Project	IEEE 802.16 Broadband Wireless Access Working Group <**http://ieee802.org/16**>	
Title	Power Saving Class Definition	
Date Submitted	2006-09-22	
Source(s)	Nadav Lavi Alvarion Ltd.	Voice: [Telephone Number] Fax: [Fax Number] [mailto:nadav.lavi@alvarion.com]
Re:		
Abstract	Fix for Power Saving Class Definition	
Purpose	For the review in 802.16 Maint TG	
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>.	

Power Saving Class Definition

Nadav Lavi, Vladimir Yanover
Alvarion Ltd.
Mark Marsan
Motorola
Eran Friedlander, Gedon Rosner
Intel

Comment:
Currently the Power save class types capability TLV limits the number of Power Saving Classes of types 1 and
We suggest to unite the type 1 and 2 bits with the type 3 bits, and provide a large potential set of PSCs for all types (from 3 PSCs of types 1 and 2 and 7 PSCs of type 3 to 31 PSCs of all types).

[Change section 11.8.5 as indicated]
Insert new subclause 11.8.5:
11.8.5 Power save class types capability

For MS supporting sleep mode, this parameter defines the capability of the MS supporting different power save class types in sleep mode.

Type	Length	Value	Scope
26	1	Bit #0: power save class type I supported. Bit #1: power save class type II supported. Bit #2: power save class type III supported. Bits #3-~~4: number of power save class instances supported from class types 1 and 2~~ ~~Bits #5~~ –7: total number of power save class instances of all types supported ~~from class type III~~ by the MS	SBC-REQ, SBC-RSP