



**INSTITUT BELGE DES SERVICES POSTAUX
ET DES TÉLÉCOMMUNICATIONS**

I B P T

Référence : 2018-000327

**CONSULTATION RELATIVE AU PROJET DE
DÉCISION DU CONSEIL DE L'IBPT
RELATIVE
AUX INTERFACES RADIO
C01 (01 À 10), C02 (01 À 08), C03 (01 À 04), C04 (01 À 09)
ET C05 (01 ET 02)**

MÉTHODE D'ENVOI DES RÉACTIONS AU PRÉSENT DOCUMENT

Délai de réponse: jusqu'au 5 juin 2018
Méthode pour répondre: À: consultation.sg@bipt.be
Objet: «Consult-2018-B4»

Personne de contact: Philippe Appeldoorn, Premier ingénieur-conseiller (tél. 02 226 88 51)

Les réponses sont attendues uniquement par voie électronique.

Vous êtes prié d'utiliser le « Formulaire de couverture à joindre à la réponse à une consultation publique organisée par l'IBPT », que vous trouverez à la page suivante:
www.ibpt.be/fr/opérateurs/telecom/marches/formulaire-de-couverture-a-joindre-a-la-reponse-a-une-consultation-publique-organisee-par-libpt

L'IBPT demande également que les commentaires se réfèrent aux paragraphes et/ou parties dont ils traitent. Le document doit indiquer clairement ce qui est confidentiel.

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1. Base juridique

Depuis l'entrée en vigueur de la loi du 13 juin 2005 relative aux communications électroniques, l'IBPT est compétent pour l'édition de prescriptions techniques concernant l'utilisation des équipements hertziens (art. 40). Sur cette base, l'IBPT édicte les interfaces radio reprises en annexe.

Il s'agit des interfaces radio suivantes relatives aux équipements utilisés pour la navigation maritime et en eaux intérieures :

- C01 pour les équipements GMDSS¹ destinés aux navires SOLAS² ;
- C02 pour les équipements GMDSS destinés aux navires non-SOLAS ;
- C03 pour les équipements non-GMDSS ;
- C04 pour les équipement de radionavigation
- C05 pour les stations côtières

Les caractéristiques techniques auxquelles doivent répondre les équipements sont fixées par ces interfaces radio, de même que les bandes de fréquences sur lesquelles ces équipements peuvent fonctionner. La présente décision contient par conséquent les règles qui doivent être prises en compte en ce qui concerne les équipements en question. Ces interfaces radio sont nécessaires pour une utilisation efficace des bandes de fréquences et pour éviter des brouillages préjudiciables aux radiocommunications; elles font également partie du plan national de fréquences.

2. Rétroactes

Les interfaces radio C03-01 et C03-02 remplacent l'interface existante C1 qui fait partie des annexes à la décision du Conseil de l'IBPT du 22 décembre 2009 relative aux interfaces radio A1 à A10, B2, B4, B5, B8, B13, B15 à B17, C1, D1, D2, F1 et. Cette modification est nécessaire pour rendre conformes ces interfaces au nouveau format utilisé par l'EFIS³.

Les autres interfaces sont nouvelles.

Les applications reprises dans ces interfaces sont soumises à autorisation de l'IBPT.

¹ GMDSS : Global Maritime Distress and Safety System - Système Mondial de Détresse et de Sécurité en Mer (SMDSM)

² SOLAS : Safety Of Life At Sea

³ ECO (European Communications Office) Frequency Information System.

3. Consultation

En application de l'article 19, alinéa 1er, de la loi du 17 janvier 2003 relative au statut du régulateur des secteurs des postes et des télécommunications belges, le Conseil de l'IBPT a publié le projet de cette décision le

L'IBPT a notifié à la Commission européenne le projet de ces interfaces radio selon la procédure appropriée de la directive d'information 2015/1535/UE en vue de remarques éventuelles de la Commission ou des Etats membres...

4. Décision

Les interfaces radio reprises à l'annexe entrent en vigueur le jour de la publication de la présente décision sur le site Internet de l'IBPT.

5. Voies de recours

Conformément à l'article 2, §1 de la loi du 17 janvier 2003 concernant les recours et le traitement des litiges à l'occasion de la loi du 17 janvier 2003 relative au statut du régulateur des secteurs des postes et télécommunications belges, vous avez la possibilité d'introduire un recours contre cette décision devant la Cour des marchés, Place Poelaert 1, B-1000 Bruxelles. Les recours sont formés, à peine de nullité prononcée d'office, par requête signée et déposée au greffe de la Cour d'appel de Bruxelles dans un délai de soixante jours à partir de la notification de la décision ou à défaut de notification, après la publication de la décision ou à défaut de publication, après la prise de connaissance de la décision.

La requête contient, à peine de nullité, les mentions requises par l'article 2, §2 de la loi du 17 janvier 2003 concernant les recours et le traitement des litiges à l'occasion de la loi du 17 janvier 2003 relative au statut du régulateur des secteurs des postes et télécommunications belges. Si la requête contient des éléments que vous considérez comme confidentiels, vous devez l'indiquer de manière explicite et déposer, à peine de nullité, une version non-confidentielle de celle-ci. L'Institut publie sur son site Internet la requête notifiée par le Greffe de la juridiction. Toute partie intéressée peut intervenir à la cause dans les trente jours qui suivent cette publication.

Axel Desmedt
Membre du Conseil

Jack Hamande
Membre du Conseil

Luc Vanfleteren
Membre du Conseil

Michel Van Bellinghen
Président du Conseil

Annexes

Annexes à la décision du Conseil de l'IBPT du JJ MMM 2018 relative aux interfaces radio C01 (01 à 10), C02 (01 à 08), C03 (01 à 04), C04 (01 à 09) et C05 (01 et 02).

BELGIUM	Radio Interface Specification	Maritime	C01-01	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-SOLAS
	2	Application	NAVTEX	
	3	Frequency band	517.5-518.5 kHz	Center frequency 518 kHz; secondary frequencies 490 kHz of 4209,5 kHz
	4	Channelling		
	5	Modulation/Occupied bandwidth	F1B; 1kHz	
	6	Direction/Separation		
	7	Transmit power/Power density	Receiver only	
	8	Channel access and occupation rules		
	9	Authorisation regime	Licence exempt	
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 1 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-02	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-SOLAS
	2	Application	DSC	
	3	Frequency band	1605-4000 kHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	J3E, J2B, F1B	
	6	Direction/Separation		
	7	Transmit power/Power density	400 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-03	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-SOLAS
	2	Application	DSC	
	3	Frequency band	4000-27500 kHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	J3E, J2B, F1B	
	6	Direction/Separation		
	7	Transmit power/Power density	1500 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-04	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	GMDSS-SOLAS
	2	Application	Maritime communications	On board fixed station DSC
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G2B, G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	0,5 W - 25 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption	ITU App. 18	
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-05	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-SOLAS
	2	Application	Maritime communications	Portable station DSC
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G2B, G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	0,5 W - 6 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption	ITU App. 18	
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-06	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-SOLAS
	2	Application	EPIRBs	EPIRB homing
	3	Frequency band	121.45-121.55 MHz	Center frequency 121.5 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth	A3X	
	6	Direction/Separation		
	7	Transmit power/Power density	100 mW max	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-07	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile-Satellite	GMDSS-SOLAS
	2	Application	INMARSAT	Inmarsat F77
	3	Frequency band	1626.5-1660.5 MHz	RX : 1525.0 - 1559.0 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth		
	6	Direction/Separation		
	7	Transmit power/Power density		
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-08	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-SOLAS
	2	Application	EPIRBs	
	3	Frequency band	406-406.1 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth		
	6	Direction/Separation		
	7	Transmit power/Power density	5 W e.i.r.p. max	Min 1.58 W e.i.r.p.
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-09	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile-Satellite	GMDSS-SOLAS
	2	Application	INMARSAT C	
	3	Frequency band	1626.5-1660.5 MHz	RX : 1525.0 - 1559.0 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth		
	6	Direction/Separation		
	7	Transmit power/Power density		
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C01-10	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile-Satellite	GMDSS-SOLAS
	2	Application	INMARSAT	EGC Receiver
	3	Frequency band	1525-1559 MHz	RX
	4	Channelling		
	5	Modulation/Occupied bandwidth		
	6	Direction/Separation		
	7	Transmit power/Power density		
	8	Channel access and occupation rules		
	9	Authorisation regime	Licence exempt	
	10	Additional essential requirements	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	Regulation (EU) 2017/306 indicating design, construction and performance requirements and testing standards for marine equipment	Directive 2014/90/UE on marine equipment
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-01	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-non SOLAS
	2	Application	NAVTEX	
	3	Frequency band	517.5-518.5 kHz	Center frequency 518 kHz; secondary frequencies 490 kHz of 4209,5 kHz
	4	Channelling		
	5	Modulation/Occupied bandwidth	F1B; 1kHz	
	6	Direction/Separation		
	7	Transmit power/Power density		
	8	Channel access and occupation rules		
	9	Authorisation regime	Licence exempt	
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 065	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 1 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-02	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-non SOLAS
	2	Application	DSC	
	3	Frequency band	1605-4000 kHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	J3E, J2B, F1B	
	6	Direction/Separation		
	7	Transmit power/Power density	400 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 373; EN 300 338; EN 303 402	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-03	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-non SOLAS
	2	Application	DSC	
	3	Frequency band	4000-27500 kHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	J3E, J2B, F1B	
	6	Direction/Separation		
	7	Transmit power/Power density	1500 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 373; EN 300 338; EN 303 402	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-04	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	GMDSS-non SOLAS
	2	Application	Maritime communications	On board fixed station DSC
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G2B, G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	0,5 W - 25 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption	ITU App. 18	
Informative part	12	Planned Change		
	13	Reference	EN 301 025; EN 300 162; EN 301 466; EN 300 338	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-05	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-non SOLAS
	2	Application	Maritime communications	Portable station DSC
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G2B, G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	0,5 W - 6 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption	ITU App. 18	
Informative part	12	Planned Change		
	13	Reference	EN 302 885; EN 300 162; EN 300 225; EN 300 338	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-06	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-non SOLAS
	2	Application	EPIRBs	EPIRB homing
	3	Frequency band	121.45-121.55 MHz	Center frequency 121.5 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth	A3X	
	6	Direction/Separation		
	7	Transmit power/Power density	100 mW max	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 152	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-07	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile (distress and calling)	GMDSS-non SOLAS
	2	Application	EPIRBs	
	3	Frequency band	406-406.1 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth		
	6	Direction/Separation		
	7	Transmit power/Power density	5 W e.i.r.p. max	Min 1.58 W e.i.r.p.
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 066	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C02-08	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile-Satellite	GMDSS-non SOLAS
	2	Application	INMARSAT C	
	3	Frequency band	1626.5-1660.5 MHz	RX : 1525.0 - 1559.0 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth		
	6	Direction/Separation		
	7	Transmit power/Power density		
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 301 426	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C03-01	V2.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Non-GMDSS
	2	Application	Maritime communications	On board fixed station
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	0,5 W - 25 W	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2000/637/EC (ATIS)	
	11	Frequency planning assumption	ITU App. 18 Rainwat	
Informative part	12	Planned Change		
	13	Reference	EN 300 698; EN 300 162; EN 301 466	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C03-02	V2.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Non-GMDSS
	2	Application	Maritime communications	Portable station
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	0.1 W - 1 W; 1 W - 6W	Maritime : 6 W with reduce power to 1 W Inland waterways : 0.1 W - 1 W
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2000/637/EC (ATIS)	
	11	Frequency planning assumption	ITU App. 18 Rainwat	
Informative part	12	Planned Change		
	13	Reference	EN 301 178; EN 300 698; EN 300 225	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C03-03	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Non-GMDSS
	2	Application	On-board communications	
	3	Frequency band	457.5125-457.5875 MHz	
	4	Channelling	6.25 kHz, 12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 2 W ERP	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 720; ITU R-1174-3	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C03-04	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Non-GMDSS
	2	Application	On-board communications	
	3	Frequency band	467.5125-467.5875 MHz	
	4	Channelling	6.25 kHz, 12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 2 W ERP	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 300 720; ITU R-1174-3	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-01	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Radionavigation
	2	Application	AIS	
	3	Frequency band	161.9625-162.0375 MHz	Centre frequencies 161.975 ; 162.025 MHz
	4	Channelling	25 kHz	
	5	Modulation/Occupied bandwidth	GMSK/FM	
	6	Direction/Separation		
	7	Transmit power/Power density	12.5 W max	
	8	Channel access and occupation rules	TDMA	
	9	Authorisation regime	An individual licence is required.	
	10	Additional essential requirements	Decision 2005/53/EC	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 61993; EN 60945	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-02	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Ship Movement	Radionavigation
	2	Application	Maritime radar	Maritime radar (non SOLAS)
	3	Frequency band	2900-3100 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	P0N	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 32 MW e.i.r.p. peak	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 60945; EN 62252; EN 60936; EN 302 248	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-03	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Ship Movement	Radionavigation
	2	Application	Maritime radar	Inland waterways radar
	3	Frequency band	9300-9500 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	P0N	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 10 kW peak outpout power Max 10 MW peak e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 302 194	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-04	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Ship Movement	Radionavigation
	2	Application	Maritime radar	Maritime radar (non SOLAS)
	3	Frequency band	9300-9500 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	P0N	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 25 kW peak outpout power Max 50 MW peak e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 302 248	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-05	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Radionavigation
	2	Application	SAR (navigation)	Radar SART
	3	Frequency band	9300-9500 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	P0N	
	6	Direction/Separation		
	7	Transmit power/Power density	400 mW	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 60945; EN 61097	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-06	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Radionavigation
	2	Application	Maritime navigation	Radar target enhancers (RTE)
	3	Frequency band	9300-9500 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	P0N	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 10 W peak e.i.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2013/638/EU	
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 302 752	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-07	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Radionavigation
	2	Application	SAR (navigation)	Personnal Homing Beacon
	3	Frequency band	121.45-121.55 MHz	Center frequencies 121.5 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth	A3X	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 100 mW e.r.p	Min 25 mW e.r.p
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 302 961	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-08	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Radionavigation
	2	Application	SAR (navigation)	AIS SART
	3	Frequency band	161.9625-162.0375 MHz	Center frequencies 161.975 ; 162.025 MHz
	4	Channelling		
	5	Modulation/Occupied bandwidth	GMSK/FM	
	6	Direction/Separation		
	7	Transmit power/Power density	600 mW e.r.p.	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 303 098	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C04-09	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Radionavigation
	2	Application	DSC	DSC SART
	3	Frequency band	156.525-156.525 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	G2B	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 500 mW e.r.p.	Min 100 mW e.r.p.
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	
	10	Additional essential requirements	Decision 2013/638/EU	The locating beacon shall have an integral DSC receiver capable of receiving distress acknowledgements. On receipt of a properly addressed distress acknowledgement the locating beacon shall stop transmitting and indicate that the distress alert has been acknowledged.
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 303 132	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C05-01	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Coast stations
	2	Application	Maritime communications	
	3	Frequency band	156-163 MHz	
	4	Channelling	12.5 kHz, 25 kHz	
	5	Modulation/Occupied bandwidth	G3E	
	6	Direction/Separation		
	7	Transmit power/Power density	Transmit power limit according to license	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements	Decision 2000/637/EC (ATIS)	
	11	Frequency planning assumption	ITU App. 18 Rainwat	
Informative part	12	Planned Change		
	13	Reference	EN 301 929	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	

BELGIUM	Radio Interface Specification	Maritime	C05-02	V1.1 -
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	Nr	Parameter	Description	Comments
Normative part	1	Radiocommunication Service	Maritime Mobile	Coast stations
	2	Application	Maritime navigation	CS/VTS/HR
	3	Frequency band	8750-9300 MHz	
	4	Channelling		
	5	Modulation/Occupied bandwidth	P0N	
	6	Direction/Separation		
	7	Transmit power/Power density	Max 100 kW peak outpout power	
	8	Channel access and occupation rules		
	9	Authorisation regime	An individual licence is required.	An operator certificate is required
	10	Additional essential requirements		
	11	Frequency planning assumption		
Informative part	12	Planned Change		
	13	Reference	EN 303 135	Only the version(s) mentioned in the most recent list of Harmonised Standards under the directive 2014/53/EU (RED) as published by the European Commission in the OJEU can be used to enjoy presumption of conformity.
	14	Notification number		
	15	Remarks	Class 2 according Decision 2000/299/EC	