ATIS-0404110-0030

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

Volume I

Business Requirements

For An

Electronic Ordering Interface

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ATIS – 0404110-0030

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)

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UOM-ASR VOLUME I ASOG V55 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I ASOG V55 CHANGES - ISSUES INCLUDED IN THIS SYNOPSIS	
ISSUE NUMBER	**DESCRIPTION**

ISSUES ASSOCIATES WITH ASOG V55	
ISSUE NUMBER	**DESCRIPTION**
3561	ASOG: Modify RUID and EVCI fields to clarify on Disconnect orders
3562	ASO-RG: Review ASO-RG to Identify the Appropriate Placement of Substantive Documentation
3569	ASOG: Review the Frequency of ASOG Releases (Withdrawn)
3570	UOM-ASR: Remove references for Customer Initiated Jeopardy from UOM Vol II
3571	ASOG: Update Practice025 (ECI)
3572	ASOG: Remove references to the BANC process from the ASOG

UOM-ASR VOLUME I ASOG V55 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 V55 SYNOPSIS OF CHANGES

UOM-ASR VOLUME I – SYNOPSIS OF CHANGES FOR ASOG V55					
PRAC #	**ISSUE #**	**Field/Section**	**Type Of Change**	**Description of Change**	**Field Length**

NOTES:

There were no Issues impacting UOM – Volume I for ASOG V55. The following non-substantive global changes were made to the document:

- Change all ASOG 54 to ASOG 55; Version 54 to Version 55; Issue 29 to Issue 30
- Change ATIS document number from ATIS-0404110-0029 to ATIS-0404110-0030
- Update Issue Date

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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.

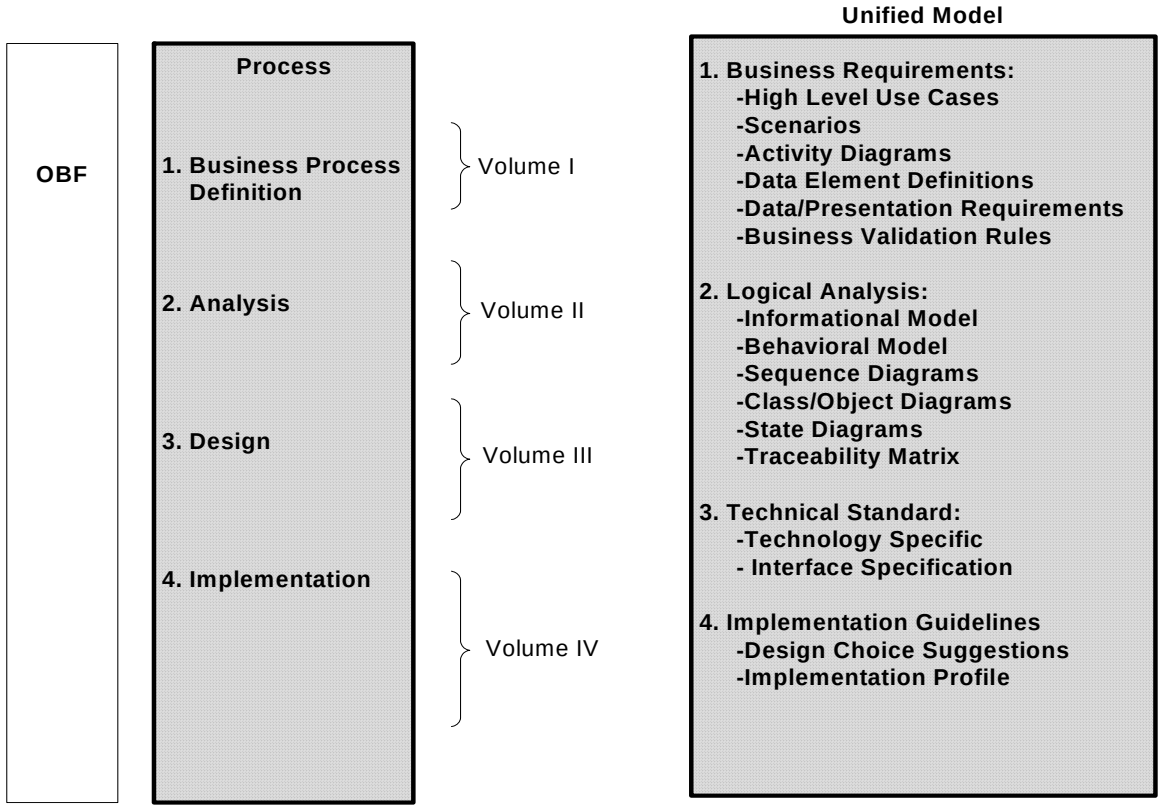

Figure 1 – UOM-ASR Process and Document Development

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.

[1] COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI and CLCI are trademarks of Telcordia Technologies.

UOM-ASR Access Ordering Relationships and Deliverables

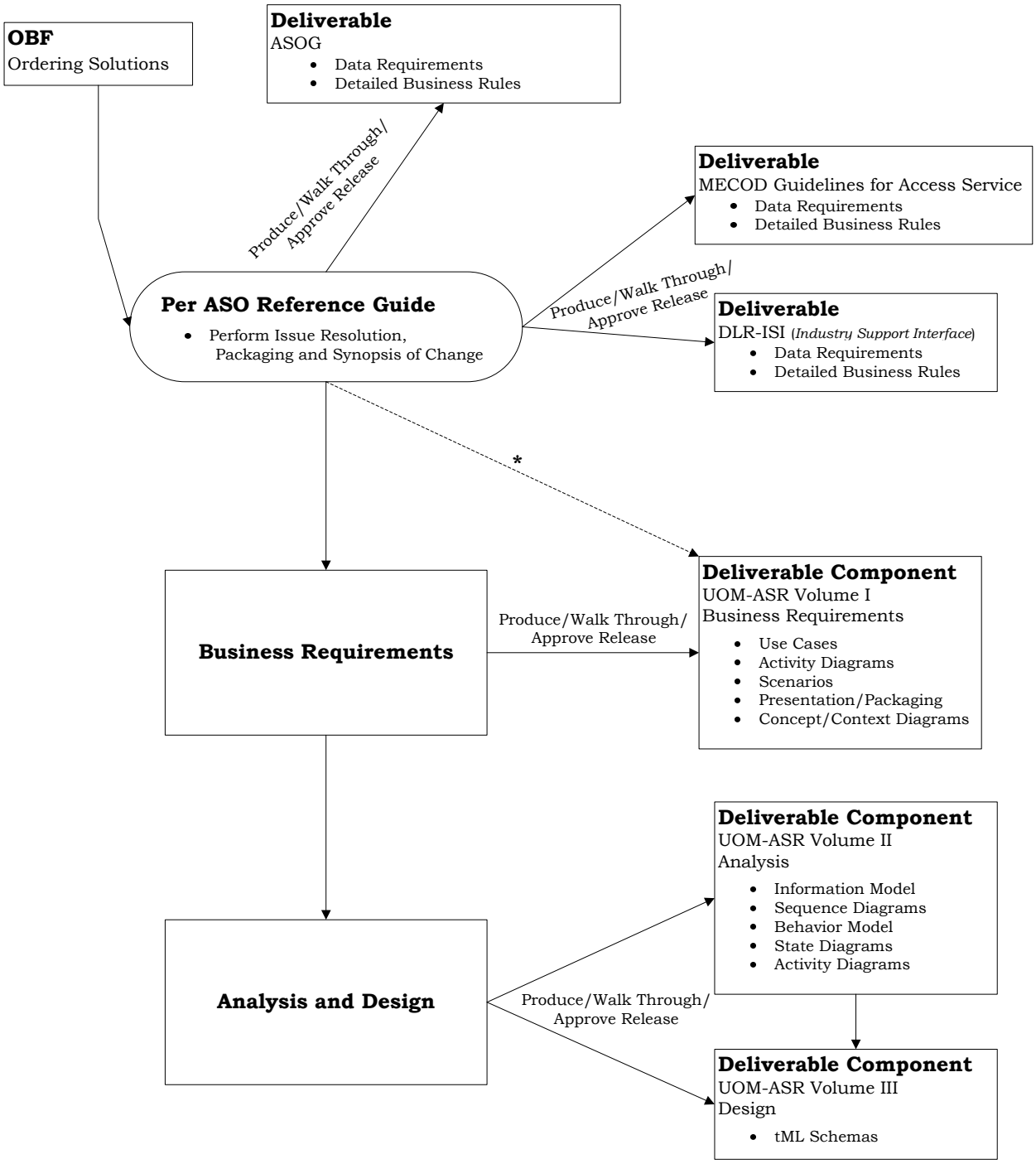

Figure 2 – Access Ordering Relationships and Deliverables

The UML is made up of numerous constructs that may be used throughout the requirements and analysis phases of the UOM Volume I and II. Therefore, by using the UML constructs, a standard method for documenting requirements is defined.

The constructs defined within Volume I are further defined and enhanced in Volume II. Together, Volumes I and II are a complete set of requirements which provide inter-related levels of detail that support the later Design and Implementation efforts, i.e., Volumes III and IV.

The UML constructs, which are supported in Volume I are Use Cases and Activity Diagrams.

- Use Cases describe at a high level how a system should function based on the user's view
- Activity Diagrams depict what happens within a business process. An Activity Diagram logically defines the steps within a process

These two constructs plus the business description defined within the UOM-ASR Volume I, ASOG, MECOD and DLR, encompass the core requirements of UOM-ASR.

Subsequent volumes draw upon these requirements to accurately define the implementation of the business requirements. (See Introduction to UOM for more detail.)

3.1 UOM-ASR Business Requirements Process

Since UOM is an iterative process, that may be updated/changed on an ongoing basis, issues may be brought into the Ordering Solutions Committee. New issues should meet the requirements as defined by the ATIS Operating Procedures and the OBF Issue Process.

The Ordering Solutions Committee will work any issues until resolution is reached. If applicable, updates will be made to the appropriate documentation such as the ASOG, MECOD, DLR Guidelines for Access Service Industry Support Interface (DLR-ISI) and UOM-ASR. The later volumes of the UOM will be updated by members within the Access Service Ordering (ASO) sub-committee who can provide business requirements knowledge of the issues as resolved and/or technical expertise on UML Modeling and XML schema design.