



ATIS STANDARD

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Access Service Ordering Guidelines (ASOG)

Version 57

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Implemented: September 15, 2018

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Issued: September 21, 2018

Implemented: March 16, 2019

ASOG V57 SYNOPSIS OF CHANGES

ISSUES INCLUDED IN THIS SYNOPSIS	
ISSUE NUMBER	DESCRIPTION
3602	ASOG: Provider Test Acceptance Notification
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
3609	ASOG: Modify PTA (020) practice to support new fields (ASR NO, PTA VER, VC NUM...) and clarify existing assumptions
3610	ASOG: Update fields on Trunking Form to support minimal disconnect principals

ISSUES ASSOCIATED WITH ASOG V57	
ISSUE NUMBER	DESCRIPTION
3575 (Withdrawn)	ASOG: Define Service Operations, Administration and Maintenance (SOAM) elements within the service ordering process

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)

ASOG V57 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change	Field Length
Overview					
000a	3602	Forms & Practices	TEXT	Added Provider Test Acceptance Form Preparation Guide to list of Forms.	
000a	3602	Forms & Practices	TEXT	Added Provider Test Acceptance (PTA) as description of new Form.	
000a	3602	Provider Initiated Forms	TEXT	Added Provider Test Acceptance Form to list of Forms.	
000a	3602	Provider Test Acceptance (PTA)	TEXT	Added new section 4.16, Provider Test Acceptance (PTA) and renumbered subsequent sections.	
000b	3602	Provider Test Acceptance	TEXT	Added new section 27, Provider Test Acceptance.	
ASR					
001	3604	DSG FAX NO	USEN	Remove RTR = 1-10	
001	3604	DRC	USEN	Remove RTR = 1-10	
001	3604	FDRG	USEN	Remove RTR = 1-10	
001	3602	RTR	DEF	Modified the definition for of RTR on the ASR Form.	
001	3602	RTR	VE	Added Valid Entries of "P" and "T" to the RTR field on the ASR Form.	
001	3602	RTR	VEN	Modified Valid Entry Note 1 and added a new Valid Entry Note 2 to the RTR field on the ASR Form.	
001	3602	DSG FAX NO	DEF	Modified the definition for of DSG FAX NO on the ASR Form.	
001	3602	DSG FAX NO	USEN	Modified Usage Note 1 of the DSG FAX NO field on the ASR Form.	
001	3602	DRC	USEN	Modified Usage Notes 1 and 2 of the DRC field on the ASR Form.	

ASOG V57 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change	Field Length
001	3602	FDRG	USEN	Modified Usage Note 1 of the FDRG field on the ASR Form.	
FG A					
002					
WAL					
003					
Trunking					
004	3610	CSPC	USEN	Modify Usage Notes 1 & 2	
004	3610	LT	USEN	Modify Usage Note 1	
004	3610	SLC	USEN	Modify Usage Note 1 and add Usage Note 2 and 3	
Transport					
005					
MSL					
006					
ACI					
007					
SES					
008					
OB					
009					
CN/R					
010					

ASOG V57 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change	Field Length
CN					
011	3604	DLRD	USEN	Remove RTR = 1-10	
011	3602	DLRD	USEN	Modified Usage Note 1 of the DLRD field on the CN Form.	
PC					
012					
EUSA					
013					
EOD					
014					
SALI					
015	3606	AFT	VE	Add new Valid Entry of "F" to indicate Provisional Service Delivery Location determined by Latitude and Longitude	1
015	3606	AFT	VEN	Add new Valid Entry Note 5: A value of "F" indicates a provisional service delivery location that has been assigned based on Latitude and Longitude.	
015	3606	AFT	USEN	Updated Usage NOTE 1 to include a value of "F".	
015	3606	LAT	NEW	Add new Latitude (LAT) field to the SALI Form.	9
015	3606	LAT	FORM	Added new Latitude (LAT) field to the Enumerated and Camera Ready forms.	9
015	3606	LAT	GLOSSARY	Added new Latitude (LAT) field to the Alpha/Numeric Glossary on the SALI Form.	
015	3606	LONG	NEW	Add new Longitude (LONG) field to the SALI Form and renumbered subsequent fields.	11
015	3606	LONG	FORM	Added new Longitude (LONG) field to the Enumerated and Camera Ready forms.	11

ASOG V57 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change	Field Length
015	3606	LONG	GLOSSARY	Added new Longitude (LONG) field to the Alpha/Numeric Glossary on the SALI Form and renumbered subsequent fields.	
EVC					
016					
VCAT					
017					
MEC					
018					
TQ					
019					
PTA					
020	3602	Provider Test Acceptance (PTA)	NEW	Created new PTA Practice with new fields	
020	3602	Provider Test Acceptance (PTA)	GLOSSARY	Created new glossary	
020	3602	CAMERA READY FORM	FORM	Created new form	
020	3602	ENUMERATED FORM	FORM	Created new form	
020	3609	ASR NO	NEW	Added new ASR NO field. Renumbered fields accordingly.	18
020	3609	PTA VER	NEW	Added new PTA VER field. Renumbered fields accordingly.	11
020	3609	VC NUM	NEW	Added new VC NUM field. Renumbered fields accordingly.	4

ASOG V57 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change	Field Length
020	3609	Ethernet Virtual Circuit Section	TEXT	Renamed Ethernet Virtual Circuit Section to Virtual Circuit Section and modified EVCID to be VCID, EVC ORD to be VC ORD, and EVC CKR to be VC CKR.	
020	3609	Alpha/Numeric Glossary	GLOSSARY	Modified Glossary to include new fields and updated field names.	
020	3609	Remarks	FORMAT	Moved the Remarks field from the Circuit Detail section to the Administration section. Renumbered fields accordingly.	
020	3609	Form	FORM	Updated the Camera Ready and Enumerated Forms to reflect the addition of new fields and modifications to existing fields.	
RING					
021					
ARI					
022	3605	SR - Special Routing Code	VE	Addition of P = Path Protection	
022	3605	SR - Special Routing Code	VE	Addition of 8 = Path Protection at Interoffice Facility	
022	3605	SR - Special Routing Code	VE	Addition of P = Path Protection at Secondary Location	
VC					
023					
NAI					
024					
ECI					
025					

ASOG V57 SYNOPSIS OF CHANGES

SYNOPSIS OF CHANGES					
PRAC #	ISSUE #	Field/ Section	Type Of Change	Description of Change	Field Length
PIP					
026					
DIS					
027					
PVC					
028					
NOTES:					



ATIS-0404000-0057

**Access Service Request Ordering Overview
Access Service Ordering Guidelines (ASOG)
Industry Support Interface**

Version 57



As a leading technology and solutions development organization, ATIS brings together the top global ICT companies to advance the industry's most-pressing business priorities. Through ATIS committees and forums, nearly 200 companies address cloud services, device solutions, M2M communications, cyber security, ehealth, network evolution, quality of service, billing support, operations and more. These priorities follow a fast-track development lifecycle—from design and innovation through solutions that include standards, specifications, requirements, business use cases, software toolkits and interoperability testing.

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Access Service Request Ordering Overview - Access Service Ordering Guidelines (ASOG)

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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Access Service Request Ordering Overview

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1 General

In an effort to insure that all possible providers, users and customers of access services or local trunking services are addressed in all issues and documentation maintained by or on behalf of the Ordering & Billing Forum, two terms describing these providers, users and customers will be used:

- Customer
- Provider

Throughout this document, the term customer describes the entity ordering services (e.g., an interexchange carrier or end user). The term provider describes the entity providing the service (e.g., an exchange carrier).

This overview describes the various ordering forms used for the purpose of requesting service to be provided by the providers. These instructions are equally applicable to manual (paper) and mechanized (electronic) forms of ordering by the customer when placing an order for service under the various provider tariffs/contracts/negotiations.

Many fields within the ASOG are applied on the same basis in both Canada and the United States.

In Canada, the geographical equivalent of a state is known as a province. In cases where there is a geographic reference, "state/province" will be indicated in the field definition where applicable.

The concept of LATA does not exist in Canada. Canadian providers are regulated at the federal level. For fields where a reference is made to state in association with regulatory issues or LATA, there will be no reference to "province" in the definition.

This guideline is reissued to reflect changes necessary to clarify the Access Service Request (ASR) ordering process as recommended by provider representatives and customer representatives in the Ordering and Billing Forum committees. Requests for changes, additions, deletions or other such enhancements are to be forwarded in accordance with the procedures in the Ordering and Billing Forum.

The ASR does not convey licensing right to non-COMMON LANGUAGE®¹ licensees to use the COMMON LANGUAGE code sets identified throughout the ASR 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.

1.1 Definitions

The following list of definitions provides some of the most frequently used terms in ASR ordering. Refer to the access service tariffs/contracts/negotiations for a more extensive list or the various technical references addressing these services.

¹ COMMON LANGUAGE is a registered trademark and CLEI, CLLI, CLFI, CLCI and NC/NCI are trademarks of Telcordia Technologies.

Access Code: Denotes a uniform five or seven digit code assigned by the provider to an individual customer. The five digit code has the form 10XXX and the seven digit code has the form 950-XXXX or 101XXXX. It is important to be cognizant of another access code used within an end user switching vehicle (PBX, Centrex). This access code is usually a three digit code for tie-trunk, FX, WATS, etc. or is a one digit code such as used in hotels for accessing various telecommunication services.

Access Minutes - Interexchange Carriers: Denotes the usage of exchange facilities for the purpose of calculating chargeable access usage. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the provider and acknowledged as received by the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both the originating and terminating end of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable. Those two times are measured by the receipt of a signal known as answer/disconnect supervision.

Access Service: Service and facilities provided for the origination or termination of InterLATA/IntraLATA or foreign telecommunications.

Access Tandem (AT): A provider switching entity designated by the provider for the purpose of originating and terminating traffic to end offices identified as subtending that access tandem. It is represented by an 11-character CLLI code.

Acceptance (Cooperative) Tests: Non-chargeable tests which are performed by the provider in cooperation with the customer at the customer's request at the time service is installed.

Answer/Disconnect Supervision: The transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the customer Point of Termination (POT) as an indication that the called party has answered or disconnected.

Autonomous System (AS): A collection of connected Internet Protocol (IP) routing prefixes under the control of one or more network operators that presents a common, clearly defined routing policy to the Internet. A unique Autonomous System Number (ASN) is allocated to each AS for use in Border Gateway Protocol (BGP) routing. The ASN uniquely identifies each network on the Internet.

Border Gateway Protocol (BGP): The routing protocol that is designed to make core routing decisions between autonomous systems (AS) on the Internet.

Busy Hour Minutes of Capacity (BHMC): Denotes the average of the highest time consistent hour of usage during the highest twenty consecutive day period during a calendar year.

Carrier: Any individual, partnership, association, joint-stock company, trust or corporation engaged for hire in interstate, intrastate or foreign communication by wire or radio.

Central Office: A local provider switching system where Telephone Exchange Service customer station loops are terminated for purposes of connections to each other and to trunks.

Central Office Prefix: The first three digits (NXX) of the seven digit telephone number assigned to an end user's Telephone Exchange Service when dialed on a local basis.

Channel(s): An electrical or photonic, in the case of fiber optic-based transmission systems, communications path between two or more points of termination.

Circuit Administration Center (CAC): The provider organization which may have responsibility for developing Message Trunk forecasts, issuing Message Trunk orders and Network Routing orders to maintain Network service.

Circuit Provision Center (CPC): Denotes the provider organization which may have responsibility for the assignment of interoffice facilities and equipment, circuit design, and the preparation and distribution of work order documents for special services, message trunks and carrier systems.

Common Channel Signaling (CCS): A signaling method in which a signal channel conveys by means of labeled messages, signaling information relating to many circuits or calls and other information such as that used for network management.

Control Office/Center: A provider office that has been designated as the Control Office for installation and maintenance purposes on a given service furnished for a customer.

Critical Dates: The specific provisioning Control dates in the life of an order (e.g., APP, DLRD) generated for order control and progress monitoring purposes after the due date has been determined.

Custom Local Area Signaling Services (CLASS^{sm2}): Features, such as calling number delivery, callback to calling number and end user originated call trace, associated with end user lines requiring support of SS7 signaling.

Customer: Any individual, partnership, association, corporation or governmental agency or any other entity which subscribes to the services offered to provide telecommunications services for its own use or for use of its customers (end users).

Customer's Agent: An entity which has an agreement between itself and its customer empowering that entity to act as the customer's agent on some or all matters concerning service being provided to the customer. The entity obtains an agency authorization from its customer specifying the degree of responsibility conferred on that entity.

Customer/Provider Negotiations: Throughout the ASOG and associated industry documents, there are references to terms such as: "Customer/Provider Negotiations", "Customer Provider Agreements" and "Provider/Tariff/Contracts/Negotiations".

Although common industry standard definitions and guidelines may exist, the industry recognizes that there may be variances based on individual provider practices.

Typical customer/provider negotiations may include (but not be limited to) the following:

- Use of a field
- Valid entries within a field
- Application of usage rules within a field

The information above does not override the guidelines found in Section 2 pertaining to conventions within this document.

² CLASS is a ServiceMark of Telcordia Technologies, Inc.