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| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**http://ieee802.org/16**>** | |
| Title | **Clarification on Definition over IEEE 802.16n** | |
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| Re: | "IEEE 802.16-12-271," in response to Letter Ballot Recirc #37a on P802.16n/D2 | |
| Abstract | Clarification on definition in GRIDMAN Draft Standard | |
| Purpose | To discuss and adopt the proposed text in the draft amendment document on GRIDMAN | |
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# Clarification on Definition over IEEE 802.16n

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## 1. Introduction

This document provides clarification on definition in IEEE 802.16n.

## 2. References

[1] IEEE 802.16-12-0132, GRIDMAN System Requirement Document including SARM annex, January 2012.
[2] IEEE P802.16n™/D2, Air Interface for Broadband Wireless Access Systems - Draft Amendment: Higher Reliability Networks, April 2012.
[3] IEEE P802.16.1a™/D2, WirelessMAN-Advanced Air Interface for Broadband Access Systems - Draft Amendment: Higher Reliability Networks, April 2012.
[4] EEE P802.16Rev3/D6, IEEE Draft Standard for Local and metropolitan area networks; Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems," April 2012.
[5] IEEE P802.16.1™/D6, IEEE Draft for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems, April 2012.

## 3. Proposed Text on the IEEE 802.16n Amendment Draft Standard

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

**[*Remedy: Replace 3 Definition in page 2 on 802.16n/D2 by following:*]**

### 3. Definitions

*Change the following definitions:*

**3.74 infrastructure station:** An MR-BS, ~~or~~ RS, HR-BS, or HR-RS. *See also:* **multihop relay base station (MR-BS), relay station (RS), high reliability base station (HR-BS), high reliability relay station (HR-RS)**

*Insert the following new definitions:*

**3.175 degraded network:** The failure of one or more infrastructure nodes or network connectivity. *See also:* **infrastructure station**

**3.176 robustness:** The capability of the network to withstand and automatically recover from degradation to provide the required availability to support mission critical applications (essential to the core function of society and the economy) including recovery from a single point of failure.

**3.177 mobile base station:** A base station which is capable of maintaining service while moving. *See also:* **base station (BS)**

**3.178 radio path redundancy:** The ability to provide alternative paths between base stations, relay stations, and subscriber stations.

**3.179 high reliability mobile station (HR-MS):** A subscriber station capable of performing the WirelessMAN-OFDMA subset of mobile station (MS) features and functions and additionally implementing the WirelessMAN-High Reliability Air Interface. *See also:* **mobile station (MS)**

**3.180 high reliability base station (HR-BS):** A base station that is a subset of base station (BS) features and functions and additionally supports the WirelessMAN-High Reliability Air Interface. *See also:* **base station (BS)**.

**3.181 high reliability network (HR-Network):** A network compliant with High Reliability Air Interface System.

**3.182 high reliability relay station (HR-RS):** A relay station that is a subset of relay station (RS) features and functions and additionally supports the WirelessMAN-High Reliability Air Interface. *See also:* **relay station (RS)**.

**3.183 high reliability station (HR-station):** An HR-MS, HR-BS, or HR-RS. *See also:* **high reliability mobile station (HR-MS), high reliability base station (HR-BS), high reliability relay station (HR-RS)**

**3.184 directly associated:** An HR-MS is directly associated with an infrastructure station where the HR-MS is controlled directly by the infrastructure station. *See also:* **high reliability mobile station (HR-MS), infrastructure station**

**3.185 indirectly associated:** An HR-MS is indirectly associated with an infrastructure station where the HR-MS is controlled by the infrastructure station through a forwarding HR-MS. *See also:* **high reliability mobile station (HR-MS), infrastructure station**

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