ECC – COST TERRA Workshop on Cognitive Radio
Concluding discussion

BNetzA, Mainz, 3rd May 2012

Chairman: Mark Thomas
Director, ECO

Concluding session

- Finish by 15h00
- Industry-based panel
- Regulators, acedemia and industry in the room
- Questionnaire and results: panel and room discussion
- The three biggest conclusions ?
- What should ECC and ETSI focus on now?

Discussion panel

- Markus Mueck (Intel: Chair ETSI RRS)
- Pierre-Jean Muller (Huawei: V-Chair ETSI RRS)
- William Webb (CTO Neul; CEO Weightless)
- Jeff Schmidt (V-President Engineering, Spectrum Bridge)

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- and **you!** Regulators, academia, industry

Questionnaire (1 to 6)

- Will cognitive/geo-location equipment be available in UHF band (470-790 MHz)?
- ..and regulatory regime?
- ECC studies sufficient to enable CR in 470-790 MHz?
- Three other frequency ranges suitable for CR?
- Think of five applications for CR?
- Is CR viable for similar wireless applications in alternative bands?
- Which approach: 1)‘neutral’, or (2)‘scenario’ or (3)‘neutral with bundled scenarios’?

Questionnaire (7 and 8)

- Is harmonised approach for CR necessary? Why?
- Which domain for regulation and standardisation? What form of cooperation?

Conclusions?

- Large interest and demonstrated commitment to CR, especially in 470-790 MHz. But also other bands.
- More regulatory work needed to enable CR/geolocation equipment; harmonised approaches needed
- Geolocation database feasible: confidence needed in how to regulate devices that rely on it: 'keep it simple'
- Business model not certain ≠ 'there isn't one'
- Balance of views on construct of regulations: 'neutral' v 'specific scenario'
- Main applications all seem to have 'cheaper' alternatives now, but will they always be cheaper?
  - Localised wifi
  - M2M
  - Rural broadband (probably needs ASA?)

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- Three biggest pragmatic conclusions?
- What should ECC do next, to facilitate the initiatives that industry is ready to make ?
- What does industry or academia NOT want ECC to do (in any domain)?