

## Liaison Report between 802.22 and 802.15

IEEE P802.22 Wireless RANs

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## **Latest news in 802.15 regarding TV white space**

- **802.15.4m PAR was approved by SASB**
- **Official meeting was held in Okinawa**
- **Second meeting was held in Atlanta**
  - 4 time slots (Monday PM1 and PM2, Wednesday PM1 and PM2)
  - Review and discuss Technical Guidance Document(TGD)
  - Technical presentation
  - Discuss future efforts and next steps

## 802.15.4m PAR/Scope

This amendment specifies **a physical layer** for 802.15.4 meeting TV white space regulatory requirements in as many regulatory domains as practical and also any necessary **MAC changes needed to support this physical layer**. The amendment enables operation in the available TV band white spaces, **supporting typical data rates in the 40 kbits per second to 2000 kbits per second range**, to realize optimal and power efficient device command and control applications.

(From doc.: IEEE 802.15-11-0337-05-04tv )

## **15.4m Leadership**

- **Chair: Samsung Choi**
- **Vice Chairs: Phil Beecher, Hiroshi Harada**
- **Secretaries: Kunal Shah, Alena Liru Lu**
- **Technical Editors: Chin Sean Sum, Clint Powell**

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- Complexity and Cost considerations
  - Definitions

## References

# Contributions

<b>TVWS regulation and functional requirements</b>	
Functional Requirement Document, Chin-Sean Sum (NICT)	787r0
Definitions and updates to Regulatory Requirements, Kunal Shah (Silver Spring Networks)	794r0
TV White Space Related Regulations and Activities for WPAN, Soo-Young Chang (CSUS)	796r0
<b>Technical contributions</b>	
Scanning issue for TG4m, Suhwook Kim (LG Electronics)	816r0
Impact of out-of-band emission limit in TVWS, Shigenobu Sasaki (Niigata University)	820r0

## Time line

Affirm new officers for TG4m	September 2011
Provide draft TGD	November 2011
Call for Intend	December 2011
Complete TGD /Call for Proposals	January 2012
Preliminary Proposals	March 2012
Final Proposals	May 2012
Adopt Baseline	July 2012
Preliminary draft	September 2012
Final draft (ready for WG Letter Ballot)	November 2012
Letter ballot	January 2013
Recirculation	March/May, July, September 2013
Sponsor ballot	November 2013