Project	IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>	
Title	**Clarification on Definition over IEEE 802.16.1a**	
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Re:	"IEEE 802.16-12-271," in response to Letter Ballot Recirc #38a on P802.16.1a/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 802.16.1a

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1. Introduction

This document provides clarification on definition in IEEE 802.16.1a.

2. References

[1] IEEE 802.16-12-0132, GRIDMAN System Requirement Document including SARM annex, January 2012.
[2] IEEE P802.16n^{TM}/D2, Air Interface for Broadband Wireless Access Systems - Draft Amendment: Higher Reliability Networks, April 2012.
[3] IEEE P802.16.1a^{TM}/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^{TM}/D6, IEEE Draft for WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems, April 2012.

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

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

[*Remedy: Replace 3 Definition in page 2 on 802.16.1a/D2 by following:*]

3. Definitions

Insert the following new definitions:

3.54 coexistence: a state of acceptable co-channel and/or adjacent channel operation of two or more radio systems (possibly using different wireless access technologies) within the same geographical area.

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

3.56 designated forwarding between infrastructure stations (FBIS) high reliability mobile station (HR-MS): A HR-MS which is designated to forward data between Infrastructure stations in HR-Network. *See also:* **high reliability network (HR-Network), forwarding between infrastructure stations (FBIS), high reliability mobile station (HR-MS)**

3.57 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:* **infrastructure station**

3.58 forwarding between infrastructure stations (FBIS): The function of forwarding data between Infrastructure stations through a sub-ordinate station in HR-Network. *See also:* **high reliability network (HR-Network), infrastructure station**

3.59 forwarding between infrastructure stations (FBIS) connection: A unidirectional mapping between two Infrastructure stations using Forwarding Between Infrastructure Stations in HR-Network. Forwarding connections are divided into outgoing Forwarding connection and incoming Forwarding connection in the initiating Infrastructure Station point-of-view. A Forwarding connection consists of two connections (connections between a sub-ordinate station and each Infrastructure station) and two connections are coupled each other at the sub-ordinate station. *See also:* **high reliability network (HR-Network), infrastructure station, Forwarding Between Infrastructure Stations (FBIS)**

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

3.61 high reliability mobile station (HR-MS): A subscriber station that is a subset of advanced mobile station (AMS) features and functions and additionally implementing the WirelessMAN-High Reliability Air Interface. *See also:* **mobile station (MS)**

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

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

3.64 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)**

3.65 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**

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

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

3.68 radio path redundancy: The ability to provide alternative paths between high reliability stations (HR-stations). *See also:* **high reliability station (HR-station)**

3.69 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.

3.70 self-coexistence: Coexistence of multiple cells in HR network. *See also:* **coexistence, high reliability network (HR-Network)**

3.71 self-coexistence mode: An operation mode of HR network, in which multiple HR cells share the same frequency channel in time. *See also:* **high reliability network (HR-Network)**

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