

Project	IEEE 802.20 Working Group on Mobile Broadband Wireless Access < http://grouper.ieee.org/groups/802/20/ >	
Title	Modifications in 802.20 TSP document	
Date Submitted	2006-11-13	
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Re:	IEEE 802.20, November 13-18, 2006	
Abstract		
Purpose	Modify section 3.4.1 items 9 and 10 of the 802.20 WG TSP to conform to 802.20 P&P and Modify the Table in Annex 1 comply with the 802.20 SRD.	
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Some changes to the TSP document are proposed to make the preparation of the draft in conformance with 802.20 P&P.

Changes to the section 3.4.1 items 9 and 10 of TSP document:

Approval of Initial Specification Draft

1. Having attained 75% support, the prevailing proposal will be adopted as the initial technical specification of IEEE 802.20 without further vote.
2. The IEEE 802.20 Editor shall prepare Draft 1.0 from this technical specification. The Draft 1.0 shall be forwarded to the working group for letter ballot.

Modify to

Creation of initial working document

1. Having attained 75% support, the prevailing proposal will be adopted for creating a baseline working document.
2. The IEEE 802.20 Editor shall prepare working document from this proposal for the working group to review. A draft may later be created from this working document by the Working Group.

Add the following item to the TSP IEEE P802.20-PD-10 (currently missing from Table in Annex 1)

52	RF Specification Requirements	4.2.5	•			
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Put a check mark in the “shall” column.

The SRD document (IEEE 802.20 PD-06r1) document clearly mentions this to be included. The following are excerpts from the 802.20 SRD (IEEE 802.20 PD-06r1):

4.2.5 RF Specification Requirements

*Detailed RF requirements cannot be included in this requirements document since they depend on specific bands of operation as well as the chosen RF technologies which are not addressed in this document. **It is expected that the final standard, as well as any technology proposals will include the following information:***

4.2.5.1 General

*The RF part of the IEEE 802.20 physical layer will be specified in a manner and level of detail consistent with similar public wireless land mobile communication service standards. **Minimum performance specification will be defined in the standard, such that equipment certification tests could be developed and be used to verify that multi-vendor compliant equipment would interoperate as well as meet applicable regulatory rules and coexistence requirements. Band-classes should be defined for specific global and local frequency bands of interest. These band-classes should define the channelization of the band along with specific RF characteristics such as transmitter maximum power, receiver sensitivity, antenna gain and height limits, etc. See more detail in the sub-sections that follow. Transmitter emission masks (due to modulation) as well as spurious emission limits should be specified for every band class, taking into account the specific regulatory emission limits as well as RF coexistence (interference avoidance) requirements. For mobile, hand-held devices, additional radiation safety rules shall also apply, such as the FCC's SAR requirements.***

4.2.5.2 Radio Transmitter

*The transmitter performance specifications **shall** include, but not be limited to, occupied channel bandwidth, required channel spacing, maximum and average transmit power, EIRP, modulation characteristics, intermodulation distortion (IMD) limits, spurious emission limits, frequency accuracy and stability under the range of specified operating environmental conditions.*

4.2.5.3 Radio Receiver

*The receiver performance specifications **will** include, but not be limited to, channel bandwidth and spacing, sensitivity at specified SNR, adjacent channel selectivity, alternate channel blocking, spurious emissions, spurious response, frequency accuracy and stability under the range of specified operating environmental conditions.*