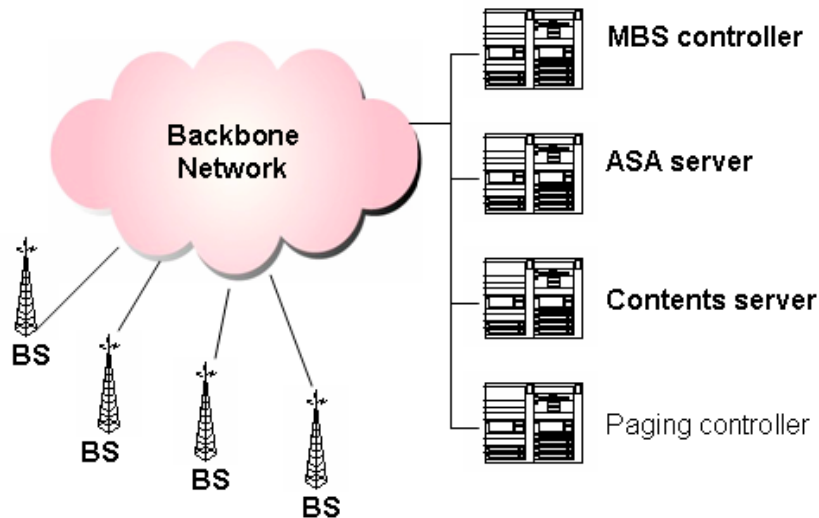


Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >
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Re:	IEEE 802.16 NetMan Task Group Call for Contribution
Abstract	This document contains additional network entity for multicast and broadcast service.
Purpose	Adopt proposed network model
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Network model for multicast and broadcast service

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1. Network model for MBS



(1) MBS controller

An MBS controller manages a multicast and broadcast zone. Distribution status of MBS subscribers is managed by the MBS controller and is used to decide which BS shall be contained in a multicast and broadcast zone. When a Paging controller receives location update message of MBS subscriber that is in Idle mode, the location update is also informed to the MBS controller.

Besides, the MBS controller should manage mapping between MBS content and MCID and schedule transmission of MAC PDUs of MBS contents.

(2) ASA (Authentication and Service Authorization) server

MSSs that intend to receive MBS contents should be authorized by an ASA server. A successfully authorized MSS receives the decryption key for the intending MBS content. MAC PDUs of MBS content are encrypted in a higher.

(3) Contents server

A contents server sends MBS contents, which are encrypted.