

# **Guidelines for Virtual Observe Notify Object**

## **Draft Version 1.1 – 21 Jun 2021**

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**Open Mobile Alliance**  
OMA-Guidelines-LwM2M-VirtualObserveNotify-V1\_1-20210621-D

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# 1. Scope

<< Define as it relates to Open Mobile Alliance Activity. If it adds clarity, define what is not in the scope. DELETE THIS COMMENT >>

## 2. References

The policy for reference lists is:

1. OMA documents listed should have at least one approved version - draft-only docs should not be referenced. Exception exists for documents that will be approved with or after the referenced doc is approved (may be part of same enabler package). In short - approved docs should not reference unapproved docs.
2. When a reference is made to an OMA specification, then Open Mobile Alliance with the TM symbol (™) should be used in the description.
3. The name + version (no date) for OMA specifications are generally sufficient - dates should be used only if there is a specific reason to limit the usage.
4. For references to WAP Forum docs, dates should not be included as DID's for the old WAP Forum specifications are enough and the reference description should refer to WAP Forum™.
5. References to other affiliate docs should similarly provide sufficient information to uniquely determine the needed document and should provide the appropriate source information.
6. The URL for OMA material (new OMA and affiliate) should always be <http://www.openmobilealliance.org> (an exception is OMNA that is reached through <http://www.openmobilealliance.org/tech/omna>)

Models to use

[REFLABEL] <General Model> "Ref Title", Ref information (source, date, id),  
[URL:http://<ref-source>](http://<ref-source>)

[OMADOC] <OMA Model> "OMA Document Title",{ Version x.y,} Open Mobile Alliance™,  
 OMA-<docname>{-<version>}, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)

If there are no entries in the table - enter 'none' to be clear.

DELETE THIS COMMENT

### 2.1 Normative References

[RFC2119]	"Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997, <a href="http://www.ietf.org/rfc/rfc2119.txt">URL:http://www.ietf.org/rfc/rfc2119.txt</a>
[RFC4234]	"Augmented BNF for Syntax Specifications: ABNF". D. Crocker, Ed., P. Overell. October 2005, <a href="http://www.ietf.org/rfc/rfc4234.txt">URL:http://www.ietf.org/rfc/rfc4234.txt</a>
[SCRRULES]	"SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, <a href="http://www.openmobilealliance.org/">URL:http://www.openmobilealliance.org/</a>

<< Add/Remove reference rows to this table as needed - DELETE This Row >>

### 2.2 Informative References

Check the version of the Dictionary you are using and update the reference below. Delete the [OMADICT] entry if the dictionary is not used. In general, use the latest available version unless seeking alignment with an existing set of specifications.

DELETE THIS COMMENT

[OMADICT]

“Dictionary for OMA Specifications”, Version x.y, Open Mobile Alliance™,  
OMA-ORG-Dictionary-Vx\_y, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)

<< Add/Remove reference rows to this table as needed - DELETE This Row >>

## 3. Terminology and Conventions

### 3.1 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 [RFC2119].

All sections and appendixes, except “Scope” and “Introduction”, are normative, unless they are explicitly indicated to be informative.

<< If needed, describe or declare using appropriate normative references the additional conventions that are used. DELETE THIS COMMENT >>

### 3.2 Definitions

<< Add definitions in new rows of the following table as needed. The following examples show how dictionary references should be made as well as locally defined terms. This table should be maintained in sorted alphabetic order based on the labels of the terms.

Examples:

Entity	Use definition #1 from [OMADICT]
Interactive Service	Use definition from [OMADICT]
Local Term	The definition description would be presented directly

DELETE THIS COMMENT>>

<< Add/Remove definition rows to this table as needed - DELETE This Row >>

### 3.3 Abbreviations

<< Add abbreviations as needed to the following table. No special notation should be made regarding terms copied from the Dictionary. This table should be maintained in alphabetic order.

DELETE THIS COMMENT >>

OMA                      Open Mobile Alliance

<< Add/Remove abbreviation rows to this table as needed - DELETE This Row>>

## 4. Introduction

<< From a market perspective...

- What can you do with this specification?
- What problem does this solve?
- How can this specification be applied?
- Consider the target audience and provide deployment examples as possible.

DELETE THIS COMMENT >>

### 4.1 Version 1.0

This section provides a high level, concise and informative description of the **main functionality** supported in the initial version of the specification. The description should be brief, target length should be a few paragraphs. When the enabler or reference release is finished, this description should be aligned with the final functionality.

DELETE THIS COMMENT

### 4.2 Version <x.y>

This section should be included for each new major or minor version of the specification.

It should provide a high level, concise and informative description of the **new or modified functionality** introduced in this version of the specification, compared to the previous version. The description should be brief, target length should be a few paragraphs. When the enabler or reference release is finished, this description should be aligned with the final functionality differences.

DELETE THIS COMMENT

#### 4.2.1 Version <x.y.z>

This section should be included for each new service release of the specification. It should describe at a high level the main changes made to the specification compared to the previous version. The description should be brief, target length should be one paragraph.

DELETE THIS COMMENT



## 5. Sections As Needed

<<Sections for the normative specification text. Fill in as needed. The following validates the styles used for the headers. DELETE THIS COMMENT >>

### 5.1 Example Level 2

<text>

#### 5.1.1 Example Level 3

<text>

##### 5.1.1.1 Example Level 4

<text>

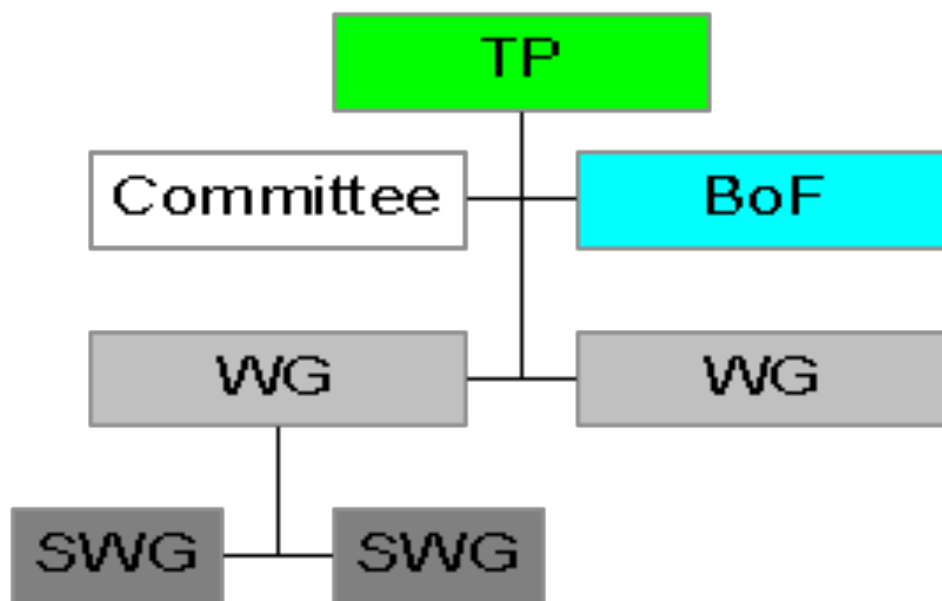


Figure 1: Example Figure

	Column 1	Column 2
Row 1	Grid 1,1 data	Grid 1,2 data
Row 2	Grid 2,1 data	Grid 2,2 data

Table 1: Example Table

## Appendix A. Change History (Informative)

<< The following is a model of a revision table. DELETE THIS COMMENT >>

### A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA
OMA-xyyz-V1_0-20021001-A	01 Oct 2002	Initial document to address the basic starting point Ref TP Doc# OMA-TP-2002-1234-xyyzForApproval
OMA-xyyz-V1_1-20030405-A	05 Apr 2003	description of changed Ref TP Doc# OMA-TP-2003-0321-xyyzV1_1forApproval

### A.2 Draft/Candidate Version <current version> History

<< This section is available in pre-approved versions - it should be removed in the actual approved versions. DELETE THIS COMMENT >>

Document Identifier	Date	Sections	Description
Draft Versions OMA-xyyz-V1_2	30 Jun 2003	3.2, 8.2, 11.4, App A	Incorporates input to committee: OMA-XY-2003-0053-CR_SpellingCorrections OMA-XY-2003-0098-CR_AddSectionOnPeanutButter
	12 Aug 2003	9.2.2.2, 11.3	Incorporates input to committee: OMA-XY-2003-0101R2-CR_ImproveJellyReferences
Candidate Version OMA-xyyz-V1_2	16 Sep 2003	n/a	Status changed to Candidate by TP TP ref # OMA-TP-2003-0abc-CandidateRequest_xyyz_V1_2
Draft Version OMA-xyyz-V1_2	24 Sep 2003	6.8	Status changed to Draft (demoted) to address important class 1 CR OMA-XY-2003-0172-CR_AddSectionOnJellyGoesOnTop
Candidate Versions OMA-xyyz-V1_2	13 Nov 2003	n/a	Status changed to Candidate by TP TP ref # OMA-TP-2003-0def-CandidateRequest_xyyz_V1_2_again
	21 Dec 2003	4.2, 6.3	Minor CR to address interpretation of bread references OMA-XY-2003-0205-CR_SlicedBreadClarification Notice sent to TP of minor update TP ref # OMA-TP-2003-0ghi-CandidateUpdateNotice_xyyz_V1_2
	12 Jan 2004	4.2, 6.6	Minor CR to cover cases where knife not available OMA-XY-2004-0012-CR_SpreadingWithoutKnife Notice sent to TP of minor update TP ref # OMA-TP-2004-0jkl-CandidateUpdateNotice_xyyz_V1_2

## Appendix B. Static Conformance Requirements (Normative)

The notation used in this appendix is specified in [SCRRULES].

The following is a model of a set of SCR tables. DELETE THIS COMMENT

### B.1 SCR for XYZ Client

Item	Function	Reference	Requirement
XYZ-C-001-M	Something mandatory	Section x.y	(XYZ-C-004-O OR XYZ-C-003-M) AND XYZ-C-002-O
XYZ-C-002-O	Something optional	Section x.y	
XYZ-C-003-M	Dependencies on ZYX	Section x.y	ZYX:MCF
XYZ-C-004-O	Dependencies on ZYX	Section x.y	ZYX:OCF

### B.2 SCR for XYZ Server

Item	Function	Reference	Requirement
XYZ-S-001-M	Something mandatory	Section x.y	XYZ-S-004-O OR XYZ-S-002-O OR XYZ-S-003-M
XYZ-S-002-O	Something optional	Section x.y	
XYZ-S-003-M	Dependencies on ZYX	Section x.y	ZYX:MSF
XYZ-S-004-O	Dependencies on ZYX	Section x.y	ZYX:OSF

## Appendix C. <Additional Information>

If needed, add annex to provide additional information to support the document. In general, this information should be informative, as normative material should be contained in the primary body of the document.

Note that the styles for the headers in the appendix (App1, App2, App3) are different than the main body. The use below is intended to validate the styles to be used. Remove if not needed.

DELETE THIS COMMENT

### C.1 App Headers

<More text>

#### C.1.1 More Headers

<More text>

##### C.1.1.1 Even More Headers

<More text>