

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	ASN.1 coding for Alternative Path Management messages in IEEE 802.16.1a	
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Re:	In response to Sponsor Ballot Recirculation #1 on P802.16.1a	
Abstract	ASN.1 coding for Alternative Path Management messages in GRIDMAN Draft Standard	
Purpose	To discuss and adopt the proposed text in the draft amendment document on GRIDMAN	
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ASN.1 coding for Alternative Path Management messages in IEEE 802.16.1a

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1. Introduction

This document provides ASN.1 encoding for alternative path management messages in P802.16.1a, including:

- AAI-AP-NBR-REQ
- AAI-AP-NBR-REP

2. References

- [1] IEEE 802.16-12-0132-00, GRIDMAN System Requirement Document including SARM annex, January 2012.
- [2] IEEE P802.16nTM/D6, Air Interface for Broadband Wireless Access Systems - Draft Amendment: Higher Reliability Networks, October 2012.
- [3] IEEE P802.16.1aTM/D6, WirelessMAN-Advanced Air Interface for Broadband Access Systems - Draft Amendment: Higher Reliability Networks, October 2012.
- [4] IEEE P802.16TM-2012, IEEE Standard for Air Interface for Broadband Wireless Access Systems, August 2012.
- [5] IEEE P802.16.1TM-2012, IEEE Standard for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems, September 2012.

3. Proposed Text on the IEEE 802.16.1a Amendment Draft Standard

[-----Start of Text Proposal-----]

[Remedy1: Add the following text in line#46, page 238, P802.16.1a/D6:]

```
-- Path Management in HR-Network
   aaiApNbrReq          AAI-AP-NBR-REQ,
   aaiApNbrRep          AAI-AP-NBR-REP,
```

[Remedy2: Add the following text in line#30, page 296, P802.16.1a/D6:]

```
-- *****
-- Alternative path management Messages
-- *****

-- +--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+
-- AAI-AP-NBR-REQ Message
-- +--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+
InForHrBsForAlternativePath ::= SEQUENCE {
```

```

1      indexFwdHrMs                INTEGER (0..15)
2  }
3
4  -- Path Management in HR-Network
5  AAI-AP-NBR-REQ ::= SEQUENCE {
6      modeReq                    CHOICE {
7          regHrBsToArrange        NULL,
8          informHrBsForAlternativePath InforHrBsForAlternativePath
9      }
10 }
11
12 -- +---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
13 -- AAI-AP-NBR-REQ Message
14 -- +---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+---+
15 AAI-AP-NBR-REP ::= SEQUENCE {
16     numNeighborHrMsSEQUENCE (SIZE(0..31)) OF SEQUENCE {
17         index                    INTEGER (0..15),
18         sinr                      INTEGER (0..15),
19         hop                        INTEGER (0..3)
20     }
21 }
22

```

[-----End of Text Proposal-----]

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