

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >
Title	Mapping of DL-MAP to slots is undefined
Date Submitted	2004-07-07
Source(s)	Intel: Yuval Lomnitz, yuvall@envara.com Noam Kogan, noamk@envara.com Yigal Eliaspur, yigal.eliaspur@intel.com Voice: +972-547-884877 Dov Andelman, dov.andelman@intel.com
Re:	IEEE P802.16e/D3-2004
Abstract	Mapping of DL-MAP to slots is undefined
Purpose	“
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 <<http://ieee802.org/16/ipr/patents/policy.html>>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of 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:chair@wirelessman.org>> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site <<http://ieee802.org/16/ipr/patents/notices>>.

Mapping of DL-MAP to slots is undefined

Yuval Lomnitz

1. Motivation

Mapping of DL-MAP to slots is undefined

The standard doesn't specify to which physical slots the DL-MAP is mapped

2. Changes summary

[Modify the text 8.4.4.3 "DL Frame Prefix" DL-Map_Length definition as follows:]

Defines the length in slots of the DL-Map message that follows immediately the DL_Frame_Prefix, **after repetition code is applied.**

[Create the following changes to section 8.4.4.4 of the baseline document:]

8.4.4.4 Allocation of subchannels for FCH **and DL-MAP**, and logical subchannel numbering

[Add the following text in the end of section 8.4.4.4 :]

The DL-MAP of each segment shall be mapped to the slots allocated to the segment in a frequency first order, starting from the slot after the FCH (subchannel 4 in the first symbol, after renumbering), and continuing to the next symbols if necessary. The FCH of segments that have no subchannels allocated (unused segments) will not be transmitted, and the respective slots will be used for transmission of MAP/data of other segments.