exploration-satellite service (active) and space research service (active) shall not cause harmful interference to, nor claim protection from stations of the fixed service to which this band is allocated on a secondary basis.

5.479 The band 9 975 - 10 025 MHz is also allocated to the meteorological-satellite service on a secondary basis for use by weather radars.

5.481 Additional allocation: in Germany, Angola, Brazil, China, Costa Rica, Côte d'Ivoire, El Salvador, Ecuador, Spain, Guatemala, Hungary, Japan, Kenya, Morocco, Nigeria, Oman, Uzbekistan, Pakistan, Paraguay, Peru, the Dem. People's Rep. of Korea, Romania, Tanzania, Thailand and Uruguay, the band 10.45-10.5 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.482 In the band 10.6-10.68 GHz, the power delivered to the antenna of stations of the fixed and mobile, except aeronautical mobile, services shall not exceed −3 dBW. This limit may be exceeded, subject to agreement obtained under No. **9.21**. However, in Algeria, Saudi Arabia, Armenia, Azerbaijan, Bahrain, Bangladesh, Belarus, Egypt, United Arab Emirates, Georgia, India, Indonesia, Iran (Islamic Republic of), Iraq, Jordan, Libyan Arab Jamahiriya, Kazakhstan, Kuwait, Lebanon, Morocco, Mauritania, Moldova, Nigeria, Oman, Uzbekistan, Pakistan, Philippines, Qatar, Syrian Arab Republic, Kyrgyzstan, Singapore, Tajikistan, Tunisia, Turkmenistan and Viet Nam, this restriction on the fixed and mobile, except aeronautical mobile, service is not applicable. (WRC-07)

5.BA01 For sharing of the band 10.6-10.68 GHz between the Earth exploration-satellite (passive) service and the fixed and mobile, except aeronautical mobile, services, Resolution **[COM5/5] (WRC-07)** applies. (WRC-07)

5.483 Additional allocation: in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, China, Colombia, Korea (Rep. of), Costa Rica, Egypt, the United Arab Emirates, Georgia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kazakhstan, Kuwait, Lebanon, Mongolia, Qatar, Kyrgyzstan, the Dem. People's Rep. of Korea, Tajikistan, Turkmenistan and Yemen, the band 10.68-10.7 GHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. Such use is limited to equipment in operation by 1 January 1985. (WRC-12)

5.484 In Region 1, the use of the band 10.7 - 11.7 GHz by the fixed-satellite service (Earth-to-space) is limited to feeder links for the broadcasting-satellite service.

5.484A The use of the bands 10.95-11.2 GHz (space-to-Earth), 11.45-11.7 GHz (space-to-Earth), 11.7-12.2 GHz (space-to-Earth) in Region 2, 12.2-12.75 GHz (space-to-Earth) in Region 3, 12.5-12.75 GHz (space-to-Earth) in Region 1, 13.75-14.5 GHz (Earth-to-space), 17.8-18.6 GHz (space-to-Earth), 19.7-20.2 GHz (space-to-Earth), 27.5-28.6 GHz (Earth-to-space), 29.5-30 GHz (Earth-to-space) by a non-geostationary-satellite system in the fixed-satellite service is subject to application of the provisions of No. 9.12 for coordination with other non-geostationary-satellite systems in the fixedsatellite service. Non-geostationary-satellite systems in the fixed-satellite service shall not claim protection from geostationary-satellite networks in the fixed-satellite service operating in accordance with the Radio Regulations, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-GSO FSS systems and of the complete coordination or notification information, as appropriate, for the GSO networks, and No. 5.43A does not apply. Non-geostationary-satellite systems in the fixed-satellite service in the above bands shall be operated in such a way that any unacceptable interference that may occur during their operation shall be rapidly eliminated.

5.487 In the band 11.7-12.5 GHz in Regions 1 and 3, the fixed, fixed-satellite, mobile, except aeronautical mobile, and broadcasting services, in accordance with their respective allocations, shall not cause harmful interference to, or claim protection from, broadcasting-satellite stations operating in accordance with the Regions 1 and 3 Plan in Appendix 30. (WRC 03)

5.487A Additional allocation: in Region 1, the band 11.7-12.5 GHz, in Region 2, the band 12.2-12.7 GHz and, in Region 3, the band 11.7-12.2 GHz, are also allocated to the fixed-satellite service (space-to-Earth) on a primary basis, limited to non geostationary systems and subject to application of the

provisions of No. 9.12 for coordination with other nongeostationary-satellite systems in the fixed-satellite service. Non-geostationary-satellite systems in the fixed satellite service shall not claim protection from geostationary-satellite networks in the broadcasting-satellite service operating in accordance with the Radio Regulations, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-geostationary-satellite systems in the fixed-satellite service and of the complete coordination or notification information, as appropriate, for the geostationary-satellite networks, and No. 5.43A does not apply. Non-geostationary-satellite systems in the fixed-satellite service in the above bands shall be operated in such a way that any unacceptable interference that may occur during their operation shall be rapidly eliminated. (WRC 03)

5.492 Assignments to stations of the broadcasting-satellite service which are in conformity with the appropriate regional Plan or included in the Regions 1 and 3 List in Appendix 30 may also be used for transmissions in the fixed-satellite service (space-to-Earth), provided that such transmissions do not cause more interference, or require more protection from interference, than the broadcasting-satellite service transmissions operating in conformity with the Plan or the List, as appropriate.

5.494 Additional allocation: in Algeria, Angola, Saudi Arabia, Bahrain, Cameroon, the Central African Rep., Congo (Rep. of the), Côte d'Ivoire, Djibouti, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Gabon, Ghana, Guinea, Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Madagascar, Mali, Morocco, Mongolia, Nigeria, Oman, Qatar, the Syrian Arab Republic, the Dem. Rep. of the Congo, Somalia, Sudan, South Sudan, Chad, Togo and Yemen, the band 12.5-12.75 GHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-12**)**

5.495 Additional allocation: in France, Greece, Monaco, Montenegro, Uganda, Romania, Tanzania and Tunisia, the band 12.5-12.75 GHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a secondary basis. (WRC-12)

5.497 The use of the band 13.25 - 13.4 GHz by the aeronautical radionavigation service is limited to Doppler navigation aids.

5.498A The earth exploration-satellite (active) and space research (active) services operating in the band 13.25-13.4 GHz shall not cause harmful interference to, or constrain the use and development of, the aeronautical radionavigation service.

5.499 Additional allocation: in Bangladesh and India, the band 13.25-14 GHz is also allocated to the fixed service on a primary basis. In Pakistan, the band 13.25-13.75 GHz is allocated to the fixed service on a primary basis. (WRC-12)

5.500 Additional allocation: in Algeria, Angola, Saudi Arabia, Bahrain, Brunei Darussalam, Cameroon, Egypt, the United Arab Emirates, Gabon, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kuwait, Lebanon, Madagascar, Malaysia, Mali, Morocco, Mauritania, Niger, Nigeria, Oman, Qatar, the Syrian Arab Republic, Singapore, Sudan, South Sudan, Chad and Tunisia, the band 13.4-14 GHz is also allocated to the fixed and mobile services on a primary basis. In Pakistan, the band 13.4-13.75 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.501 Additional allocation: in Azerbaijan, Hungary, Japan, Kyrgyzstan, Romania and Turkmenistan, the band 13.4-14 GHz is also allocated to the radionavigation service on a primary basis. (WRC-12)

5.501A The allocation of the band 13.4 – 13.75 GHz to the space research service on a primary basis is limited to active spaceborne sensors. Other uses of the band by the space research service are on a secondary basis.

5.501B In the band 13.4-13.75 GHz, the earth exploration-satellite (active) and space research (active) services shall not cause harmful interference to, or constrain the use and development of, the radiolocation service.

5.502 In the band 13.75-14 GHz, an earth station of a geostationary fixed-satellite service network shall have a minimum antenna diameter of 1.2 m and an earth station of a non geostationary fixed-satellite service system shall have a minimum antenna diameter of 4.5 m. In addition, the e.i.r.p., averaged over one second, radiated by a station in the radiolocation or radionavigation services shall not exceed 59 dBW for elevation angles above 2° and 65 dBW at lower angles. Before an administration brings into use an earth station in a geostationary-satellite network in the fixed-satellite service in this band with an antenna size smaller than 4.5 m, it shall ensure that the power flux-density produced by this earth station does not exceed: –115 dB(W/(m2 • 10 MHz)) for more than 1% of the time produced at 36 m above sea level at the low water mark, as officially recognized by the coastal state; –115 dB(W/(m2 • 10 MHz)) for more than 1% of the time produced 3 m above ground at the border of the territory of an administration deploying or planning to deploy land mobile radars in this band, unless prior agreement has been obtained. For earth stations within the fixedsatellite service having an antenna diameter greater than or equal to 4.5 m, the e.i.r.p. of any emission should be at least 68 dBW and should not exceed 85 dBW. (WRC 03)

5.503 In the band 13.75-14 GHz, geostationary space stations in the space research service for which information for advance publication has been received by the Bureau prior to 31 January 1992 shall operate on an equal basis with stations in the fixed-satellite service; after that date, new geostationary space stations in the space research service will operate on a secondary basis. Until those geostationary space stations in the space research service for which information for advance publication has been received by the Bureau prior to 31 January 1992 cease to operate in this band:
– in the band 13.77-13.78 GHz, the e.i.r.p. density of emissions from any earth station in the fixed-satellite service operating with a space station in geostationary-satellite orbit shall not exceed:
i) 4.7D + 28 dB(W/40 kHz), where D is the fixed-satellite service earth station antenna diameter (m) for antenna diameters equal to or greater than 1.2 m and less than 4.5 m;
ii) 49.2 + 20 log(D/4.5) dB(W/40 kHz), where D is the fixed-satellite service earth station antenna diameter (m) for antenna diameters equal to or greater than 4.5 m and less than 31.9 m;
iii) 66.2 dB(W/40 kHz) for any fixed-satellite service earth station for antenna diameters (m) equal to or greater than 31.9 m;
iv) 56.2 dB(W/4 kHz) for narrow-band (less than 40 kHz of necessary bandwidth) fixed-satellite service earth station emissions from any fixed-satellite service earth station having an antenna diameter of 4.5 m or greater;– the e.i.r.p. density of emissions from any earth station in the fixed-satellite service operating with a space station in non-geostationary-satellite orbit shall not exceed 51 dBW in the 6 MHz band from 13.772 to 13.778 GHz. Automatic power control may be used to increase the e.i.r.p. density in these frequency ranges to compensate for rain attenuation, to the extent that the power flux-density at the fixed-satellite service space station does not exceed the value resulting from use by an earth station of an e.i.r.p. meeting the above limits in clear-sky conditions. (WRC 03)

5.504 The use of the band 14 - 14.3 GHz by the radionavigation service shall be such as to provide sufficient protection to space stations of the fixed-satellite service (see Recommendation 708).

5.504A In the band 14-14.5 GHz, aircraft earth stations in the secondary aeronautical mobile-satellite service may also communicate with space stations in the fixed-satellite service. The provisions of Nos. 5.29, 5.30 and 5.31 apply. (WRC03)

5.504B Aircraft earth stations operating in the aeronautical mobile-satellite service in the band 14-14.5 GHz shall comply with the provisions of Annex 1, Part C of Recommendation ITU R M.1643, with respect to any radio astronomy station performing observations in the 14.47-14.5 GHz band located on the territory of Spain, France, India, Italy, the United Kingdom and South Africa. (WRC 03)

5.504C In the band 14-14.25 GHz, the power flux-density produced on the territory of the countries of Saudi Arabia, Botswana, Côte d'Ivoire, Egypt, Guinea, India, Iran (Islamic Republic of), Kuwait, Nigeria, Oman, the Syrian Arab Republic and Tunisia by any aircraft earth station in the aeronautical mobile-satellite service shall not exceed the limits given in Annex 1, Part B of Recommendation ITU-R M.1643, unless otherwise specifically agreed by the affected administration(s). The provisions of this footnote in no way derogate the obligations of the aeronautical mobile-satellite service to operate as a secondary service in accordance with No. 5.29. (WRC-12)

5.505 Additional allocation: in Algeria, Angola, Saudi Arabia, Bahrain, Botswana, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Korea (Rep. of), Djibouti, Egypt, the United Arab Emirates, Gabon, Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Mali, Morocco, Mauritania, Oman, the Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, South Sudan, Swaziland, Tanzania, Chad, Viet Nam and Yemen, the band 14-14.3 GHz is also allocated to the fixed service on a primary basis. (WRC-12)

5.506 The band 14 - 14.5 GHz may be used, within the fixed-satellite service (Earth-to-space), for feeder links for the broadcasting-satellite service, subject to coordination with other networks in the fixed-satellite service. Such use of feeder links is reserved for countries outside Europe.

5.506A In the band 14-14.5 GHz, ship earth stations with an e.i.r.p. greater than 21 dBW shall operate under the same conditions as earth stations located on board vessels, as provided in Resolution [COM4/20] (WRC 03). This footnote shall not apply to ship earth stations for which the complete Appendix 4 information has been received by the Radiocommunication Bureau prior to 5 July 2003. (WRC-03)

5.506B Earth stations located on board vessels communicating with space stations in the fixed-satellite service may operate in the frequency band 14-14.5 GHz without the need for prior agreement from Cyprus, Greece and Malta, within the minimum distance given in Resolution [COM4/20] (WRC 03) from these countries. (WRC 03)

5.508 Additional allocation: in Germany, France, Italy, Libya, The Former Yugoslav Rep. of Macedonia and the United Kingdom, the band 14.25-14.3 GHz is also allocated to the fixed service on a primary basis. (WRC-12)

5.508A In the band 14.25-14.3 GHz, the power flux-density produced on the territory of the countries of Saudi Arabia, Botswana, China, Côte d'Ivoire, Egypt, France, Guinea, India, Iran (Islamic Republic of), Italy, Kuwait, Nigeria, Oman, the Syrian Arab Republic, the UnitedKingdom and Tunisia by any aircraft earth station in the aeronautical mobile-satellite service shall not exceed the limits given in Annex 1, Part B of Recommendation ITU-R M.1643, unless otherwise specifically agreed by the affected administration(s). The provisions of this footnote in no way derogate the obligations of the aeronautical mobile-satellite service to operate as a secondary service in accordance with No. 5.29. (WRC-12)

5.509A In the band 14.3-14.5 GHz, the power flux-density produced on the territory of the countries of Saudi Arabia, Botswana, Cameroon, China, Côte d'Ivoire, Egypt, France, Gabon, Guinea, India, Iran (Islamic Republic of), Italy, Kuwait, Morocco, Nigeria, Oman, the Syrian ArabRepublic, the United Kingdom, Sri Lanka, Tunisia and Viet Nam by any aircraft earth station in the aeronautical mobile-satellite service shall not exceed the limits given in Annex 1, Part B of Recommendation ITU-R M.1643, unless otherwise specifically agreed by the affected administration(s). The provisions of this footnote in no way derogate the obligations of the aeronautical mobile-satellite service to operate as a secondary service in accordance with No. 5.29. (WRC-12)

5.510 The use of the band 14.5 - 14.8 GHz by the fixed-satellite service (Earth-to-space) is limited to feeder links for the broadcasting-satellite service. This use is reserved for countries outside Europe.

5.511 *Additional allocation:* in Saudi Arabia, Bahrain, Bosnia and Herzegovina, Cameroon, Egypt, the United Arab Emirates, Guinea, Iran (Islamic Republic of), Iraq, Israel, the Libyan Arab Jamahiriya, Kuwait, Lebanon, Pakistan, Qatar, the Syrian Arab Republic and Somalia, the band 15.35-15.4 GHz is also allocated to the fixed and mobile services on a secondary basis. (WRC-07)

5.511A The band 15.43-15.63 GHz is also allocated to the fixed-satellite service (space-to-Earth) on a primary basis. Use of the band 15.43-15.63 GHz by the fixed-satellite service (space-to-Earth and Earth-to-space) is limited to feeder links of nongeostationary systems in the mobile-satellite service, subject to coordination under No. 9.11A. The use of the frequency band 15.43-15.63 GHz by the fixed-satellite service (space-to-Earth) is limited to feeder links of non-geostationary systems in the mobile-satellite service for which advance publication information has been received by the Bureau prior to 2 June 2000. In the space-to-Earth direction, the minimum earth station elevation angle above and gain towards the local horizontal plane and the minimum coordination distances to protect an earth station from harmful interference shall be in accordance with Recommendation ITU-R S.1341. In order to protect the radio astronomy service in the band 15.35-15.4 GHz, the aggregate power flux-density radiated in the 15.35-15.4 GHz band by all the space stations within any non-GSO MSS feeder-link (space-to-Earth) system operating in the 15.43-15.63 GHz band shall not exceed the level of –156 dB(W/m2) in a 50 MHz bandwidth, into any radio astronomy observatory site for more than 2% of the time.

5.511C Stations operating in the aeronautical radionavigation service shall limit the effective e.i.r.p. in accordance with Recommendation ITU-R 1340. The minimum coordination distance required to protect the aeronautical radionavigation stations (No. 4.10 applies) from harmful interference from feeder link earth stations and the maximum e.i.r.p. transmitted towards the local horizontal plane by a feeder link earth station shall be in accordance with Recommendation ITU-R 1340.

5.511D Fixed-satellite service systems for which complete information for advance publication has been received by the Bureau by 21 November 1997 may operate in the bands 15.4-15.43 GHz and 15.63-15.7 GHz in the space-to-Earth direction and 15.63-15.65 GHz in the Earth-to-space direction. In the bands 15.4-15.43 GHz and 15.65-15.7 GHz, emissions from a non-geostationary space station shall not exceed the power flux-density limits at the Earth's surface of –146 dB(W/m2/MHz) for any angle of arrival. In the band 15.63-15.65 GHz, where an administration plans emissions from a non-geostationary space station that exceed –146 dB(W/m2/MHz) for any angle of arrival, it shall coordinate under Resolution 46 (Rev.WRC-97)/No. 9.11A with the affected administrations. Stations in the fixed-satellite service operating in the band 15.63-15.65 GHz in the Earth-to-space direction shall not cause harmful interference to stations in the aeronautical radionavigation service (No. 4.10 applies).

5.511E In the frequency band 15.4-15.7 GHz, stations operating in the radiolocation service shall not cause harmful interference to, or claim protection from, stations operating in the aeronautical radionavigation service.

5.511F In order to protect the radio astronomy service in the frequency band 15.35-15.4 GHz, radiolocation stations operating in the frequency band 15.4-15.7 GHz shall not exceed the power flux-density level of −156 dB(W/m2) in a 50 MHz bandwidth in the frequency band 15.35-15.4 GHz, at any radio astronomy observatory site for more than 2 per cent of the time.

5.512 Additional allocation: in Algeria, Angola, Saudi Arabia, Austria, Bahrain, Bangladesh, Brunei Darussalam, Cameroon, Congo (Rep. of the), Costa Rica, Egypt, El Salvador, the United Arab Emirates, Eritrea, Finland, Guatemala, India, Indonesia, Iran (Islamic Republic of), Jordan, Kenya, Kuwait, Lebanon, Libya, Malaysia, Mali, Morocco, Mauritania, Montenegro, Nepal, Nicaragua, Niger, Oman, Pakistan, Qatar, Syrian Arab Republic, the Dem. Rep. of the Congo, Serbia, Singapore, Somalia, Sudan, South Sudan, Tanzania, Chad, Togo and Yemen, the band 15.7-17.3 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.513A Spaceborne active sensors operating in the band 17.2-17.3 GHz shall not cause harmful interference to, or constrain the development of, the radiolocation and other services allocated on a primary basis.

5.514 Additional allocation: in Algeria, Angola, Saudi Arabia, Bahrain, Bangladesh, Cameroon, El Salvador, the United Arab Emirates, Guatemala, India, Iran (Islamic Republic of), Iraq, Israel, Italy, Japan, Jordan, Kuwait, Libya, Lithuania, Nepal, Nicaragua, Nigeria, Oman, Uzbekistan, Pakistan, Qatar, Kyrgyzstan, Sudan and South Sudan, the band 17.3-17.7 GHz is also allocated to the fixed and mobile services on a secondary basis. The power limits given in Nos. 21.3 and 21.5 shall apply. (WRC-12)

5.516 The use of the band 17.3-18.1 GHz by geostationary-satellite systems in the fixed-satellite service (Earth-to-space) is limited to feeder links for the broadcasting-satellite service. The use of the band 17.3-17.8 GHz in Region 2 by systems in the fixed-satellite service (Earth-to-space) is limited to geostationary satellites. For the use of the band 17.3-17.8 GHz in Region 2 by feeder links for the broadcasting-satellite service in the band 12.2-12.7 GHz, see Article 11. The use of the bands 17.3-18.1 GHz (Earth-to-space) in Regions 1 and 3 and 17.8-18.1 GHz (Earth-to-space) in Region 2 by nongeostationary- satellite systems in the fixed-satellite service is subject to application of the provisions of No. 9.12 for coordination with other non-geostationary-satellite systems in the fixed-satellite service. Non-geostationary-satellite systems in the fixed-satellite service shall not claim protection from geostationary-satellite networks in the fixed-satellite service operating in accordance with the Radio Regulations, irrespective of the dates of receipt by the Bureau of the complete coordination or notification information, as appropriate, for the non-GSO FSS systems and of the complete coordination or notification information, as appropriate, for the GSO networks, and No. 5.43A does not apply. Nongeostationary-satellite systems in the fixed-satellite service in the above bands shall be operated in such a way that any unacceptable interference that may occur during their operation shall be rapidly eliminated.

5.516A In the band 17.3-17.7 GHz, earth stations of the fixed-satellite service (space-to-Earth) in Region 1 shall not claim protection from the broadcasting-satellite service feeder-link earth stations operating under Appendix 30A, nor put any limitations or restrictions on the locations of the broadcasting-satellite service feeder-link earth stations anywhere within the service area of the feeder link. (WRC 03)

5.516B The following bands are identified for use by high-density applications in the fixed-satellite service (HDFSS): 17.3-17.7 GHz (space-to-Earth) in Region 1 18.3-19.3 GHz (space-to-Earth) in Region 2 19.7-20.2 GHz (space-to-Earth) in all Regions 39.5-40 GHz (space-to-Earth) in Region 1 40-40.5 GHz (space-to-Earth) in all Regions 40.5-42 GHz (space-to-Earth) in Region 2 47.5-47.9 GHz (space-to-Earth) in Region 1 48.2-48.54 GHz (space-to-Earth) in Region 1 49.44-50.2 GHz (space-to-Earth) in Region 1 and 27.5-27.82 GHz (Earth-to-space) in Region 1 28.35-28.45 GHz (Earth-to-space) in Region 2 28.45-28.94 GHz (Earth-to-space) in all Regions 28.94-29.1 GHz (Earth-to-space) in Region 2 and 3 29.25-29.46 GHz (Earth-to-space) in Region 2 29.46-30 GHz

(Earth-to-space) in all Regions 48.2-50.2 GHz (Earth-to-space) in Region 2. This identification does not preclude the use of these bands by other fixed-satellite service applications or by other services to which these bands are allocated on a co-primary basis and does not establish priority in these Regulations among users of the bands. Administrations should take this into account when considering regulatory provisions in relation to these bands. See Resolution [COM5/6] (WRC 03). (WRC 03)

5.519 *Additional allocation:* the bands 18.0-18.3 GHz in Region 2 and 18.1-18.4 GHz in Regions 1 and 3 are also allocated to the meteorological-satellite service (space-to-Earth) on a primary basis. Their use is limited to geostationary satellites. (WRC-07)

5.520 The use of the band 18.1-18.4 GHz by the fixed-satellite service (Earth-to-space) is limited to feeder links of geostationary-satellite systems in the broadcasting-satellite service.

5.522A The emissions of the fixed service and the fixed-satellite service in the band 18.6-18.8 GHz are limited to the values given in Nos. 21.5A and 21.16.2, respectively.

5.522B The use of the band 18.6-18.8 GHz by the fixed-satellite service is limited to geostationary systems and systems with an orbit of apogee greater than 20 000 km.

5.522C In the band 18.6-18.8 GHz, in Algeria, Saudi Arabia, Bahrain, Egypt, the United Arab Emirates, Jordan, Lebanon, Libya, Morocco, Oman, Qatar, Syria, Tunisia and Yemen, fixed-service systems in operation at the date of entry into force of the Final Acts of WRC-2000 are not subject to the limits of No. 21.5A. (WRC-2000)

5.523A The use of the bands 18.8-19.3 GHz (space-to-Earth) and 28.6-29.1 GHz (Earth-to-space) by geostationary and nongeostationary fixed-satellite service networks is subject to the application of the provisions of No. 9.11A/Resolution 46 (Rev.WRC-97) and No. 22.2 does not apply. Administrations having geostationary-satellite networks under coordination prior to 18 November 1995 shall cooperate to the maximum extent possible to coordinate pursuant to No. 9.11A/Resolution 46 (Rev.WRC-97) with non-geostationary-satellite networks for which notification information has been received by the Bureau prior to that date, with a view to reaching results acceptable to all the parties concerned. Nongeostationary-satellite networks shall not cause unacceptable interference to geostationary fixed-satellite service networks for which complete Appendix 4 notification information is considered as having been received by the Bureau prior to 18 November 1995.

5.523B The use of the band 19.3 - 19.6 GHz (Earth-to-space) by the FSS is limited to feeder links for non-GSO systems in the MSS. Such use is subject to the application of the provisions of Resolution 46 (Rev.WRC-97)/No. 9.11A, and No. 22.2 does not apply.

5.523C No. 22.2 of the Radio Regulations shall continue to apply in the bands 19.3 - 19.6 GHz and 29.1 - 29.4 GHz, between feeder links of non-geostationary mobile-satellite service networks and those fixed-satellite service networks for which complete Appendix 4 coordination information, or notification information, is considered as having been received by the Bureau prior to 18 November 1995.

5.523D The use of the band 19.3-19.7 GHz (space-to-Earth) by geostationary fixed-satellite service systems and by feeder links for non-geostationary-satellite systems in the mobile-satellite service is subject to the application of the provisions of Resolution 46 (Rev.WRC-97)/ No. 9.11A, but not subject to the provisions of No. 22.2. The use of this band for other non-geostationary fixed-satellite service systems, or for the cases indicated in Nos. 5.523C and 5.523E, is not subject to the provisions of Resolution 46 (Rev.WRC-97)/No. 9.11A and shall continue to be subject to Articles S9 (except No. 9.11A) and 11 procedures, and to the provisions of No. 22.2.

5.523E No. 22.2 of the Radio Regulations shall continue to apply in the bands 19.6-19.7 GHz and 29.4-29.5 GHz, between feeder links of non-geostationary mobile-satellite service networks and those fixed-satellite service networks for which complete Appendix 4 coordination information, or notification information, is considered as having been received by the Bureau by 21 November 1997.

5.524 Additional allocation: in Afghanistan, Algeria, Angola, Saudi Arabia, Bahrain, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Costa Rica, Egypt, the United Arab Emirates, Gabon, Guatemala, Guinea, India, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Mali, Morocco, Mauritania, Nepal, Nigeria, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. Rep. of the Congo, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, South Sudan, Tanzania, Chad, Togo and Tunisia, the band 19.7-21.2 GHz is also allocated to the fixed and mobile services on a primary basis. This additional use shall not impose any limitation on the power flux-density of space stations in the fixed-satellite service in the band 19.7-21.2 GHz and of space stations in the mobile-satellite service in the band 19.7-20.2 GHz where the allocation to the mobile-satellite service is on a primary basis in the latter band. (WRC-12)

5.525 In order to facilitate interregional coordination between networks in the mobile-satellite and fixed-satellite services, carriers in the mobile-satellite service that are most susceptible to interference shall, to the extent practicable, be located in the higher parts of the bands 19.7-20.2 GHz and 29.5-30 GHz.

5.526 In the bands 19.7 - 20.2 GHz and 29.5 - 30 GHz in Region 2, and in the bands 20.1 - 20.2 GHz and 29.9 - 30 GHz in Regions 1 and 3, networks which are both in the fixed-satellite service and in the mobile-satellite service may include links between earth stations at specified or unspecified points or while in motion, through one or more satellites for point-to-point and point-to-multipoint communications.

5.527 In the bands 19.7-20.2 GHz and 29.5-30 GHz, the provisions of No 4.10 do not apply with respect to the mobile-satellite service.

5.528 The allocation to the mobile-satellite service is intended for use by networks which use narrow spot-beam antennas and other advanced technology at the space stations. Administrations operating systems in the mobile-satellite service in the band 19.7 - 20.1 GHz in Region 2 and in the band 20.1 - 20.2 GHz shall take all practicable steps to ensure the continued availability of these bands for administrations operating fixed and mobile systems in accordance with the provisions of No. 5.524.

5.530 (SUP - WRC-2012)

5.530A Unless otherwise agreed between the administrations concerned, any station in the fixed or mobile services of an administration shall not produce a power flux-density in excess of −120.4 dB(W/(m2· MHz)) at 3 m above the ground of any point of the territory of any other administration in Regions 1 and 3 for more than 20% of the time. In conducting the calculations, administrations should use the most recent version of Recommendation ITU-R P.452 (see Recommendation ITU-R BO.1898). (WRC-12)

5.530B In the band 21.4-22 GHz, in order to facilitate the development of the broadcasting-satellite service, administrations in Regions 1 and 3 are encouraged not to deploy stations in the mobile service and are encouraged to limit the deployment of stations in the fixed service to point-to-point links. (WRC-12)

5.530C The use of the band 21.4-22 GHz is subject to the provisions of Resolution COM5/4 (WRC-12). (WRC-12)

5.530D See Resolution COM5/9 (WRC-12). (WRC-12**)**

5.BA02 For sharing of the band 36-37 GHz between the Earth exploration-satellite (passive) service and the fixed and mobile services, Resolution **[COM5/6] (WRC-07)** shall apply. (WRC-07)

5.BA03 In the bands 1 350-1 400 MHz, 1 427-1 429 MHz, 1 429-1 452 MHz, 22.55-23.55 GHz, 30-31 GHz, 31-31.3 GHz, 49.7-50.2 GHz, 50.4-50.9 GHz and 51.4-52.6 GHz, Resolution **[COM5/4] (WRC-07)** applies. (WRC-07)

5.532 The use of the band 22.21 - 22.5 GHz by the earth exploration-satellite (passive) and space research (passive) services shall not impose constraints upon the fixed and mobile, except aeronautical mobile, services.

5.532A The location of earth stations in the space research service shall maintain a separation distance of at least 54 km from the respective border(s) of neighbouring countries to protect the existing and future deployment of fixed and mobile services unless a shorter distance is otherwise agreed between the corresponding administrations. Nos. 9.17 and 9.18 do not apply.

5.532B Use of the band 24.65-25.25 GHz in Region 1 and the band 24.65-24.75 GHz in Region 3 by the fixed-satellite service (Earth-to-space) is limited to earth stations using a minimum antenna diameter of 4.5 m. (WRC-12)

5.535A The use of the band 29.1-29.5 GHz (Earth-to-space) by the fixed-satellite service is limited to geostationary-satellite systems and feeder links to non-geostationary-satellite systems in the mobile-satellite service. Such use is subject to the application of the provisions of Resolution 46(Rev.WRC-97)/No. 9.11A, but not subject to the provisions of No. 22.2, except as indicated in Nos. 5.523C and 5.523E where such use is not subject to the provisions of Resolution 46 (Rev.WRC-97)/No. 9.11A and shall continue to be subject to Articles S9 (except No. 9.11A) and 11 procedures, and to the provisions of No. 22.2.

5.536 Use of the 25.25 - 27.5 GHz band by the inter-satellite service is limited to space research and Earth exploration-satellite applications, and also transmissions of data originating from industrial and medical activities in space.

5.536A Administrations operating earth stations in the Earth exploration-satellite service or the space research service shall not claim protection from stations in the fixed and mobile services operated by other administrations. In addition, earth stations in the Earth exploration-satellite service or in the space research service should be operated taking into account the most recent version of Recommendation ITU-R SA.1862. (WRC-12)

5.536B In Saudi Arabia, Austria, Belgium, Brazil, Bulgaria, China, Korea (Rep. of), Denmark, Egypt, United Arab Emirates, Estonia, Finland, Hungary, India, Iran (Islamic Republic of), Ireland, Israel, Italy, Jordan, Kenya, Kuwait, Lebanon, Libya, Liechtenstein, Lithuania, Moldova, Norway, Oman, Uganda, Pakistan, the Philippines, Poland, Portugal, the Syrian Arab Republic, Dem. People's Rep. of Korea, Slovakia, the Czech Rep., Romania, the United Kingdom, Singapore, Sweden, Switzerland, Tanzania, Turkey, Viet Nam and Zimbabwe, earth stations operating in the Earth exploration-satellite service in the band 25.5-27 GHz shall not claim protection from, or constrain the use and deployment of, stations of the fixed and mobile services. (WRC-12)

5.536C In Algeria, Saudi Arabia, Bahrain, Botswana, Brazil, Cameroon, Comoros, Cuba, Djibouti, Egypt, United Arab Emirates, Estonia, Finland, Iran (Islamic Republic of), Israel, Jordan,Kenya, Kuwait, Lithuania, Malaysia, Morocco, Nigeria, Oman, Qatar, Syrian Arab Republic,Somalia, Sudan, South Sudan, Tanzania, Tunisia, Uruguay, Zambia and Zimbabwe, earth stationsoperating in the space research service in the band 25.5-27 GHz shall not claim protection from, or constrain the use and deployment of, stations of the fixed and mobile services. (WRC-12)

5.537A In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Iraq, Japan, Kazakhstan, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sudan, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 27.9-28.2 GHz may also be used by high altitude platform stations (HAPS) within the territory of these countries. Such use of 300 MHz of the fixed-service allocation by HAPS in the above countries is further limited to operation in the HAPS-to-ground direction and shall not cause harmful interference to, nor claim protection from, other types of fixed-service systems or other co-primary services. Furthermore, the development of these other services shall not be constrained by HAPS. See Resolution 145 (Rev.WRC-12). (WRC-12)

5.538 *Additional allocation:* the bands 27.500-27.501 GHz and 29.999-30.000 GHz are also allocated to the fixed-satellite service (space-to-Earth) on a primary basis for the beacon transmissions intended for up-link power control. Such space-to-Earth transmissions shall not exceed an equivalent isotropically radiated power (e.i.r.p.) of □10 dBW in the direction of adjacent satellites on the geostationary-satellite orbit. (WRC-07)

5.539 The band 27.5 - 30 GHz may be used by the fixed-satellite service (Earth-to-space) for the provision of feeder links for the broadcasting-satellite service.

5.540 Additional allocation: the band 27.501 - 29.999 GHz is also allocated to the fixed-satellite service (space-to-Earth) on a secondary basis for beacon transmissions intended for up-link power control.

5.541 In the band 28.5 - 30 GHz, the earth exploration-satellite service is limited to the transfer of data between stations and not to the primary collection of information by means of active or passive sensors.

5.541A Feeder links of non-geostationary networks in the mobile-satellite service and geostationary networks in the fixedsatellite service operating in the band 29.1-29.5 GHz (Earth-to-space) shall employ uplink adaptive power control or other methods of fade compensation, such that the earth station transmissions shall be conducted at the power level required to meet the desired link performance while reducing the level of mutual interference between both networks. These methods shall apply to networks for which Appendix 4 coordination information is considered as having been received by the Bureau after 17 May 1996 and until they are changed by a future competent world radiocommunication conference. Administrations submitting Appendix 4 information for coordination before this date are encouraged to utilize these techniques to the extent practicable.

5.542 Additional allocation: in Algeria, Saudi Arabia, Bahrain, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Egypt, the United Arab Emirates, Eritrea, Ethiopia, Guinea, India, Iran (Islamic Republic of), Iraq, Japan, Jordan, Kuwait, Lebanon, Malaysia, Mali, Morocco, Mauritania, Nepal, Oman, Pakistan, Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Somalia, Sudan, South Sudan, Sri Lanka and Chad, the band 29.5-31 GHz is also allocated to the fixed and mobile services on a secondary basis. The power limits specified in Nos. 21.3 and 21.5 shall apply. (WRC-12)

5.543 The band 29.95 - 30 GHz may be used for space-to-space links in the earth exploration-satellite service for telemetry, tracking, and control purposes, on a secondary basis.

5.543A In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Iraq, Japan, Kazakhstan, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sudan, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 31-31.3 GHz may also be used by systems using high altitude platform stations (HAPS) in the ground-to-HAPS direction. The use of the band 31-31.3 GHz by systems using HAPS is limited to the territory of the countries listed above and shall not cause harmful interference to, nor claim protection from, other types of fixed-service systems, systems in the mobile service and systems operated under No. 5.545. Furthermore, the development of these services shall not be constrained by HAPS. Systems using HAPS in the band 31-31.3 GHz shall not cause harmful interference to the radio astronomy service having a primary allocation in the band 31.3-31.8 GHz, taking into account the protection criterion as given in Recommendation ITU-R RA.769. In order to ensure the protection of satellite passive services, the level of unwanted power density into a HAPS ground station antenna in the band 31.3-31.8 GHz shall be limited to −106 dB(W/MHz) under clear-sky conditions, and may be increased up to −100 dB(W/MHz) under rainy conditions to mitigate fading due to rain, provided the effective impact on the passive satellite does not exceed the impact under clear-sky conditions. See Resolution 145 (Rev.WRC-12). (WRC-12)

5.544 In the band 31 - 31.3 GHz the power flux-density limits specified in Article 21, Table 21-4 shall apply to the space research service.

5.545 Different category of service: in Armenia, Georgia, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 31-31.3 GHz to the space research service is on a primary basis (see No.5.33). (WRC-12)

5.546 Different category of service: in Saudi Arabia, Armenia, Azerbaijan, Belarus, Egypt, the United Arab Emirates, Spain, Estonia, the Russian Federation, Georgia, Hungary, Iran (Islamic Republic of), Israel, Jordan, Lebanon, Moldova, Mongolia, Oman, Uzbekistan, Poland, the Syrian Arab Republic, Kyrgyzstan, Romania, the United Kingdom, South Africa, Tajikistan, Turkmenistan and Turkey, the allocation of the band 31.5-31.8 GHz to the fixed and mobile, except aeronautical mobile, services is on a primary basis (see No. 5.33). (WRC-12)

5.547 The bands 31.8-33.4 GHz, 37-40 GHz, 40.5-43.5 GHz, 51.4-52.6 GHz, 55.78-59 GHz and 64-66 GHz are available for high-density applications in the fixed service (see Resolution **75 (WRC-2000)**). Administrations should take this into account when considering regulatory provisions in relation to these bands. Because of the potential deployment of highdensity applications in the fixed-satellite service in the bands 39.5-40 GHz and 40.5-42 GHz (see No. **5.516B**), administrations should further take into account potential constraints to high-density applications in the fixed service, as appropriate. (WRC-07)

5.547A Administrations should take practical measures to minimize the potential interference between stations in the fixed service and airborne stations in the radionavigation service in the 31.8-33.4 GHz band, taking into account the operational needs of the airborne radar systems

5.548 In designing systems for the inter-satellite service in the band 32.3-33 GHz, for the radionavigation service in the band 3233 GHz, and for the space research service (deep space) in the band 31.8-32.3 GHz, administrations shall take all necessary measures to prevent harmful interference between these services, bearing in mind the safety aspects of the radionavigation service (see Recommendation 707). (WRC-03)

5.549 Additional allocation: in Saudi Arabia, Bahrain, Bangladesh, Egypt, the United Arab Emirates, Gabon, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kuwait, Lebanon, Libya, Malaysia, Mali, Morocco, Mauritania, Nepal, Nigeria, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. Rep. of the Congo, Singapore, Somalia, Sudan, South Sudan, Sri Lanka, Togo, Tunisia and Yemen, the band 33.4-36 GHz is also allocated to the fixed and mobile services on a primary basis. (WRC-12)

5.549A In the band 35.5-36.0 GHz, the mean power flux-density at the Earth's surface, generated by any spaceborne sensor in the Earth exploration-satellite service (active) or space research service (active), for any angle greater than 0.8° from the beam centre shall not exceed −73.3 dB(W/m2) in this band. (WRC 03)

5.550 Different category of service: in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kyrgyzstan, Tajikistan and Turkmenistan, the allocation of the band 34.7-35.2 GHz to the space research service is on a primary basis (see No. 5.33). (WRC-12)

5.551H The equivalent power flux-density (epfd) produced in the band 42.5-43.5 GHz by all space stations in any nongeostationary-satellite system in the fixed-satellite service (space-to-Earth), or in the broadcasting-satellite service (space-to-Earth) operating in the 42-42.5 GHz band, shall not exceed the following values at the site of any radio astronomy station for more than 2% of the time: −230 dB(W/m2) in 1 GHz and –246 dB(W/m2) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomystation registered as a single-dish telescope; and −209 dB(W/m2) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a very long baseline interferometry station. These epfd values shall be evaluated using the methodology given in Recommendation ITU-R S.1586-1 and the reference antenna pattern and the maximum gain of an antenna in the radio astronomy service given in Recommendation ITU-R RA.1631 and shall apply over the whole sky and for elevation angles higher than the minimum operating angle θ_{min} of the radiotelescope (for which a default value of 5° should be adopted in the absence of notified information). These values shall apply at any radio astronomy station that either:
– was in operation prior to 5 July 2003 and has been notified to the Bureau before 4 January 2004; or
– was notified before the date of receipt of the complete Appendix **4** information for coordination or notification, as appropriate, for the space station to which the limits apply. Other radio astronomy stations notified after these dates may seek an agreement with administrations that have authorized the space stations. In Region 2, Resolution **743 (WRC-03)** shall apply. The limits in this footnote may be exceeded at the site of a radio astronomy station of any country whose administration so agreed. (WRC-07)

5.551I The power flux-density in the band 42.5-43.5 GHz produced by any geostationary space station in the fixed-satellite service (space-to-Earth), or the broadcasting-satellite service (space-to-Earth) operating in the 42-42.5 GHz band, shall not exceed the following values at the site of any radio astronomy station: –137 dB(W/m2) in 1 GHz and –153 dB(W/m2) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a singledish telescope; and –116 dB(W/m2) in any 500 kHz of the 42.5-43.5 GHz band at the site of any radio astronomy station registered as a very long baseline interferometry station. These values shall apply at the site of any radio astronomy station that either: –was in operation prior to 5 July 2003 and has been notified to the Radiocommunication Bureau before 4 January 2004; or –was notified before the date of receipt of the complete Appendix 4 information for coordination or notification, as appropriate, for the space station to which the limits apply. Other radio astronomy stations notified after these dates may seek an agreement with administrations that have authorized the space stations. In Region 2, Resolution [COM5/7] (WRC 03) shall apply. The limits in this footnote may be exceeded at the site of a radio astronomy station of any country whose administration so agreed. (WRC-03)

5.552 The allocation of the spectrum for the fixed-satellite service in the bands 42.5 - 43.5 GHz and 47.2 - 50.2 GHz for Earth-to-space transmission is greater than that in the band 37.5 - 39.5 GHz for space-to-Earth transmission in order to accommodate feeder links to broadcasting satellites. Administrations are urged to take all practicable steps to reserve the band 47.2 - 49.2 GHz for feeder links for the broadcasting-satellite service operating in the band 40.5 - 42.5 GHz.

5.552A The allocation to the fixed service in the bands 47.2-47.5 GHz and 47.9-48.2 GHz is designated for use by high altitude platform stations. The use of the bands 47.2-47.5 GHz and 47.9-48.2 GHz is subject to the provisions of Resolution **122 (Rev.WRC-07)**. (WRC-07)

5.553 In the bands 43.5-47 GHz and 66-71 GHz, stations in the land mobile service may be operated subject to not causing harmful interference to the space radiocommunication services to which these bands are allocated (see No. 5.43).

5.554 In the bands 43.5-47 GHz, 66-71 GHz, 95-100 GHz, 123-130 GHz, 191.8-200 GHz and 252-265 GHz, satellite links connecting land stations at specified fixed points are also authorized when used in conjunction with the mobile-satellite service or the radionavigation-satellite service

5.554A The use of the bands 47.5-47.9 GHz, 48.2-48.54 GHz and 49.44-50.2 GHz by the fixed-satellite service (space-to-Earth) is limited to geostationary satellites. (WRC 03)

5.555 Additional allocation: the band 48.94-49.04 GHz is also allocated to the radio astronomy service on a primary basis.

5.555B The power flux-density in the band 48.94-49.04 GHz produced by any geostationary space station in the fixed-satellite service (space-to-Earth) operating in the bands 48.2-48.54 GHz and 49.44-50.2 GHz shall not exceed –151.8 dB(W/m2) in any 500 kHz band at the site of any radio astronomy station. (WRC 03)

5.556 In the bands 51.4-54.25 GHz, 58.2-59 GHz and 64-65 GHz, radio astronomy observations may be carried out under national arrangements.

5.556A Use of the bands 54.25-56.9 GHz, 57-58.2 GHz and 59-59.3 GHz by the inter-satellite service is limited to satellites in the geostationary-satellite orbit. The single-entry power flux-density at all altitudes from 0 km to 1 000 km above the Earth' s surface produced by a station in the inter-satellite service, for all conditions and for all methods of modulation, shall not exceed -147 dB(W/m 2 /100 MHz) for all angles of arrival.

5.557A In the band 55.78-56.26 GHz, in order to protect stations in the Earth exploration-satellite service (passive), the maximum power density delivered by a transmitter to the antenna of a fixed service station is limited to –26 dB(W/MHz).

5.558 In the bands 55.78-58.2 GHz, 59-64 GHz, 66-71 GHz, 122.25-123 GHz, 130-134 GHz, 167-174.8 GHz and 191.8-200 GHz, stations in the aeronautical mobile service may be operated subject to not causing harmful interference to the intersatellite service (see No. 5.43).

5.558A Use of the band 56.9-57 GHz by inter-satellite systems is limited to links between satellites in geostationary-satellite orbit and to transmissions from non-geostationary satellites in high-Earth orbit to those in low-Earth orbit. For links between satellites in the geostationary-satellite orbit, the single entry power flux-density at all altitudes from 0 km to 1 000 km above the Earth's surface, for all conditions and for all methods of modulation, shall not exceed –147 dB(W/m 2/100 MHz) for all angles of arrival.

5.559 In the band 59-64 GHz, airborne radars in the radiolocation service may be operated subject to not causing harmful interference to the inter-satellite service (see No. 5.43).

5.560 In the band 78 - 79 GHz radars located on space stations may be operated on a primary basis in the earth explorationsatellite service and in the space research service.

5.560A The 81-81.5 GHz band is also allocated to the amateur and amateur-satellite services on a secondary basis.

5.561 In the band 74-76 GHz, stations in the fixed, mobile and broadcasting services shall not cause harmful interference to stations of the fixed-satellite service or stations of the broadcasting-satellite service operating in accordance with the decisions of the appropriate frequency assignment planning conference for the broadcasting-satellite service.

5.562 The use of the band 94 - 94.1 GHz by the earth exploration-satellite (active) and space research (active) services is limited to spaceborne cloud radars.

5.562A Transmissions from space stations of the Earth exploration-satellite service (active) that are directed into the main beam of a radio astronomy antenna have the potential to damage some radio astronomy receivers. Space agencies operating the transmitters and the radio astronomy stations concerned should mutually plan their operations so as to avoid such occurrences to the maximum extent possible.

5.562B Use of this allocation is limited to space-based radio astronomy only

5.562C Use of the band 116-122.25 GHz by the inter-satellite service is limited to satellites in the geostationary-satellite orbit. The single-entry power flux-density produced by a station in the inter-satellite service, for all conditions and for all methods of modulation, at all altitudes from 0 km to 1 000 km above the Earth's surface and in the vicinity of all geostationary orbital positions occupied by passive sensors, shall not exceed –148 dB(W/(m2 **.** MHz)) for all angles of arrival.

5.562E The allocation to the Earth exploration-satellite service (active) is limited to the band 133.5-134 GHz.

5.562F In the band 155.5-158.5 GHz, the allocation to the Earth exploration-satellite (passive) and space research (passive) services shall terminate on 1 January 2018

5.562G The date of entry into force of the allocation to the fixed and mobile services in the band 155.5-158.5 GHz shall be 1 January 2018.

5.562H Use of the bands 174.8-182 GHz and 185-190 GHz by the inter-satellite service is limited to satellites in the geostationary-satellite orbit. The single-entry power flux-density produced by a station in the inter-satellite service, for all conditions and for all methods of modulation, at all altitudes from 0 km to 1 000 km above the Earth's surface and in the vicinity of all geostationary orbital positions occupied by passive sensors, shall not exceed –144 dB(W/(m2 **.** MHz)) for all angles of arrival.

5.563A In the bands 200-209 GHz, 235-238 GHz, 250-252 GHz and 265-275 GHz, ground-based passive atmospheric sensing is carried out to monitor atmospheric constituents.

5.563B The band 237.9-238 GHz is also allocated to the Earth exploration-satellite service (active) and the space research service (active) for spaceborne cloud radars only.

5.565 The following frequency bands in the range 275-1 000 GHz are identified for use by administrations for passive service applications:
– radio astronomy service: 275-323 GHz, 327-371 GHz, 388-424 GHz, 426-442 GHz, 453-510 GHz, 623-711 GHz, 795-909 GHz and 926-945 GHz;
– Earth exploration-satellite service (passive) and space research service (passive):
275-286 GHz, 296-306 GHz, 313-356 GHz, 361-365 GHz, 369-392 GHz, 397-399 GHz, 409-411 GHz, 416-434 GHz, 439-467 GHz, 477-502 GHz, 523-527 GHz, 538-581 GHz, 611-630 GHz, 634-654 GHz, 657-692 GHz, 713-718 GHz, 729-733 GHz, 750-754 GHz, 771-776 GHz, 823-846 GHz, 850-854 GHz, 857-862 GHz, 866-882 GHz, 905-928 GHz, 951-956 GHz, 968-973 GHz and 985-990 GHz.
The use of the range 275-1 000 GHz by the passive services does not preclude use of

this range by active services. Administrations wishing to make frequencies in the 275-1 000 GHz range available for active service applications are urged to take all practicable steps to protect these passive services from harmful interference until the date when the Table of Frequency Allocations is established in the above-mentioned 275-1 000 GHz frequency range.

All frequencies in the range 1 000-3 000 GHz may be used by both active and passive services. (WRC-12)

Annex 3 Verklaring van in het NFPS gebruikte begrippen

AM-radio
Amplitude Modulation
(Omroep)uitzendingen waarbij de informatie (bijvoorbeeld het omroepsignaal) verzonden wordt door de amplitude van de draaggolf te variëren.

Besloten net
Radiocommunicatienet voor communicatie binnen een bedrijf. Een dergelijk net kan in eigen beheer of door een derde partij worden geëxploiteerd.

C2000
Het digitale mobiele telecommunicatiesysteem ten behoeve van de diensten belast met openbare orde, veiligheid en hulpverlening.

CB
Citizens Band
De bestemming voor algemene radiocommunicatie in de 27 MHz band. Uitgangspunt bij deze apparaten is dat het gebruik ervan, onder bepaalde voorwaarden, is vrijgesteld van een vergunning.

CEPT
Conférence Européenne des Administrations des Postes et Télécommunications
Het vrijwillige samenwerkingsverband tussen Europese overheden op het gebied van post en telecommunicatie.

Draadloze telefoons
Randapparaten die bestemd zijn voor aansluiting op een vast openbaar telefoonnetwerk. Uitgangspunt bij deze apparaten is dat het gebruik ervan, onder bepaalde voorwaarden, is vrijgesteld van een vergunning. Tot draadloze telefoons behoren o.a. CT0 in de 31/40 MHz band, CT1 in de 914-915/959-960 MHz band, CT2 in de 864 - 868 MHz band en DECT in de 1880 - 1900 MHz band.
88

DAB
Digitale Audio Broadcasting
DAB is een systeem voor digitale radio-omroep. Naast radio-omroepdiensten biedt de standaard ook mogelijkheden tot het leveren van andere omroepdiensten en datadiensten. Bij een DAB-zender worden meer programma's via een multiplex tegelijk in één frequentieblok van 1,5 MHz breed uitgezonden. De uitzendingen voor DAB kunnen zowel via aardse zenders (Terrestrial (T-DAB)) of via satelliet (S-DAB) plaatsvinden.

DAV
Draadloze Audioverbindingen voor met name professioneel gebruik van reportage-, regie-, retour- en intercomverbindingen.

DECT
Digital Enhanced Cordless Telecommunication
DECT is een systeem voor draadloze telecommunicatie, waaronder draadloze telefonie voor thuis en op kantoor. Uitgangspunt bij deze apparaten is dat het gebruik ervan, onder bepaalde voorwaarden, is vrijgesteld van een vergunning.

DGPS
Differential Global Positioning System
Dit radioplaatsbepalingsysteem is een toevoeging op GPS en verhoogt daarvan de nauwkeurigheid door aanvullend op het satellietsysteem gebruik te maken van radiobakens op aarde met bekende opstelpunten.

DME
Distance Measuring Equipment
Radiozendapparaat voor afstandsmeting in de luchtvaart.

DMO
Direct Mode Operation
Deze term wordt gebruikt voor directe communicatie tussen mobiele terminals zonder gebruik te maken van een netwerk.

DVB-T
Digital Video Broadcasting Terrestrial
Dit is een systeem voor digitale tv-omroep. Daarnaast biedt de standaard ook mogelijkheden tot het leveren van andere digitale omroepdiensten en datadiensten. Bij een DVB-zender worden meer programma's via een multiplex tegelijk in één frequentieblok van 7 of 8 MHz breed uitgezonden. De uitzendingen voor DVB kunnen zowel via aardse zenders (Terrestrial (DVB-T)) of via satelliet (DVB-S) plaatsvinden.

ELT
Emergency Locator Transmitter
Apparaat aan boord van vliegtuigen dat in geval van nood een alarmering kan uitzenden en het opsporen van het toestel vereenvoudigt.

ENG/OB
Electronic News Gathering/Outside Broadcasting
Dit staat voor omroep-gerelateerde activiteiten zoals programmavervaardiging op locatie. Typische toepassingen zijn mobiele camera's en tijdelijke videoverbindingen.

EPIRB
Emergency Position Indicating Radio Beacon
Dit zijn apparaten aan boord van schepen die als radiobaken blijven drijven op de plek waar een vaartuig in nood verkeert dan wel inmiddels is gezonken en bij contact met het zeewater automatisch begint te zenden. Het maakt deel uit van het Global Maritime Distress and Safety System (GMDSS).

ESV
Earth Stations on board Vessels
Satellietstations aan boord van schepen.

FM-radio
Frequency Modulation
(Omroep)uitzendingen waarbij de informatie (bijvoorbeeld het omroepsignaal) verzonden wordt door de frequentie van de draaggolf te variëren.

FWA
Fixed Wireless Access
Duplex-radioverbindingen op basis van multipunt-technologie tussen een vast opgesteld centraal punt en meerdere vast opgestelde aansluitpunten.

Galileo
Europees plaatsbepalingssysteem.

GLONASS
Global Navigation Satellite System
GLONASS is een internationaal werkend plaatsbepalingssysteem.

GMDSS
Global Maritime Distress and Safety System
Een wereldwijd systeem dat de veiligheid op en boven zee beoogt te verhogen.

GPS
Global Positioning System
Wereldwijd te gebruiken plaatsbepalingssysteem dat gebruik maakt van satellieten.

GSM
Global System for Mobile communications
Mobiele communicatienetwerken.

GSM-R
Global System for Mobile Railway communications

HDFS
High Density Fixed Service

HDTV
High Definition Television
Een vorm van televisie waarbij de resolutie (het aantal beeldpunten) van het beeld hoger is dan bij gebruikelijke (conventionele) televisie.

ICAO
International Civil Aviation Organization
De ICAO is het internationale samenwerkingsverband van overheidsadministraties op het gebied van de burgerluchtvaart.

ILS
Instrument Landing System
Een geheel van radiovoorzieningen dat de landing van vliegtuigen tijdens slecht zicht mogelijk maakt.

IMT-2000
International Mobile Telecommunications - 2000
Derde generatie digitale mobiele communcatiesystemen, in Europa bekend onder de term UMTS (Universal Mobile Telecommunications System).

ISM
Industrial, Scientific and Medical
ISM-apparatuur, waarbij hoogfrequent elektromagnetische energie wordt gebruikt voor andere doeleinden dan informatieoverdracht. Voorbeelden zijn diathermie, verhitting in magnetronovens en vonkverspaning.

ITU
International Telecommunication Union
De International Telecommunication Union is een organisatie van de Verenigde Naties die onder meer belast is met de coördinatie van het frequentiegebruik (ITU-R) en het standaardiseren van systemen (ITU-T). Als lid van de VN en de ITU is Suriname gebonden aan de afspraken die in ITU-verband gemaakt worden.

ITU-RR
International Telecommunication Union - Radio Regulations
De afspraken die binnen de ITU-R gemaakt worden over de bestemming van de frequentiebanden worden vastgelegd in de ITU Radio Regulations. Binnen de bestemmingen wordt onderscheid gemaakt naar verschillende typen radiodiensten. Daarnaast zijn de procedures opgenomen die lidstaten moeten volgen om het gebruik van frequenties met de omliggende landen af te stemmen. Via zulke afstemmingsprocedures verwerft een land het gebruiksrecht voor bepaalde frequenties.

Meteorscatter
Communicatiemethode waarbij voor verbindingen tot ver voorbij de horizon gebruik wordt gemaakt van de reflectie van radiosignalen tegen de ionisatiesporen van kleine meteorieten die deze veroorzaken bij verbranding in de bovenste luchtlagen van de aardse atmosfeer.
MLS
Microwave Landing System
MLS is een systeem dat het laten landen van vliegtuigen mogelijk maakt. Dit system beoogt de opvolger te worden van het Instrument Landing System (ILS).

MWS
Multimedia Wireless Systems
Breedbandige multimedia toepassingen. Voornamelijk video voor lokale verzorging met mogelijkheden voor interactieve en breedband telecommunicatiediensten.

NDB
Non Directional Beacon
Navigatiebaken.

NIB
Non Interference Basis
Een radiodienst die op basis van het NIB-principe gebruik mag maken van een frequentieband betekent dat deze dienst geen storing mag veroorzaken aan de radiodiensten met een primaire of secundaire status en bovendien storing moet accepteren.

Paging
Een éénrichtingradiocommunicatiesysteem tussen een basisstation en mobiele of vast opgestelde ontvangers voor het overbrengen van informatie of signalering.

PLB
Personal Locator Beacon
Apparaat dat door personen kan worden gebruikt om, in dun bevolkte gebieden zonder communicatiemogelijkheden, in geval van een calamiteit een alarmering uit te zenden en opsporing te vereenvoudigen.

PMR - 446

Personal Mobile Radio in de 446 MHz band Dit is een systeem voor korteafstand-spraakcommunicatie.

RLAN
Radio Local Area Network
Draadloos netwerk van computers en randapparatuur, bijvoorbeeld binnen een gebouw of groep gebouwen. Uitgangspunt bij deze apparaten is dat het gebruik ervan, onder bepaalde voorwaarden, is vrijgesteld van een vergunning.

RTTT
Road Transport and Traffic Telematics
Radiozendapparaten en/of systemen bedoeld voor wegtransport en verkeerstelematica, zoals o.a. voertuigradars en tolsystemen.

S-DAB
Satellite Digital Audio Broadcasting
Zie DAB

SGS
Satellietgrondstation
Radiozendapparaat bestemd voor het zenden of het zenden en ontvangen van radiocommunicatiesignalen door middel van satellieten. Uitgangspunt bij deze apparaten is dat het gebruik ervan, onder bepaalde voorwaarden, is vrijgesteld van een vergunning.

SRD
Short Range Device
Dit staat voor een veelheid van radioapparaten die in de diverse annexen van CEPT recommandatie 70-03 nader zijn omschreven. Zij hebben slechts een gering zendvermogen en zijn bedoeld voor de overbrugging van korte afstanden. Uitgangspunt bij deze apparaten is dat het gebruik ervan, onder bepaalde voorwaarden, is vrijgesteld van een vergunning.

SRR
Short Range Radar
Radar systeem in voertuigen voor de verkeersveiligheid en om botsingen te voorkomen.

SSR
Secondary Surveillance Radar
Radarsysteem om de transponder in vliegtuigen te ondervragen.

Standaardfrequentie en tijdsignaal
De frequentietabel bevat op verschillende plaatsen standaardfrequentie en tijdsignalen. Hierin kunnen zendstations een signaal uitzenden om bijvoorbeeld klokken te synchroniseren. Suriname heeft dergelijke stations zelf niet, wel maken veel Surinaamse uurwerken gebruik van stations in het buitenland. Om die reden wordt in Suriname toch bescherming geboden.

STM-1
Synchronous Transport Module, level 1
Vaste verbindingen, die een onderdeel vormen van een infrasructuurnetwerk hebben veelal een transportcapaciteit van 155 Mbit/sec volgens STM-1 formaat.

TACAN
Tactical air navigation aid
Militair systeem voor de navigatie van vliegtuigen.

T-DAB
Terrestrial Digital Audio Broadcasting
Zie DAB

TFTS
Terrestrial Flight Telephone System
Systeem waarmee passagiers vanuit een vliegtuig via aardse basisstations kunnen bellen met het openbare telefoonnet. Passagiers kunnen niet worden gebeld.

Vaste verbindingen
Vaste verbindingen worden ook wel straalverbindingen genoemd. Hierbij wordt gebruik gemaakt van twee vaste opstelpunten en richtantennes. Transportabele vaste verbindingen zijn tijdelijke verbindingen die ingezet kunnen worden bij calamiteiten en evenementen.

VOLMET
Meteorological information for aircraft in flight
Vluchtmeteorologische dienst voor de verspreiding van weerberichten voor de luchtvaart.

VOR
VHF Omnidirectional Radio range
Navigatiesysteem voor de luchtvaart.