



**WiMAX Forum[®] Overall Deployment,
Applications and OAM**

OTA Standard Channel Plan

WMF-T11-002-R016v01

WiMAX Forum[®] Approved

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1. Document Scope

- 2 This document describes a standard channel plan that should be stored in retail devices to allow rapid initial system acquisition & eliminate the need to re-state the same channel plan in multiple locations in the same OMA-DM tree.
- 3

2. Abbreviations and Definitions

2.1 Abbreviations

MS	Mobile Station (also referred to as ‘device’ in this document)
NAP	Network Access Provider
ND&S	Network Discovery & Selection
OMA DM	Open Mobile Alliance Device Management
OTA	Over-The-Air
WiMAX®	Worldwide Interoperability for Microwave Access

2.2 Terms & Definitions

Channel Plan: A Channel Plan is used by the device to speed up NAP discovery process. It contains physical information such as channel bandwidth, center frequency, and PHY profile.

Device Management (DM): Process of remotely managing device settings and applications. DM provides a mechanism for the users to easily subscribe to new services and make changes to their existing services. For the operators this enables a fast and easy way to introduce new services and manage provisioned services, by dynamically adjusting to changes and ensuring a certain level of quality of service.

OMA DM: Refers to the set of specifications developed by Open Mobile Alliance for DM.

Terminal Equipment: Refers to the device in which host device is temporarily (through PC card slot, USB port etc.) or permanently (for example, embedded laptop) inserted to get WiMAX® connectivity. Examples of terminal equipment are: 1) PC which has a PC card slot for peripheral devices, and PC Card (host device) is inserted in PC to get WiMAX connectivity; 2) WiMAX CPE Gateway which has a WiMAX sub-module; 3) Embedded laptop which has WiMAX sub-module permanently built in; 4) Consumer electronics that has a WiMAX submodule.

2.3 Conventions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [RFC 2119].

1 3. References

- [1] WMF-T33-104-R016, WiMAX Forum® Network Architecture – Architecture, detailed Protocols and Procedures – WiMAX® Over-The-Air Provisioning & Activation Protocol based on OMA DM Specifications

4. Channel plan data

The following data should be stored in the MS, used for ND&S where no historic data or other provisioned channel plan exists, & should be available to be referenced from within the OMA-DM provisioned tree on the device using the Reference Identities (RefIDs) shown.

Table 4-1 – Channel plan table

Primary Applicability	First (kHz)	Last (kHz)	Spacing (kHz)	Bandwidth (kHz)	FFT Size	RefID suffix (RefID = "WMF-xxxxxx")
Global	2505000	2685000	10000	10000	1024	000501
Global	2510000	2680000	10000	10000	1024	000502
Global	2502500	2687500	5000	5000	512	001001
Global	2505000	2685000	5000	5000	512	001002
USA	2508500	2528500	10000	10000	1024	011001
USA	2541500	2561500	10000	10000	1024	011002
USA	2630500	2650500	10000	10000	1024	011003
USA	2663500	2683500	10000	10000	1024	011004
USA	2525000	2545000	10000	10000	1024	011005
USA	2647000	2667000	10000	10000	1024	011006
USA	2499000	2499000	0	5000	512	010501
USA	2505250	2515250	5000	5000	512	010502
USA	2521750	2531750	5000	5000	512	010503
USA	2538250	2548250	5000	5000	512	010504
USA	2554750	2564750	5000	5000	512	010505
USA	2621000	2621000	0	5000	512	010506
USA	2627250	2637250	5000	5000	512	010507
USA	2643750	2653750	5000	5000	512	010508
USA	2660250	2670250	5000	5000	512	010509
USA	2676750	2686750	5000	5000	512	010510
USA	2578000	2608000	6000	10000	1024	011007
USA	2575000	2611000	6000	5000	512	010511
Japan	2587000	2587000	0	10000	1024	031001