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RFID: Spectrum

Additional Requirements

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Referat 424

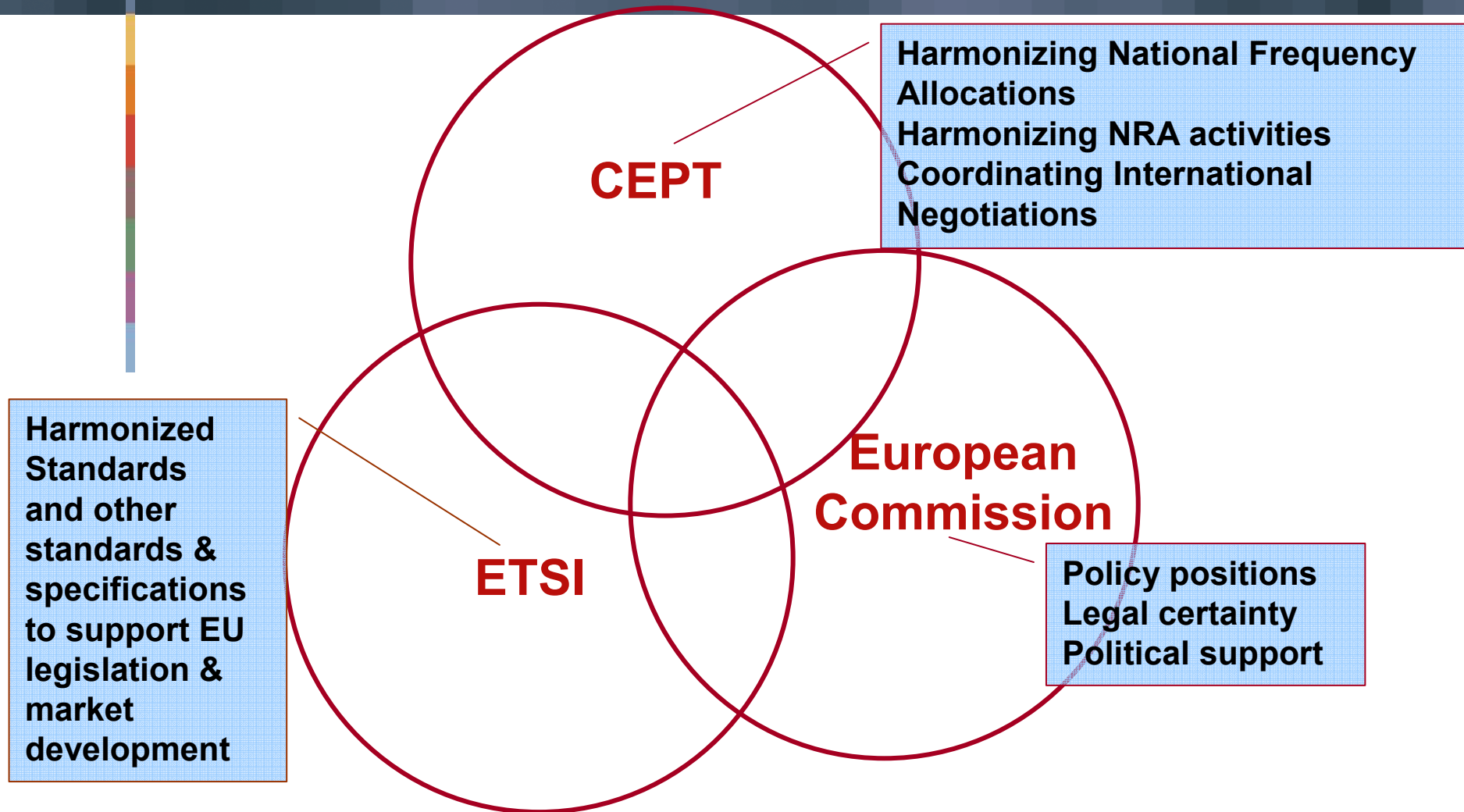
Technical Regulation and Standardization
(Mobile Radio Services)

ETSI Liaison Officer to ECC Working Group on Spectrum Engineering

Brussels, 24th October

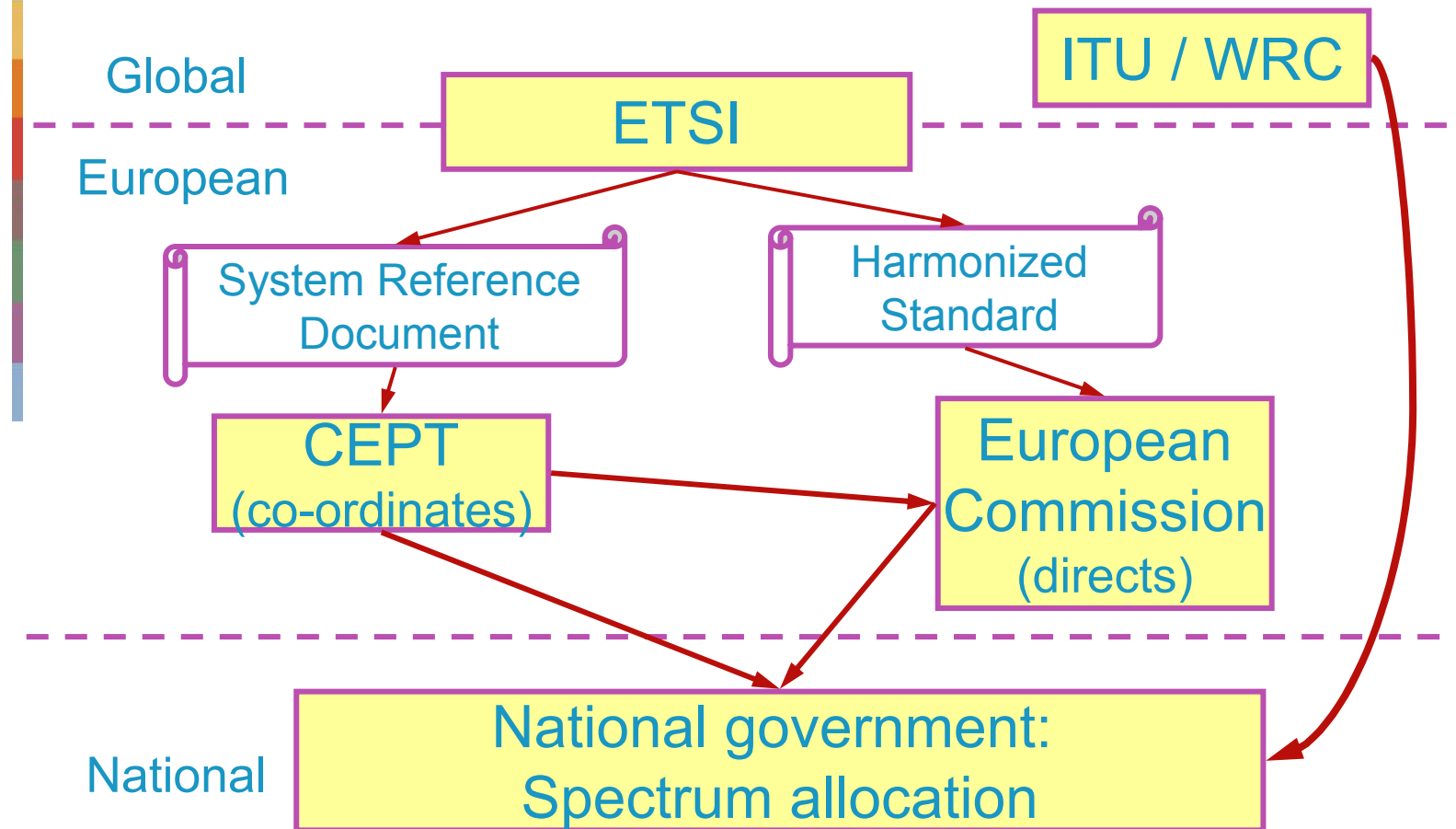


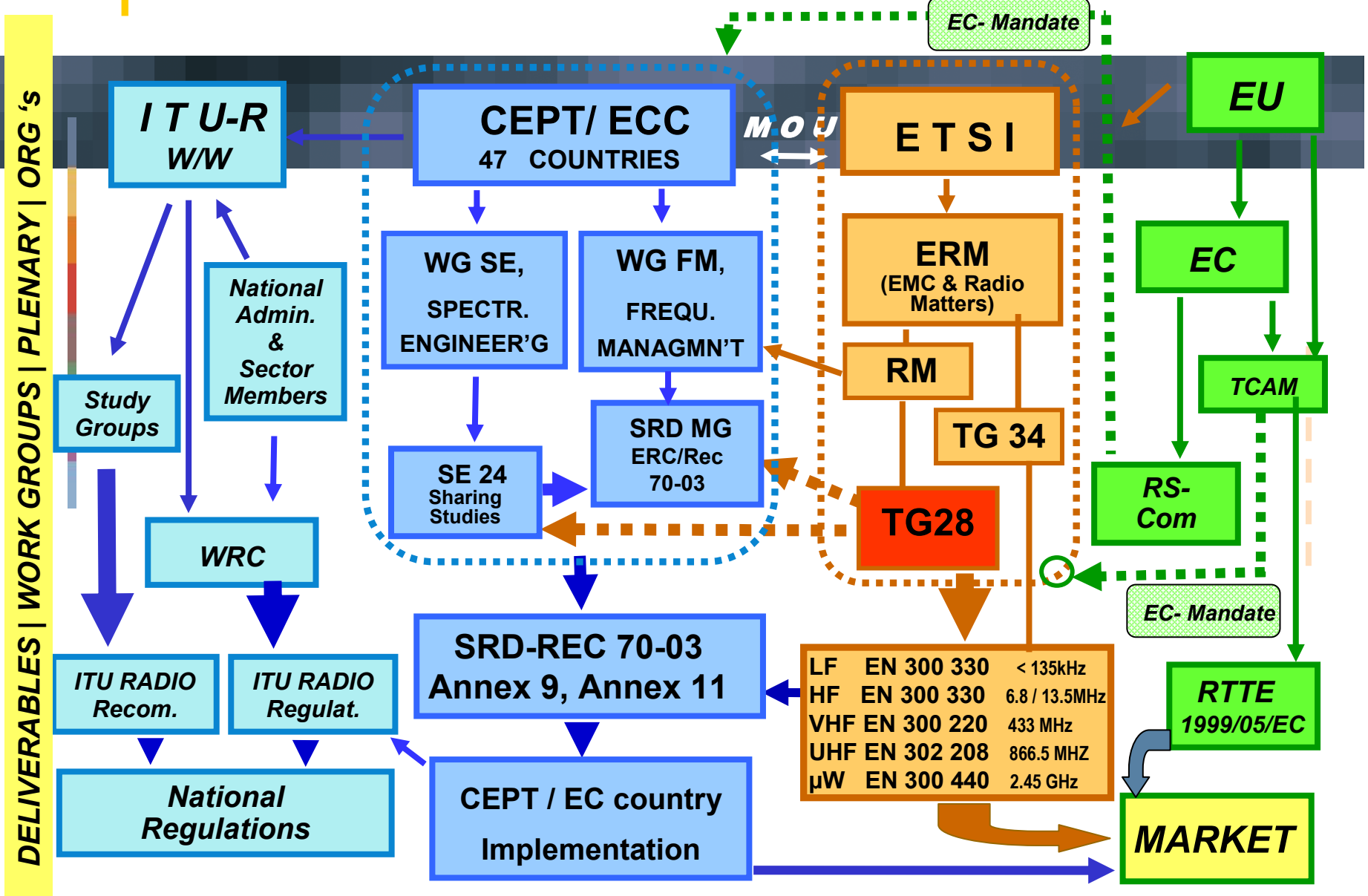
Collaboration is key





European spectrum - Key relations

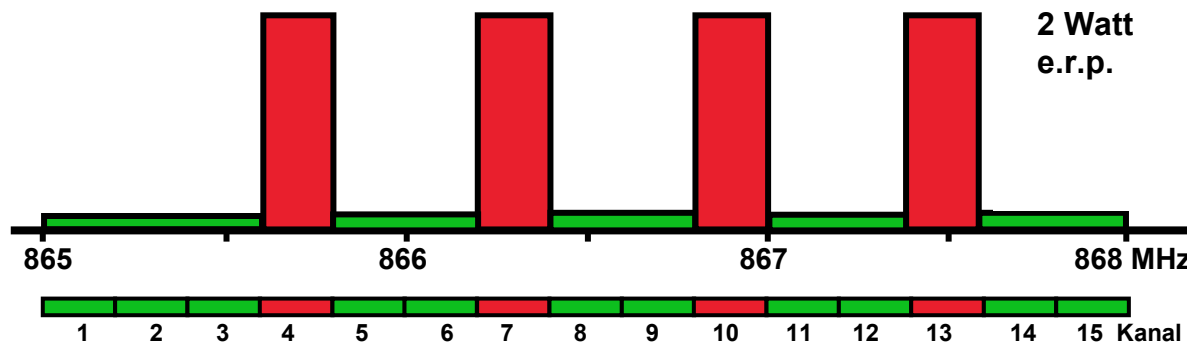






Current European UHF RFID spectrum

- ▶ so-called 4- channel plan
- ▶ Highly efficient compared with other regions e.g. US
- ▶ Proposal developed in ETSI
- ▶ No Listen-before-talk required anymore (ECC studies completed)





New ETSI Systems Reference Document

- ▶ Additional frequency requirements for UHF RFID and SRD
- ▶ Joint activity of RFID and SRD communities in ETSI
 - ▶ Additional demand for base performance and high performance RFID applications in UHF
 - ▶ Additional demand for mass market SRD applications (such as home automation, metering, alarms)
- ▶ Joint proposal
 - ▶ First stable draft will be finalized by December 2007 (Joint meeting ERM TG28 and ERM TG34) followed by submission to the ETSI internal consolidation process and submission of stable draft to CEPT (ECC WGFM)
 - ▶ Compatibility studies in ECC WGSE will follow
 - ▶ Proposal for new harmonized frequencies
 - ▶ Bands for proposal are identified: inside 870-876 MHz / 915-921 MHz is proposed for study
 - ▶ Attempting global harmonization around 915-919 MHz



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Thank you for your attention

Contact

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