



ATIS-0410003-0033

Unified Ordering Model (UOM)

Volume III - Design

For Access Service Ordering Guidelines (ASOG)

Version 58



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Unified Ordering Model (UOM) – Volume III - Design

Is an ATIS standard developed by the Ordering Solutions Committee - Access Service Ordering Subcommittee under the ATIS Ordering and Billing Forum (OBF)

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SUMMARY OF CHANGES ASOG V58

This issue of the Unified Ordering Model (UOM) – **Volume III** Design provides the XML schemas that support the Access Service Ordering Guidelines (ASOG) and the Unified Ordering Model – Volume I Business Requirements for Version 58. Changes to this document have been made in support of the following issues:

3607 3615 3617 3618

The following issues went into Final Closure; however, they resulted in no impact to the contents of this document:

3608 3611 3613 3614 3616

The following issues were Withdrawn:

####

Global Changes

- Change all ASOG 57 to ASOG 58; Version 57 to Version 58; Issue 32 to Issue 33.
- Change ATIS document number from ATIS-0410003-0032 to ATIS-0410003-0033.
- Update Issue Date.
- Sort the placement of some element and complexType definition structures alphabetically. (Note: The sequence of elements within a structure are not changed.)
- Other grammatical and spelling corrections that do not impact the technical content of this document are not reflected in the Summary of Changes.

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- Updated to reflect document re-pagination.

SUMMARY OF CHANGES ASOG V58

UOM-ASR VOLUME III – SUMMARY OF CHANGES FOR ASOG V58			
Schema	Issue #	Element Name	Description of Change
UOM-BASE			
UOM-BASE	n/a	ASOG_VER	Updated the enumeration value from '57' to '58' and associated descriptive text.
UOM-BASE	3607	IndexNumber4_Type	No update required for REFNUM.
UOM-BASE	3607	IndicatorY_Type	No update required for SUPI.
UOM-BASE	3607	IndicatorY_Type	Added a metadata reference for the PI (CNR-010) element.
UOM-BASE	3607	ADDRESS_ComplexType	Added a metadata reference (010).
UOM-BASE	3607	SAPR_Type	Added a metadata reference for the new SAPR (CNR-010) element.
UOM-BASE	3607	SANO_Type	Added a metadata reference for the new SANO (CNR-010) element.
UOM-BASE	3607	SATH_Type	Added a metadata reference for the new SATH (CNR-010) element.
UOM-BASE	3607	SASF_Type	Added a metadata reference for the new SASF (CNR-010) element.
UOM-BASE	3607	SASD_Type	Added a metadata reference for the new SASD (CNR-010) element.
UOM-BASE	3607	SASN_Type	Added a metadata reference for the new SASN (CNR-010) element.
UOM-BASE	3607	SASS_Type	Added a metadata reference for the new SASS (CNR-010) element.
UOM-BASE	3607	LD_Type	Added a metadata references for the new LD1 , LD2 , LD3 (CNR-010) elements.
UOM-BASE	3607	LV_Type	Added a metadata references for the new LV1 , LV2 , LV3 (CNR-010) elements.
UOM-BASE	3607	CITY32_Type	Added a metadata reference for the new CITY (CNR-010) element.
UOM-BASE	3607	State_Type	Added a metadata reference for the new STATE (CNR-010) element.
UOM-BASE	3607	ZIP_Type	Added a metadata reference for the new ZIP (CNR-010) element.
UOM-BASE	3617	InformationRate_Type	Added a metadata reference for the new LATENCY (TRANSPORTSA-005) element.
UOM-BASE	3615	OAM_Type	Created a new Type definition. maxLength=1, String
UOM-BASE	3615	OAM_Type	Added a metadata reference for the new OAM_IND (EVC-016) element.
UOM-BASE	3615	ACT_Type	Added a metadata reference for the new OAM_ACT , P_ACT (EVC-016) element.
UOM-BASE	3615	MEG_L_Type	Created a new Type definition. maxLength=1, String
UOM-BASE	3615	MEG_L_Type	Added a metadata reference for MEG_L (EVC-016) element.
UOM-BASE	3615	VLAN_Type	Added the following metadata references: <ul style="list-style-type: none"> • MEP_ID (EVC-016, CN-011) element. • P_MID (EVC-016, CN-011) element.
UOM-BASE	3615	SMAN_Type	Created a new Type definition. maxLength=45, String
UOM-BASE	3615	SMAN_Type	Added a metadata reference for SMAN (EVC-016, CN-011) element.
UOM-BASE	3615	SMANF_Type	Created a new Type definition. maxLength=2, String
UOM-BASE	3615	SMANF_Type	Added a metadata reference for SMANF (EVC-016) element.
UOM-BASE	3615	SMM_Type	Created a new Type definition. maxLength=1, String
UOM-BASE	3615	SMM_Type	Added a metadata reference for SMM (EVC-016) element.

SUMMARY OF CHANGES ASOG V58

UOM-ASR VOLUME III – SUMMARY OF CHANGES FOR ASOG V58			
Schema	Issue #	Element Name	Description of Change
UOM-BASE	3615	P_MID_LIST	Created a new element.
UOM-BASE	3615	P_MID_LIST	Added a metadata reference for P_MID_LIST (016, 011) element.
UOM-BASE	3615	P_MID_LIST	Added the following elements to a new sequence: <ul style="list-style-type: none"> • P_ACT of existing Type ACT_Type, (Optional), minOccurs="0" • P_MID of existing Type VLAN_Type, (Optional), minOccurs="0"
UOM-ASR			
UOM-ASR	3618	LAT_LONG	Modified the LAT_LONG aggregate of LAT_LONG_ComplexType from (Required) "minOccurs 1" to (Optional), minOccurs="0".
UOM-ASR	3617	TRANSPORT	Added the new LATENCY element to the sequence following MSFS.InformationRate_Type, (Optional), minOccurs="0".
UOM-ASR	3615	EVC_DETAILS	Added the new element OAM_IND of new Type OAM_Type, (Optional), minOccurs="0", following NUT.
UOM-ASR	3615	EVC_DETAILS	Added a ref to the new (optional) minOccurs="0" element OAM_DETAIL following EPS and before UNI_MAPPING
UOM-ASR	3615	OAM_DETAIL	Add the following elements to a new sequence: <ul style="list-style-type: none"> • OAM_ACT of existing Type ACT_Type, (Optional), minOccurs="0" • MEG_L of new Type MEG_L_Type, (Optional), minOccurs="0" • MEP_ID of existing Type VLAN_Type, (Optional), minOccurs="0" • SMAN of new Type SMAN_Type, (Optional), minOccurs="0" • SMANF of new Type SMANF_Type, (Optional), minOccurs="0" • SMM of new Type SMM_Type, (Optional), minOccurs="0"
UOM-ASR	3615	OAM_DETAIL	Added a ref to the new (Optional) minOccurs="0", maxOccurs="10", element P_MID_LIST at the end of the sequence following SMM.
UOM-ASRInquiry			
UOM-ASRInquiry			
UOM-ASRMEC			
UOM-ASRMEC			
UOM-ASRNotify			
UOM-ASRNotify	3607	ASR_NOTIFICATION_Type	Insert new aggregate ADDRESS_MOD_Type within ASR_NOTIFICATION_Type

SUMMARY OF CHANGES ASOG V58

UOM-ASR VOLUME III – SUMMARY OF CHANGES FOR ASOG V58			
Schema	Issue #	Element Name	Description of Change
UOM-ASRNotify	3607	ADDRESS_MOD_Type	Inserted a new element ADDRESS_MOD at the root level.
UOM-ASRNotify	3607	ADDRESS_MOD_Type	Defined a sequence of CNR (Required), minOccurs="1" and LOCATION_ID , (Required), minOccurs="1", maxOccurs="unbounded".
UOM-ASRNotify	3607	CNR	No change to existing element definition.
UOM-ASRNotify	3607	LOCATION_ID	Defined a sequence of elements: REFNUM of IndexNumber4_Type, (Required), minOccurs="1", PI of IndicatorY_Type,, (Optional), minOccurs="0", SUPI of IndicatorY_Type, (Optional), minOccurs="0", and ADDR of Address_ComplexType maxOccurs =1".
UOM-ASRNotify	3607	Address_ComplexType	No change to existing element definition.
UOM-ASRNotify	3615	VC	Added the following elements to the existing sequence following RVC1: <ul style="list-style-type: none"> • MEP_ID of existing Type VLAN_Type, (Optional), minOccurs="0" • SMAN of new Type SMAN_Type, (Optional), minOccurs="0"
UOM-ASRNotify	3615	VC	Added a ref to the new (Optional) minOccurs="0", maxOccurs="10", element P_MID_LIST following SMAN and prior to EVC.
UOM-ASRNotify	3618	PTA_EVC	Update the position of the UREF element within the sequence from position 2 to position 1.

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1 Scope, Purpose, & Field of Application

1.1 Scope

The scope of this specification is to develop an Alliance for Telecommunications Industry Solutions (ATIS) standard that specifies an interface for the Unified Ordering Model – Access Service Request (UOM-ASR). The interface is specified using the telecommunications Markup Language (an extension of XML), as defined in tML Framework Document (ITU-T M.3030).

1.2 Purpose

This standard defines tML Schemas for the TMN X-interface (M.3010) to support the UOM-ASR.

This standard uses tML Schemas for conveying request, response, notification, acknowledgement, and exception response information across an interactive interface. This standard allows access service customers to do the following interactions:

- Request
- Response
- Notification
- Acknowledgement
- Exception Response

1.3 Application

The tML Schemas presented in this document are based on the packages in UOM, an information model described in UOM-ASR Volume II. The tML Schemas included in this document are: UOM-Base, UOM-ASR, UOM-ASRInquiry, UOM-ASRMEC and UOM-ASRNotify. The UOM-Base Schema defines all reusable domain specific and non-domain specific common types and elements that are used in tML Schemas for various UOM applications. The first application is UOM-ASR as described in this document.

The request, response, notification, acknowledgement, and exception response functions are supported in the UOM (information model in UOM-ASR Volume II) by defining object classes, their properties, and their relationships. While the UOM-ASR Volume II is the technology-independent specification of UOM, UOM-ASR Volume III is a technology-specific definition of the access domain interactions of the information model described in UOM-ASR Volume II. The tML Schemas (namely UOM-ASR, UOM-ASRInquiry, UOM-ASRMEC and UOM-ASRNotify) present the service request, inquiry, notification, acknowledgement, and exception response interactions in the access domain.

2 Standards/References

The following standards and industry guidelines provide supportive documentation to this document.

2.1 ATIS References

- *ATIS-0404000-0057: Access Service Ordering Guidelines (ASOG), Effective September 2018*
- *ATIS-0404120-0010: Multiple Exchange Carriers Ordering and Design (MECOD) Guidelines for Access Service, Version 10, Effective March 2018*