Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Global service flows clarifications**
Date Submitted	**2007-01-16**
Source(s)	Itzik Kitroser Runcom itzikk@runcom.co.il
Re:	
Abstract	Clarify ambiguity in global service flows name definition
Purpose	Adopt into P80216_Cor2_D1
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>.

Global service flows clarifications

General

In section 6.3.14.4.1, the naming scheme for the global service class names is ambiguous since it uniquely correlates the parameter position with a letter, but Cor2 changes to the parameters actually added parameters with same position identification letter, which causes ambiguity of parsing the name.

The proposed solution uniquely assign position identification letter to a parameter and defines their position within the name.

Specific changes

[In section 6.3.14.4.1, perform the indicated changes to page 121 and 122 of P80216_Cor2_D1, changes are indicated with RED]

Change the third paragraph as indicated:

Global service class name—A rules-based, composite name parsed in ~~eight~~ variable number of information fields of format ISBRLSPS1S2L1S3S4S5~~T~~R, elements reference extensible look-up tables. Each information field placeholder must be an expressed value obtained from Table 124a, as part of the name depending on values of fields indicating its availability, and ~~may~~shall not be omitted.

Table 124a—Global service flow class name information field parameters

Position	Name	Size (bits)	Value
I	Uplink/Downlink indicator	1	0 or 1: 0=uplink; 1=downlink
S	Maximum sustained traffic rate	6	Extensible look-up Table 124b (value 0b111111 indicates TLV to follow)
~~T~~	~~Traffic indication preference~~	~~1~~	~~1 0 or 1:~~ ~~0=No traffic indication;~~ ~~1=Traffic indication~~
B	Maximum traffic burst	6	Extensible look-up Table 124b (value 0b111111 indicates TLV to follow)
R	Minimum reserved traffic rate	6	Extensible look-up Table 124b (value 0b111111 indicates TLV to follow)
L	Maximum latency	6	Extensible look-up Table 124c (value 0b111111 indicates TLV to follow)
S	Fixed-length versus variable length SDU indicator	1	0 or 1: 0=variable length; 1=fixed length
P	Paging preference	1	0 or 1: 0 = No paging generation 1 = Paging generation
S1	Request/Transmission Policy	8	(Refer to 11.13.12)
S2	Uplink Grant Scheduling Type	3	(refer to 11.13.11) 1 - Undefined, 2 = BE, 3 = nrtPS, 4 = rtPS, 5 = ertPS, 6 = UGS

			This field is included when I=0.
L1	Tolerated Jitter	6	Extensible look-up Table (value 0b111111 indicates TLV to follow). This is available only for Uplink Grant Scheduling Type = ertPS, or UGS. This field is included when I=0 and S2=5 or 6.
~~S~~	~~Request/Transmission Policy~~	~~8~~	~~(Refer to 11.13.12)~~
S3	Traffic Priority	3	(Refer to 11.13.5) This is used only for Uplink Grant Scheduling Type = rtPS, ertPS, nrtPS or BE. This field is included when I=0 and S2=2 or 3 or 4 or 5.
S4	Unsolicited Grant Interval	6	Extensible look-up Table (value 0b111111 indicates TLV to follow) This is available only for Uplink Grant Scheduling Type = ertPS, or UGS. This field is included when I=0 and S2=5 or 6.
S5	Unsolicited Polling Interval	6	Extensible look-up Table (value 0b111111 indicates TLV to follow). This is available only for Uplink Grant Scheduling Type = rtPS. This field is included when I=0 and S2=4.
R	~~Reserved~~ Padding	~~4~~5~~~~ variable	~~Shall be set to 0b00000~~ Padding bits to ensure byte aligned. Shall be set to zero.