

QUESTIONARIO SULL'IMPIEGO DELLA BANDA DI RADIODIFFUSIONE

QUESTIONS	COUNTRY	FRANCIA - CSA	GERMANIA	REGNO UNITO
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GENERAL OVERVIEW:				
1. Is the MF frequency band (526.5 – 1606.5 kHz) allocated to broadcasting service on a primary basis in your Country ?		yes	No	yes
2. Is there, in the same band, any secondary allocation to other services?			No	Yes, there are a small number of aeronautical radio navigation services.

<p>3. Is there in operation, in the MF band, any private/commercial sound broadcasting network?</p>	<p>Only public service broadcast in MF band</p>	<p>Very small usage</p>	<p>Yes, by downloading the MF Dataset reference by this link http://stakeholders.ofcom.org.uk/broadcasting/guidance/tech-guidance/tech_parameters/ you will be able to identify all MF services in the United Kingdom. Any non-BBC service is commercial.</p>
<p>4. Is there any request for new stations coming from existing operators or new operators? If yes, which rule/contraints apply? (e.g. area limitation, power limitation, etc.)</p>	<p>The CSA has launched a consultation in 2013 in order to receive the opinion of operator about this band. The synthesis is available : http://www.csa.fr/Etudes-et-publications/Les-dossiers-d-actualite/Synthese-de-la-consultation-publique-du-19-mars-2013-en-vue-d-un-appel-a-candidatures-en-radio-en-ondes-moyennes-dans-les-regions-Ile-de-France-Aquitaine-et-Bretagne</p>	<p>There are no requests</p>	<p>Yes. These requests are mainly for community services that have a coverage area of 5 to 20 km radius.</p>
<p>TECHNOLOGY AND FUTURE USE:</p>			

5. Is the band still used for analogue broadcasting service? Is the usage of the band made according to the GE75 Plan?	Yes, for both questions	Analog service diminishing assignments according GE 75	Yes to both questions.
6. Has it been considered any coexistence between analog and digital broadcasting techniques in the MF band?	There was a question about this item in the consultation launched (see above).	Yes but with digital sfn approach	No
7. Is it foreseen to still use this band in the future for providing broadcasting service? If not, what alternative specific usage is planned?	No plan at this time.	It depends on request	It is expected that services will continue in the MF band although it is expected that a significant number of services might migrate to DAB at some point in the future. However, due to the groundwave propagation characteristics of MF services there may be some problematic loss of coverage through the use of band III frequencies.
8. Which type of digital sound modulation technique is used or planned to be used in that band (DRM, DRM+,)?	If digital service will be broadcast above this band, DRM+ would be used	May be in the future if codec technique will improve, with DRM+ approach	To date no consideration has been given to this in the UK.

<p>9. Is there any ongoing transition process from analogue to digital? Is it harmonized with the GE75 Plan?</p>	<p>No plan at this time</p>	<p>No</p>	<p>No and none is planned at present</p>
<p>10. Is it envisaged for the next future any transition process from analogue to digital in that band? Is it harmonized with the GE75 Plan? What is the scheduled timing?</p>	<p>No plan at this time.</p>	<p>May be in the future depend on request according GE75 plan</p>	<p>No transition is planned.</p>
<p>11. Relating to the transition process from analogue to digital (existing or planned) what technical rules do you have considered? For example, is it intended to convert, within the GE75 Plan frame, the existing analogue transmissions by applying the simple recommended rule of the 7 dB power reduction?</p>	<p>No plan at this time.</p>	<p>At first instance with the 7 db reduction approach</p>	<p>N/A</p>

<p>12. Is it also intended to follow the Rec. ITU-R BS 1615 "Planning parameters for digital sound broadcasting at frequencies below 30 MHz" ?</p>		No	<p>Should the UK decide to migrate analogue services to digital in the band the ITU recommendation would be our starting point. However, we would quite probably seek dialogue with other administrations in order to optimize networks.</p>
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ISIONE IN ONDE MEDIE (526.5 – 1606.5 kHz) IN ALCUNI PAESI EUROPEI - SINTESI DELLE RISPOSTE RICE

MALTA - Malta Communications Authority	SVIZZERA - OFCOM	SLOVACCHIA - Regulatory Authority for Electronic Communications and Postal Services	PORTOGALLO - ANACOM	REPUBBLICA CECA - CTU
yes	Yes	The MF frequency band 531 – 1602 kHz is allocated to broadcasting service on primary basis in the Slovak Republic	Yes, it is	Yes
No, but short range devices operating in accordance with Commission Decision 2006/771/EC as amended, are allowed to make use of this band	No	The MF frequency band 526.5 – 1606.5 kHz is allocated on secondary basis in the Slovak Republic to following services: Aeronautical radio navigation; Inductive applications; Inductive applications used for radio frequency identification; Ultra low power – animal implant devices.	SRD's are allowed under the conditions defined in ERC/REC 70-03 (annex 9 and 12)	No

<p>Yes, currently we have one station in operation</p>	<p>Not anymore</p>	<p>No, public broadcasting network only</p>	<p>Yes, there are two private networks in the MF band</p>	<p>Yes</p>
<p>Yes. The constraints that will be applied will be those resulting from the relevant frequency coordination process which is currently under way. In addition, operators will be required to comply with the emission standards of ICNIRP</p>	<p>No</p>	<p>No, not at the present time</p>	<p>No requests for AM stations have been received for some years. However if there is a requirement, we would apply the GE75 rules.</p>	<p>No</p>

The current transmissions are analogue and the usage is in accordance with the GE75 plan	No	Yes	Yes, the band is used by analogue stations only, and according the GE75 Plan	Yes, analogue BC in accordance with the GE75 Plan
No, due to limited demand for the MF band	No	No	Not until now; any interest has been shown on digital broadcasting techniques in this band	No
No, plans are currently in place to change the usage of the frequency band under reference	Not yet	Yes	At this time, there are no plans to change the use of this band	Yes
Digital modulation techniques for this band have not been considered as yet	None	It depends on network operator approach	Not applicable at the moment	No such plan; see Q7

No	No	No	No, there is not	No
No		No, not at the present time	See answer to question 9	No digitalisation plan is prepared nor considered
N/A	Needs to be studied	In the case of transition from analogue to digital sound broadcasting in the MF band the Regulatory Authority will proceed in accordance with international agreements regarding sound broadcasting service planning, while taking into account relevant CEPT and ITU documentation	Not applicable at the moment	See the answers above

In considering digital technologies, this Recommendation will be duly taken into account		See 11	Not applicable at the moment	No
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NOTE

LETTONIA	FINLANDIA - FICORA	BULGARIA	UNGHERIA - NMHH	TURCHIA - ICTA
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Yes	Yes	Yes	Yes	Yes
No	No	9-600 kHz–active medical implants and their associated peripherals; 984-7484 kHz –railway transport applications	Yes, aeronautical radionavigation service	No

	YES, there is some temporary private/commercial operations time occasionally e.g. in different kind of events	For the time being the Bulgarian National Radio – public radio operator, only has been in operation, in the MF band	No	There is no private/commercial sound broadcasting network in MF band
No	YES , according to the GE75 plan	Yes, we do have a request coming from a new undertaking for the provision of resource in this band. The technical parameters, which have to be determined, are: area limitation , power limitation and antenna system. TECHNOLOGY AND FUTURE USE: CRC has also been conducting a research on the best practices and the perspectives for the introduction of digital radio broadcasting in this band	Between 2004 and 2010 an MF network was operated by a new broadcaster, between 2008 and 2012 a new local station was in operation. The national regulations prescribe the use of the constrains of the GE75 Agreement	Yes, only the public broadcaster TRT (Turkish Radio and Television Organization) requests new stations. Rules are applied according to the GE75 Plan depending on circumstances (area limitation and/or power limitation).

1 485.0KHz broadcaster "RNI Radio", analogue radio programme "Radio Merkurs"	YES, usage according to the GE75 Plan	Yes	Yes	Yes. Only the TRT is using this band according to the GE75 Plan
Today no interest to provide digital broadcasting services in this band	NO PLANS	The possibility has been envisaged	According to the national regulations digital and analog stations are allowed to be used in this band.	TRT is capable of analog and digital broadcasting for one station in MF band. But, it is being made only analog broadcasting, currently
Band is only for technology neutral broadcasting	Currently used for Bc, future use is not under discussion	For the time being it has been envisaged to be used for providing broadcasting service on a primary basis	Yes	Yes
Today no interest to provide digital broadcasting services in this band	NO PLANS	CRC has undertaken a research on the best practices and the perspectives for the introduction of digital radio broadcasting in this band	According to the national regulations only DRM is allowed to be used in this band as digital technology	TRT is capable of using DRM modulation. But, it is planned that the latest digital technology will use in the future

Today no interest to provide digital broadcasting services in this band	NO	For the time being the transition process from analogue to digital in this band has not started in Bulgaria yet. CRC has also been conducting a research on the best practices and the perspectives for the introduction of digital radio broadcasting in this band	No	Yes there is. But, because of the fact that there is no digital receiver in Turkey, we have to wait for this
ask www.vases.lv	NO PLANS	See answer to question 9	No decision yet.	We have not yet applicable transition plan. In the future, it will be harmonized with the GE75, certainly
ask www.vases.lv	NO PLANS	See answer to question 9	No decision yet.	Yes. It is intended to convert, within the GE75 Plan frame, the existing analogue transmissions

ask www.vases.lv	NO PLANS	Yes		Not yet
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NORVEGIA - NPT	SERBIA - RATEL	SLOVENIA - AKOS
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Yes	Yes	Yes
Only Regulations concerning general authorisations for the use of radio frequencies (Inductive systems)	No	No

Yes	Only network of the Serbian broadcasting corporation (public service) is in operation. There are no commercial networks.	Yes
YES (Limited time test-licences like DRM). No exact area or power limitation	There are no requests	Yes

YES and according to GE75	The band is still used for analogue broadcasting, but not according to GE75 Plan (fewer sites are used and with lower power).	Yes, yes
No	No	Not jet
Not decided. Existing licenses are valid latest 2020. No specific usage is planned	According to national regulations the band is planned to still be used for broadcasting in the future	Yes
NA	According to National Allocation Plan: DRM (ETSI EN 302 245 standard)	DRM

No	There is no ongoing transition process.	No transition process
No	At the moment, no transition process is planned in the near future	No plans for transition for the time being.
Still not considered. So far the 7 dB power reduction is used	Not applicable	See 10

Not considered	Not applicable	See 10
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