



ATIS STANDARD

ATIS-0404110-0032

**Unified Ordering Model - Access Service Request
(UOM-ASR)**

Volume I

Business Requirements

For An

Electronic Ordering Interface



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ATIS – 0404110-0032

Unified Ordering Model - Access Service Request (UOM-ASR) – Business Requirements for an Electronic Ordering Interface

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

Published by

Alliance for Telecommunications Industry Solutions

1200 G Street, NW, Suite 500

Washington, DC 20005

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UOM-ASR VOLUME I ASOG V57 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I ASOG V57 CHANGES - ISSUES INCLUDED IN THIS SYNOPSIS	
ISSUE NUMBER	DESCRIPTION
3602	ASOG: Provider Test Acceptance Notification
3609	ASOG: Modify PTA (020) practice to support new fields (ASR NO, PTA VER, VC NUM...) and clarify existing assumptions

ISSUES ASSOCIATED WITH ASOG V57	
ISSUE NUMBER	DESCRIPTION
3575 (withdrawn)	ASOG: Define Service Operations, Administration and Maintenance (SOAM) elements within the service ordering process
3604	ASOG: Field modification based on RTR update within ASOG 56
3605	ASOG: SR field modification for new values
3606	ASOG: Modify the SALI Form (Practice 015) to add Latitude and Longitude
3610	ASOG: Update fields on Trunking Form to support minimal disconnect principals

UOM-ASR VOLUME I ASOG V57 SYNOPSIS OF CHANGES

The following table depicts the type of change category definitions:		
TYPE OF CHANGE	=	CATEGORY DEFINITIONS
NEW	=	Adding a new field
REM	=	Removing an existing field
FN	=	Field/Tag name change (e.g., EXEMPT REASON changed to ER)
FORMAT	=	Field format change (e.g., moved to another section of the form, etc.)
DEF	=	Definition change
DEFN	=	Definition notes addition, change, deletion
VE	=	Valid entries addition, change, deletion
VEN	=	Valid entry notes addition, change, deletion
USE	=	Usage statement change
USEN	=	Usage notes addition, change, deletion
DC	=	Data characteristics change (e.g., change from numeric to alpha/numeric)
DCL	=	Data characteristics length change
DCN	=	Data characteristics note addition, change, deletion
EX	=	Example addition, change, deletion
EXN	=	Example notes addition, change, deletion
FORM	=	Changes made to the ASR forms (i.e., additions, rearrangements, field length changes or deletions of fields)
GLOSSARY	=	Identifies changes within the glossary sections (i.e., additions or deletions of fields)
TEXT	=	Identifies changes within the text of a section (i.e., additions or deletions of fields)

UOM-ASR VOLUME I ASOG V57 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I – SYNOPSIS OF CHANGES FOR ASOG V57					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
n/a	3609	4 UOM-ASR High Level Process Overview	TEXT	Within the third bullet, Post-Confirmation, spelled out Design Layout Record Notification and inserted Provider Test Acceptance Notification (PTA).	
n/a	3602	4.1 UOM-ASR Functional Steps	FIG 4	Updated the UOM-ASR Business Functions diagram (Figure 4) to include Provider Test Acceptance under Post-Confirmation functions.	
n/a	3602	4.1.1 Description	TEXT	Spelled out “design layout record” and added provider test acceptance notification to the Description.	
n/a	3602	4.1.2 Process Steps	TEXT	Updated the Process Steps to include provider test acceptance.	
n/a	3602	5.3 UOM-ASR Post-Confirmation Notice Activities	TEXT	Updated text to include PTA Notification.	
n/a	3602	5.3 UOM-ASR Post-Confirmation Notice Activities	FIG 7	Updated the UOM-ASR Post-Confirmation Activities diagram to include PTA Notification activity.	
n/a	3609	5.3 UOM-ASR Post-Confirmation Notice Activities	FIG 7	Within the UOM-ASR Post-Confirmation Activities diagram, modified decision “Error Condition Detected” to activity “Initiate C/NR process”. Modified subsequent decision to “Service Request Completed”.	
n/a	3609	9 UOM-ASR Post-Confirmation Use Cases	TEXT	Updated text to capitalize “Confirmation” and include PTA Notification.	
n/a	3602	9 UOM-ASR Post-Confirmation Use Cases	TEXT	Updated text to reference PTA Use Case.	
n/a	3602	9 UOM-ASR Post-Confirmation Use Cases	FIG 33	Updated UOM-ASR Post-Confirmation Business Requirements Use Case diagram to include PTA Notification.	
n/a	3602	9.3 PTA Notification Use Case	NEW	Added new section 9.3, PTA Notification Use Case and new Figure 37 – UOM-ASR PTA Notification Use. Renumbered existing sections and figures accordingly.	

UOM-ASR VOLUME I ASOG V57 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I – SYNOPSIS OF CHANGES FOR ASOG V57					
PRAC #	ISSUE #	Field/Section	Type Of Change	Description of Change	Field Length
NOTES: The following non-substantive global changes were made to the document: <ul style="list-style-type: none">• Change all ASOG 56 to ASOG 57; Version 56 to Version 57; Issue 31 to Issue 32• Change ATIS document number from ATIS-0404110-0031 to ATIS-0404110-0032• Update Issue Date• Update all Figure numbers and references as applicable					

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1 Introduction to UOM

The intent of Unified Ordering Model (UOM) is to develop a complete set of system documentation using an end-to-end structured methodology. The scope of UOM encompasses business requirements, analysis, design and implementation. Logically, these components are defined within the UOM in four volumes.

UOM-ASR Volume I

Provides an explanation of the business requirements and a conceptual overview of the solution. This conceptual overview is high-level. It defines “what” the user initially sees as the problem and “how” the user sees the business solution.

UOM Volume II

Analysis may be seen as using the requirements and developing a more detailed understanding of the scope. In effect, this step defines “what” the proposed technical resolution needs to support. It is a logical view of the proposed solution, which meets the business need, and it is not based on any particular software protocol.

UOM Volume III

The logical view of the proposed resolution (model), created in the *Analysis Phase*, is translated into the language appropriate for the selected implementation technology. Design focuses on “how” the implementation shall resolve the business requirements. It may be necessary to repeat the *Design Phase* if more than one implementation technology is selected.

UOM Volume IV

Resolves any outstanding implementation specifications that must be addressed before the system specifications can be realized using the selected implementation technology. As with the *Design Phase*, the *Implementation Phase* may also have to be repeated in order to provide support for multiple technologies.

UOM Process and Document Development

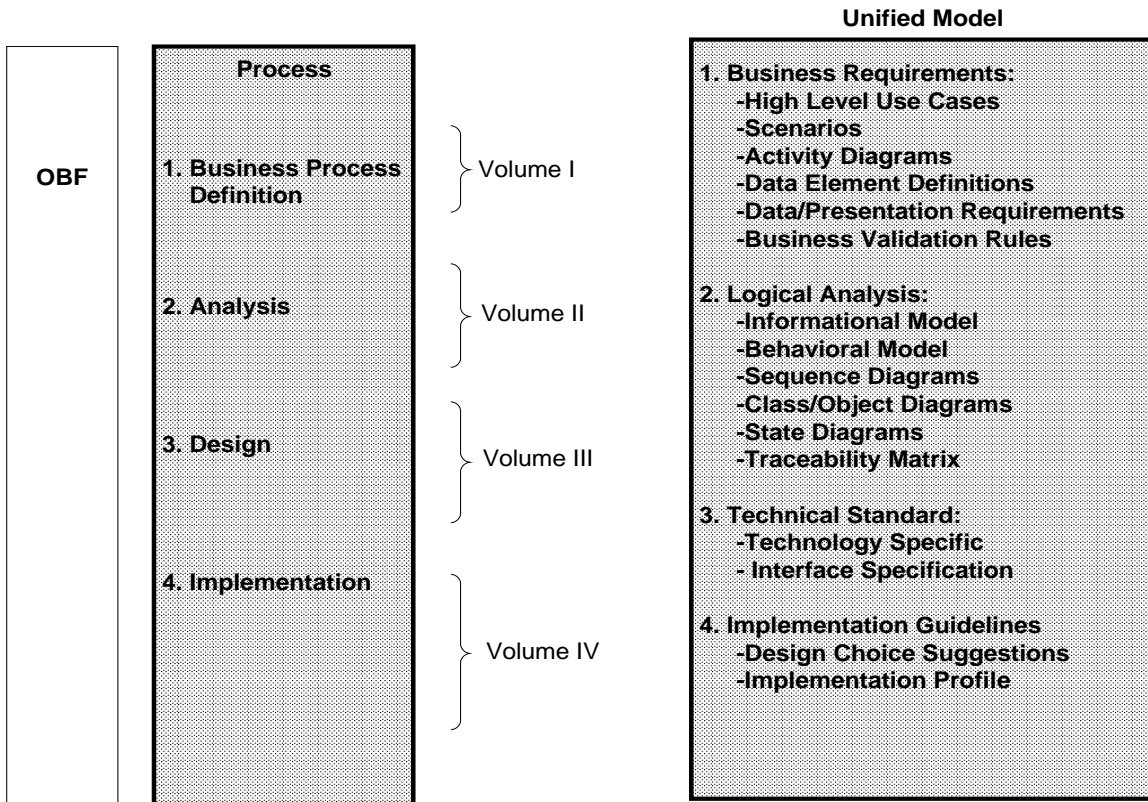


Figure 1 – UOM-ASR Process and Document Development

2 UML

2.1 Introduction

By definition a model is an abstraction. The Unified Modeling Language (UML) is the “visual” notation used within UOM Volume I. The UML supports several constructs that provide a consistent notation used to describe the UOM. The use of UML is for descriptive purposes. In some instances this Volume may not strictly adhere to existing UML specifications.

The UML is graphical in nature and is sometimes referred to as a visual specification language. The use of graphics helps in a.) abstracting design features and b.) showing the relationships between design elements.

The UML should be used to document all the relevant relationships that are important in describing this abstract view.

The constructs used in Volume I are:

- Use Cases that define the user's view of the system
- Activity Diagrams that can be used to describe process flows

3 UOM-ASR

The purpose of this document is to clearly define the business requirements for the electronic ordering of Access Service Requests (ASRs), including the exchange of data between providers in support of jointly provided (Meet Point) services, and the transmitting of Design Layout Report (DLR) information. As such, this document is referred to as UOM-ASR. It is the first volume, in the set of four, defined within the UOM process.

The UOM-ASR Volume I does not convey licensing right to non-COMMON LANGUAGE®¹ licensees to use the COMMON LANGUAGE code sets identified throughout the UOM-ASR Volume I document in their internal operations. Where COMMON LANGUAGE is provided, its intended use by non-COMMON LANGUAGE licensees is limited. Allowable uses will be specified by the COMMON LANGUAGE licensee, per their COMMON LANGUAGE contract.

The UOM-ASR draws its requirements from Access Service Request Ordering Guidelines (ASOG), Multiple Exchange Carriers Ordering and Design (MECOD), and Design Layout Report (DLR) documents. The ASOG, MECOD and DLR documents are developed and maintained by the Ordering Solutions Committee - Access Service Ordering Subcommittee within the Ordering and Billing Forum (OBF).

In effect, the UOM-ASR ties these requirement documents together, to clearly define the process necessary for ordering ASR services, exchanging information between providers when services are jointly provided, and transmitting DLR information via a mechanized process.

The UOM-ASR is able to tie these sets of requirements together through the use of the Unified Modeling Language (UML). The UML is a widely accepted methodology for defining requirements.

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