

TIA Technical Service Bulletin 10

Revision Update

NSMA Annual Conference
May 14-15, 2013

Larrie Sutliff, AT&T
Sutliff@att.net

Telecommunications Industry Association

TR-45 Committee

Mobile and Personal Communications Standards

Jane Brownley, Chair

Microwave Systems Working Group (MSWG)

Established by TR-45 at its March 9-10, 2013 meeting

George Kizer, Chair

Pat Picquet, Vice Chair

TR-45 Microwave Systems Working Group (MSWG)

Mission:

Revise TIA Technical Service Bulletin 10 Interference Criteria for Microwave Systems

- Current version is TSB-10F published June 1994
- Updated version will be TSB-10G
- Some previous work was done on 10G many years ago
- TSB-10 is recognized in the FCC rules

TIA TSB-10G

Interference Criteria for Microwave Systems

MSWS Plan of Action

- Form a group of contributors
 - Principally from NSMA
 - Group is open to additional volunteers
- Review existing proposed edits
- Identify sections that need revision
- Identify sections that need to be added
- Establish a timeline

TIA TSB-10G

Interference Criteria for Microwave Systems

MSWS Actions

- George has held teleconferences on April 24th (kickoff meeting) and May 8th
- Biweekly meeting schedule adopted
- Reviewing TSB-10F
 - Current early 10F with draft revisions
- Establishing a section on the website for each revision and new section

TIA TSB-10G

Interference Criteria for Microwave Systems

Revisions Identified to Date

- Correct analog systems information
 - Channel loading formulas (Will Perkins)
- Availability explanation (George Kizer)
 - US vs. ITU/EU meanings
- Automatic transmit power control (Tom Willis)
- Short-term/long-term revision (Will Perkins)
- Rain models (Tom Willis)

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Interference Criteria for Microwave Systems

New Sections Identified to Date

- Digital systems (Contributor needed)
- IP-based systems/radios (contributor needed)
- Adaptive modulation (Ian Marshall)
- BAS spectrum sharing (Dave Meyer & Kelly Williams)

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Interference Criteria for Microwave Systems

New Sections Identified to Date

- NLOS coordination (Tom Giuffrida)
- ITU harmonization with ITU document:
Interference for Microwave Systems
(Contributor needed)
- **You** are invited to propose additional issues!

TR-45 Microwave Systems Working Group (MSWG)

Next Meeting May 22nd, 2:30 PM ET, 1830 GMT

George Kizer, Chair
George.Kizer@alcatel-lucent.com

Summary

- TIA TSB-10F revision is underway
- TR-45 Microwave Systems Working Group (MSWG) is open to contributors
- Now is a good time to propose additional issues and support this effort

Thank you!