

|                              |   |  |
|------------------------------|---|--|
| Project                      | <b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >  |  |
| Title                        | <b>Corrections Service Identity Information in 802.16g</b>  |  |
| Date Submitted               | <b>2006-07-18</b>   |  |
| Source(s)                    | Erik Colban, Lei Wang<br>NextWave Broadband Inc<br>12670 High Bluff Drive<br>San Diego, CA 92130, USA   | Voice: +1-858-480-3100<br>Fax: +1-858-480-3105<br><a href="mailto:lwang@nextwave.com">mailto:lwang@nextwave.com</a><br><a href="mailto:ecolban@nextwave.com">mailto:ecolban@nextwave.com</a> |
| Re:                          | This is a response to Call for maintenance comments to IEEE 802.16e-2005.   |  |
| Abstract                     | This contribution is a supporting file to a comment related to MS Idle Mode operation submitted by NextWave to WimaxForum MTG   |  |
| Purpose                      | Agree and adopt.  |  |
| 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 < <a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a> >, 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 < <a href="mailto:chair@wirelessman.org">mailto:chair@wirelessman.org</a> > 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 < <a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a> >. |  |

## SII TLV Encoding Corrections

*Erik Colban, Lei Wang  
NextWave Broadband Inc.*

### Changes to 11.7

SII should not be sent in the REG-RSP message. Remove sections 11.7.27 and 11.7.28.

### Changes to 11.8

Remove caption from Table 109 on page 30 and 31. Table captions are rarely used for TLV tables and the table number 109 is not in line with other table numbers in this section.

The TLVs in section 11.8.10 – 11.8.12 are common TLVs since they may be included in SBC-RSP and SII-ADV messages. Remove sections 11.8.10 – 11.8.12.

### Changes to 11.21

Remove this section. The 24-bit NSP can be signaled using the common TLV introduced in section 11.1 and the NAI-based can be removed.

### Changes to 11.1

*Add the following new rows to Table 346:*

|     |                  |
|-----|------------------|
| 140 | NSP List         |
| 139 | NSP Change Count |

*Insert new subclause 11.1.8:*

#### 11.1.8 NSP List encodings

##### 11.1.8.1 NSP List TLV

The NSP LIST TLV is a **compound** TLV that contains one or more Network Service Provider **24-bit** 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 List TLV.

| Name         | Type            | Length | Value  | Scope            |
|--------------|-----------------|--------|--|------------------|
| NSP List TLV | <del>5140</del> | 3*n    | Including n, 24 bit Network Service Provider IDs, n is greater than or equal to 1. | SBC-RSP, SII-ADV |

### 11.1.8.2 NSP Change Count TLV

The NSP Change Count TLV is an optional TLV that indicates ~~the~~ change of the NSP list. It will be increased by one (modulo 256) ~~by the Operator Network~~ whenever the NSP list changes. The NSP Change Count TLV should be sent with ~~the~~ NSP List TLV in the SBC-RSP message ~~or~~ SII-ADV message.

| Name                 | Type            | Length | Value   | Scope            |
|----------------------|-----------------|--------|---|------------------|
| NSP Change Count TLV | <del>6139</del> | 1      | Increment by one (modulo 256) <del>by the Operator Network</del> whenever the list of the NSP <del>s</del> changes. | SBC-RSP, SII-ADV |