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Title	Vocabulary of Terms Related to the Mesh/Relay Networks
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Re:	IEEE P802.16 MMR Study Group
Abstract	This contribution provides the information of vocabulary of term related to the mesh/relay networks
Purpose	For information only
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Release	
Patent Policy and Procedures	

Vocabulary of Terms Related to the Mesh/Relay Networks

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1 Introduction

This contribution provide the information of the discussion in ITU-R.M on the addition of terms and definitions related to mesh/relay networks, which are emerging in the land mobile service.

2 Acronyms and abbreviations used in mesh/relay networks

Ad hoc network, wireless ad hoc network
F: *réseau ad hoc, réseau ad hoc sans fil*
S: *red ad hoc, red inalámbrica ad hoc*
A:
C: ____, _____
R: _____ ____, _____ (_____) _____ ____
A network in which all stations can communicate directly with all stations which are part of the ad hoc network.
Note: An ad hoc network does not require an *infrastructure*.

Peer-to-peer network, wireless peer-to-peer network
F: *réseau de entités homologues, réseau de entités homologues sans fil*
S: *red de par a par, red inalámbrica de par a par*
A:
C: _____, _____
R: _____ _____ ____ _____

See: *Ad hoc network, wireless ad hoc network.*

Mesh network, wireless mesh network
F: *réseau maillé, réseau maillé sans fil*
S: *red en malla, red inalámbrica en malla*
A:
C: ____, _____
R: ____ _____ __ _____ _____, _____ (_____) _____ (_____) ____
A network in which there are two or more paths to any node.
Note: There are two types of mesh networks: full mesh and partial mesh. In a full mesh every node is connected to every other node in the network. In a partial mesh some nodes may be organized in a full mesh scheme but others can only connect to some nodes in the network.

Relay, relay station, wireless relay
F: *relais, station de relais, relais sans fil*
S: *repetidor, estación repetidora, repetidor inalámbrico*
A:
C: __, ___, ____
R: _____ _____, _____ _____, _____ _____ _____

A station that performs message/signal transfer without any reference to a user application.

Relay network, wireless relay network
F: réseau de relais, réseau de relais sans fil
S: red de repetidores, red inalámbrica de repetidores
A:
C: ___, _____
R: _____ ____, _____ _____ ____
A network of *relay stations*.
Note 1: Relay networks can be one-hop or multi-hop. One-hop relays are implemented with P-P and/or P-MP techniques. Multi-hop relays are implemented using MP-MP techniques to form a mesh.
Note 2: The *relay stations* in a network can be fixed, nomadic or mobile.

Infrastructure, network infrastructure
F: infrastructure, infrastructure du réseau
S: infraestructura, infraestructura de la red
A:
C: ___, ___
R: _____ (_____) ____
A set of interconnected network elements that support telecommunications.
Note: The network infrastructure is generally understood as the fixed network excluding the terminals, and may include both the access network and the core network.

Ancillary infrastructure, ancillary network infrastructure
F: Infrastructure auxiliaire, infrastructure auxiliaire du réseau
S: Infraestructura auxiliar, infraestructura auxiliar de la red
A:
C: _____, _____
R: _____ (_____/_____) _____
A set of interconnected nomadic and mobile network elements, providing subsidiary support to telecommunications.

Client relay, client relay station, client wireless relay
F: relais du client, station relais du client, relais du client sans fil
S: repetidor de cliente, estación repetidora de cliente, repetidor inalámbrico de cliente
A:
C: ____, _____, _____
R: _____ _____ _____, _____ _____ _____, _____ _____ _____ _____
A *relay station* implemented on a client device.

Client relay network, client wireless relay network
F: réseau de relais des clients, réseau de relais sans fil des clients
S: red de repetidores de clientes, red inalámbrica de repetidores de clientes
A:
C: _____, _____
R: K_____ _____ ____, _____ _____ _____ ____
A network of *relay stations* implemented on client devices.
Note 1: The *relay stations* in a client relay network can be fixed or nomadic.

3 Reference

[1] “VOCABULARY OF TERMS RELATED TO MESH/RELAY NETWORKS (PROPOSED ADDITIONS TO ANNEX 15 TO DOC. 8A/277 WORKING DOCUMENT TOWARDS A PDNR ITU-R M.[8A/VOC.LAND.MOB])” Document 8A/CAN01-e, 21 December, 2005