

The logo for the Radio Spectrum Policy Group (RSPG) features the acronym 'RSPG' in a bold, orange, sans-serif font. The letters are contained within a white, stylized shape that resembles a signal or a speech bubble, with a gradient from white to light orange. This shape is set against a background of horizontal lines in shades of blue and white, which is part of a larger graphic design at the top of the slide. The top of the slide also features a red and orange abstract pattern.

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## **RSPG Fifth Stakeholder Workshop: Update on the Work Programme for 2018 and beyond**

Stockholm, 15 May 2018

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**Jonas Wessel**

Chair RSPG 2018-2019

## **Agenda**

1. Welcome and Introduction
2. European Electronic Communications Code
3. European Spectrum Strategy
4. 5G Implementation Challenges
5. WRC-19
6. Peer review Platform
7. Good offices
8. Summary

## What is RSPG?

- The Radio Spectrum Policy Group brings together all Europe's national spectrum managers
- It has been Europe's expert on spectrum policy for fifteen years
- Key to setting European Spectrum Policy
  - Secondary Trading, Service and Technology Neutrality, Digital Dividend, Radio Spectrum Policy Program, UHF & 700, Awards, etc.

## **RSPG stakeholder workshops**

- London (March 2016), Brussels (Oct 2016), Paris (March 2017) and Warsaw (Oct 2017)
- Transparency and dialogue
- Input from local stakeholders
- Active participation

## **RSPG WG European Electronic Communications Code**

**Emilia Ulelay (HU)**  
Co-rapporteur

**Sören Nübel (DE)**  
Co-rapporteur

**Didier Chauveau (FR)**  
Co-rapporteur

## **As EECC moves in implementation phase**

- To assess impact on
  - RSPG's role
  - RSPP
  - Areas of common interest and cooperation with BEREC
- To review/update as appropriate
  - Rules of Procedure

## **Enhanced Cooperation and coordination (I)**

- Contributing on strategic planning, coordination and harmonisation of the use of radio spectrum
- Identifying best practices on spectrum related matters



## **Enhanced Cooperation and coordination (II)**

- Preventing cross border interference by enhanced “Good offices”
- Enhanced “Peer review” to further improve spectrum awards across Europe

## **RSPG WG European Spectrum Strategy**

**Philip Marnick (UK)**

Co-rapporteur

**Jonas Wessel (SE)**

Co-rapporteur

**Frank Krüger (DE)**

Co-rapporteur

## **RSPG WG European Spectrum Strategy**

- New work item on the 2018-19 Work Programme
- The RSPG leading European thinking on a medium to long term spectrum strategy
- Seeks to facilitate discussion among Member States about technological and market evolution.
- Spectrum management has the potential to facilitate that evolution, not least by removing barriers to enable innovation

## **RSPG WG European Spectrum Strategy**

- The discussions could include the consideration of;
  - the future use of certain bands
  - the relationship between decisions taken about particular bands
  - spectrum management principles such as sharing and authorisation that cut across different bands
  - the objectives of spectrum management and its impact on other digital policy fields
- And should almost certainly seek to challenge established thinking about spectrum management

## **RSPG WG European Spectrum Strategy**

- The output is likely to be a report
- WG will host a series of workshops
- Keen to seek input from external experts and stakeholders as well as RSPG Members.
- Workshop dates to follow

## **RSPG WG 5G Implementation Challenges**

**Bo Andersson**

Co-rapporteur (SE)

**Tassos Lyratzis**

Co-rapporteur (EL)

## **5G Implementation Challenges**

2016: 1<sup>st</sup> opinion to guide European Commission and industry on 5G bands

- 3.4-3.8 GHz primary band for 5G (capacity for new services in urban areas)
- 5G can use existing EU harmonised mobile bands, in particular 700 MHz (enabling coverage)
- 26 GHz pioneer mm band in Europe (enabling innovative new services)

2108: 2<sup>nd</sup> opinion on strategic and regulatory issues

- Sharing issues
- Authorisation models
- The challenge of 5G coverage
- Relevance of 5G to IoT, ITS and verticals
- Ultra-dense networks considerations
- Long term 5G mm-wave frequency bands

## **5G Implementation Challenges**

RSPG plans to present an analysis with a view on how to defragment the 3.4-3.8 GHz band in EU.

RPSG will assess the impact of the future use of 5G technology in other areas than mobile broadband (internet of things, intelligent transportation and other verticals) and initiate further work where necessary.

RSPG will engage to enable information and experience sharing in support of a successful roll-out of 5G in EU.



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## **RSPG WG WRC-19**

**Thomas Ewers**  
**on behalf of Alexander Kühn (DE)**  
Rapporteur

## Opinion on WRC-19

- Baseline: Interim Opinion from Feb. 2017 with identified key Agenda items for Europe
- Categorisation of Recommendations to EC for those items:
  - Case A: Requirement of an EU Position
  - Case B: Desired EU Position
  - Case C: Common view w/o required EU Position
- Identified policy areas
  - Case A items: 1.9.1; 1.10; 1.12; 1.13; 1.16
  - Case C items: 1.5; 1.6; 1.7; 1.8; 1.14

Electronic  
communications  
connectivity

Space

Transport

Science

Single Market

Security and  
defence

## **Supplementary Opinion on EU Coordination at WRC's**

- RSPG Opinion from 2009 on WRC preparation requires a review.
- RSPG believes that a proper analysis on actions within EU coordination and recommendations to EC are beneficial
- Safeguard Europe's international influence on spectrum management.
- Final Opinion (Q1 2018)

## **RSPG WG WRC-19 next steps**

- Two meetings of WG WRC planned (Sep '17; Dec '18)
  
- Public consultation on final Opinion on WRC-19 (June-July 2018)
  
- Final Opinion
  - on WRC-19 (Oct 2018)
  - on EU Coordination at WRC's (Q1/2019)

## **WG Peer Review and Member State Co-operation on Authorisation and Awards**

**Sarah Murray (UK)**  
Co-Rapporteur

**Aleksander Sołtysik (PL)**  
Co-Rapporteur

## **RSPG WG Peer Review and Member State Cooperation on Authorisation and Awards**

- Established in 2017 to facilitate peer learning between Member States on spectrum awards and authorisation
- Seeks to collectively raise the standard of spectrum awards across the EU through the sharing of best practice and ‘lessons learnt’
- 2 main functions;
  - Member State hosted Peer Review workshops sharing experience and expertise of awards (either in the planning stage or already completed)
  - Peer Review platform, hosted on the CIRCABC website

## **RSPG Workshops on Spectrum Awards**

- RSPG encouraging more sharing of experience and expertise between Member States experts
- Workshops to date;
  - Joint Czech Republic / Slovak Republic on 3.5 GHz awards
  - Ireland on 3.5GHz
  - Joint 700MHz workshop (France, Germany, Sweden, Norway)
- Upcoming workshops;
  - Sweden 700MHz (May 2018)
  - UK 2.3GHz/3.4GHz (June 2018)
- In planning, together with RSPG WG 5G, joint workshop on 26GHz authorisation challenges.

## Peer Review Platform

- RSPG established the Peer Review Platform for spectrum awards and national assignment regulations of ECS spectrum.
- Hosted on the CIRCABC website. Access granted to Member State experts.
- 2 functions:
  - i. Library:
    - a repository for information regarding awards. MS encouraged to upload all relevant information (consultations, statements, auction regulations, outcomes etc).
    - Auction ‘factsheet’ – recognises potential language challenges and seeks to provide key award information in English



## Peer Review Platform

### ii. Peer-to peer messaging

- Peer-to-peer messaging system which allows award experts to post questions and queries for their counterparts in other Member States to engage with. The programme of workshops also helps to fulfil this function by helping to build a ‘network’ of auction experts.
- Contact points  
The Peer Review Platform consists of 55 Members from 25 countries.

## Next steps

- Forthcoming workshops including dedicated workshop on authorisation challenges for 5G
- Possible new responsibilities deriving from the European Electronic Communications Code

## **RSPG WG Good Offices**

**Eric Fournier**

RSPG co-rapporteur (FR)

**Mindaugas Zilinskas**

RSPG co-rapporteur (LT)

## **Interference from Italy**

TV interference not anymore a significant issue  
FM interference remains to be solved

### Next steps

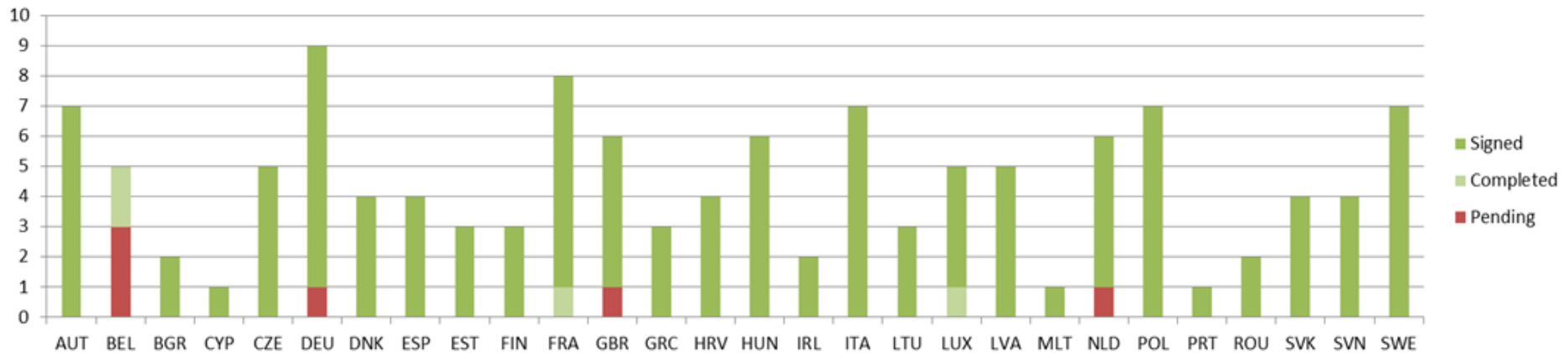
- Bilateral negotiations to cease interference on neighbours FM priority channels
- Longer term actions from Italy needed to facilitate the transitions of some FM programs to band III digital radio

## **Good offices for the 700 MHz band**

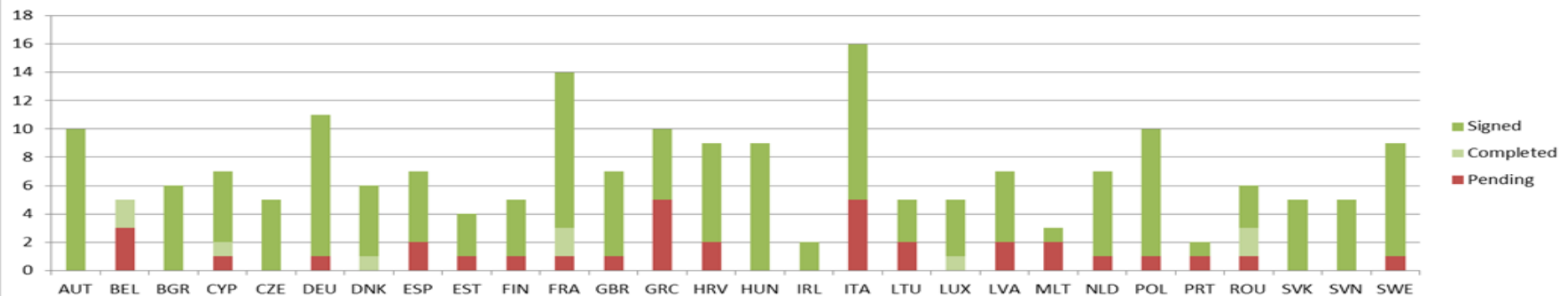
- All EU agreements signed before the deadline of 31<sup>st</sup> December 2017 (EU Decision on UHF band) except around Belgium
- 57 signed intra EU cross-border agreements 5 around Belgium are still missing
- Belgium administration has announced they will proceed soon with the signature with 4 countries
- EU assistance has been requested for coordination with countries outside EU (Albania, Lybia, Tunisia, Algeria, Turkey, Belarus and Russian Federation)

## UHF cross-border coordination agreements Status - 31<sup>st</sup> December 2017

### Coordination status between the EU countries



### Coordination status between all the countries



## **Good offices for the 700 MHz band**

### Next steps:

- Belgium : 2 letters from Jonas Wessel and from Mariya Gabriel to Mr Alexander De Croo, deputy Prime Minister and minister of Development Cooperation, Digital Agenda
- New questionnaire: deadline for adopting the national roadmap of 30th June 2018 – need for phasing the transitions among countries
- RSPG will provide technical support for EU assistance for coordination with countries outside EU
- Future RSPG Report on lessons from applying good offices to the 700 MHz band

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## **Summary**

**Jonas Wessel**  
RSPG Chair



**Thank you for coming today**

Further written submissions welcome (but not required) to [cnect-rspg@ec.europa.eu](mailto:cnect-rspg@ec.europa.eu)

RSPG news <http://rspg-spectrum.eu/>