



Bundesministerium  
für Wirtschaft  
und Technologie



# RADIO SPECTRUM POLICY GROUP

## RSPG Opinion on Common Policy Objectives for WRC-15

Joint EC - CEPT workshop of WRC-15 issues  
10<sup>th</sup> December 2013, Brussels

Rainer Wegner  
Chairman  
Federal Ministry of Economics and Technology  
GERMANY  
E-mail: [rainer.wegner@bmwi.bund.de](mailto:rainer.wegner@bmwi.bund.de)



### **RSPG opinion on the Radio Spectrum Policy Programme 1):**

in order that the European positions on spectrum use are successfully represented in dynamic international negotiations, the EC should identify areas of policy interests and priorities on forthcoming World Radio Conferences (WRC) agendas as soon as possible and should present policy objectives to the council and the European Parliament at the earliest stage in the preparation of WRC`s

### **RSPG opinion on the preparation of ITU WRC`s 2) recommends**

to develop and adopt an RSPG opinion for each WRC, proposing to the European Parliament, to the EU Council and the European Commission „Common Policy Objectives“ for the corresponding conference, to be adopted in time for the CPM.

1) RSPG10-330; 2) RSPG 09-294 3) RSPG12-442



Request for an Opinion  
on the preparation of  
Common Policy  
Objectives for  
WRC-15

RSPG Interim  
Opinion

Draft  
opinion

### Request for an opinion:

- To assist the Commission in preparing a Commission communication on EU Common Policy Objectives in time for WRC-15 to the Council and the European Parliament by identifying the main themes from the EU-Perspective and by identifying the common policy objectives for WRC-15;
- To offer guidance to Member States in developing ECP's;
- To suggest actions for the Commission in order to provide political support to promote common policy objectives in regular meetings between EU and Non-EU-countries.



Request for an Opinion  
on the preparation of  
Common Policy  
Objectives for  
WRC-15

RSPG Interim  
Opinion

Draft  
opinion

### Request for an Opinion....:



issues to be addressed (main themes)

- Spectrum for electronic communication services (WBDA)
- Spectrum for aviation, maritime and road safety purposes
- Spectrum for scientific use
- Regulatory procedures associated with satellite allocations/operation



#### Timing:

First draft February 2013 (Interim Report)

Final draft June 2014 ?



Request  
for an  
Opinion

RSPG Interim  
Opinion <sup>1)</sup>

Draft  
opinion

### **RSPG Interim Opinion...:**

↪ EU policy areas most likely relevant to WRC-15 Agenda Items identified:

- information society,
- internal market,
- environment,
- transport
- space policy,
- audiovisual policy,
- research and development and civil protection.
- Common Security and Defence Policy aspects .

1) RSPG13-525 approved May 31<sup>st</sup> 2013




Request for an  
Opinion

# RSPG Interim Opinion

Draft opinion

## Main themes with relevance to EU policies (AI):

### Information society – Electronic Communications

- [AI 1.1](#) – studies on additional spectrum requirements for mobile services incl. IMT; studies on potential candidate frequency bands, action: sharing and compatibility studies, target: RSPP 1200 MHz  1427-1452 MHz and 1452-1492 MHz  
3400-3600 MHz // 3600-3800 MHz
- [AI 1.2](#) – Res 232 (WRC-12) 694 – 790 MHz allocation to mobile service on co-primary basis - effective after WRC-15, ongoing studies to determine technical and regulatory conditions;
- [AI 1.3](#) - to review and revise Resolution 646 (Rev. WRC 12) for broadband public protection and disaster relief (PPDR), recommendations concerning technical and operational implementation;



Request for an  
Opinion

# RSPG Interim Opinion

Draft opinion

## Main themes with relevance to EU policies (AI):

### Space policy

- **AI 1.6** – new primary allocations for the GEO-FSS (250 MHz between 10 GHz and 17 GHz in Region 1; two satellite service allocations (FSS & BSS) involved;
- **AI 1.7** – review use of the band 5091 – 5150 MHz by the FSS (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the MSS (which operate in the fixed-satellite service): remove the time limitation to FSS
- **AI 1.8** - review of the regulatory arrangements for Earth Stations on Vessels (ESVs) Revision of provisions would support the use of ESVs as well as the European space and maritime industries; while other services are protected;
- **AI 1.9** - new allocations for the fixed satellite service in the band 7150 – 7250 MHz (s - E) and 8400 – 8500 MHz (E – s) (AI 1.9.1) and 7375 – 7750 MHz and 8025 – 8400 MHz to the maritime mobile service (AI 1.9.2) => European space industry (European military telecommunications satellites )
- **AI 1.10** potential mobile satellite spectrum in the frequency range 22 – 26 GHz relevant to both electronic communications and space policy; outside EU



Request for an  
Opinion

RSPG Interim  
Opinion

Draft opinion

## Main themes with relevance to EU policies (AI):

### Transport Policy

- [AI 1.5](#) – use of certain bands allocated to the FSS for the control and non-payload communications of UAS in non-segregated airspace to ensure usage of UAS for long distance flights => support the Single European Sky initiative as well as the European aviation industry;
- [AI 1.15](#) –improvement/extension of maritime mobile on-board UHF communication;
- [AI 1.16](#) - consider regulatory provisions and possible new allocation(s) to facilitate new Automatic Identification System (AIS) technology for both satellite and terrestrial applications => enhancements of maritime safety vhf (VDES) communications => also in interest to the European satellite industry;
- [AI 1.17](#) – to consider allocations and regulatory provisions for Wireless Avionics Intra-Communications (WAIC) => potential safety benefits/global operation;
- [AI 1.18](#) - consider a primary allocation to the radiolocation service for automotive applications in the 77.5 – 78 GHz band to support a globally harmonised continuous band with benefits to the automotive industry in terms of economies of scale / costumers in terms of long cycles of use.





Request for an  
Opinion

# RSPG Interim Opinion

Draft opinion

## Main themes with relevance to EU policies (AI):

### Scientific use of Spectrum

- [AI 1.11](#) – to consider a primary allocation to the Earth Exploration Satellite Service (Earth to space) in the 7 – 8 GHz range as alternative to the congested bands around 2 GHz for TT&C => interest of “*European Space Agency*”
- [AI 1.12](#) – extension of the current primary allocation to the Earth Exploration Satellite Service (active) in the band 9300 - 9900 MHz range by up to 600 MHz within the overall 8700 – 10500 MHz frequency range could be used by the next generation of high resolution synthetic aperture radars (SAR) which will complement “*Europe’s Global Monitoring for Environment and Security Programme*” (GMES).
- [AI 1.13](#) – to review footnote No. 5.268 to the RR with a view to relaxing the 5 km distance limitation for the space research service used for communications between space vehicles => 410 – 420 MHz is used by ISS (need to communicate with other vehicles beyond the 5 km limit);
- [AI 1.14](#) – to consider the feasibility of achieving a continuous reference time-scale;
- CEPT: S studies on the feasibility of achieving a continuous reference time-scale



Request for an  
Opinion

# RSPG Interim Opinion

Draft opinion

## **Main themes with relevance to EU policies (AI):**

### AI 10: Future Agenda Items:

There may be a need to identify, as soon as possible, opportunities to promote European policies through action at future WRCs with the objective to promote European arrangements at a global level.

There may also be a need, slightly departing from previous procedures to address ongoing issues of European interests which may be of high relevance to be proposed to the subsequent conference (WRC-18).



Request for an  
Opinion

RSPG Interim  
Opinion

Draft RSPG  
opinion

## Identification of European spectrum interests and priorities

Development and Improvement of the RSPG Interim Opinion on Common Policy Objectives for WRC-15 by:

- developing and describing „*Elements for a common policy objective*“
- Action regarding non-EU-countries, where appropriate

RSPG  
draft  
Opinion



Public  
Consultation



Final  
approval

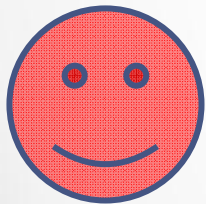


Request for an  
Opinion

RSPG Interim Opinion

Draft  
RSPG  
opinion

**Feel invited to participate/contribute**



**Thank you very much**