Tools Home - Tools Developed by OMA

 - This tool is provided by OMA to construct Management Objects that comply with OMA standardized rules. Link

Tool Name	Description	Content
eMO Editor	This tool contains a Management Object Editor, **eMO,** together with the relevant functionality to import, export, view and create new Management Objects (MOs).	• Introduction to OMA Device Management • eMO Editor • Register of MOs with OMA • TS Template

OMA Device Management (DM) Management Object (MO) Registry

OMNA maintains a registry of values used for Management Object (MO) descriptions. These MO managed registrations may be made by OMA Working Groups or External entities.

In all cases, the registry provides for allocation of the needed MO URN value and serves as a repository for the MO descriptions.

Management Object Editor Tool	
TS Template for OMA Working Groups	This document contains an OMA Technical Specifications template that MUST be used by the OMA Working Groups to guarantee that the eMO tool can extract the defined Management Object from the OMA Technical Specification. Download
TS template for External Organisations	This template should be used by other Standard Development Organization or companies to guarantee that the eMO tool can extract the defined Management Object from the document. Download

 - LightweighM2M editor tool

OMA is managing a registration program called **OMNA**.This registry is used by **OMA** and **non-OMA** groups to register their profile data.

In **OMNA** there is a registry dedicated to register **OMA LightweightM2M Objects and Resources**. These resources can be registered by **OMA** or **non-OMA** organizations as well as private companies.

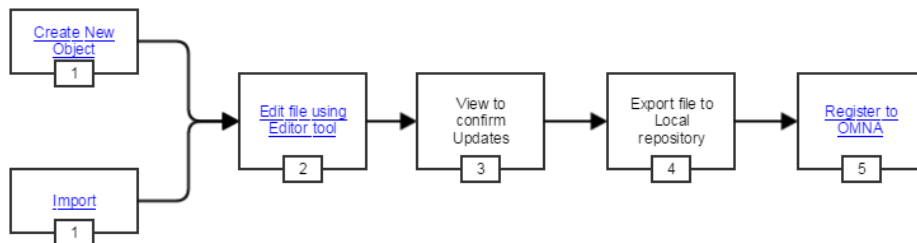| Tool Name	Description	Content
eLwM2M Editor	The LightweighM2M tool contains an editor **eLwM2M** and the relevant functionality to import, export, view and create new Objects and Resources.	• Introduction to OMA LightweightM2M • eLwM2M Editor Register of LwM2M Objects and Resources with OMN

OMNA ObjectID Classes (Ranges) - OMA LightweightM2M (LwM2M) Object and Resource Registry

Category	URN	Object ID range	Description
oma-label	urn:oma:lwm2m:oma:<id>	0 - 1023	Objects produced by OMA
reserved		1024 - 2047	Reserved for future use
ext-label	urn:oma:lwm2m:ext:<id>	2048 - 10240	Objects defined by 3rd party Standard Developing Organizations (SDOs)
x-label	urn:oma:lwm2m:x:<id>	10241 - 26240	Objects defined by vendors or individuals for registration
		26241 - 32768	Objects defined by vendors or individuals to re-use

OMNA Ranges for Resources

Category	Resource Range ID	Description
Common Resources	0 - 2047	Common resource defined inside Objects. Inside of an Object the resourceIDs must be unique but it can be reused in different Objects.
Reusable Resources	2048 - 32768	Registered by an Object Specification, with the Resource ID assigned by OMNA. Defined in any Object specification. Resources from this Resource ID range can be re-used in any Object. View or Register

How to Register - The OMA LwM2M Management Object Editor is used to register objects or reusable resources

Registration Details	
Object type (defined by): 1. Your name (Enter Name of per registering Object) 2. Object Type: (Select on option) a. OMA Working Group (for OMA Members only) b. Another SDO c. Private Company 3. Your email address (correspondence requirements) 4. Object Name (To be used for registration purposes) 5. Short Object Description Click Register - The registration details will be submitted to the OMA Staff for processing. Note: Please give up to two weeks to process your request. If you have any question, contact the OMA Helpdesk at: helpdesk@omaorg.org	**Register existing object or resuable resources to OMNA** Registration type: Object definition Number of resources: 0 Your Name: [Name] Object Type (defined by): [OMA Working Group ▼] Name of SDO or private Company: [ ] Your email address: [ ] Your email address again: [ ] Object Name: [ ] Short Object Description: [ ] Note: Please give up to two weeks to process your request. If you have any question, contact the OMA Helpdesk at: helpdesk@omaorg.org [Register]