

## Report of Coexistence Study Group — Session #13 closing plenary

- New coexistence PAR drafted — as an amendment to 802.16.2-2001, with two new topics: coexistence with point to point systems and coexistence of systems in 2-11 GHz
- Timeline prepared
- Motion to approve submission of PAR to 802 ExCom

# PAR Scope statement

This project will develop extensions and modifications to 802.16.2-2001. These extensions and modifications will address two distinct topics. The first is the co-existence between multipoint (MP) systems and point to point systems, operating in the frequency range 10-66 GHz but with a focus on the range 23.5 to 43.5 GHz. Two types of point to point systems will be considered - those used by fixed BWA operators either for access or for self-provided backhaul, and those used as individually assigned links, commonly licensed on a first-come, first-served basis. The second topic is the coexistence of fixed BWA systems operating in licensed bands within the frequency range 2-11 GHz. Consequential clarifications to the existing document will be carried out, if necessary.

# Purpose Statement

The purpose of this amendment to the Recommended Practice is to provide additional coexistence guidelines to license holders, service providers, deployment groups, and system integrators, covering coexistence with point to point systems operating in the 23.5 - 43.5 GHz frequency range and coexistence of fixed BWA systems operating in the 2-11 GHz frequency range. The equipment parameter values contained within this amended practice will benefit license holders, equipment and component vendors and industry associations by minimising the need for case by case coordination and facilitating the deployment and operation of fixed BWA systems. A further purpose is to encourage voluntary processes that facilitate a simpler licensing process for systems operating below 11 GHz, and in particular in the 2.5 GHz MMDS/ ITFS bands in the USA.

# Timeline

- The sub 11 GHz work is considered the greater task and controls the timescale
- Estimate November 2002 to start sponsor ballot
- Estimate March 2003 to submit to Rev Com
- Point to point work could be 2-4 months earlier, if carried out alone
- Resources will be critical — need more sub 11 GHz expertise to participate — the opportunity is to complete the project earlier than our current estimates

## Timeline for new coexistence project

	plenary	elapsed	point to point	sub 11 GHz note 1
PAR approved	yes		Jul-01	Jul-01
identify simulation tools			Jul-01	Jul-01
prepare tools	yes		Nov-01	Nov-01
outline document	yes		Nov-01	Nov-01
evaluation of contributions			Jan-02	Jan-Mar 2002
First working document			Mar-02	May-02
WG Comment and review	yes		May-02	Jul-02
First draft	yes		Jun-02	Jul-02
ready for WG ballot			Jul-02	Sep-02
30 days ballot		30	Aug-02	Oct-02
comment resolution		10		
recirc 1		10		
comment resolution		10		
<b>ready for sponsor ballot</b>	<b>yes</b>		<b>Sep-02</b>	<b>Nov-02</b>
30 days ballot		30		
comment resolution		10		
recirc 1		10		
comment resolution		10		
final recirc		10		
to Ex Com			Feb-03	Feb-03
<b>to RevCom</b>	<b>yes</b>		<b>Mar-03</b>	<b>Mar-03</b>
Published			Apr-03	Apr-03

Note 1

Timetable for 2-11 GHz work is dependent on finding suitable contributions for the complex simulation work

Note 2

The point to point work if carried out alone would proceed more quickly