IEEE 802.16sgm-02/02

Broadband Mobile Wireless Access SG

Interim Plenary Report

Mark Klerer
Chair – MBWA SG Chair
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Progress

- Completed Review 10 Contributions
- Started forming consensus on issues to be resolved for PAR & Five Criteria
- Created base text for Scope of Proposed Project
- Created proposed liaison to T1P1

Agreement on Scope of Project

12. Scope of Proposed Project

This standard specifies the physical and media access control layer of the air interface of interoperable mobile broadband wireless access systems targeting aggregate channel data rates higher than 20Mbps. Channel data rates shall be scalable with the channel bandwidth. The user data rate may be allocated on a fully flexible and adaptive basis . This standard supports cell sizes appropriate to ubiquitous metropolitan-area networks and supports vehicular mobility classes (e.g REF) up to 250 km/h. It applies to systems operating in licensed bands allocated by the ITU-R or other radio regulators to the Mobile Service. Systems may employ either a TDD or an FDD channel structure. The air interface is designed to carry IP based traffic.

Text to be included in Section 18 (Additional Explanatory Notes) of PAR

Spectrum may be reallocated for mobile use. The proposed project will address those allocations.

Issues to Be Resolved in order to develop PAR and Five Criteria

- Market addressed (Purpose)
- Scope of Project Based on Market to be addressed
- Work to be done in SG vs in WG
- Point of Departure for work
- Recommendation on 802 Structure to deliver on the project

Means for Progress

- Chair will develop a consolidated comparison of the content of the two PAR/5C proposals.
- Will propose draft converged text based on content and discussion at this meeting.
- Encourage discussion of these proposals via e-mail. With intent of creating contributions in July.
- Encourage discussion on Departure Point and Structure issue on Exploder.

Purpose Section

C802.16SGM-02/02	C802.16SGM-02/08
13. Purpose of Proposed Project: To enable rapid worldwide deployment of innovative, cost-effective and interoperable multi-vendor mobile broadband wireless access products. To facilitate competition in broadband access by providing wireless mobile alternatives to fixed wireline broadband access. To facilitate coexistence studies, encourage consistent worldwide allocation, and accelerate the commercialization of mobile broadband wireless access spectrum. Utilization of frequencies from 0.45 to 6 GHz will address a market that includes residences, Small Office-Home Office (SOHO), telecommuters and Small and Medium Enterprises (SME).	13. Purpose of Proposed Project: To enable worldwide deployment of cost effective, spectrum efficient, ubiquitous, always-on and interoperable multi-vendor mobile broadband wireless access networks. To provide for the simplification of mobile data network architectures by providing an efficient packet based air interface. To provide for a channel organization that is compatible with frequency allocations worldwide for cellular wireless networks. To provide for a wireless data access architecture that transparently extends current wired data access architectures.

Proposed: To enable worldwide deployment of cost effective, spectrum efficient, ubiquitous, always-on and interoperable multi-vendor mobile broadband wireless access networks. To provide an efficient packet based air interface optimized for IP. To provide for a wireless data access architecture that transparently extends current wired data access architectures. Utilization of frequencies that are compatible with ITU-R and other regulatory agencies frequency allocations to Mobile Services will address end user markets that include access to Internet and intranet applications by mobile professionals as well as access to infotainment services