

**Project: IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs)**

**Submission Title:** [Information on WRC-19 agenda item 1.15]

**Date Submitted:** [20 January 2016]

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**Abstract:** [The aim of this contribution is to provide the information on WRC-19 agenda item 1.15.]

**Purpose:** [To assist to develop the possible operational frequency bands for TG3d devices.]

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## 2015 World Radiocommunication Conference (WRC-15)

- WRC-15 was held on November 2-27, 2015, in Geneva.
- More than 3,800 participants from 162 member countries came to Geneva to attend WRC-15 and amend the Radio Regulations.
- WRC-15 decided to recommend 16 agenda items for the World Radiocommunication Conference 2019 (WRC-19) .
- The agenda item 1.15 is to consider identification of frequency bands for use by administrations for the land-mobile and fixed services applications operating in the frequency range 275-450 GHz, in accordance with Resolution 767 (WRC-15) entitled “Studies towards an identification for use by administrations for land-mobile and fixed services applications operating in the frequency range 275-450 GHz”.
- This contribution is to provide the information on WRC-19 agenda item 1.15 to assist development of the possible operational frequency bands for TG3d devices.

# Resolution 767 (WRC-15)

*resolves to invite the 2019 World Radiocommunication Conference*

taking into account the results of ITU-R studies on sharing and compatibility between passive and active services as well as spectrum needs for those services, to consider identification for use by administrations for the land-mobile and fixed service applications operating in the frequency range 275-450 GHz, while maintaining protection of the passive services identified in No. 5.565, and take appropriate action,

## Resolution 767 (WRC-15) - cont'd

*invites ITU-R*

- 1 to identify technical and operational characteristics of systems in the land-mobile and fixed services operating at frequencies above 275 GHz;
- 2 to study spectrum needs of systems in the land-mobile and fixed services, taking into account the results of the above studies;
- 3 to develop propagation models within the frequency range 275-450 GHz so as to enable sharing and compatibility studies between the land-mobile, fixed and passive services in this frequency range;
- 4 to conduct sharing and compatibility studies between the land-mobile, fixed and passive services operating in the frequency range 275-450 GHz, while maintaining protection of the passive services identified in No. 5.565;
- 5 to identify candidate frequency bands for use by systems in the land-mobile and fixed services, taking into account the results of the studies under invites ITU-R 1, 2 and 4, and the protection of passive services identified in No. 5.565,

## Allocation of ITU-R preparatory work of WRC-19 agenda item 1.15

- Responsible Group: WP1A
  
- Contributing Group:
  - WP5A and WP5C will undertake studies with respect to the *invite ITU-R 1 and 2* for applications in the land-mobile and fixed services.
  - WP3J, WP3K and WP3M will undertake studies with respect to the *invite ITU-R 3*.
  - WP7C and WP7D will developed technical and operational characteristics of passive systems.
  
- Interested Group: WP4A, WP 5D and WP 6A