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ETSI TM4 Liaison Report

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Venue:

Base Document:

Purpose:

Inform IEEE 802.16 about the Liaison activities with ETSI-TM4

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# **ETSI TM4 Liaison Report**

Marianna Goldhammer

IEEE 802.16 – ETSI TM4 Liaison  
Officer

# Contents

- Liaison activities
- TM4 current works
- What next ?

# IEEE 802.16 Chairman Liaison Activities

- Feb. 16
  - Roger responded positively to the TM4 collaboration proposal
    - My appointment as IEEE 802.16 – ETSI TM4 Liaison Officer was announced to TM4 chairman, Roberto Macchi

## IEEE 802.16 Liaison Officer Activities - 1

- Feb 23: forward the e-mail “IEEE Standards Now Recognized as References for ITU-T Standards”
- Feb. 23: Ask for TM4 chair permission to send the WP2 interim meeting papers to 802.16
  - Result: permission for sending output documents, after discussion and approval inside TM4

## IEEE 802.16 Liaison Officer Activities - 2

- Feb. 26
  - Transfer to TM4 the 802.16.2 Rev. 2 of:  
**"Recommended Practices to Facilitate the Coexistence of the Broadband Wireless Access (BWA) Systems"**
  - Transfer to IEEE 802.16 the **DETR/TM 04069 draft: "Transmission and Multiplexing (TM); Digital Radio Relay Systems (DRRS); Rules for the co-existence of point-to-point and point-to-multipoint systems using different access methods in the same frequency band"**

# IEEE 802.16 Liaison Officer Activities - 3

- Feb. 26
  - Ask Olivier van de Wiel, ETSI Technical Support Officer, to open a special folder on the TM4 server for IEEE 802.16 liaison activities
    - Result: folder opened on Feb. 29
- March 2
  - Inform TM4 chair and the Technical Support Officer, of the password protected, member limited, access on the IEEE server to TM4 documents

# ETSI TM4 Interim Meeting Work

- Turin Feb.27 – March 1 interim meeting agenda:
  - DEN/TM-04069 Co-existence standard
  - DEN/TM-04099 (EN301 213-5) 24,5 GHz to 29,5 GHz using different access methods; Part 5: Multi-Carrier Time Division Multiple Access (MC-TDMA) methods
  - DEN/TM-04097 40 GHz Multimedia Wireless Systems standard



# Results

- TM4 demonstrated good willing of cooperation
  - Very serious reaction
  - Comments provided very quickly

## What Next ?

- Identify the drafts relevant for 802.16
  - All the TM4 drafts are 90% coexistence
  - 802.16.2 - > 10GHz
  - 802.16.3 - < 11GHz (to come up)
- Transfer them to the 802.16a server
- Provide 802.16 inputs for the next TM4 meeting
  - 19-23 June, plenary meeting
    - ETSI dead line: 1 week before
    - 802.16 dead line: 10 days before

## What next-cont ?

- Identify possible references to TM4 work, for example:
  - P-P and P-MP coexistence
  - TDD study
- Send TM4 a response to the input paper submitted to this 802.16.2 meeting

## Why to collaborate with TM4?

- Same radio regulations for Europe and US
  - Channel spacing
  - Transmitter masks
  - Power limitations
  - Antenna characteristics
  - Coexistence parameters and rules

## Conclusion

- The TM4-802.2 liaison activities can have as effect:
  - similarity between radio requirements for US/Canada and Europe
  - indirect influence on FCC and CEPT to provide similar channel spacing
  - Influence on ETSI relevant standards for supporting the 802.16 PHYs