Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Universal Naming Schema for NSP List TLV and NSP Count TLV**
Date Submitted	**2006-01-09**
Source(s)	Zhang Peng zhang.peng@huawei.com Huawei Technologies
Re:	
Abstract	In this contribution, we describe a universal naming schema for NSP List TLV and NSP Count TLV defined in 802.16g baseline documentation.
Purpose	Adoption
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 text 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>.

1. Problem Statement

The purpose of this contribution is to describe a universal naming schema for NSP List TLV and NSP Count TLV defined in 802.16g baseline documentation.

2. Proposed Text

[Change section 11.8.10 as follows]

11.8.10 NSP List TLV

NSP LIST TLV is a compound TLV that contains one or more Network Service Provider Identifiers, and it may be included in a SBC-~~-~~RSP message or SII-ADV message. When an SBC-~~-~~REQ message with an SIQ TLV (with bit 1 set) is received, the BS should respond with an SBC-~~-~~RSP message with an NSP L~~IST~~ist TLV. NSP List TLV may be included in a MAC message transmitted on a broadcast CID.

Name	Type	Length	Value	Scope
NSP List TLV	5	3*n	Including n, 24 bit Network Service Provider IDs, n is greater than or equal to 1.	SBC-RSP, SII-ADV

[Change section 11.8.11 as follows]

11.8.11 NSP Count TLV

NSP Count TLV is an optional TLV that indicate the change of the NSP list. It will be increased by one (modulo 256) by the Operator Network whenever the NSP list changes. NSP Count TLV should be sent with NSP List TLV in the SBC-RSP message. NSP Count TLV may be included in a MAC message transmitted on a broadcast CID. NSP Count TLV should be sent in a more frequent manner than NSP List TLV.

Name	Type	Length	Value	Scope
NSP Count TLV	6	1	Increment by one (modulo 256) by the Operator Network whenever the list of the NSP changes.	SBC-RSP, SII-ADV

[Delete section 11.18.2 and 11.18.3 as follows]

~~11.18.2 NSP List TLV~~

NSP List is an optional compound TLV that contains one or more Network Service Provider Identifiers, and it may be included in a MAC message transmitted on a broadcast CID.

Name	Type	Length	Value	Scope
NSP List TLV	6	3*n	Including n, 24 bit Network Service Provider IDs, n is greater than or equal to 1.	SII-ADV

11.18.3 NSP Count TLV

NSP Count TLV is an optional TLV that indicate the change of the NSP list. It will be increased by one (modulo 256) by the Operator Network whenever the NSP list changes. NSP Count TLV should be sent in a more frequent manner than NSP List TLV.

Name	Type	Length	Value	Scope
NSP Count TLV	7	1	Increment by one (modulo 256) by the Operator Network whenever the list of the NSP changes.	SII-ADV