Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	TLV for numbers of UL CIDs and DL CIDs
Date Submitted	**2004-03-11**
Source(s)	Lei Wang Cygnus Multimedia Communications, Inc. Voice (760)448-1984 Fax: (760)448-1989 Email: lwang@cygnuscom.com
Re:	This is a contribution to IEEE 802.16 maintenance.
Abstract	The number of DL CIDs that a SS can support is missing in the TLV definitions for REG-REQ/RSP messages. This parameter is needed with the same reason as we need the number of UL CIDs.
Purpose	To add the TLV definition for the number of DL CIDs.
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.
Patent Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures (Version 1.0) <http://ieee802.org/16/ipr/patents/policy.html>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, if there is technical justification in the opinion of the standards-developing committee and provided the IEEE receives assurance from the patent holder that it will license applicants under reasonable terms and conditions for the purpose of implementing the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair <mailto:r.b.marks@ieee.org> as early as possible, in written or electronic form, of any patents (granted or under application) that may cover technology that is under consideration by or has been approved by IEEE 802.16. The Chair will disclose this notification via the IEEE 802.16 web site <http://ieee802.org/16/ipr/patents/notices>.

TLVs for numbers of UL CIDs and DL CIDs

Lei Wang
Cygnus Multimedia Communications, Inc.

1. Introduction

The number of DL CIDs that a SS can support is missing in the TLV definitions for REG-REQ/RSP messages. This parameter is needed with the same reason as we need the number of UL CIDs.

2. References

[802.16-2004]   IEEE P802.16-2004

[Cor1/D1]   IEEE P802.16-2004/Cor1-D1

3. Proposed Changes

On page 131 line 22, insert the following

11.7.6 Numbers of CIDs Supported

11.7.6.1 Number of uplink CIDs supported

This field shows the number of Uplink CIDs the SS can support. The minimum value is three for managed SSs and two for unmanaged SSs. An SS shall support a Basic CID, a Primary Management CID, and 0 or more Transport CIDs. A managed SS shall also support a Secondary Management CID.

Type	Length	Value	Scope
6	2	Number of Uplink CIDs that the SS can support	REG-REQ, REG-RSP

11.7.6.2 Number of downlink CIDs supported

This field shows the number of Downlink CIDs the SS can support. The minimum value is three for managed SSs and two for unmanaged SSs. An SS shall support a Basic CID, a Primary Management CID, and 0 or more Transport CIDs. A managed SS shall also support a Secondary Management CID.

Type	Length	Value	Scope
18	2	Number of Downlink CIDs that the SS can support	REG-REQ, REG-RSP