



Application Server Provisioning

Interface Specification

Release 19.0
Document Version 1

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BroadWorks® Guide

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This document is printed in the United States of America.

Document Revision History

Release	Version	Reason for Change	Date	Author
14.0	1	Updated document for rebranding.	March 6, 2006	Patricia Renaud
14.0	1	Deleted custom features.	May 17, 2006	Patricia Renaud
14.0	1	Updated section 5.2 to correct CLI level OCI/Reporting.	June 20, 2006	Robb Surridge
14.0	1	Added Release 13 to 14 changes and updated transactions and authorizations.	August 16, 2006	Bob Russell
14.0	1	Edited document.	September 2, 2006	Patricia Renaud
14.sp2	2	Added information for OCI-P over SOAP.	May 3, 2007	Doug Crank
14.sp2	2	Edited and published document.	May 18, 2007	Patricia Renaud
14.sp2	3	Added note about invalid session IDs and dropped connections to section 3.2 Technical Summary (EV 48809).	May 31, 2007	Robb Surridge
14.sp2	3	Edited changes and published document.	June 21, 2007	Andrea Fitzwilliam
14.sp2	4	Updated OSS interface information in section 1.12 Changes for Release 14.0 for EV 53540.	October 2, 2007	Roberta Boyle
14.sp2	4	Made small change to section 1.12 Changes for Release 14.0 for failed EV 53540.	October 18, 2007	Roberta Boyle
14.sp2	4	Added note to Domains in section 5.1 Base Configuration for EV 54703.	October 23, 2007	Roberta Boyle
14.sp2	4	Edited changes and published document.	November 12, 2007	Andrea Fitzwilliam
14.sp4	5	Updated transactions and authorizations for Release 14.sp4.	February 13, 2008	Bob Russell
14.sp4	5	Edited changes and published document.	February 15, 2008	Andrea Fitzwilliam
15.0	1	Updated document to 15.0.	June 17, 2008	Bob Russell
15.0	1	Edited changes from Release 14.0 and published document.	July 14, 2008	Andrea Fitzwilliam
15.0	2	Added section 9.2 SOAP Sessions with more information regarding cookies and sessions. Added section 12.7 What is the JSESSION ID and who creates it?	July 23, 2008	Steve Davis
15.0	2	Edited changes and published document.	August 26, 2008	Andrea Fitzwilliam
16.0	1	Updated document for Release 16.0.	June 9, 2009	Bob Russell
16.0	1	Updated section 7 XML Schema for EV 95752.	July 9, 2009	Roberta Boyle

Release	Version	Reason for Change	Date	Author
16.0	1	Edited changes and published document.	July 15, 2009	Andrea Fitzwilliam
16.0	2	Updated the following sections for EV 100472: 12.4 Is there an OCI-P Demo Client? 12.5 Is there an OCI-P SOAP Demo Client?	November 25, 2009	Patricia Renaud
17.0	1	Updated document for Release 17.0.	March 10, 2010	Tony Pilote
17.0	1	Edited and published document.	March 24, 2010	Margot Hovey-Ritter
17.0	2	Added a section describing requests and responses for EV 110810.	August 25, 2010	Steve Davis
17.0	2	Updated section 3.1 Functional Summary for EV 117130.	August 31, 2010	Goska Auerbach
17.0	2	Updated section 11.1 MD5 Encrypted Password Calculation for EV 118637.	September 23, 2010	Goska Auerbach
17.0	2	Edited changes and published document.	November 2, 2010	Andrea Fitzwilliam
17.0	3	Updated document for EV 120558.	December 15, 2010	Goska Auerbach
17.0	3	Updated links to Xchange.	January 27, 2010	Goska Auerbach
17.0	3	Updated section 10 Backward Compatibility .	February 21, 2011	Engineering
17.0	3	Removed unnecessary BCCT references for EV 128395. Updated the demo client information.	February 24, 2011	Engineering
17.0	3	Made minor editorial changes.	February 25, 2011	Goska Auerbach
17.0	3	Edited changes and published document.	April 12, 2011	Jessica Boyle
17.0	4	Updated section 10 Backward Compatibility for EV 141758.	May 16, 2011	Engineering
17.0	4	Edited changes and published document.	July 13, 2011	Jessica Boyle
17.0	5	Updated section 3.1 Functional Summary for EV 145537.	July 14, 2011	Engineering
17.0	5	Edited changes and published document.	July 26, 2011	Jessica Boyle
18.0	1	Updated document for Release 18.0.	August 31, 2011	Engineering
18.0	1	Edited changes and published document.	October 4, 2011	Andrea Fitzwilliam
18.0	2	Updated sections 10.3 OCI Commands Removed in Release 18.0 and 10.5 OCI Commands Removed in Release 17.0 .	October 27, 2011	Engineering
18.0	2	Edited changes and published document.	October 31, 2011	Andrea Fitzwilliam

Release	Version	Reason for Change	Date	Author
19.0	1	Updated document for Release 19.0 and EV 162887 and 154303.	October 15, 2012	Engineering
19.0	1	Edited changes and published document.	November 6, 2012	Patricia Renaud

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1 Summary of Changes

This section describes the changes to this document for each release and document version.

1.1 Changes for Release 19.0, Document Version 1

- Added section [7.2 Schema Zip Files](#).
- Updated section [9.3 Trace Example](#) for EV 162887.
- Added section [10.2 OCI Command Naming](#).
- Added section [10.3 OCI Commands Removed in Release 19.0](#).
- Updated section [12.3 How is the OCS configured?](#) for EV 154303.
- Updated [Appendix B: Authorization Levels](#).

1.2 Changes for Release 18.0, Document Version 2

This version of the document includes the following changes:

- Updated sections [10.4 OCI Commands Removed in Release 18.0](#) and [10.5 OCI Commands Removed in Release 17.0](#).

1.3 Changes for Release 18.0, Document Version 1

This version of the document includes the following changes:

- Updated section [6.4 Omissions](#) to add Call Center Enhanced Reporting-related file upload into OCI-R omissions.
- Updated section [10 Backward Compatibility](#) to describe the deprecated OCI commands in Release 18.0.
- Updated [Appendix B: Authorization Levels](#).
- Updated [Appendix C: Client Licenses Mapping](#) to remove the services associated with Client License 14 and 15.

1.4 Changes for Release 17.0, Document Version 5

- Updated section [3.1 Functional Summary](#) for EV 145537.

1.5 Changes for Release 17.0, Document Version 4

- Updated section [10 Backward Compatibility](#) for EV 141758.

1.6 Changes for Release 17.0, Document Version 3

- Added section [14 Appendix C: Client Licenses Mapping](#) for EV 120558.
- Updated links to Xchange.
- Updated section [10 Backward Compatibility](#).
- Removed all references to BCCT for EV 128395.
- Updated the demo client information in sections [12.4 Is there an OCI-P Demo Client?](#) and [12.5 Is there an OCI-P SOAP Demo Client?](#)

1.7 Changes for Release 17.0, Document Version 2

- Added section [4.2 Requests and Responses](#) for EV 110810.
- Updated section [3.1 Functional Summary](#) for EV 117130.
- Updated section [11.1 MD5 Encrypted Password Calculation](#) for EV 118637.

1.8 Changes for Release 17.0, Document Version 1

Creation of the document from Release 16.0 Version 2 with the following changes:

- Added a note about deprecation.

1.9 Changes for Release 16.0, Document Version 2

- Updated the following sections for EV 100472:
 - [12.4 Is there an OCI-P Demo Client?](#)
 - [12.5 Is there an OCI-P SOAP Demo Client?](#)

1.10 Changes for Release 16.0, Document Version 1

- Updated section [7 XML Schema](#) for EV 95752.
- Updated document for Release 16.0.

1.11 Changes for Release 15.0, Document Version 1

The following changes were made to this document for Release 15.0:

- Section [9.2 SOAP Sessions](#) and section [12.7 What is the JSESSION ID and who creates it?](#) were added.
- The document was updated for Release 15.0.

1.12 Changes for Release 14.0

The ability to filter messages for each external system for Open Client Interface (OCI) reporting was added.

The Operations Support System (OSS) interface is supported in Release 14.0 and Release 14.sp1, without any enhancements for functionality that has been added to BroadWorks since Release 13.0. Any functionality added in any maintenance patches (MPs) subsequent to Release 13.0 and in Release 14.0, itself, is not supported by the OSS interface.

It is not possible to provision to a BroadWorks Application Server via the OSS interface in Release 14.sp2 and higher as the code is removed.

1.13 Changes for Release 13.0

The existing Operations Support System (OSS) interface is now obsolete and has been replaced with a new provisioning interface called the Open Client Interface-Provisioning (OCI-P), which is introduced in Release 13.0. The OSS interface, which is now obsolete, is supported through Release 14.sp1. For more information on the obsolete interface, see *BroadWorks Application Server Provisioning Interface Specification Obsolete*, Release 13.

The following list summarizes the major differences between the OSS interface and OCI:

- The OCI-P uses an eXtensible Markup Language (XML) schema instead of a Document Type Definition (DTD), providing easier and more complete integration with the provisioning interface.
- The OCI-P uses more discrete transactions that can easily be understood. For example, modifyUserService, which handled all user services and required developers to select the correct DTD elements, is replaced by a transaction for each service, such as UserDoNotDisturbModifyRequest.
- The OCI-P is a common interface provided with the web and CLI interfaces instead of a separate interface. By default, this allows all functionality for the web and CLI interfaces to be exposed in an external interface.
- The OCI-P supports backwards compatibility for two releases.

The OCI-P has a reporting mechanism associated with it (OCI Reporting).

2 Overview

The Provisioning Server provides an external provisioning interface, which is a TCP-IP/XML-based interface that is used to allow third-party clients and legacy systems to inter-work with the Application Server. The server also provides a reporting interface that can be subscribed to for changes that take place in the system.

This document describes the external provisioning interface, both at a functional level and a more detailed interface specification level.

3 Overview of Open Client Interface-Provisioning

3.1 Functional Summary

The Open Client Interface (OCI) consists of provisioning and provisioning reporting parts.

Prior to Release 13.0, the provisioning part was the OSS Interface. The OSS Interface is replaced with an interface simply known as the OCI or OCI-P (provisioning part of OCI).

In general, the Open Client Interface-Provisioning (OCI-P) is a provisioning interface that allows third-party applications to perform on all business functions by BroadWorks. This allows communication to legacy systems or the creation of value-added clients.

The OCI is assessed from the Open Client Server (OCS), which resides on the Xtended Services Platform.

The OCI also has a reporting mechanism that sends all messages received in the same format to an external system. It can be used to receive changes made in the system so that legacy systems can be updated or external business logic can be executed. Note that in a few cases the message is modified to remove passwords and large binary files.

3.2 Technical Summary

The OCI is an XML-based application programming interface (API). The interface uses an XML schema to define the structure, content, and semantics of an XML document.

The OCI is available on the Provisioning Server and OCS using Transmission Control Protocol/Internet Protocol (TCP/IP) connections. Note that the OCS uses a standard TCP/IP connection with no special headers and is also the recommended entry point to the Provisioning Server.

The OCI-reporting interface can be accessed by opening a TCP/IP connection to port 8025 (default value) on the Provisioning Server. Note that it must first be configured in the CLI interface at the Interfaces/OCI/Reporting level, before it is used.

Note also that clients must present a valid session ID with each OCI command. Should a client attempt to execute a command using an invalid session ID, the Application Server will immediately drop the connection. This is done for security reasons, since an invalid session ID may indicate a compromised connection. It is recommended that provisioning clients monitor the connection status, so that they can re-establish dropped connections and re-authenticate with the Application Server before sending any further commands.

4 Details of Open Client Interface-Provisioning

4.1 Authorization Levels and Access Control

Each OCI command has an authorization level and access permission that is used to prevent third-party software from accessing or modifying data that is outside the scope of the login ID. These permissions are taken from the authenticated login ID for the connection established with BroadWorks.

4.1.1 Authorization Level

Each command has an authorization level. If the login ID is not at least at the level of authorization, the transaction is denied. The following list shows the authorization levels in order of access, from the most access to the least:

- System
- Provisioning
- Service provider
- Group
- User

For a list of OCI commands and their respective authorization levels, see [Appendix B: Authorization Levels](#).

Once the authorization level check is performed, each command is also checked for access control. Access control verifies that the login ID attempting to execute the command is allowed access to that data. This means service providers can only see the attributes of their service provider, their groups, and their users. The same principle applies for groups and users; they can only see data that “belongs” to them.

For example, only a service provider administrator from service provider A is allowed to retrieve groups from service provider A. A service provider administrator from service provider B would be denied access.

4.1.2 Error Message Example

The following example is an error message received from an unauthorized request or from a user who does not have access to the data.

```
<command xsi:type="c:ErrorResponse" echo="" type="Error">
<summary>[Error 4003] Unauthorized request:
UserDoNotDisturbGetRequestImpl</summary>
<summaryEnglish>[Error 4003] Unauthorized request:
UserDoNotDisturbGetRequestImpl</summaryEnglish>
</command>
```

4.2 Requests and Responses

The Open Client Interface-Provisioning follows a request/response pattern.

- When adding, deleting, or modifying data, the response indicates success or an error response.
- When retrieving information, the response contains either the requested data or an error response.

NOTE: The response to a delete command should not be used to determine whether data existed prior to sending the request. In most cases, when attempting to delete non-existing data, the response indicates success.

4.3 Aggregate OCI Commands

Each OCI transaction is an atomic business function that can be performed with no other transactions. In some cases, third-party applications can be set to perform multiple OCI transactions at a single time. For example, when displaying information about a user's profile and retrieving service data, it is possible to create an OCI request with multiple transactions in the body. Note that each transaction is still treated individually and is committed to the datastore individually. It is recommended to limit the number of actions to no more than 15 transactions (to use server resources efficiently).

4.4 Upload Files within Transactions

Various transactions require files to be uploaded to BroadWorks that are to be used by the system. This includes audio, video, and configuration files. OCI transactions support the ability to do this.

There are two methods that can be used to perform file uploads. The first method, binary upload, allows a binary stream to be placed within the OCI transaction itself. The second method, indirect upload, allows a system to place the file on the Application Server, through a different mechanism (for example, File Transfer Protocol [FTP]) and direct the OCI transaction to move the file to the correct location on the Application Server.

The following data types are used to upload files:

- File Resource – Allows uploading of files only.
- Labeled File Resource – Extends the file resource to also include a description of where the original file name is stored so that it can be displayed to users at a later time.
- Extended File Resource – Allows uploading of files and has the ability to specify a Uniform Resource Locator (URL) to use for a file instead of storing the file on BroadWorks.

4.4.1 Binary Upload Method

For the binary upload method, the file is converted to base64BINARY and is included in the OCI command. For more information on base64BINARY, go to <http://www.w3.org/TR/2004/PER-xmlschema-2-20040318/#base64Binary>.

4.4.2 Indirect Upload Method

For the indirect upload method, the external system is required to put the file in a specific location on the Application Server. This location is defined in the *appserver.properties* file with the name *customerSoundFileDir* and by default is in the */var/broadworks/userfiles/customFiles/* directory. Once uploaded, by placing the file name in the OCI command, the transaction moves the file to the appropriate location.

4.5 Validation

The OCI is fully validated at the backend. Only basic validation is performed in the XML schema itself, since BroadWorks is required to provide error messages in multiple languages, which is beyond the capability of the XML schema. All validation performed by the XML schema must be validated by the system sending the transactions, to avoid receiving cryptic XML parsing errors.

5 BroadWorks Hierarchy

5.1 Base Configuration

The BroadWorks Application Server has four main levels of control:

- System provider
- Service provider/enterprise
- Group
- User

All other elements are associated with these levels. *Figure 1 Basic Relationships* illustrates the basic relationships so that commands can be more easily used. It is recommended that before using this interface, a developer must have a good working knowledge of the Application Server.

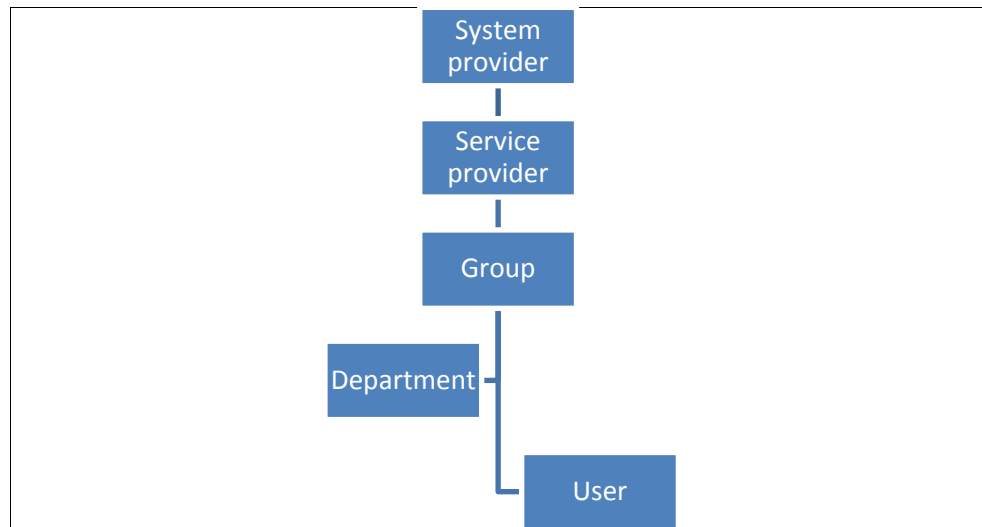


Figure 1 Basic Relationships

The system provider is the operator of the system. There is one logical system provider object on the Application Server. However, there can be multiple administrative accounts for the system provider.

If a system provider is supporting the concept of “resellers”, the system provider can create one or more service providers. A service provider can be assigned a finite set of phone numbers (DNs) and service instances by the system provider. The service provider can then create groups and users and distribute or resell DN and services. If the concept of reselling is not implemented, the operator of the Application Server can act as both the system provider and service provider. In this case, only a single service provider exists in the system. In addition, note that an enterprise is the same as a service provider. All commands used for service providers apply to enterprises. There are a few specific enterprise commands that are listed separately since they apply only to enterprises and not to service providers.

A group represents the concept of a company (business model) or a family (residential model). A group has a finite amount of resources (services, DN, and access devices) assigned to it. A group is assigned one or more administrators; these administrators can create, delete, and modify the members and resources assigned to the group.

An end user is a member of a group and can modify his or her service data.

Actions can be taken on each logical object via the Open Client Interface-Provisioning (OCI P). For example, the OCI can query a group for a list of the DNs assigned to the group, or it can query a service provider for a list of DNs assigned to the service provider.

The following are the main elements, not including the four described above, used by the Application Server:

- Administrator – Administrators are allowed to make changes to the above base elements. Administrators can be created as system administrators, service provider/enterprise administrators, and group administrators.
- Domain – Domains are resources in the BroadWorks system. They are allocated by the system provider to the service provider, who can give them to groups who can use them to create users. The domainName value must be unique regardless of case.
- Phone Number – Phone numbers, directory numbers (DNs), or telephone numbers (TNs) are resources in the BroadWorks system. They are allocated by the system provider to the service provider, who can give them to groups who can use them for users and services.
- Access Device – Access devices are used by users to make and receive calls, which can be Integrated Access Devices (IADs), Internet Protocol (IP) phones, soft clients, or others. They can be created at the service provider/enterprise level and shared by users across groups, or they can be created at the group level and only used by users in that group.

5.2 Department Configuration

For departments, a list is created for each group (enterprise) and is associated to users. It provides a way to group users inside a group (enterprise). Department commands are included in group and user commands.

The ability of a department administrator to perform actions is not controlled by the interface, but by the front end. A department administrator has all the capabilities of a group administrator in this interface. This allows different interfaces to expose more or less control for these types of administrators.

5.3 Service Configuration

Services are the building blocks used to provide service within BroadWorks. Services, in most cases, must be given to the groups and users to provide the functionality required. The following steps are required for this to occur:

- Authorizing the services to the service provider – Services must be authorized to the service provider or enterprise before being used by lower levels. This allows a system provider to restrict what services a service provider/enterprise sells or uses.
- Authorizing the services to the group – Only services that are authorized to the service provider can be authorized to the group. Services must be authorized to the group before being used by the group or users.
- Assigning services to the group (group services only) – Group services must be assigned to the group to enable the capability of those services. A service must be authorized to the group before being assigned.
- Assigning services to the user (user services only) – User services must be assigned to the user to enable the capability of those services. A service must be authorized to the group before being assigned.

In addition, the group has two additional capabilities involving the assignment of services:

- New User services – The New User services command allows a list of user services to be defined as the list of services that should be automatically assigned when a new user is created.
- Existing user services – The Existing User services command allows a list of user services to be assigned or unassigned to all users within the group. This command is only for small groups of users (less than 50). If many services must be assigned or unassigned to or from users, use the Service Pack Migration feature.

6 OCI Reporting

If configured, the Application Server relays all successful OCI modification requests to external systems, as shown in *Figure 2 OCI Reporting*. Each OCI modification request is relayed as an `OCIReportingReportNotification` over TCP/IP. The `OCIReportingReportNotification` contains the following:

- User ID and authorization level of the account enacting the OCI modification request
- XML string of the OCI modification request

In some cases, the XML string included in the `OCIReportingReportNotification` differs from that received over the OCI; some data can be omitted. In such an event, the `OCIReportingReportNotification` also contains indicators related to the omission. For more information, see section [6.4 Omissions](#).

The Application Server sends a separate `OCIReportingReportNotification` for each successful OCI modification request. This is the case even when the OCI modification requests from the provisioning client have been aggregated.

Within a redundant Application Server pair, each Application Server sends `OCIReportingReportNotifications` independently of each other. External systems must connect to both nodes in a redundant Application Server pair to receive all modifications made to the pair. The rest of this section focuses on the behavior within an Application Server node.

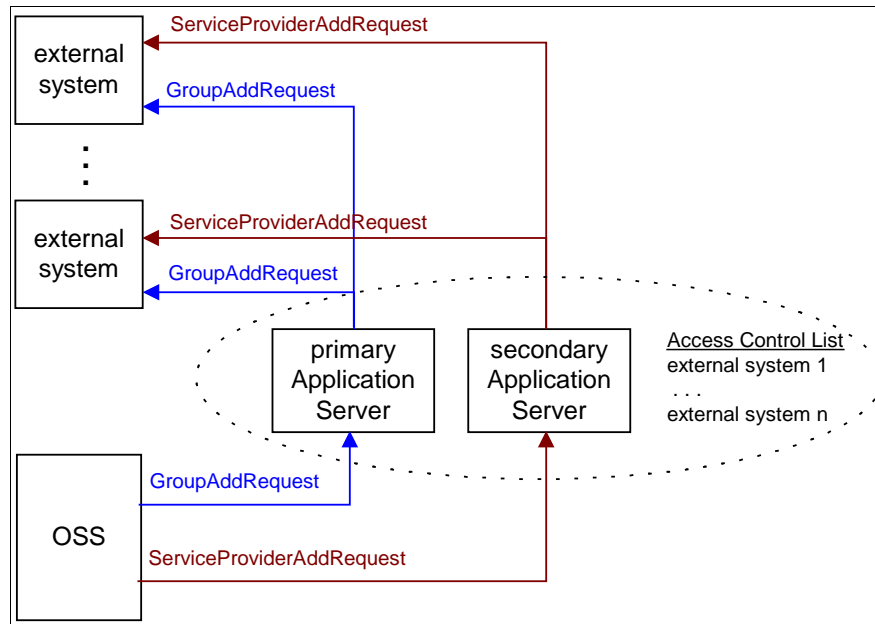


Figure 2 OCI Reporting

6.1 Access Control List

Only system administrators can configure reporting. The system administrator can do this using one of the following two methods:

- The system administrator can add the addresses (can be an IP address or a fully qualified host name) of all external systems to the access control list via the *AS_CLI/System/NetworkAccessLists/OCIReporting* context.
- The system administrator can configure access control lists by submitting OCI requests.

External systems whose addresses are in the access control list are permitted to connect to the Application Server. One connection is permitted per IP address. The Application Server sends *OCIReportingReportNotifications* to all connections.

6.2 Reporting Over TCP/IP

The system administrator can configure the following via the *AS_CLI/Interface/OCI/Reporting* context:

- The server port to which external systems connect. The default value is 8025.
- Whether to enable pinging to verify the continued availability of each connection. Pinging is enabled by default.
- The interval at which ping messages are sent. The default value is 30 minutes.
- Whether passwords sent in reports of OCI modification requests are modified to "XXXXX" for security. If true, the *OCIReportingReportNotification* contains the "isAltered" element. The default value is "true".

Modification of any of these attributes requires a restart of the Application Server.

When pinging is enabled, the Application Server periodically sends *OCIReportingServerStatusNotifications* to all connections. No response is expected. The external system must handle this message (receipt of the ping message at the configured interval indicates to the external system that the connection is up). The Application Server sends the *OCIReportingServerStatusNotification* to detect and clean up broken connections.

6.3 Filtering OCI Messages

The system administrator can restrict messages sent to each external system by setting *restrictMessages* to "true" for that external system. The system administrator can configure which messages the external system received by adding the full message names one by one in the *AS_CLI/System/NetworkAccessLists/OCIReporting/MessageTypes* context. If the external system is interested in a group of messages that begin with the same name (for instance all commands that begin with *Group*), the *messageStartsWith* parameter can be set to "Group", when adding a message type for the external system.

6.4 Omissions

Under most circumstances, the OCI modification request XML string in the OCIReportingReportNotification is identical to that received over the OCI. Differences center on elements of type "FileResource" as defined in the OCI schema. The FileResource is a choice of sourceFileName (specifying a previously uploaded file), or fileContent (binary content of the uploaded file). To mitigate the impact to capacity:

- The elements of type FileResource are omitted from the OCI modification request if those elements are used to upload media files (audio files and video files) or conferencing documents.
- The omission element (of type OCIReportingOmission) is included in the OCIReportingReportNotification to indicate that the uploaded file contents were omitted.
- This omission can invalidate the OCI modification request, for example, it fails validation against the OCI schema because the omitted element is mandatory. In such cases, the requestInvalidated element is included in the OCIReportingReportNotification to indicate this.

The FileResource element remains in the OCI modification request if the FileResource element is used to specify a previously uploaded file.

Given the above, external systems do not have access to the uploaded media file or conferencing document over the OCI Reporting Interface. However, they are informed that an upload occurred; they are also informed of the selection of a previously uploaded media file or conferencing document.

If an external system is archiving OCIReportingReportNotifications and re-submitting their contents over the OCI to re-provision an Application Server, it is possible for the re-submitted OCI requests that specify a previously uploaded file to fail, since the file contents of uploaded media files and conferencing documents were not included in OCIReportingReportNotifications.

For this release, the FileResource element is omitted from reports of the following OCI-based upload functions:

- Conferencing document upload
- Voice Portal branding file upload
- Personalized Name file upload
- Auto Attendant greeting file upload
- Music On Hold file upload
- Intercept Announcement file upload
- Voice Messaging greetings file upload
- Call Center Enhanced Reporting branding file upload
- Call Center Enhanced Reporting template/style template file upload

Reports for the following OCI-based file upload functions are not affected:

- Enhanced device configuration/Subnetwork Access Protocol (SNAP)
- Phone list import
- Call Processing Language (CPL) file upload

7 XML Schema

NOTE: The "XXX" in the zip file references refers to the release number on which you are deployed.

7.1 XML Schema Layout

The XML schema is available in the *baseociXXX.zip*, *asociXXX.zip* file, and *asocireportingXXX.zip* files. This section describes the structure of the XML schema.

7.1.1 Base XML Schema

The base XML schema is included in the *baseociXXX.zip* file. It contains only two files. It contains the base definitions for messages, success and error messages, tables, and other low-level attributes. No functional transactions are defined in these files.

7.1.2 Application Server XML Schema

The Application Server (AS) XML schema is included in the *asociXXX.zip* file. It contains all functional transactions for the system. The following files are available:

- *OCISchemaAS.xsd* – This file is the base file for the Application Server XML schema files. This file references all included files.
- *OCISchemaDataTypes.xsd* – This file contains the data types used in the XML schema that are used at multiple levels in the hierarchy, such as the definitions of an IP address or phone number.
- *OCISchemaLogin.xsd* – This file contains the transactions related to logging a user in to the system.
- *OCISchemaSystem.xsd* – This file contains the transactions that apply for the entire system, such as adding Media Servers or Network Servers, maintaining the language settings, and modifying system administrators.
- *OCISchemaServiceProvider.xsd* – This file contains the transactions that apply for the service provider, such as adding service providers, modifying service provider administrators, and authorizing services to service providers. Note that in the OCI, an enterprise and a service provider are the same. When adding a service provider, specify if it is an enterprise or a service provider.
- *OCISchemaEnterprise.xsd* – This file contains the transactions that only apply to enterprises and not to service providers. Most enterprise transactions are found in the *OCISchemaServiceProvider.xsd* file.
- *OCISchemaGroup.xsd* – This file contains the transactions that apply to groups, such as adding groups, modifying group administrators, and authorizing services to groups.
- *OCISchemaUser.xsd* – This file contains the transactions that apply to users, such as adding users and assigning services to users.
- *OCISchemaService*.xsd* – Each service that can be licensed has a file that contains all transactions that apply for that service. For example, the *OCISchemaServiceDoNotDisturb.xsd* file contains all Do Not Disturb transactions.

7.1.3 OCI Reporting XML Schema

The OCI Reporting XML schema contains all functional transactions for the system. The following files are available:

- *OCISchemaReporting.xsd* – This file is the base file for the Application Server XML Schema files. This file references all included files.
- *OCISchemaReportingBASE.xsd* – This file contains the base elements for OCI reporting.
- *OCISchemaReportingDataTypes.xsd* – This file contains the data types used in the XML Schema.
- *OCISchemaReportingReportNotification.xsd* – This file contains the notification XML Schema.
- *OCISchemaReportingServerStatusNotification.xsd* – This file contains the server status XML Schema.

7.2 Schema Zip Files

BroadSoft provides the AS OCI-P schema as part of a zip file that contains all schemas and MIBs per release on Xchange at xchange.broadsoft.com. Additionally there is an HTML version of the AS OCI-P schema available for download on Xchange.

For service patches that are built on top of a major release (for example, 19sp1), a new version of the schema zip file is uploaded to Xchange when each patch is made available.

8 Message Examples

This section provides examples of messages.

8.1 Group Add

8.1.1 Request

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sessionIdxmlns=" " >BB1A413DF12D404128F8956459FBD4D9</sessionId>
  <command xsi:type="GroupAddRequest" xmlns=" " >
    <serviceProviderId>spl</serviceProviderId>
    <groupId>group2</groupId>
    <defaultDomain>broadworks</defaultDomain>
    <userLimit>25</userLimit>
    <groupName>Group 2</groupName>
    <callingLineIdName>Group 2 Line ID</callingLineIdName>
    <timeZone>America/New_York</timeZone>
    <contact>
      <contactName>Joe Smith</contactName>
      <contactNumber>301-555-1212</contactNumber>
      <contactEmail>joe.smith@broadworks.net</contactEmail>
    </contact>
  </command>
</BroadsoftDocument>
```

8.1.2 Success Response

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sessionId xmlns=" " >BB1A413DF12D404128F8956459FBD4D9</sessionId>
  <command debugInfo="62:621" echo=" " xsi:type="c:SuccessResponse"
xmlns:c="C" xmlns=" " />
</BroadsoftDocument>
```

8.1.3 Error Response

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sessionId xmlns=" " >BB1A413DF12D404128F8956459FBD4D9</sessionId>
  <command type="Error" debugInfo="9:10" echo=" "
xsi:type="c:ErrorResponse" xmlns:c="C" xmlns=" " >
    <summary>[Error 4150] The Group already exists, please use a unique
Group ID.</summary>
    <summaryEnglish>[Error 4150] The Group already exists, please use a
unique Group ID.</summaryEnglish>
  </command>
</BroadsoftDocument>
```

8.2 Retrieve Groups in Service Provider

8.2.1 Request

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sessionId xmlns="">BB1A413DF12D404128F8956459FBD4D9</sessionId>
  <command xsi:type="GroupGetListInServiceProviderRequest" xmlns="">
    <serviceProviderId>spl</serviceProviderId>
    <responseSizeLimit>50</responseSizeLimit>
    <searchCriteriaGroupId>
      <mode>Starts With</mode>
      <value>Group</value>
      <isCaseInsensitive>true</isCaseInsensitive>
    </searchCriteriaGroupId>
  </command>
</BroadsoftDocument>
```

8.2.2 Response

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sessionId xmlns="">BB1A413DF12D404128F8956459FBD4D9</sessionId>
  <command debugInfo="3:130" echo=""
xsi:type="GroupGetListInServiceProviderResponse" xmlns="">
  <groupTable>
    <colHeading>Group Id</colHeading>
    <colHeading>Group Name</colHeading>
    <colHeading>User Limit</colHeading>
    <row>
      <col>group1</col>
      <col/>
      <col>25</col>
    </row>
    <row>
      <col>group2</col>
      <col>Group 2</col>
      <col>25</col>
    </row>
  </groupTable>
</command>
</BroadsoftDocument>
```

9 Open Client Interface-Provisioning Using SOAP

9.1 BroadWorks OCI-P SOAP Interface

The Open Client Interface-Provisioning (OCI-P) is also available via SOAP to the Web Server. The BroadWorks log-in sequence and the OCI-P message payloads are exactly the same as they are when not using SOAP.

Tomcat uses the Axis engine to wrap and unwrap the OCI message payload in the SOAP envelope, calling on the Provisioning Service servlet with the contents.

The Provisioning Service servlet, acting as an OCS client, matches HTTP requests and responses to a connection to the OCS, and passes OCI data back and forth on that connection. This servlet uses a configuration xml file called *public_html/webservice/WEB-INF/serviceconfig.xml*, which should look similar to the one shown in the following example. Note that if you need to make changes to this configuration, you must edit this file manually.

```
<BroadSoftWebServiceConfiguration>
  <OCSAddress>localhost</OCSAddress>
  <OCSPort>2208</OCSPort>
  <NumberOfProvisioningConnections>2</NumberOfProvisioningConnections>
  <NumberOfExecutionConnections>2</NumberOfExecutionConnections>
  <ProvisioningServiceLog>FALSE</ProvisioningServiceLog>
  <ExecutionServiceLog>FALSE</ExecutionServiceLog>
  <!-- LogLevel can have following values - Debug, Information,
Warning, Error, None -->
  <LogLevel>None</LogLevel>
  <RetryInitializationInterval>60</RetryInitializationInterval>
  <WaitTimeoutInterval>30</WaitTimeoutInterval>
</BroadSoftWebServiceConfiguration>
```

OCS passes messages on to the Provisioning Server. For information on configuring the OCS, see [Appendix A: Frequently Asked Questions](#).

The Web Service Definition Language (WSDL) is automatically generated by Axis and is shown in the following example. It shows how to construct messages and what to expect in return. Essentially each call contains one or more OCI request message as a single string argument, and returns the OCI response message(s) as a single string value.

You can retrieve the WSDL with the following URL, substituting an appropriate value for "yourWSServer".

`http://yourWSServer/webservice/services/ProvisioningService?wsdl`

Two method names in the WSDL, *processMessage* and *processOCIMessage*, are shown. Note that *processOCIMessage* is the preferred name to use. Currently the BroadSoft SOAP interface uses the document/literal encoding as specified in the WSDL.

```
<wsdl:definitions targetNamespace="urn:com:broadsoft:webservice">
  <wsdl:types>
    <schema elementFormDefault="qualified"
targetNamespace="urn:com:broadsoft:webservice">
      <element name="processMessage">
        <complexType>
          <sequence>
            <element name="request" type="xsd:string"/>
          </sequence>
        </complexType>
      </element>
```

```

<element name="processMessageResponse">
  <complexType>
    <sequence>
      <element name="processMessageReturn" type="xsd:string"/>
    </sequence>
  </complexType>
</element>
<element name="processOCIMessage">
  <complexType>
    <sequence>
      <element name="request" type="xsd:string"/>
    </sequence>
  </complexType>
</element>
<element name="processOCIMessageResponse">
  <complexType>
    <sequence>
      <element name="processOCIMessageReturn" type="xsd:string"/>
    </sequence>
  </complexType>
</element>
</schema>
</wsdl:types>

<wsdl:message name="processMessageResponse">
  <wsdl:part element="impl:processMessageResponse" name="parameters"/>
</wsdl:message>
<wsdl:message name="processMessageRequest">
  <wsdl:part element="impl:processMessage" name="parameters"/>
</wsdl:message>
<wsdl:message name="processOCIMessageRequest">
  <wsdl:part element="impl:processOCIMessage" name="parameters"/>
</wsdl:message>
<wsdl:message name="processOCIMessageResponse">
  <wsdl:part element="impl:processOCIMessageResponse"
name="parameters"/>
</wsdl:message>

<wsdl:portType name="BWProvisioningService">
  <wsdl:operation name="processMessage">
    <wsdl:input message="impl:processMessageRequest"
name="processMessageRequest"/>
    <wsdl:output message="impl:processMessageResponse"
name="processMessageResponse"/>
  </wsdl:operation>
  <wsdl:operation name="processOCIMessage">
    <wsdl:input message="impl:processOCIMessageRequest"
name="processOCIMessageRequest"/>
    <wsdl:output message="impl:processOCIMessageResponse"
name="processOCIMessageResponse"/>
  </wsdl:operation>
</wsdl:portType>

<wsdl:binding name="ProvisioningServiceSoapBinding"
type="impl:BWProvisioningService">
  <wsdlsoap:binding style="document"
transport="http://schemas.xmlsoap.org/soap/http"/>
  <wsdl:operation name="processMessage">
    <wsdlsoap:operation soapAction="" />
    <wsdl:input name="processMessageRequest">
      <wsdlsoap:body use="literal"/>
    </wsdl:input>
  </wsdl:operation>

```

```

        <wsdl:output name="processMessageResponse">
            <wsdlsoap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
    <wsdl:operation name="processOCIMessage">
        <wsdlsoap:operation soapAction="" />
        <wsdl:input name="processOCIMessageRequest">
            <wsdlsoap:body use="literal"/>
        </wsdl:input>
        <wsdl:output name="processOCIMessageResponse">
            <wsdlsoap:body use="literal"/>
        </wsdl:output>
    </wsdl:operation>
</wsdl:binding>

    <wsdl:service name="BWProvisioningServiceService">
        <wsdl:port binding="impl:ProvisioningServiceSoapBinding"
name="ProvisioningService">
            <wsdlsoap:address
location="http://localhost/webservice/services/ProvisioningService"/>
        </wsdl:port>
    </wsdl:service>
</wsdl:definitions>

```

9.2 SOAP Sessions

All OCI-P messages contain a session ID used to uniquely identify a session. In addition, when using OCI-P over SOAP, there is another kind of session identifier called the JSESSIONID. The JSESSIONID is a cookie.

OCI-P session IDs are created by the client application. JSESSIONIDs are created by the BroadWorks Web Server.

The first request sent to BroadWorks contains the AuthenticationRequest. The JSESSIONID cookie should not be specified in the AuthenticationRequest. BroadWorks responds with an AuthenticationResponse. The HTTP response from BroadWorks contains the JSESSIONID cookie. This cookie must be remembered and returned to BroadWorks in all subsequent requests for this session.

Each OCI-P session ID is associated with a unique JSESSIONID. Do not attempt to send commands for multiple OCI-P sessions over a single JSESSION. Similarly, do not attempt to spread the commands for a single OCI-P session across multiple JSESSIONS.

9.3 Trace Example

The following example shows a trace containing a SOAP request and response, including HTTP headers and the body. Each BroadSoft OCI message embedded in the SOAP envelope is shown in bold. Additional formatting changes have been made for indentation, in which case, the Content-Length header value is probably no longer correct.

The following example shows the UserGetRequest (readable version) that has been sent:

```

<?xml version="1.0" encoding="ISO-8859-1"?>
    <BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
        <sessionId
xmlns="">192.168.40.90,4890830,1178037541796</sessionId>
        <command xsi:type="UserGetRequest18" xmlns="">
            <userId>sp1gluser1</userId>

```

```
</command>  
</BroadsoftDocument>
```

Here is the full output of the request:

```
POST /webservice/services/ProvisioningService HTTP/1.0  
Content-Type: text/xml; charset=utf-8  
Accept: application/soap+xml, application/dime, multipart/related, text/*  
User-Agent: Axis/1.3  
Host: 127.0.0.1:80  
Cache-Control: no-cache  
Pragma: no-cache  
SOAPAction: ""  
Content-Length: 931  
Cookie: JSESSIONID=B348060A6B30CD5BCE9F05B7A68C18F7  
  
<?xml version="1.0" encoding="UTF-8"?>  
<soapenv:Envelope  
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
  <soapenv:Body>  
    <processOCIMessage  
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">  
      <arg0 xsi:type="soapenc:string"  
        xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">  
        &lt;?xml version="1.0" encoding="ISO-8859-1" ?>  
        &lt;BroadsoftDocument protocol="OCI" xmlns="C" ?>  
        xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" ?>  
          &lt;sessionId  
            xmlns="http://www.w3.org/2001/XMLSchema-instance" ?>  
            &lt;?xml version="1.0" encoding="ISO-8859-1" ?>  
            &lt;/sessionId&  
            t;  
          &lt;command xsi:type="UserGetRequest18" ?>  
            xmlns="http://www.w3.org/2001/XMLSchema-instance" ?>  
            &lt;userId&lt;splgluser1&lt;/userId&lt;  
            &lt;/command&lt;  
          &lt;/BroadsoftDocument&lt;  
        </arg0>  
      </processOCIMessage>  
    </soapenv:Body>  
  </soapenv:Envelope>
```

The Provisioning Server responds as follows:

```
HTTP/1.1 200 OK  
Date: Tue, 01 May 2007 16:40:24 GMT  
Server: Apache/2.0.55 (Win32) DAV/2 mod_ssl/2.0.55 OpenSSL/0.9.8a  
mod_jk/1.2.15  
Connection: close  
Content-Type: text/xml; charset=utf-8  
  
<?xml version="1.0" encoding="utf-8"?>  
<soapenv:Envelope  
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"  
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"  
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  
  <soapenv:Body>  
    <processOCIMessageResponse xmlns="">  
      <ns1:processOCIMessageReturn  
        xmlns:ns1="urn:com:broadsoft:webservice">  
        &lt;?xml version="1.0" encoding="ISO-8859-1" ?>  
        &lt;/?>
```

```
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance"><sessionId
xmlns="10.2.199.11,3849351,1351619186392" /sessionId>
<command echo="" xsi:type="UserGetResponse18"
xmlns=""><serviceProviderId>spl</serviceProviderId>
<groupId>splgl</groupId><lastName>splgluser1</las
tName><firstName>splgluser1</firstName><callingLineIdLa
stName>splgluser1</callingLineIdLastName><callingLineIdFirstN
ame>splgluser1</callingLineIdFirstName><hiraganaLastName>s
plgluser1</hiraganaLastName><hiraganaFirstName>splgluser1</
hiraganaFirstName><language>English</language><timeZon
e>America/New_York</timeZone><timeZoneDisplayName>(GMT-
04:00) (US) Eastern
Time</timeZoneDisplayName><defaultAlias>splgluser1@broadworks
</defaultAlias><countryCode>1</countryCode></command
></BroadsoftDocument>
</nsl:processOCIMessageReturn>
</processOCIMessageResponse>
</soapenv:Body>
</soapenv:Envelope>
```

The readable version of the actual OCI UserGetResponse18 response is:

```
<?xml version="1.0"?>
<BroadsoftDocument protocol="OCI" xmlns="C"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sessionId
xmlns="">192.168.40.90,4890830,1178037541796</sessionId>
  <command debugInfo="16:468" echo="" xmlns=""
xsi:type="UserGetResponse18">
    <serviceProviderId>spl</serviceProviderId>
    <groupId>splgl</groupId><lastName>splgluser1</lastName>
    <firstName>splgluser1</firstName>
    <callingLineIdLastName>splgluser1</callingLineIdLastName>
    <callingLineIdFirstName>splgluser1</callingLineIdFirstName>
    <hiraganaLastName>splgluser1</hiraganaLastName>
    <hiraganaFirstName>splgluser1</hiraganaFirstName>
    <language>English</language>
    <timeZone>America/New_York</timeZone>
    <timeZoneDisplayName>(GMT-04:00) (US) Eastern
Time</timeZoneDisplayName>
    <defaultAlias>splgluser1@broadworks</defaultAlias>
  </command>
</BroadsoftDocument>
```

9.4 Secure SOAP

OCI-P/SOAP requests can be submitted over a secure HTTP connection by changing the server's URL scheme to HTTPS instead of HTTP. This means that the BroadWorks Web Server's certificate must be captured and then imported with Sun's keytool utility (provided with Java). A method to do this is as follows.

- 1) Obtain a copy of the certificate in X.509 format using Microsoft's Internet Explorer Version 6, by accessing the HTTPS URL. A dialog requesting permission to accept the certificate appears. Click the *View Certificate* button, then the *Details* tab. Click *Copy to File*, then *Next* and select the Base-64 encoded X.509 (.CER) option. Click *Next* to save the file.

- 2) Import the `.cer` file using the `keytool` utility, which can be found in the `bin` directory for a Java installation. Using this tool, the `.cer` file is imported into a `cacerts` file, which is located in the `lib/security` directory of a Java installation. The simplest method is to copy the `.cer` file obtained using Internet Explorer to your Java home `dir/lib/security` directory.

```
$ ../bin/keytool.exe -import -storepass changeit -file mycert.cer -keystore cacerts -alias mycert
```

- 3) The only changes required are the name of the certificate (in this case `mycert.cer`) and the alias (`mycert`). Do this in the same VM as you run your client.

For more information on SSL, see the *BroadWorks SSL Support Options Guide*.

9.5 Troubleshooting SOAP

To troubleshoot a problem, a good starting point is to see if the OCI-P sample SOAP client can successfully log in and exchange messages. Many problems can be identified by following this checklist:

- Verify the URL used to log in.
- Verify that the correct username and password have been supplied.
- Verify that the web service is available. Can you access the Apache Axis page (<http://localhost/webservice>) and click *view* to see the list of deployed services?
- Verify that the web service is connected to the OCS. Is the test client able to successfully send and receive messages?
- Verify the log-in sequence (authentication and login) was successful before sending other messages.
- Verify that all requests (after the first request) contain the `JSESSIONID` cookie returned in the first response.
- If you are using HTTPS, verify that the correct certificate is installed locally. For more information, see section [9.4 Secure SOAP](#).

9.5.1 Common Problems

The following list describes some common problems:

- Problem: `org.xml.sax.SAXException: Bad envelope tag: html Fault String: org.xml.sax.SAXException:`
-or-
Problem: The AXIS engine could not find a target service to invoke!
 - Check the URL. The following shows an example of an incorrect and correct URL:
 - incorrect: `http://localhost/webservices/service/ProvisioningServer`
 - correct: `http://localhost/webservice/services/ProvisioningService`
- Problem: `NO_OCS_CONNECTION` - The connection from the web service to OCS has been lost, or does not exist.
 - Verify that `public_html/webservice/WEB-INF/serviceconfig.xml` has been initialized correctly, (as described in section [9.1 BroadWorks OCI-P SOAP Interface](#)), on the web server you are accessing.
 - Use the CLI to verify that the OCS is configured correctly (as described in section [12.3.1 OCS Configuration](#)), and is running.

- Verify that all requests (after the first request) contain the JSESSIONID cookie returned in the first response.
- Problem: ACCESS_DENIED - Access was denied because the user is invalid; the service detected an InvalidUserException.
 - Verify that you are using the correct user ID.
- Problem: LOGIN_FAILED - An error occurred while the service was logging in to the Provisioning Server. This is a catchall for non-specific errors.
 - Please try again.
- Problem: REQUEST_TIMEOUT – The OCS, or the Provisioning Server through the OCS, did not respond in a timely manner; the service may have received a RequestTimeoutException.
 - Verify that the Provisioning Server is running.
 - Verify that the OCS is communicating with the Provisioning Server.
- Problem: INVALID_MESSAGE - The SOAP message received from the client could not be parsed.
 - Correct the message format.
- Problem: INVALID_REQUEST - Cannot process any request before user is logged in. Either the Authentication Request or Login Request was invalid.
 - Correct the log-in sequence before sending other messages.
 - Verify that each session uses a unique session ID/jsession ID pair.
- Problem: javax.net.ssl.SSLHandshakeException
 - This is probably a problem with the certificate. For information on installing a certificate, see section [9.4 Secure SOAP](#) and the *BroadWorks SSL Support Options Guide*.

For more information, see [Appendix A: Frequently Asked Questions](#).

10 Backward Compatibility

The Open Client Interface-Provisioning (OCI-P) is backward compatible for up to two releases. This allows you to run the OCI-P commands from Release n on Releases $n+1$ and $n+2$. Release $n+3$ no longer supports commands from Release n . This also allows customers and partners to upgrade their systems without requiring a code change in almost all situations. However, there are important items to note:

- Elements that are required in a new version of software have values populated by the older transaction in the way that makes the most sense. This does not always mean that the application functions as desired by all customers and partners.
- Commands are backward compatible. However, they are not identical. Changes considered not to impact backward compatibility can be performed without deprecating the command. Some examples of this (although not exhaustive) are:
 - Adding an optional element to a request
 - Making an element “nillable” in a request
 - Making an element an array in a request, where `minOccurs > 1`
 - Adding a *OCITable* column
 - Changing a required element to be optional in a request
- Error message changes are not considered to impact backwards compatibility. Software should be designed to accept the error message and perform the appropriate action. New errors can be added, existing errors may have the text modified, and existing errors may be deleted.

There are also a few exceptions in which the schema would not be made backward compatible. They are:

- When a new release adds a new value to an enumerated type, the new value may appear unexpectedly in a non-deprecated response. The validation should be relaxed to allow additional values.
- When there is a more restrictive validation, the schema is not necessarily made backward compatible. In the rare case that data such as string size or integer range need to be restricted more than in previous releases, the interface is not backward compatible.

10.1 Deprecated Commands

After an upgrade to a backward-compatible release, systems that use OCI-P are required to update their commands to use the most recent version. To perform this work, a list of deprecated transactions needs to be reviewed. Each release of the OCI-P schema contains a deprecated file list. These are the commands that have been updated but are still supported in the release to which the schema corresponds. Therefore, to determine the list of commands that have been deprecated, these files should be obtained for each release since the system was developed.

For example, Company ABC developed a system using OCI-P in Release 13.0 and is upgrading to Release 15.0. Once the upgrade is complete, they want to update the system so that they can upgrade to Release 17.0 next year. The developer retrieves the schema for Release 15.0 and looks at the deprecated commands files (one for Release 13.0 and one for Release 14.0). The developer then compares this list to the list of commands they are using. If a command being used is on the list, the developer upgrades the command to the most recent one.

10.2 OCI Command Naming

When a new version of an OCI-P command deprecates the current version, the naming convention for the new command is such that it is appended with the release number from which the new command was introduced. For example, if the existing command is `UserDeleteRequest` and this command is deprecated in Release 18, the new version of the command will be named `UserDeleteRequest18`. In service patches, the naming convention is similar except the appended number will have `sp1`. In the previous example, the new command name will be `UserDeleteRequest18sp1`. If the same command needs to be deprecated by multiple service patches, the next versions of the command will contain `V2`, `V3`, etc.

Release Type	New Command Name
Major Release (for example, 18)	<code>UserDeleteRequest18</code>
Service Patch (first deprecation)	<code>UserDeleteRequest18sp1</code>
Subsequent Service Patches	<code>UserDeleteRequest18sp1V2</code>

Note that in some circumstances when the development of the feature was not planned to be in a feature patch but ultimately ends up being patched, the OCI-P command will be named as was implemented in the major release.

10.3 OCI Commands Removed in Release 19.0

There are no OCI-P commands removed in Release 19.0.

Developers should update their applications to stop using deprecated commands and they should use the newer replacement commands instead. The deprecated commands are captured in the following OCI-P schema files:

- *OCISchemaDeprecated14.xsd*
- *OCISchemaDeprecated15.xsd*
- *OCISchemaDeprecated16.xsd*
- *OCISchemaDeprecated17.xsd*
- *OCISchemaDeprecated18.xsd*

10.4 OCI Commands Removed in Release 18.0

There are no OCI-P commands removed in Release 18.0.

Developers should update their applications to stop using deprecated commands and they should use the newer replacement commands instead. The deprecated commands are captured in the following OCI-P schema files:

- *OCISchemaDeprecated14.xsd*
- *OCISchemaDeprecated15.xsd*
- *OCISchemaDeprecated16.xsd*
- *OCISchemaDeprecated17.xsd*

10.5 OCI Commands Removed in Release 17.0

There are no OCI-P commands removed in Release 17.0.

10.6 OCI Commands Removed in Release 16.0

The following is a list of the deprecated OCI commands that were removed in Release 16.0:

- GroupAccessDeviceAddRequest
- GroupAccessDeviceGetAvailableDetailListRequest
- GroupAccessDeviceGetEnhancedConfigurationTypeRequest
- GroupAccessDeviceGetRequest
- GroupAccessDeviceGetRequest13mp2
- GroupAccessDeviceModifyRequest
- ServiceProviderAddRequest
- GroupAssignUserServiceListRequest
- GroupAutoAttendantAddInstanceRequest
- GroupAutoAttendantGetInstanceRequest
- GroupUnassignUserServiceListRequest
- GroupCallCenterAddInstanceRequest
- GroupCallCenterAddInstanceRequest13mp13
- GroupCallCenterGetInstanceRequest
- GroupCallCenterGetInstanceRequest13mp13
- GroupCallProcessingGetPolicyRequest
- GroupCallProcessingModifyPolicyRequest
- GroupDigitCollectionGetRequest
- GroupHuntGroupAddInstanceRequest
- GroupHuntGroupAddInstanceRequest13mp13
- GroupHuntGroupGetInstanceRequest
- GroupHuntGroupGetInstanceRequest13mp13
- GroupInstantConferencingAddInstanceRequest
- GroupInstantConferencingGetInstanceRequest
- GroupInstantGroupCallAddInstanceRequest
- GroupInstantGroupCallGetInstanceRequest
- GroupMusicOnHoldAddInstanceRequest
- GroupMusicOnHoldGetInstanceRequest
- GroupMusicOnHoldModifyInstanceRequest
- GroupServiceScriptsClearLogRequest
- GroupServiceScriptsGetLogRequest
- GroupServiceScriptsGetRequest
- GroupServiceScriptsModifyRequest
- GroupTrunkGroupAddInstanceRequest

- GroupTrunkGroupGetInstanceListRequest
- GroupTrunkGroupGetInstanceRequest
- GroupTrunkGroupModifyInstanceRequest
- GroupVoiceMessagingGroupGetVoicePortalRequest
- ServiceProviderAccessDeviceAddRequest
- LoginRequest
- ServiceProviderAccessDeviceGetRequest
- ServiceProviderAccessDeviceGetRequest13mp2
- SystemIntelligentNetworkServiceControlGetRequest
- ServiceProviderAccessDeviceModifyRequest
- ServiceProviderAdminAddRequest
- ServiceProviderAdminGetPolicyRequest
- ServiceProviderPasswordRulesGetRequest
- ServiceProviderAdminGetListRequest
- ServiceProviderAdminGetRequest
- ServiceProviderAdminModifyPolicyRequest
- ServiceProviderCallProcessingGetPolicyRequest
- ServiceProviderCallProcessingGetPolicyRequest13mp10
- ServiceProviderCallProcessingModifyPolicyRequest
- ServiceProviderDigitCollectionGetRequest
- ServiceProviderGetRequest
- ServiceProviderThreeWayCallGetRequest
- ServiceProviderThreeWayCallModifyRequest
- SystemAccessDeviceGetIPPhoneTypeDetailListRequest
- SystemAccessDeviceGetListRequest
- SystemAccessDeviceTypeGetInfoListRequest
- SystemAccessDeviceTypeGetInfoRequest
- SystemCallProcessingGetPolicyRequest
- SystemCallProcessingGetPolicyRequest13mp10
- SystemCallProcessingModifyPolicyRequest
- SystemCallingNameRetrievalGetRequest
- SystemCAPAddACLEntryRequest
- SystemCAPGetACLListRequest
- SystemCAPModifyACLEntryRequest
- SystemDigitCollectionGetRequest
- SystemDomainModifyDefaultRequest

- SystemExternalEmergencyRoutingParametersGetRequest
- SystemExternalEmergencyRoutingParametersModifyRequest
- SystemInstantConferencingAddDeviceRequest
- SystemInstantConferencingGetDeviceListRequest
- SystemInstantConferencingGetDeviceRequest
- SystemInstantConferencingModifyDeviceRequest
- SystemLongCallAccountingGetRequest
- SystemLongCallAccountingModifyRequest
- SystemMediaServerAddRequest
- SystemNetworkServerAddRequest
- SystemNetworkServerDeleteRequest
- SystemNetworkServerGetListRequest
- SystemNetworkServerModifyRequest
- SystemOverloadControlsGetRequest
- SystemOverloadControlsModifyRequest
- SystemOCIReportingAddACLEntryRequest
- SystemPasswordRulesGetRequest
- SystemPolicyGetDefaultRequest
- SystemPolicyModifyDefaultRequest
- SystemRoutingAddRouteDeviceRequest
- SystemSIPAddACLEntryRequest
- SystemThreeWayCallGetRequest
- SystemThreeWayCallModifyRequest
- SystemVoiceMessagingGroupGetPasscodeRulesRequest
- SystemVoiceMessagingGroupGetRequest
- SystemVoiceMessagingGroupGetVoicePortalMenusRequest
- UserAddRequest
- UserCallForwardingNoAnswerGetRequest
- UserGetRequest
- UserCallProcessingGetPolicyRequest
- UserCallProcessingModifyPolicyRequest
- UserCommPilotExpressSRGetRequest
- UserHotelingGuestGetRequest
- UserHotelingHostGetRequest
- UserInstantConferencingGetStandAloneConferenceDocumentListRequest
- UserInstantConferencingModifyConferenceRequest

- UserModifyRequest
- UserSequentialRingGetRequest
- UserServiceScriptsClearLogRequest
- UserServiceScriptsGetRequest
- UserServiceScriptsModifyRequest
- UserServiceScriptsGetLogRequest
- UserSharedCallAppearanceAddEndpointRequest
- UserSharedCallAppearanceDeleteEndpointListRequest
- UserSharedCallAppearanceGetRequest
- UserThirdPartyVoiceMailSupportGetRequest
- UserThirdPartyVoiceMailSupportGetRequest13mp8
- UserTwoStageDialingGetRequest
- UserVoiceMessagingUserGetGreetingRequest
- UserVideoAddOnGetRequest
- UserVideoAddOnModifyRequest
- UserVoiceMessagingUserGetVoiceManagementRequest

10.7 OCI Reporting Implications

OCI Reporting reports on the OCI transaction that is called. When functionality is included in maintenance patches that have an OCI transaction impact, the associated web and CLI commands call the new OCI transactions. This causes Reporting to start reporting on the new commands. In the future, there will be a method to prevent new functionality from showing in these interfaces.

11 Log-in Process

All connections require an authenticated session to execute commands. This is performed by logging in to the system with a valid login ID. The login ID can be for any administrator or user. The login process requires a Message Digest 5 (MD5) encrypted password. The following messages are used for the login process:

- Authentication Request – Sent to the server to request a nonce value for a login ID.
- Authentication Response – Sent in response to the above message. This message contains the nonce value required to perform the MD5 encryption of the password.
- Login Request – Sent to the server to log in a user. This message contains the encrypted password using the nonce from the previous message. For more information on how passwords are created using MD5 encryption, see section [11.1 MD5 Encrypted Password Calculation](#).
- Login Response – Sent in response to the above message. This message confirms that the user was logged in or gives an error message when the login was not successful (for example, the password was incorrect). If the login was unsuccessful, the entire process must be repeated.

11.1 MD5 Encrypted Password Calculation

The MD5 encrypted password calculation is as follows:

- 1) The message digest of the user's plain password is calculated using the Secure Hash Algorithm (SHA) algorithm.
- 2) For every four bits in the 160-bit digest, starting from the first bit, it is converted into a character in ASCII Hex format (0 through 9, a through f). The result is a 40-character string S1, for example, f7a9e24777ec23212c54d7a350bc5bea5477fdbb.
- 3) The string S1 is then used to construct a new string S2, whereby $S2 = \text{nonce} + \text{"."} + S1$, where nonce is the value in the authentication response message from BroadWorks.
- 4) Next, the message digest of S2 is calculated using the MD5 algorithm.
- 5) For every four bits in the 128-bit message digest of S2 from step 4, starting from the first bit, it is converted into a character in ASCII Hex format (0 through 9, a through f). The result is a 32-character string, for example, dc70779bf8461b5a1e6aea58f636d5c0.
- 6) This string is used as the password in the command.

12 Appendix A: Frequently Asked Questions

This section provides answers to frequently asked questions (FAQs).

12.1 What do acronyms mean?

The following list describes acronyms used in this document.

Open Client Interface (OCI)	This is the term used to refer to the open interfaces (provisioning and execution) of an Application Server. In certain cases, OCI can also refer to all interfaces, OCI-P, OCI-C, CAP, or OSS interface.
Open Client Server (OCS)	This is a process that resides on a Web Server Farm (WSF) or Element Management System (EMS), which proxies OCI messages from clients to their appropriate Application Server.
Operation Support System (OSS)	This is the obsolete provisioning interface of an Application Server, which was part of the OCI.
Client Application Protocol (CAP)	This is the execution interface of an Application Server. It is the call processing portion of the OCI and is also referred to as OCI-C.
Open Client Interface-Provisioning (OCI-P)	This is the new provisioning interface for an Application Server. It is the provisioning part of the OCI. It is sometimes referred to simply as the OCI.
BroadWorks Common Communication Transport (BCCT)	This is the TCP/IP framework for BroadWorks, which all servers use to manage TCP/IP communication.
Apache Extensible Interaction System (AXIS)	A framework for constructing SOAP processors, running on a Web Server.
Simple Object Access Protocol (SOAP)	A method for a program running with one type of operating system to communicate with a program running in the same or another type of operating system by using the World Wide Web's Hypertext Transfer Protocol (HTTP) and its Extensible Markup Language (XML) as the mechanism for information exchange.
Web Services Description Language (WSDL)	An XML format for describing network services as a set of endpoints operating on messages containing either document-oriented or procedure-oriented information.

12.2 What are the recommendations?

It is recommended to do the following:

- Use the OCS as the interface to BroadWorks. Do not go directly to the Application Server. You should use the OCS on the Web Server Farm or EMS. The OCS on the Application Server should only be used in a lab environment. It is not supported for a performance or production environment.
- Configure the OCS before using it. For information on how to do this, see section [12.3 How is the OCS configured?](#)
- You connect to the OCS via a TCP/IP connection.
- Use the client provided to test the setup of your server. For client use, see section [12.3 How is the OCS configured?](#)
- Do not log in via the OCS as a system administrator since this is not supported.

12.3 How is the OCS configured?

The OCS must be configured to support OCI-P. The following steps describe how to configure the server for this use.

12.3.1 OCS Configuration Steps

- 1) Verify the *nsSeedClusterAddress* parameter is set.

```
XSP_CLI /System/CommunicationUtility/DefaultSettings> get
NS:
nsSeedClusterAddress=ns.com
asOCIPort=2220
asOCISecurePort=2320
asOCICPort=2221
asOCICSecurePort=2321
provisionOnSecondary=false
reconnectionTimerSecs=30
responseTimeoutSecs=10
globalTransactionLimit=25000
userTransactionLimit=10000
transactionLimitPeriodSecs=1
useSecureBCCT=false
```

The NS seed cluster address is used to communicate with the NS to get the list of Application Servers being served.

- 2) Configure the system domain in the OCS General Settings:

```
XSP_CLI/Applications/OpenClientServer/GeneralSettings> get
clientPort = 2208
clientPortEnabled = true
secureClientPort = 2209
secureClientPortEnabled = true
systemDomain = as.eng.broadsoft.com
```

The *systemDomain* is used to complete incomplete user IDs before performing user location or authentication for a given request. This needs to be configured.

- 3) Turn the OCI proxy on. The configuration should look similar to the following:

```
XSP_CLI/Applications/OpenClientServer/OCIProxy> get
enabled = true
enableLoginLevelScreening = false
enableResponseCaching = false
responseCacheDurationHours = 24
responseCacheRenewPeriodMins = 30
messageQueueCapacity = 50
messageQueueTimeoutSeconds = 1800
```

The applicable attribute and its meanings are as follows:

- *enabled* – Enables the OSS/OCI-P proxy capability. This must be turned on.

12.3.2 Application Server Configuration Steps

- 1) BCCT, which is used by the OCS, is already configured by default. These settings can be viewed in the following contexts:

```
AS_CLI/Interface/CommonCommunicationTransport> get
XSUnlimitedConnections = true
PSUnlimitedConnections = true
XSListeningPort = 2221
PSListeningPort = 2220

AS_CLI/Interface/CommonCommunicationTransport/OCI/Provisioning> get
unlimitedConnections = true
restrictInterfaces = false
```

- 2) Usually, the only item required for configuration on the Application Server is to allow the OCS in the access control list. To add to the access control list, you use the add command as follows:

```
AS_CLI/System/NetworkAccessLists/OCIProvisioning> help add
This command is used to add a new OCI Access Control in the system.
=====
add
  <hostAddress>, IP address | host | domain (1 to 80 chars)
  [<description>, String {0 to 80 characters}]
```

12.4 Is there an OCI-P Demo Client?

BroadSoft provides a demonstration (demo) client that can be used to test messages and connectivity. The executable and source code are available in the *Rel_19.0_asoclient.zip* file, available from BroadSoft's Xchange at xchange.broadsoft.com.

A *Read Me* file that describes how to use the client is provided. The following list provides some additional recommendations:

- Set the *connectionMode* to "OCS" since BCCT is not used.
- Do not change the *loginMode*. (Note the *unsecure* mode is not a third-party mode.)
- Ensure there is a line feed at the end of each XML command.

12.5 Is there an OCI-P SOAP Demo Client?

BroadSoft provides a demo client that can be used to test messages and connectivity. The SOAP client is called *Rel_16.0_asocisoapclient.zip* and it is available from BroadSoft's Xchange at xchange.broadsoft.com.

A *Read Me* file that describes how to use the client is provided.

12.6 What is the session ID and who creates it?

The client creates the session ID. It must be unique to each session and each message in the session must carry the same session ID.

12.7 What is the JSESSION ID and who creates it?

The JSESSIONID is a cookie used to identify the session when using OCI over SOAP. The BroadWorks Web Server creates the JSESSIONID cookie. It must be unique to each session, and each message (after the first message) in the session must carry the same JSESSIONID cookie.

12.8 Can I send more than one OCI message in a single SOAP message?

Yes.

12.9 What character encodings can I use for special characters?

The following XML predefined entities can be included in an OCI transaction by encoding them as shown in the following list:

- 1) < the less-than sign, opening angle bracket – <
- 2) > the greater-than sign, closing angle bracket – >
- 3) & ampersand – &
- 4) ‘ apostrophe, straight single quote - '
- 5) “ straight double quotation marks - "

12.10 I do not see any SOAP headers used by the test client. Are they used?

The BroadSoft OCI-P SOAP interface does not use any SOAP headers.

12.11 How can I use TCPMON to see messages sent and received?

The “tcpmon” utility can be found in the org.apache.axis.utils package. To run it from the command line, enter:

```
% java org.apache.axis.utils.tcpmon [listenPort targetHost targetPort]
```

To use the program, you select a local port that tcpmon monitors for incoming connections, a target host where it forwards such connections, and the port number on the target machine to which it should be “tunneled”. Without any arguments, you get a GUI and can enter these values. For more information, see the *Axis User’s Guide*.

13 Appendix B: Authorization Levels

The following is a list of OCI transactions that shows the authorization level required to execute each transaction.

Transaction	Authorization Level
EnterpriseBroadWorksMobileManagerActivationTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerAddHomeZoneTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerAddTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerDeleteHomeZoneListTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerDeleteHomeZoneTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerDeleteTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerGetDomainListTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerGetHomeZoneListTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerGetHomeZoneTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerGetTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerModifyHomeZoneTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerModifyTransaction	SYSTEM_LEVEL
EnterpriseBroadWorksMobileManagerSendCarrierFilesTransaction	SYSTEM_LEVEL
EnterpriseCommonPhoneListAddListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCommonPhoneListDeleteListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCommonPhoneListGetListTransaction	USER_LEVEL
EnterpriseCommonPhoneListModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseDepartmentAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseDepartmentDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseDepartmentGetAvailableParentListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseDepartmentGetListTransaction	USER_LEVEL
EnterpriseDepartmentModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterprisePhoneDirectoryGetListTransaction	USER_LEVEL
EnterprisePhoneDirectoryGetListTransaction17	USER_LEVEL
EnterprisePhoneDirectoryGetListTransaction17sp3	USER_LEVEL
EnterprisePhoneDirectoryGetListTransaction18	USER_LEVEL
EnterpriseSessionAdmissionControlGetAvailableDeviceListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseSessionAdmissionControlGroupAddDeviceListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseSessionAdmissionControlGroupAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseSessionAdmissionControlGroupDeleteDeviceListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseSessionAdmissionControlGroupDeleteListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseSessionAdmissionControlGroupGetListTransaction	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
EnterpriseSessionAdmissionControlGroupGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseSessionAdmissionControlGroupModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNAddPolicyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNDeletePolicyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNGetDefaultTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNGetPolicyListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNGetPolicyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNGetTransaction14sp3	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNModifyPolicyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseVoiceVPNModifyTransaction	SERVICE_PROVIDER_LEVEL
GroupAccessDeviceAddTransaction14	GROUP_LEVEL
GroupAccessDeviceAvailablePortGetListTransaction	GROUP_LEVEL
GroupAccessDeviceCustomTagAddTransaction	GROUP_LEVEL
GroupAccessDeviceCustomTagDeleteListTransaction	GROUP_LEVEL
GroupAccessDeviceCustomTagGetListTransaction	GROUP_LEVEL
GroupAccessDeviceCustomTagModifyTransaction	GROUP_LEVEL
GroupAccessDeviceDeleteTransaction	GROUP_LEVEL
GroupAccessDeviceFileGetListTransaction	GROUP_LEVEL
GroupAccessDeviceFileGetListTransaction14sp8	GROUP_LEVEL
GroupAccessDeviceFileGetTransaction	GROUP_LEVEL
GroupAccessDeviceFileGetTransaction14sp8	GROUP_LEVEL
GroupAccessDeviceFileGetTransaction16sp1	GROUP_LEVEL
GroupAccessDeviceFileModifyTransaction	GROUP_LEVEL
GroupAccessDeviceFileModifyTransaction14sp8	GROUP_LEVEL
GroupAccessDeviceGetAvailableDetailListTransaction14	GROUP_LEVEL
GroupAccessDeviceGetAvailableDetailListTransaction19	GROUP_LEVEL
GroupAccessDeviceGetEnhancedConfigurationTypeListTransaction	GROUP_LEVEL
GroupAccessDeviceGetEnhancedConfigurationTypeTransaction14	GROUP_LEVEL
GroupAccessDeviceGetListTransaction	GROUP_LEVEL
GroupAccessDeviceGetMobilityManagerProvisioningPasswordTransaction	GROUP_LEVEL
GroupAccessDeviceGetTransaction14	GROUP_LEVEL
GroupAccessDeviceGetTransaction14sp3	GROUP_LEVEL
GroupAccessDeviceGetTransaction14sp6	GROUP_LEVEL
GroupAccessDeviceGetTransaction16	GROUP_LEVEL

Transaction	Authorization Level
GroupAccessDeviceGetTransaction18sp1	GROUP_LEVEL
GroupAccessDeviceGetUserListTransaction	GROUP_LEVEL
GroupAccessDeviceModifyTransaction14	GROUP_LEVEL
GroupAccessDeviceModifyUserTransaction	GROUP_LEVEL
GroupAccessDeviceResetTransaction	GROUP_LEVEL
GroupAddTransaction	SERVICE_PROVIDER_LEVEL
GroupAdminAddTransaction	GROUP_LEVEL
GroupAdminDeleteTransaction	GROUP_LEVEL
GroupAdminGetListTransaction	GROUP_LEVEL
GroupAdminGetPolicyTransaction	GROUP_LEVEL
GroupAdminGetPolicyTransaction14sp1	GROUP_LEVEL
GroupAdminGetPolicyTransaction16sp1	GROUP_LEVEL
GroupAdminGetPolicyTransaction16sp2	GROUP_LEVEL
GroupAdminGetPolicyTransaction17	GROUP_LEVEL
GroupAdminGetPolicyTransaction17sp3	GROUP_LEVEL
GroupAdminGetPolicyTransaction18	GROUP_LEVEL
GroupAdminGetTransaction	GROUP_LEVEL
GroupAdminModifyPolicyTransaction	GROUP_LEVEL
GroupAdminModifyTransaction	GROUP_LEVEL
GroupApplicationServerSetGetTransaction	SYSTEM_LEVEL
GroupApplicationServerSetModifyTransaction	SYSTEM_LEVEL
GroupAssignedServicesGetListTransaction	USER_LEVEL
GroupAuthorizedUserFeaturesGetListTransaction	USER_LEVEL
GroupBroadWorksMobileManagerActivationTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerAddHomeZoneTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerAddTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerDeleteHomeZoneListTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerDeleteHomeZoneTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerDeleteTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerGetDomainListTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerGetHomeZoneListTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerGetHomeZoneTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerGetTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerModifyHomeZoneTransaction	SYSTEM_LEVEL
GroupBroadWorksMobileManagerModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
GroupBroadWorksMobileManagerSendCarrierFilesTransaction	SYSTEM_LEVEL
GroupCallingLineIdGetTransaction	GROUP_LEVEL
GroupCallingLineIdModifyTransaction	GROUP_LEVEL
GroupCallProcessingGetPolicyTransaction14	GROUP_LEVEL
GroupCallProcessingGetPolicyTransaction14sp1	GROUP_LEVEL
GroupCallProcessingGetPolicyTransaction14sp4	GROUP_LEVEL
GroupCallProcessingGetPolicyTransaction14sp7	USER_LEVEL
GroupCallProcessingGetPolicyTransaction15	GROUP_LEVEL
GroupCallProcessingGetPolicyTransaction15sp2	USER_LEVEL
GroupCallProcessingGetPolicyTransaction16	USER_LEVEL
GroupCallProcessingGetPolicyTransaction16sp2	USER_LEVEL
GroupCallProcessingGetPolicyTransaction17	USER_LEVEL
GroupCallProcessingGetPolicyTransaction17sp3	USER_LEVEL
GroupCallProcessingGetPolicyTransaction17sp4	USER_LEVEL
GroupCallProcessingGetPolicyTransaction18	USER_LEVEL
GroupCallProcessingModifyPolicyTransaction14	SERVICE_PROVIDER_LEVEL
GroupCallProcessingModifyPolicyTransaction14sp7	GROUP_LEVEL
GroupCallProcessingModifyPolicyTransaction15	GROUP_LEVEL
GroupCallProcessingModifyPolicyTransaction15sp2	GROUP_LEVEL
GroupClientApplicationClearFileCustomizationTransaction	GROUP_LEVEL
GroupClientApplicationFileCustomizationInfoGetListTransaction	GROUP_LEVEL
GroupClientApplicationLaunchProfileAddTransaction	GROUP_LEVEL
GroupClientApplicationLaunchProfileDeleteTransaction	GROUP_LEVEL
GroupClientApplicationLaunchProfileGetListTransaction	GROUP_LEVEL
GroupClientApplicationLaunchProfileModifyTransaction	GROUP_LEVEL
GroupClientApplicationPutFileCustomizationTransaction	GROUP_LEVEL
GroupCommonPhoneListAddListTransaction	GROUP_LEVEL
GroupCommonPhoneListDeleteListTransaction	GROUP_LEVEL
GroupCommonPhoneListGetListTransaction	USER_LEVEL
GroupCommonPhoneListModifyTransaction	GROUP_LEVEL
GroupCommunicationBarringAuthorizationCodeAddListTransaction	GROUP_LEVEL
GroupCommunicationBarringAuthorizationCodeDeleteListTransaction	GROUP_LEVEL
GroupCommunicationBarringAuthorizationCodeGetListTransaction	GROUP_LEVEL
GroupCommunicationBarringGetTransaction	SERVICE_PROVIDER_LEVEL
GroupCommunicationBarringModifyTransaction	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
GroupCPEConfigRebuildConfigFileTransaction	GROUP_LEVEL
GroupCPEConfigRebuildDeviceConfigFileTransaction	GROUP_LEVEL
GroupCPEConfigReorderDeviceLinePortsTransaction	GROUP_LEVEL
GroupCPEConfigResetDeviceTransaction	GROUP_LEVEL
GroupCPEConfigResetDeviceTypeTransaction	GROUP_LEVEL
GroupCPEConfigSetConfigFileTransaction	GROUP_LEVEL
GroupCustomContactDirectoryAddTransaction	GROUP_LEVEL
GroupCustomContactDirectoryAddTransaction17	GROUP_LEVEL
GroupCustomContactDirectoryDeleteTransaction	GROUP_LEVEL
GroupCustomContactDirectoryGetAvailableUserListTransaction	GROUP_LEVEL
GroupCustomContactDirectoryGetAvailableUserListTransaction17	GROUP_LEVEL
GroupCustomContactDirectoryGetListTransaction	USER_LEVEL
GroupCustomContactDirectoryGetTransaction	USER_LEVEL
GroupCustomContactDirectoryGetTransaction17	USER_LEVEL
GroupCustomContactDirectoryModifyTransaction	GROUP_LEVEL
GroupCustomContactDirectoryModifyTransaction17	GROUP_LEVEL
GroupDeleteTransaction	SERVICE_PROVIDER_LEVEL
GroupDepartmentAddTransaction	GROUP_LEVEL
GroupDepartmentAdminAddTransaction	GROUP_LEVEL
GroupDepartmentAdminDeleteTransaction	GROUP_LEVEL
GroupDepartmentAdminGetListTransaction	GROUP_LEVEL
GroupDepartmentAdminGetTransaction	GROUP_LEVEL
GroupDepartmentAdminModifyTransaction	GROUP_LEVEL
GroupDepartmentDeleteTransaction	GROUP_LEVEL
GroupDepartmentGetAvailableParentListTransaction	GROUP_LEVEL
GroupDepartmentGetListTransaction	USER_LEVEL
GroupDepartmentGetListTransaction18	USER_LEVEL
GroupDepartmentGetTransaction	GROUP_LEVEL
GroupDepartmentModifyTransaction	GROUP_LEVEL
GroupDeviceTypeCustomTagAddTransaction	GROUP_LEVEL
GroupDeviceTypeCustomTagDeleteListTransaction	GROUP_LEVEL
GroupDeviceTypeCustomTagGetListTransaction	GROUP_LEVEL
GroupDeviceTypeCustomTagModifyTransaction	GROUP_LEVEL
GroupDeviceTypeFileGetListTransaction	GROUP_LEVEL
GroupDeviceTypeFileGetListTransaction14sp8	GROUP_LEVEL

Transaction	Authorization Level
GroupDeviceTypeFileGetTransaction	GROUP_LEVEL
GroupDeviceTypeFileGetTransaction14sp8	GROUP_LEVEL
GroupDeviceTypeFileGetTransaction16sp1	GROUP_LEVEL
GroupDeviceTypeFileModifyTransaction	GROUP_LEVEL
GroupDeviceTypeFileModifyTransaction14sp8	GROUP_LEVEL
GroupDialableCallerIDCriteriaAddTransaction	GROUP_LEVEL
GroupDialableCallerIDCriteriaDeleteTransaction	GROUP_LEVEL
GroupDialableCallerIDCriteriaGetTransaction	GROUP_LEVEL
GroupDialableCallerIDCriteriaModifyTransaction	GROUP_LEVEL
GroupDialableCallerIDGetTransaction	GROUP_LEVEL
GroupDialableCallerIDModifyTransaction	GROUP_LEVEL
GroupDialPlanPolicyAddAccessCodeTransaction	GROUP_LEVEL
GroupDialPlanPolicyDeleteAccessCodeTransaction	GROUP_LEVEL
GroupDialPlanPolicyGetAccessCodeListTransaction	GROUP_LEVEL
GroupDialPlanPolicyGetAccessCodeTransaction	GROUP_LEVEL
GroupDialPlanPolicyGetTransaction	GROUP_LEVEL
GroupDialPlanPolicyGetTransaction17	GROUP_LEVEL
GroupDialPlanPolicyModifyAccessCodeTransaction	GROUP_LEVEL
GroupDialPlanPolicyModifyTransaction	GROUP_LEVEL
GroupDigitCollectionGetTransaction13mp4	GROUP_LEVEL
GroupDigitCollectionModifyTransaction	GROUP_LEVEL
GroupDnActivateListTransaction	GROUP_LEVEL
GroupDnAssignListTransaction	SERVICE_PROVIDER_LEVEL
GroupDnDeactivateListTransaction	GROUP_LEVEL
GroupDnGetActivationListTransaction	GROUP_LEVEL
GroupDnGetAssignmentListTransaction	GROUP_LEVEL
GroupDnGetAssignmentListTransaction18	GROUP_LEVEL
GroupDnGetAvailableListTransaction	GROUP_LEVEL
GroupDnGetAvailableRangeListTransaction	GROUP_LEVEL
GroupDnGetDetailedAvailableListTransaction	GROUP_LEVEL
GroupDnGetListTransaction	GROUP_LEVEL
GroupDnGetSummaryListTransaction	GROUP_LEVEL
GroupDnListAssignDepartmentTransaction	GROUP_LEVEL
GroupDnUnassignListTransaction	SERVICE_PROVIDER_LEVEL
GroupDomainAssignListTransaction	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
GroupDomainGetAssignedListTransaction	GROUP_LEVEL
GroupDomainGetAssignedUserListTransaction	GROUP_LEVEL
GroupDomainUnassignListTransaction	SERVICE_PROVIDER_LEVEL
GroupEndpointGetListTransaction	GROUP_LEVEL
GroupExchangeIntegrationGetTransaction	GROUP_LEVEL
GroupExchangeIntegrationModifyTransaction	GROUP_LEVEL
GroupExistingUsersAssignUserServiceListTransaction	GROUP_LEVEL
GroupExistingUsersUnassignUserServiceListTransaction	GROUP_LEVEL
GroupExtensionLengthGetTransaction	GROUP_LEVEL
GroupExtensionLengthGetTransaction17	GROUP_LEVEL
GroupExtensionLengthModifyTransaction	GROUP_LEVEL
GroupExtensionLengthModifyTransaction17	GROUP_LEVEL
GroupFeatureAccessCodeGetListTransaction	GROUP_LEVEL
GroupFeatureAccessCodeGetTransaction	GROUP_LEVEL
GroupFeatureAccessCodeModifyListTransaction	GROUP_LEVEL
GroupFeatureAccessCodeModifyTransaction	GROUP_LEVEL
GroupFileRepositoryDeviceUserAddTransaction	GROUP_LEVEL
GroupFileRepositoryDeviceUserDeleteTransaction	GROUP_LEVEL
GroupFileRepositoryDeviceUserGetListTransaction	GROUP_LEVEL
GroupFileRepositoryDeviceUserModifyTransaction	GROUP_LEVEL
GroupGetDefaultTransaction	SERVICE_PROVIDER_LEVEL
GroupGetListInServiceProviderTransaction	USER_LEVEL
GroupGetListInSystemTransaction	PROVISIONING_LEVEL
GroupGetTransaction	USER_LEVEL
GroupGetTransaction14sp7	USER_LEVEL
GroupGetUserServiceAssignedUserListTransaction	GROUP_LEVEL
GroupHolidayScheduleAddTransaction	GROUP_LEVEL
GroupHolidayScheduleDeleteTransaction	GROUP_LEVEL
GroupHolidayScheduleGetListTransaction	USER_LEVEL
GroupHolidayScheduleGetTransaction	USER_LEVEL
GroupHolidayScheduleModifyTransaction	GROUP_LEVEL
GroupJWSClearFileCustomizationTransaction	GROUP_LEVEL
GroupJWSFileCustomizationInfoGetListTransaction	GROUP_LEVEL
GroupJWSPutFileCustomizationTransaction	GROUP_LEVEL
GroupMaintenancePartitionGetTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
GroupMaintenancePartitionModifyTransaction	SYSTEM_LEVEL
GroupModifyTransaction	GROUP_LEVEL
GroupNavigationGetServiceLinkDisplayTransaction	GROUP_LEVEL
GroupNetworkClassOfServiceAssignListTransaction	SERVICE_PROVIDER_LEVEL
GroupNetworkClassOfServiceAssignToAllUsersTransaction	GROUP_LEVEL
GroupNetworkClassOfServiceGetAssignedListTransaction	GROUP_LEVEL
GroupNetworkClassOfServiceGetAssignedUserListTransaction	GROUP_LEVEL
GroupNetworkClassOfServiceModifyDefaultTransaction	GROUP_LEVEL
GroupNetworkClassOfServiceUnassignListTransaction	SERVICE_PROVIDER_LEVEL
GroupNewUserTemplateAssignUserServiceListTransaction	GROUP_LEVEL
GroupNewUserTemplateUnassignUserServiceListTransaction	GROUP_LEVEL
GroupOfficeZoneAssignListTransaction	SERVICE_PROVIDER_LEVEL
GroupOfficeZoneGetAssignedListTransaction	GROUP_LEVEL
GroupOfficeZoneGetAssignedUserListTransaction	GROUP_LEVEL
GroupOfficeZoneUnassignListTransaction	SERVICE_PROVIDER_LEVEL
GroupPasswordRulesGetTransaction	USER_LEVEL
GroupPasswordRulesGetTransaction16	USER_LEVEL
GroupPasswordRulesModifyTransaction	GROUP_LEVEL
GroupPhoneDirectoryGetListTransaction	USER_LEVEL
GroupPhoneDirectoryGetListTransaction17	USER_LEVEL
GroupPhoneDirectoryGetListTransaction17sp3	USER_LEVEL
GroupPhoneDirectoryGetListTransaction18	USER_LEVEL
GroupPolicyGetTransaction	GROUP_LEVEL
GroupPolicyGetTransaction14sp1	GROUP_LEVEL
GroupPolicyGetTransaction14sp4	GROUP_LEVEL
GroupPolicyGetTransaction17	GROUP_LEVEL
GroupPolicyModifyTransaction	GROUP_LEVEL
GroupPortalPasscodeRulesGetTransaction	GROUP_LEVEL
GroupPortalPasscodeRulesGetTransaction19	GROUP_LEVEL
GroupPortalPasscodeRulesModifyTransaction	GROUP_LEVEL
GroupRebuildProfileTransaction	GROUP_PROVISION_LEVEL
GroupRoutePointExternalSystemAssignListTransaction	SERVICE_PROVIDER_LEVEL
GroupRoutePointExternalSystemGetAssignedListTransaction	GROUP_LEVEL
GroupRoutePointExternalSystemGetAssignedRoutePointListTransaction	GROUP_LEVEL
GroupRoutePointExternalSystemUnassignListTransaction	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
GroupRoutingProfileGetTransaction	PROVISIONING_LEVEL
GroupRoutingProfileModifyTransaction	PROVISIONING_LEVEL
GroupScheduleAddEventTransaction	GROUP_LEVEL
GroupScheduleAddTransaction	GROUP_LEVEL
GroupScheduleDeleteEventListTransaction	GROUP_LEVEL
GroupScheduleDeleteListTransaction	GROUP_LEVEL
GroupScheduleGetEventListTransaction	USER_LEVEL
GroupScheduleGetEventTransaction	USER_LEVEL
GroupScheduleGetListTransaction	GROUP_LEVEL
GroupScheduleGetListTransaction17sp1	GROUP_LEVEL
GroupScheduleModifyEventTransaction	GROUP_LEVEL
GroupScheduleModifyTransaction	GROUP_LEVEL
GroupServiceAssignListTransaction	GROUP_LEVEL
GroupServiceGetAuthorizationListTransaction	GROUP_LEVEL
GroupServiceGetAuthorizedListTransaction	GROUP_LEVEL
GroupServiceIsAssignedTransaction	USER_LEVEL
GroupServiceModifyAuthorizationListTransaction	SERVICE_PROVIDER_LEVEL
GroupServiceUnassignListTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGetAvailableDeviceListTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGetTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupAddDeviceListTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupAddTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupDeleteDeviceListTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupDeleteListTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupGetListTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupGetTransaction	GROUP_LEVEL
GroupSessionAdmissionControlGroupModifyTransaction	GROUP_LEVEL
GroupSessionAdmissionControlModifyTransaction	SERVICE_PROVIDER_LEVEL
GroupShInterfaceGetUserListTransaction	SYSTEM_LEVEL
GroupTimeScheduleAddTransaction	GROUP_LEVEL
GroupTimeScheduleDeleteTransaction	GROUP_LEVEL
GroupTimeScheduleGetListTransaction	USER_LEVEL
GroupTimeScheduleGetTransaction	USER_LEVEL
GroupTimeScheduleModifyTransaction	GROUP_LEVEL
GroupTrunkGroupGetAvailableDetailListTransaction	GROUP_LEVEL

Transaction	Authorization Level
GroupViewableFeaturesGetTransaction	GROUP_LEVEL
AuthenticationKeyTransaction	NOT_AUTHORIZED
AuthenticationTransaction	NOT_AUTHORIZED
AuthenticationVerificationTransaction	NOT_AUTHORIZED
AuthenticationVerifyTransaction	NOT_AUTHORIZED
AuthenticationVerifyTransaction14sp8	NOT_AUTHORIZED
AvailabilityTestTransaction	NOT_AUTHORIZED
DeviceManagementFileAuthLocationGetTransaction	NOT_AUTHORIZED
DeviceManagementFileAuthLocationGetTransaction17	NOT_AUTHORIZED
DeviceManagementFileAuthLocationGetTransaction18	NOT_AUTHORIZED
DeviceManagementPutFileTransaction	NOT_AUTHORIZED
ExternalAuthenticationAuthorizeTokenTransaction	NOT_AUTHORIZED
ExternalAuthenticationCheckACLTransaction	NOT_AUTHORIZED
InterProcessSessionStartTransaction	NOT_AUTHORIZED
LoginKeyTransaction	NOT_AUTHORIZED
LoginTransaction13Mp10	NOT_AUTHORIZED
LoginTransaction14sp4	NOT_AUTHORIZED
LogoutTransaction	USER_LEVEL
PasswordModifyTransaction	USER_LEVEL
PrimaryInfoGetTransaction	USER_LEVEL
PublicClusterGetFullyQualifiedDomainNameTransaction	NOT_AUTHORIZED
SessionStartTransaction	NOT_AUTHORIZED
SessionStopTransaction	USER_LEVEL
TutorialFlagGetTransaction	USER_LEVEL
TutorialFlagModifyTransaction	USER_LEVEL
UserGetLoginInfoTransaction	USER_LEVEL
VerifySessionsValidTransaction	USER_LEVEL
ServiceProviderAccessDeviceAddTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceCustomTagAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceCustomTagDeleteListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceCustomTagGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceCustomTagModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceFileGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceFileGetListTransaction14sp8	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
ServiceProviderAccessDeviceFileGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceFileGetTransaction14sp8	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceFileGetTransaction16sp1	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceFileModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceFileModifyTransaction14sp8	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetMobilityManagerProvisioningPasswordTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetTransaction14sp3	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetTransaction14sp6	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetTransaction16	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetTransaction18sp1	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceGetUserListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceModifyTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceModifyUserTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAccessDeviceResetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAddTransaction13mp2	PROVISIONING_LEVEL
ServiceProviderAdminAddTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetListTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction16sp1	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction16sp2	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction17	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction17sp1	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction17sp3	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetPolicyTransaction18	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminGetTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminModifyPolicyTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderAdminModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAnswerConfirmationGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAnswerConfirmationGetTransaction16	SERVICE_PROVIDER_LEVEL
ServiceProviderAnswerConfirmationModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderAnswerConfirmationModifyTransaction16	SERVICE_PROVIDER_LEVEL
ServiceProviderApplicationServerSetGetTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
ServiceProviderApplicationServerSetModifyTransaction	SYSTEM_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction14sp1	SERVICE_PROVIDER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction14sp4	SERVICE_PROVIDER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction14sp7	USER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction15	SERVICE_PROVIDER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction15sp2	USER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction16	USER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction16sp2	USER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction17	USER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction17sp3	USER_LEVEL
ServiceProviderCallProcessingGetPolicyTransaction17sp4	USER_LEVEL
ServiceProviderCallProcessingModifyPolicyTransaction14	SERVICE_PROVIDER_LEVEL
ServiceProviderCallProcessingModifyPolicyTransaction15	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationClearFileCustomizationTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationFileCustomizationInfoGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationLaunchProfileAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationLaunchProfileDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationLaunchProfileGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationLaunchProfileModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderClientApplicationPutFileCustomizationTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringCriteriaAssignListTransaction	SYSTEM_LEVEL
ServiceProviderCommunicationBarringCriteriaGetAssignedListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringCriteriaUnassignListTransaction	SYSTEM_LEVEL
ServiceProviderCommunicationBarringDigitPatternCriteriaAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringDigitPatternCriteriaDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringDigitPatternCriteriaGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringDigitPatternCriteriaGetPatternListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringDigitPatternCriteriaGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringDigitPatternCriteriaModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileAddTransaction17sp3	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileDeleteTransaction	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
ServiceProviderCommunicationBarringProfileGetAssignedGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileGetCriteriaUsageListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileGetDigitPatternCriteriaUsageListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileGetListTransaction	GROUP_LEVEL
ServiceProviderCommunicationBarringProfileGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileGetTransaction17sp3	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileModifyDefaultTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCommunicationBarringProfileModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCPEConfigRebuildDeviceConfigFileTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCPEConfigReorderDeviceLinePortsTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderCPEConfigResetDeviceTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDeleteTransaction	PROVISIONING_LEVEL
ServiceProviderDeviceProfileAuthenticationPasswordRulesGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDeviceProfileAuthenticationPasswordRulesModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialableCallerIDCriteriaAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialableCallerIDCriteriaDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialableCallerIDCriteriaGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialableCallerIDCriteriaModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialableCallerIDGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialableCallerIDModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyAddAccessCodeTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyDeleteAccessCodeTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyGetAccessCodeListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyGetAccessCodeTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyGetTransaction17	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyModifyAccessCodeTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDialPlanPolicyModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDigitCollectionGetTransaction13mp4	SERVICE_PROVIDER_LEVEL
ServiceProviderDigitCollectionModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDnAddListTransaction	PROVISIONING_LEVEL
ServiceProviderDnDeleteListTransaction	PROVISIONING_LEVEL
ServiceProviderDnGetAvailableListTransaction	GROUP_LEVEL

Transaction	Authorization Level
ServiceProviderDnGetSummaryListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDomainAssignListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDomainGetAssignedGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDomainGetAssignedListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderDomainUnassignListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderEndpointGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderFeatureAccessCodeGetListTransaction	GROUP_LEVEL
ServiceProviderFeatureAccessCodeModifyListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderFileRepositoryDeviceUserAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderFileRepositoryDeviceUserDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderFileRepositoryDeviceUserGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderFileRepositoryDeviceUserModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderGetDefaultTransaction	PROVISIONING_LEVEL
ServiceProviderGetListTransaction	PROVISIONING_LEVEL
ServiceProviderGetTransaction13mp2	USER_LEVEL
ServiceProviderGetTransaction17Sp1	USER_LEVEL
ServiceProviderJWSClearFileCustomizationTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderJWSFileCustomizationInfoGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderJWSPutFileCustomizationTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderLanguageAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderLanguageDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderLanguageGetAvailableListTransaction	USER_LEVEL
ServiceProviderLanguageGetListTransaction	USER_LEVEL
ServiceProviderLanguageModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderMaintenancePartitionGetTransaction	SYSTEM_LEVEL
ServiceProviderMaintenancePartitionModifyTransaction	SYSTEM_LEVEL
ServiceProviderModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNavigationGetServiceLinkDisplayTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNetworkClassOfServiceAssignListToAllGroupsTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNetworkClassOfServiceAssignListTransaction	SYSTEM_LEVEL
ServiceProviderNetworkClassOfServiceAssignToAllUsersTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNetworkClassOfServiceGetAssignedGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNetworkClassOfServiceGetAssignedListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNetworkClassOfServiceModifyDefaultTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderNetworkClassOfServiceUnassignListTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
ServiceProviderOfficeZoneAssignListTransaction	SYSTEM_LEVEL
ServiceProviderOfficeZoneGetAssignedGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderOfficeZoneGetAssignedListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderOfficeZoneUnassignListTransaction	SYSTEM_LEVEL
ServiceProviderPasswordRulesGetTransaction13mp2	USER_LEVEL
ServiceProviderPasswordRulesGetTransaction16	USER_LEVEL
ServiceProviderPasswordRulesModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPasswordRulesModifyTransaction14sp3	SERVICE_PROVIDER_LEVEL
ServiceProviderPortalPasscodeRulesGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPortalPasscodeRulesGetTransaction19	SERVICE_PROVIDER_LEVEL
ServiceProviderPortalPasscodeRulesModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderRebuildProfileTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderRoutePointExternalSystemAssignListTransaction	PROVISIONING_LEVEL
ServiceProviderRoutePointExternalSystemGetAssignedGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderRoutePointExternalSystemGetAssignedListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderRoutePointExternalSystemUnassignListTransaction	PROVISIONING_LEVEL
ServiceProviderRoutingProfileGetTransaction	PROVISIONING_LEVEL
ServiceProviderRoutingProfileModifyTransaction	PROVISIONING_LEVEL
ServiceProviderScanAnnouncementsTransaction	SYSTEM_LEVEL
ServiceProviderScheduleAddEventTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderScheduleAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderScheduleDeleteEventListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderScheduleDeleteListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderScheduleGetEventListTransaction	USER_LEVEL
ServiceProviderScheduleGetEventTransaction	USER_LEVEL
ServiceProviderScheduleGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderScheduleModifyEventTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderScheduleModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServiceGetAuthorizationListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServiceGetUserAssignableListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServiceModifyAuthorizationListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackAddServiceListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackGetDetailListTransaction	GROUP_LEVEL

Transaction	Authorization Level
ServiceProviderServicePackGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackGetServiceUsagelistTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackGetUtilizationListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskCopyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskGetAvailableGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskGetTransaction14sp4	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskModifyAssignmentListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskModifyGroupListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskModifyRemovalListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskModifyUserSelectionTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackMigrationTaskTerminateTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderServicePackModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderSessionAdmissionControlGetTransaction	GROUP_LEVEL
ServiceProviderSessionAdmissionControlModifyTransaction	PROVISIONING_LEVEL
ServiceProviderSessionAdmissionControlWhiteListGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderSessionAdmissionControlWhiteListModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderSIPAuthenticationPasswordRulesGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderSIPAuthenticationPasswordRulesModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderViewableFeaturesGetTransaction	USER_LEVEL
GroupAccountAuthorizationCodesAddListTransaction	GROUP_LEVEL
GroupAccountAuthorizationCodesDeleteListTransaction	GROUP_LEVEL
GroupAccountAuthorizationCodesGetAvailableUserListTransaction	GROUP_LEVEL
GroupAccountAuthorizationCodesGetListTransaction	USER_LEVEL
GroupAccountAuthorizationCodesGetTransaction	GROUP_LEVEL
GroupAccountAuthorizationCodesModifyTransaction	GROUP_LEVEL
SystemAdviceOfChargeGetTransaction	SYSTEM_LEVEL
SystemAdviceOfChargeModifyTransaction	SYSTEM_LEVEL
UserAdviceOfChargeGetTransaction	USER_LEVEL
UserAdviceOfChargeModifyTransaction	USER_LEVEL

Transaction	Authorization Level
UserAlternateNumbersGetTransaction	USER_LEVEL
UserAlternateNumbersGetTransaction17	USER_LEVEL
UserAlternateNumbersModifyTransaction	USER_LEVEL
SystemAnonymousCallRejectionGetTransaction	SYSTEM_LEVEL
SystemAnonymousCallRejectionModifyTransaction	SYSTEM_LEVEL
UserAnonymousCallRejectionGetTransaction	USER_LEVEL
UserAnonymousCallRejectionModifyTransaction	USER_LEVEL
SystemAttendantConsoleGetTransaction	SYSTEM_LEVEL
SystemAttendantConsoleModifyTransaction	SYSTEM_LEVEL
UserAttendantConsoleAddUserListTransaction	USER_LEVEL
UserAttendantConsoleDeleteUserListTransaction	USER_LEVEL
UserAttendantConsoleGetAvailableUserListTransaction	USER_LEVEL
UserAttendantConsoleGetTransaction	USER_LEVEL
UserAttendantConsoleGetTransaction14sp2	USER_LEVEL
UserAttendantConsoleModifyTransaction	USER_LEVEL
UserAuthenticationGetTransaction	USER_LEVEL
UserAuthenticationModifyTransaction	USER_LEVEL
GroupAutoAttendantAddInstanceTransaction14	GROUP_LEVEL
GroupAutoAttendantAddInstanceTransaction16	GROUP_LEVEL
GroupAutoAttendantAddInstanceTransaction17sp1	GROUP_LEVEL
GroupAutoAttendantAddInstanceTransaction19	GROUP_LEVEL
GroupAutoAttendantDeleteInstanceTransaction	GROUP_LEVEL
GroupAutoAttendantGetInstanceListTransaction	GROUP_LEVEL
GroupAutoAttendantGetInstanceTransaction14	GROUP_LEVEL
GroupAutoAttendantGetInstanceTransaction16	GROUP_LEVEL
GroupAutoAttendantGetInstanceTransaction17	GROUP_LEVEL
GroupAutoAttendantGetInstanceTransaction17sp1	GROUP_LEVEL
GroupAutoAttendantGetInstanceTransaction19	GROUP_LEVEL
GroupAutoAttendantModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupAutoAttendantModifyInstanceTransaction	GROUP_LEVEL
GroupAutoAttendantModifyInstanceTransaction16	GROUP_LEVEL
GroupAutoAttendantModifyInstanceTransaction17sp1	GROUP_LEVEL
GroupAutoAttendantSubmenuAddTransaction	GROUP_LEVEL
GroupAutoAttendantSubmenuDeleteListTransaction	GROUP_LEVEL
GroupAutoAttendantSubmenuGetListTransaction	GROUP_LEVEL

Transaction	Authorization Level
GroupAutoAttendantSubMenuGetTransaction	GROUP_LEVEL
GroupAutoAttendantSubMenuGetUsageListTransaction	GROUP_LEVEL
GroupAutoAttendantSubMenuModifyTransaction	GROUP_LEVEL
SystemAutoAttendantGetTransaction	SYSTEM_LEVEL
SystemAutoAttendantModifyTransaction	SYSTEM_LEVEL
SystemAutomaticCallbackAddReleaseCauseListTransaction	SYSTEM_LEVEL
SystemAutomaticCallbackDeleteReleaseCauseListTransaction	SYSTEM_LEVEL
SystemAutomaticCallbackGetReleaseCauseListTransaction	SYSTEM_LEVEL
SystemAutomaticCallbackGetTransaction	SYSTEM_LEVEL
SystemAutomaticCallbackGetTransaction15	SYSTEM_LEVEL
SystemAutomaticCallbackGetTransaction15sp2	SYSTEM_LEVEL
SystemAutomaticCallbackGetTransaction17	SYSTEM_LEVEL
SystemAutomaticCallbackModifyTransaction	SYSTEM_LEVEL
SystemAutomaticCallbackModifyTransaction15	SYSTEM_LEVEL
UserAutomaticCallbackGetTransaction	USER_LEVEL
UserAutomaticCallbackModifyTransaction	USER_LEVEL
UserAutomaticHoldRetrieveGetTransaction	USER_LEVEL
UserAutomaticHoldRetrieveModifyTransaction	USER_LEVEL
UserBargeInExemptGetTransaction	USER_LEVEL
UserBargeInExemptModifyTransaction	USER_LEVEL
UserBasicCallLogsGetListTransaction	USER_LEVEL
UserBasicCallLogsGetListTransaction14sp4	USER_LEVEL
GroupBroadWorksAnywhereAddInstanceTransaction	GROUP_LEVEL
GroupBroadWorksAnywhereDeleteInstanceTransaction	GROUP_LEVEL
GroupBroadWorksAnywhereGetInstanceListTransaction	GROUP_LEVEL
GroupBroadWorksAnywhereGetInstanceTransaction	GROUP_LEVEL
GroupBroadWorksAnywhereGetInstanceTransaction17	GROUP_LEVEL
GroupBroadWorksAnywhereModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupBroadWorksAnywhereModifyInstanceTransaction	GROUP_LEVEL
UserBroadWorksAnywhereAddPhoneNumberTransaction	USER_LEVEL
UserBroadWorksAnywhereAddSelectiveCriteriaTransaction	USER_LEVEL
UserBroadWorksAnywhereAddSelectiveCriteriaTransaction16	USER_LEVEL
UserBroadWorksAnywhereDeletePhoneNumberTransaction	USER_LEVEL
UserBroadWorksAnywhereDeleteSelectiveCriteriaTransaction	USER_LEVEL
UserBroadWorksAnywhereGetAvailablePortalListTransaction	USER_LEVEL

Transaction	Authorization Level
UserBroadWorksAnywhereGetPhoneNumberTransaction	USER_LEVEL
UserBroadWorksAnywhereGetSelectiveCriteriaTransaction	USER_LEVEL
UserBroadWorksAnywhereGetSelectiveCriteriaTransaction16	USER_LEVEL
UserBroadWorksAnywhereGetTransaction	USER_LEVEL
UserBroadWorksAnywhereGetTransaction16sp2	USER_LEVEL
UserBroadWorksAnywhereModifyPhoneNumberTransaction	USER_LEVEL
UserBroadWorksAnywhereModifySelectiveCriteriaTransaction	USER_LEVEL
UserBroadWorksAnywhereModifyTransaction	USER_LEVEL
ServiceProviderBroadWorksCommunicatorGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderBroadWorksCommunicatorModifyTransaction	SERVICE_PROVIDER_LEVEL
UserBroadWorksCommunicatorGetTransaction	USER_LEVEL
GroupBroadWorksMobilityGetTransaction	SYSTEM_LEVEL
GroupBroadWorksMobilityModifyTransaction	SYSTEM_LEVEL
ServiceProviderBroadWorksMobilityGetTransaction	SYSTEM_LEVEL
ServiceProviderBroadWorksMobilityModifyTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityAddIMRNListTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityDeleteIMRNListTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityGetIMRNListTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityGetTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityGetTransaction17sp4	SYSTEM_LEVEL
SystemBroadWorksMobilityModifyTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityModifyTransaction17sp4	SYSTEM_LEVEL
SystemBroadWorksMobilityServiceAccessCodeAddTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityServiceAccessCodeDeleteTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityServiceAccessCodeGetListTransaction	SYSTEM_LEVEL
SystemBroadWorksMobilityServiceAccessCodeModifyTransaction	SYSTEM_LEVEL
UserBroadWorksMobilityGetTransaction	USER_LEVEL
UserBroadWorksMobilityModifyTransaction	USER_LEVEL
SystemBusyLampFieldGetTransaction	SYSTEM_LEVEL
SystemBusyLampFieldGetTransaction18	SYSTEM_LEVEL
SystemBusyLampFieldModifyTransaction	SYSTEM_LEVEL
UserBusyLampFieldGetAvailableUserListTransaction	USER_LEVEL
UserBusyLampFieldGetTransaction	USER_LEVEL
UserBusyLampFieldGetTransaction16sp2	USER_LEVEL
UserBusyLampFieldModifyTransaction	USER_LEVEL

Transaction	Authorization Level
GroupCallCapacityManagementAddInstanceTransaction	GROUP_LEVEL
GroupCallCapacityManagementAddUserListTransaction	GROUP_LEVEL
GroupCallCapacityManagementDeleteInstanceListTransaction	GROUP_LEVEL
GroupCallCapacityManagementDeleteUserListTransaction	GROUP_LEVEL
GroupCallCapacityManagementGetAvailableUserListTransaction	GROUP_LEVEL
GroupCallCapacityManagementGetInstanceListTransaction	GROUP_LEVEL
GroupCallCapacityManagementGetInstanceTransaction	GROUP_LEVEL
GroupCallCapacityManagementModifyInstanceTransaction	GROUP_LEVEL
EnterpriseCallCenterAgentThresholdDefaultProfileGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileAddAgentListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileDeleteAgentListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileGetAvailableAgentListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileGetListTransaction	GROUP_LEVEL
EnterpriseCallCenterAgentThresholdProfileGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentThresholdProfileModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeGetListTransaction	USER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeGetTransaction	USER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeSettingsGetTransaction	USER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeSettingsGetTransaction17sp4	USER_LEVEL
EnterpriseCallCenterAgentUnavailableCodeSettingsModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCallDispositionCodeAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCallDispositionCodeDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCallDispositionCodeGetListTransaction	USER_LEVEL
EnterpriseCallCenterCallDispositionCodeGetTransaction	USER_LEVEL
EnterpriseCallCenterCallDispositionCodeGetUsageListTransaction	USER_LEVEL
EnterpriseCallCenterCallDispositionCodeModifyActiveListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCallDispositionCodeModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCurrentAndPastAgentGetListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCurrentAndPastCallCenterGetListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterCurrentAndPastDNISGetListTransaction	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
EnterpriseCallCenterEnhancedReportingBrandingGetTransaction	GROUP_LEVEL
EnterpriseCallCenterEnhancedReportingBrandingModifyTransaction	GROUP_LEVEL
EnterpriseCallCenterEnhancedReportingGetAvailableReportTemplateListTransaction	USER_LEVEL
EnterpriseCallCenterEnhancedReportingGetTransaction	USER_LEVEL
EnterpriseCallCenterEnhancedReportingGetTransaction19	USER_LEVEL
EnterpriseCallCenterEnhancedReportingModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingModifyTransaction19	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingReportTemplateAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingReportTemplateDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingReportTemplateGetListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingReportTemplateGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingReportTemplateModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportAddTransaction	USER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportGetActiveListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportGetCompletedListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportGetListTransaction	USER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportGetReportTemplateUsageListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterEnhancedReportingScheduledReportModifyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterGetRoutingPolicyTransaction	USER_LEVEL
EnterpriseCallCenterGetTransaction	USER_LEVEL
EnterpriseCallCenterGetTransaction17sp4	USER_LEVEL
EnterpriseCallCenterModifyRoutingPolicyTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseCallCenterModifyTransaction	SERVICE_PROVIDER_LEVEL
GroupCallCenterAddAgentListTransaction	USER_LEVEL
GroupCallCenterAddDNITransaction	USER_LEVEL
GroupCallCenterAddInstanceTransaction14	GROUP_LEVEL
GroupCallCenterAddInstanceTransaction14sp3	GROUP_LEVEL
GroupCallCenterAddInstanceTransaction14sp9	GROUP_LEVEL

Transaction	Authorization Level
GroupCallCenterAddInstanceTransaction16	GROUP_LEVEL
GroupCallCenterAddInstanceTransaction17	GROUP_LEVEL
GroupCallCenterAddInstanceTransaction17sp1	GROUP_LEVEL
GroupCallCenterAddInstanceTransaction17sp3	GROUP_LEVEL
GroupCallCenterAddInstanceTransaction19	GROUP_LEVEL
GroupCallCenterAddSupervisorListTransaction	USER_LEVEL
GroupCallCenterAgentThresholdDefaultProfileGetTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileAddAgentListTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileAddTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileDeleteAgentListTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileDeleteTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileGetAvailableAgentListTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileGetListTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileGetTransaction	GROUP_LEVEL
GroupCallCenterAgentThresholdProfileModifyTransaction	GROUP_LEVEL
GroupCallCenterAgentUnavailableCodeAddTransaction	GROUP_LEVEL
GroupCallCenterAgentUnavailableCodeDeleteTransaction	GROUP_LEVEL
GroupCallCenterAgentUnavailableCodeGetListTransaction	USER_LEVEL
GroupCallCenterAgentUnavailableCodeGetTransaction	USER_LEVEL
GroupCallCenterAgentUnavailableCodeModifyTransaction	GROUP_LEVEL
GroupCallCenterAgentUnavailableCodeSettingsGetTransaction	USER_LEVEL
GroupCallCenterAgentUnavailableCodeSettingsGetTransaction17sp4	USER_LEVEL
GroupCallCenterAgentUnavailableCodeSettingsModifyTransaction	GROUP_LEVEL
GroupCallCenterBouncedCallGetTransaction	USER_LEVEL
GroupCallCenterBouncedCallGetTransaction17	USER_LEVEL
GroupCallCenterBouncedCallModifyTransaction	USER_LEVEL
GroupCallCenterCallDispositionCodeAddTransaction	GROUP_LEVEL
GroupCallCenterCallDispositionCodeDeleteTransaction	GROUP_LEVEL
GroupCallCenterCallDispositionCodeGetListTransaction	USER_LEVEL
GroupCallCenterCallDispositionCodeGetTransaction	USER_LEVEL
GroupCallCenterCallDispositionCodeGetUsageListTransaction	USER_LEVEL
GroupCallCenterCallDispositionCodeModifyActiveListTransaction	GROUP_LEVEL
GroupCallCenterCallDispositionCodeModifyTransaction	GROUP_LEVEL
GroupCallCenterComfortMessageBypassGetTransaction	USER_LEVEL
GroupCallCenterComfortMessageBypassGetTransaction17	USER_LEVEL

Transaction	Authorization Level
GroupCallCenterComfortMessageBypassModifyTransaction	USER_LEVEL
GroupCallCenterComfortMessageBypassModifyTransaction17	USER_LEVEL
GroupCallCenterCurrentAndPastAgentGetListTransaction	GROUP_LEVEL
GroupCallCenterCurrentAndPastCallCenterGetListTransaction	GROUP_LEVEL
GroupCallCenterCurrentAndPastDNISGetListTransaction	GROUP_LEVEL
GroupCallCenterDeleteAgentListTransaction	USER_LEVEL
GroupCallCenterDeleteDNISTransaction	USER_LEVEL
GroupCallCenterDeleteInstanceTransaction	GROUP_LEVEL
GroupCallCenterDeleteSupervisorListTransaction	USER_LEVEL
GroupCallCenterDistinctiveRingingGetTransaction	USER_LEVEL
GroupCallCenterDistinctiveRingingModifyTransaction	USER_LEVEL
GroupCallCenterEnhancedReportingBrandingGetTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingBrandingModifyTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingGetAvailableReportTemplateListTransaction	USER_LEVEL
GroupCallCenterEnhancedReportingGetTransaction	USER_LEVEL
GroupCallCenterEnhancedReportingGetTransaction19	USER_LEVEL
GroupCallCenterEnhancedReportingModifyTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingModifyTransaction19	GROUP_LEVEL
GroupCallCenterEnhancedReportingReportTemplateAddTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingReportTemplateDeleteTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingReportTemplateGetListTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingReportTemplateGetTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingReportTemplateModifyTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingScheduledReportAddTransaction	USER_LEVEL
GroupCallCenterEnhancedReportingScheduledReportDeleteTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingScheduledReportGetActiveListTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingScheduledReportGetCompletedListTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingScheduledReportGetListTransaction	USER_LEVEL
GroupCallCenterEnhancedReportingScheduledReportGetReportTemplateUsageListTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingScheduledReportGetTransaction	GROUP_LEVEL
GroupCallCenterEnhancedReportingScheduledReportModifyTransaction	GROUP_LEVEL
GroupCallCenterForcedForwardingGetTransaction	USER_LEVEL
GroupCallCenterForcedForwardingGetTransaction17	USER_LEVEL

Transaction	Authorization Level
GroupCallCenterForcedForwardingModifyTransaction	USER_LEVEL
GroupCallCenterForcedForwardingModifyTransaction17	USER_LEVEL
GroupCallCenterGetAgentListTransaction	USER_LEVEL
GroupCallCenterGetAnnouncementTransaction	USER_LEVEL
GroupCallCenterGetAnnouncementTransaction14sp6	USER_LEVEL
GroupCallCenterGetAnnouncementTransaction16	USER_LEVEL
GroupCallCenterGetAnnouncementTransaction17	USER_LEVEL
GroupCallCenterGetAnnouncementTransaction17sp4	USER_LEVEL
GroupCallCenterGetAnnouncementTransaction19	USER_LEVEL
GroupCallCenterGetAvailableAgentListTransaction	USER_LEVEL
GroupCallCenterGetAvailableSupervisorListTransaction	USER_LEVEL
GroupCallCenterGetAvailableUserListTransaction	USER_LEVEL
GroupCallCenterGetDistinctiveRingingTransaction	USER_LEVEL
GroupCallCenterGetDNISAgentListTransaction	USER_LEVEL
GroupCallCenterGetDNISAnnouncementTransaction	USER_LEVEL
GroupCallCenterGetDNISAnnouncementTransaction17sp4	USER_LEVEL
GroupCallCenterGetDNISAnnouncementTransaction19	USER_LEVEL
GroupCallCenterGetDNISListTransaction	USER_LEVEL
GroupCallCenterGetDNISTransaction	USER_LEVEL
GroupCallCenterGetInstanceListTransaction	USER_LEVEL
GroupCallCenterGetInstanceQueueStatusTransaction	USER_LEVEL
GroupCallCenterGetInstanceStatisticsReportingTransaction	USER_LEVEL
GroupCallCenterGetInstanceStatisticsReportingTransaction16	USER_LEVEL
GroupCallCenterGetInstanceStatisticsReportingTransaction17sp1	USER_LEVEL
GroupCallCenterGetInstanceStatisticsTransaction13mp8	USER_LEVEL
GroupCallCenterGetInstanceStatisticsTransaction14sp9	USER_LEVEL
GroupCallCenterGetInstanceTransaction14	USER_LEVEL
GroupCallCenterGetInstanceTransaction14sp3	USER_LEVEL
GroupCallCenterGetInstanceTransaction14sp9	USER_LEVEL
GroupCallCenterGetInstanceTransaction16	USER_LEVEL
GroupCallCenterGetInstanceTransaction17	USER_LEVEL
GroupCallCenterGetInstanceTransaction17sp1	USER_LEVEL
GroupCallCenterGetInstanceTransaction17sp3	USER_LEVEL
GroupCallCenterGetInstanceTransaction19	USER_LEVEL
GroupCallCenterGetRoutingPolicyTransaction	USER_LEVEL

Transaction	Authorization Level
GroupCallCenterGetSupervisorListTransaction	USER_LEVEL
GroupCallCenterGetSupervisorListTransaction16	USER_LEVEL
GroupCallCenterGetTransaction	USER_LEVEL
GroupCallCenterGetTransaction17sp4	USER_LEVEL
GroupCallCenterGetUnlicensedAgentListTransaction	USER_LEVEL
GroupCallCenterHolidayServiceGetTransaction	USER_LEVEL
GroupCallCenterHolidayServiceGetTransaction17	USER_LEVEL
GroupCallCenterHolidayServiceGetTransaction17sp1	USER_LEVEL
GroupCallCenterHolidayServiceModifyTransaction	USER_LEVEL
GroupCallCenterHolidayServiceModifyTransaction17	USER_LEVEL
GroupCallCenterHolidayServiceModifyTransaction17sp1	USER_LEVEL
GroupCallCenterModifyActiveInstanceListTransaction	USER_LEVEL
GroupCallCenterModifyAgentListTransaction	USER_LEVEL
GroupCallCenterModifyAnnouncementTransaction	USER_LEVEL
GroupCallCenterModifyAnnouncementTransaction14sp6	USER_LEVEL
GroupCallCenterModifyAnnouncementTransaction16	USER_LEVEL
GroupCallCenterModifyAnnouncementTransaction17	USER_LEVEL
GroupCallCenterModifyDistinctiveRingingTransaction	USER_LEVEL
GroupCallCenterModifyDNISAnnouncementTransaction	USER_LEVEL
GroupCallCenterModifyDNISParametersTransaction	USER_LEVEL
GroupCallCenterModifyDNISTransaction	USER_LEVEL
GroupCallCenterModifyInstanceStatisticsReportingTransaction	USER_LEVEL
GroupCallCenterModifyInstanceStatisticsReportingTransaction14sp9	USER_LEVEL
GroupCallCenterModifyInstanceStatisticsReportingTransaction17sp1	USER_LEVEL
GroupCallCenterModifyInstanceTransaction	USER_LEVEL
GroupCallCenterModifyInstanceTransaction16	USER_LEVEL
GroupCallCenterModifyInstanceTransaction17sp1	USER_LEVEL
GroupCallCenterModifyInstanceTransaction19	USER_LEVEL
GroupCallCenterModifyInstanceWeightedCallDistributionTransaction	GROUP_LEVEL
GroupCallCenterModifyRoutingPolicyTransaction	GROUP_LEVEL
GroupCallCenterModifySupervisorListTransaction	USER_LEVEL
GroupCallCenterModifySupervisorListTransaction16	USER_LEVEL
GroupCallCenterModifyTransaction	GROUP_LEVEL
GroupCallCenterNightServiceGetTransaction	USER_LEVEL

Transaction	Authorization Level
GroupCallCenterNightServiceGetTransaction17	USER_LEVEL
GroupCallCenterNightServiceGetTransaction17sp1	USER_LEVEL
GroupCallCenterNightServiceModifyTransaction	USER_LEVEL
GroupCallCenterNightServiceModifyTransaction17	USER_LEVEL
GroupCallCenterNightServiceModifyTransaction17sp1	USER_LEVEL
GroupCallCenterOverflowGetTransaction	USER_LEVEL
GroupCallCenterOverflowGetTransaction17	USER_LEVEL
GroupCallCenterOverflowModifyTransaction	USER_LEVEL
GroupCallCenterOverflowModifyTransaction17	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeAddTransaction	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeDeleteTransaction	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeGetListTransaction	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeGetTransaction	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeModifyTransaction	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeSettingsGetTransaction	USER_LEVEL
GroupCallCenterQueueCallDispositionCodeSettingsModifyTransaction	USER_LEVEL
GroupCallCenterQueueStatusNotificationGetTransaction	USER_LEVEL
GroupCallCenterQueueStatusNotificationModifyTransaction	USER_LEVEL
GroupCallCenterQueueThresholdsGetTransaction	USER_LEVEL
GroupCallCenterQueueThresholdsModifyTransaction	USER_LEVEL
GroupCallCenterStrandedCallGetTransaction	USER_LEVEL
GroupCallCenterStrandedCallGetTransaction17	USER_LEVEL
GroupCallCenterStrandedCallModifyTransaction	USER_LEVEL
GroupCallCenterStrandedCallModifyTransaction17	USER_LEVEL
GroupCallCenterStrandedCallUnavailableGetTransaction	USER_LEVEL
GroupCallCenterStrandedCallUnavailableModifyTransaction	USER_LEVEL
SystemCallCenterEnhancedReportingBrandingGetTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingBrandingModifyTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingDataTemplateGetListTransaction	GROUP_LEVEL
SystemCallCenterEnhancedReportingGetTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingModifyTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingReportTemplateAddTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingReportTemplateDeleteTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingReportTemplateGetListTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemCallCenterEnhancedReportingReportTemplateGetTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingReportTemplateModifyTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingScheduledReportGetActiveListTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingScheduledReportGetCompletedListTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingScheduledReportGetListTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingScheduledReportGetReportTemplateUsageListTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingScheduledTaskParametersGetTransaction	SYSTEM_LEVEL
SystemCallCenterEnhancedReportingScheduledTaskParametersModifyTransaction	SYSTEM_LEVEL
SystemCallCenterGetTransaction	USER_LEVEL
SystemCallCenterGetTransaction14sp9	USER_LEVEL
SystemCallCenterGetTransaction16	USER_LEVEL
SystemCallCenterGetTransaction17	USER_LEVEL
SystemCallCenterGetTransaction17sp4	USER_LEVEL
SystemCallCenterGetTransaction19	USER_LEVEL
SystemCallCenterModifyTransaction	SYSTEM_LEVEL
SystemCallCenterReportingServerGetListTransaction	USER_LEVEL
UserCallCenterAddSupervisedAgentListTransaction	USER_LEVEL
UserCallCenterAgentDetailsGetTransaction	USER_LEVEL
UserCallCenterAgentSignOutTransaction	USER_LEVEL
UserCallCenterCallDispositionCodeGetAvailableListTransaction	USER_LEVEL
UserCallCenterDeleteSupervisedAgentListTransaction	USER_LEVEL
UserCallCenterEnhancedReportingGenerateReportAuthenticationTransaction	USER_LEVEL
UserCallCenterEnhancedReportingReportTemplateParamInfoGetTransaction	USER_LEVEL
UserCallCenterEnhancedReportingScheduledReportDeleteTransaction	USER_LEVEL
UserCallCenterEnhancedReportingScheduledReportGetTransaction	USER_LEVEL
UserCallCenterEnhancedReportingScheduledReportModifyTransaction	USER_LEVEL
UserCallCenterGetAgentSupervisorListTransaction	USER_LEVEL
UserCallCenterGetAvailableCallCenterListTransaction	USER_LEVEL
UserCallCenterGetAvailableDNISListTransaction	USER_LEVEL
UserCallCenterGetListTransaction	USER_LEVEL
UserCallCenterGetSupervisedAgentListTransaction	USER_LEVEL
UserCallCenterGetSupervisorCallCenterListTransaction	USER_LEVEL

Transaction	Authorization Level
UserCallCenterGetTransaction	USER_LEVEL
UserCallCenterGetTransaction16	USER_LEVEL
UserCallCenterGetTransaction17	USER_LEVEL
UserCallCenterGetTransaction17sp4	USER_LEVEL
UserCallCenterGetTransaction19	USER_LEVEL
UserCallCenterModifyAvailabilityListTransaction	USER_LEVEL
UserCallCenterModifyCallCenterListTransaction	USER_LEVEL
UserCallCenterModifySupervisedAgentListTransaction	USER_LEVEL
UserCallCenterModifyTransaction	USER_LEVEL
UserCallCenterModifyTransaction17sp4	USER_LEVEL
UserCallCenterModifyTransaction19	USER_LEVEL
GroupCallCenterEnhancedGetTransaction	USER_LEVEL
GroupCallCenterEnhancedModifyTransaction	GROUP_LEVEL
UserCallCenterMonitoringGetTransaction	USER_LEVEL
UserCallCenterMonitoringModifyTransaction	USER_LEVEL
GroupCallCenterSupervisorReportingGetTransaction	USER_LEVEL
GroupCallCenterSupervisorReportingModifyTransaction	USER_LEVEL
UserCallForwardingAlwaysGetTransaction	USER_LEVEL
UserCallForwardingAlwaysModifyTransaction	USER_LEVEL
UserCallForwardingBusyGetTransaction	USER_LEVEL
UserCallForwardingBusyModifyTransaction	USER_LEVEL
UserCallForwardingNoAnswerGetTransaction13mp16	USER_LEVEL
UserCallForwardingNoAnswerModifyTransaction	USER_LEVEL
SystemCallForwardingNotReachableGetTransaction	SYSTEM_LEVEL
SystemCallForwardingNotReachableModifyTransaction	SYSTEM_LEVEL
UserCallForwardingNotReachableGetTransaction	USER_LEVEL
UserCallForwardingNotReachableModifyTransaction	USER_LEVEL
UserCallForwardingSelectiveAddCriteriaTransaction	USER_LEVEL
UserCallForwardingSelectiveAddCriteriaTransaction16	USER_LEVEL
UserCallForwardingSelectiveDeleteCriteriaTransaction	USER_LEVEL
UserCallForwardingSelectiveGetCriteriaTransaction	USER_LEVEL
UserCallForwardingSelectiveGetCriteriaTransaction16	USER_LEVEL
UserCallForwardingSelectiveGetTransaction	USER_LEVEL
UserCallForwardingSelectiveGetTransaction16	USER_LEVEL
UserCallForwardingSelectiveModifyCriteriaTransaction	USER_LEVEL

Transaction	Authorization Level
UserCallForwardingSelectiveModifyTransaction	USER_LEVEL
UserCallingLineIDBlockingOverrideGetTransaction	USER_LEVEL
UserCallingLineIDBlockingOverrideModifyTransaction	USER_LEVEL
UserCallingLineIDDeliveryBlockingGetTransaction	USER_LEVEL
UserCallingLineIDDeliveryBlockingModifyTransaction	USER_LEVEL
UserCallingNameDeliveryGetTransaction	USER_LEVEL
UserCallingNameDeliveryModifyTransaction	USER_LEVEL
UserCallingNumberDeliveryGetTransaction	USER_LEVEL
UserCallingNumberDeliveryModifyTransaction	USER_LEVEL
SystemCallingPartyCategoryAddTransaction	SYSTEM_LEVEL
SystemCallingPartyCategoryDeleteTransaction	SYSTEM_LEVEL
SystemCallingPartyCategoryGetListTransaction	USER_LEVEL
SystemCallingPartyCategoryGetTransaction	SYSTEM_LEVEL
SystemCallingPartyCategoryModifyTransaction	SYSTEM_LEVEL
UserCallingPartyCategoryGetTransaction	USER_LEVEL
UserCallingPartyCategoryGetTransaction16	USER_LEVEL
UserCallingPartyCategoryModifyTransaction	USER_LEVEL
UserCallingPartyCategoryModifyTransaction16	USER_LEVEL
GroupCallingPlanAddDigitPatternTransaction	GROUP_LEVEL
GroupCallingPlanDeleteDigitPatternListTransaction	GROUP_LEVEL
GroupCallingPlanGetDigitPatternListTransaction	USER_LEVEL
GroupCallingPlanModifyDigitPatternTransaction	GROUP_LEVEL
UserCallMeNowAddCriteriaTransaction	USER_LEVEL
UserCallMeNowDeleteCriteriaTransaction	USER_LEVEL
UserCallMeNowGetCriteriaTransaction	USER_LEVEL
UserCallMeNowGetTransaction	USER_LEVEL
UserCallMeNowModifyCriteriaTransaction	USER_LEVEL
UserCallMeNowModifyTransaction	USER_LEVEL
SystemCallNotifyGetTransaction	SYSTEM_LEVEL
SystemCallNotifyModifyTransaction	SYSTEM_LEVEL
UserCallNotifyAddCriteriaTransaction	USER_LEVEL
UserCallNotifyAddCriteriaTransaction16	USER_LEVEL
UserCallNotifyDeleteCriteriaTransaction	USER_LEVEL
UserCallNotifyGetCriteriaTransaction	USER_LEVEL
UserCallNotifyGetCriteriaTransaction16	USER_LEVEL

Transaction	Authorization Level
UserCallNotifyGetTransaction	USER_LEVEL
UserCallNotifyModifyCriteriaTransaction	USER_LEVEL
UserCallNotifyModifyTransaction	USER_LEVEL
GroupCallParkAddInstanceTransaction	GROUP_LEVEL
GroupCallParkAddInstanceTransaction16sp2	GROUP_LEVEL
GroupCallParkDeleteInstanceTransaction	GROUP_LEVEL
GroupCallParkGetAvailableAlternateRecallUserListTransaction	GROUP_LEVEL
GroupCallParkGetAvailableUserListTransaction	GROUP_LEVEL
GroupCallParkGetInstanceListTransaction	GROUP_LEVEL
GroupCallParkGetInstanceTransaction	GROUP_LEVEL
GroupCallParkGetInstanceTransaction16sp2	GROUP_LEVEL
GroupCallParkGetTransaction	GROUP_LEVEL
GroupCallParkGetTransaction16sp2	GROUP_LEVEL
GroupCallParkModifyInstanceTransaction	GROUP_LEVEL
GroupCallParkModifyTransaction	GROUP_LEVEL
UserCallParkGetTransaction	USER_LEVEL
GroupCallPickupAddInstanceTransaction	GROUP_LEVEL
GroupCallPickupDeleteInstanceTransaction	GROUP_LEVEL
GroupCallPickupGetAvailableUserListTransaction	GROUP_LEVEL
GroupCallPickupGetInstanceListTransaction	GROUP_LEVEL
GroupCallPickupGetInstanceTransaction	GROUP_LEVEL
GroupCallPickupModifyInstanceTransaction	GROUP_LEVEL
UserCallPickupGetTransaction	USER_LEVEL
GroupCallRecordingGetTransaction	GROUP_LEVEL
GroupCallRecordingModifyTransaction	GROUP_LEVEL
SystemCallRecordingAddPlatformTransaction	SYSTEM_LEVEL
SystemCallRecordingAddPlatformTransaction19	SYSTEM_LEVEL
SystemCallRecordingDeletePlatformTransaction	SYSTEM_LEVEL
SystemCallRecordingGetPlatformListTransaction	GROUP_LEVEL
SystemCallRecordingGetPlatformUsageTransaction	SYSTEM_LEVEL
SystemCallRecordingModifyPlatformTransaction	SYSTEM_LEVEL
UserCallRecordingGetTransaction	USER_LEVEL
UserCallRecordingModifyTransaction	USER_LEVEL
SystemCallReturnGetTransaction	SYSTEM_LEVEL
SystemCallReturnModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
UserCallTransferGetTransaction	USER_LEVEL
UserCallTransferGetTransaction14sp4	USER_LEVEL
UserCallTransferModifyTransaction	USER_LEVEL
SystemCallWaitingGetTransaction	SYSTEM_LEVEL
SystemCallWaitingModifyTransaction	SYSTEM_LEVEL
UserCallWaitingGetTransaction	USER_LEVEL
UserCallWaitingGetTransaction17sp4	USER_LEVEL
UserCallWaitingModifyTransaction	USER_LEVEL
UserChargeNumberGetTransaction	USER_LEVEL
UserChargeNumberGetTransaction14sp9	USER_LEVEL
UserChargeNumberModifyTransaction	USER_LEVEL
SystemClassmarkAddTransaction	SYSTEM_LEVEL
SystemClassmarkDeleteTransaction	SYSTEM_LEVEL
SystemClassmarkGetListTransaction	SERVICE_PROVIDER_LEVEL
SystemClassmarkGetUtilizationListTransaction	SYSTEM_LEVEL
SystemClassmarkModifyTransaction	SYSTEM_LEVEL
UserClassmarkGetTransaction	SERVICE_PROVIDER_LEVEL
UserClassmarkModifyTransaction	SERVICE_PROVIDER_LEVEL
SystemCallingNameRetrievalGetTransaction14	SYSTEM_LEVEL
SystemCallingNameRetrievalGetTransaction16sp1	SYSTEM_LEVEL
SystemCallingNameRetrievalGetTransaction17sp4	SYSTEM_LEVEL
SystemCallingNameRetrievalModifyTransaction	SYSTEM_LEVEL
SystemCallingNameRetrievalModifyTransaction16sp1	SYSTEM_LEVEL
UserCallingNameRetrievalGetTransaction	USER_LEVEL
UserCallingNameRetrievalModifyTransaction	USER_LEVEL
GroupCommPilotCallManagerGetTransaction	USER_LEVEL
GroupCommPilotCallManagerModifyTransaction	GROUP_LEVEL
UserCommPilotCallManagerGetClientTransaction	USER_LEVEL
UserCommPilotCallManagerGetTransaction	USER_LEVEL
UserCommPilotCallManagerModifyClientTransaction	USER_LEVEL
UserCommPilotCallManagerModifyTransaction	USER_LEVEL
UserCommPilotExpressGetTransaction	USER_LEVEL
UserCommPilotExpressModifyTransaction	USER_LEVEL
UserCommPilotExpressSRGetTransaction13mp16	USER_LEVEL
UserCommPilotExpressSRModifyTransaction	USER_LEVEL

Transaction	Authorization Level
SystemCommunicationBarringUserControlGetTransaction	SYSTEM_LEVEL
SystemCommunicationBarringUserControlModifyTransaction	SYSTEM_LEVEL
UserCommunicationBarringUserControlAccessAttemptTransaction	SYSTEM_LEVEL
UserCommunicationBarringUserControlGetTransaction	USER_LEVEL
UserCommunicationBarringUserControlModifyTransaction	USER_LEVEL
SystemConnectedLineIdentificationPresentationGetTransaction	SYSTEM_LEVEL
SystemConnectedLineIdentificationPresentationModifyTransaction	SYSTEM_LEVEL
UserConnectedLineIdentificationRestrictionGetTransaction	USER_LEVEL
UserConnectedLineIdentificationRestrictionModifyTransaction	USER_LEVEL
SystemCustomerOriginatedTraceGetTransaction	SYSTEM_LEVEL
SystemCustomerOriginatedTraceModifyTransaction	SYSTEM_LEVEL
UserSelectiveCallRejectionAddMaliciousCriteriaTransaction	SYSTEM_LEVEL
GroupCustomRingbackGroupGetTransaction	GROUP_LEVEL
GroupCustomRingbackGroupGetTransaction16	GROUP_LEVEL
GroupCustomRingbackGroupModifyTransaction	GROUP_LEVEL
GroupCustomRingbackGroupModifyTransaction16	GROUP_LEVEL
UserCustomRingbackUserAddCriteriaTransaction	USER_LEVEL
UserCustomRingbackUserAddCriteriaTransaction16	USER_LEVEL
UserCustomRingbackUserDeleteCriteriaTransaction	USER_LEVEL
UserCustomRingbackUserGetCriteriaListTransaction	USER_LEVEL
UserCustomRingbackUserGetCriteriaTransaction	USER_LEVEL
UserCustomRingbackUserGetCriteriaTransaction15sp2	USER_LEVEL
UserCustomRingbackUserGetCriteriaTransaction16	USER_LEVEL
UserCustomRingbackUserModifyActiveCriteriaListTransaction	USER_LEVEL
UserCustomRingbackUserModifyCriteriaTransaction	USER_LEVEL
UserCustomRingbackUserModifyCriteriaTransaction16	USER_LEVEL
UserDirectedCallPickupWithBargelnGetTransaction	USER_LEVEL
UserDirectedCallPickupWithBargelnGetTransaction14sp7	USER_LEVEL
UserDirectedCallPickupWithBargelnModifyTransaction	USER_LEVEL
GroupDirectoryNumberHuntingGetAvailableUserListTransaction	GROUP_LEVEL
GroupDirectoryNumberHuntingGetTransaction	GROUP_LEVEL
GroupDirectoryNumberHuntingModifyTransaction	GROUP_LEVEL
UserDoNotDisturbGetTransaction	USER_LEVEL
UserDoNotDisturbModifyTransaction	USER_LEVEL
UserDualModeVCCGetSubscriberPasswordTransaction	USER_LEVEL

Transaction	Authorization Level
UserDualModeVCCGetTransaction	USER_LEVEL
UserDualModeVCCModifyTransaction	USER_LEVEL
GroupEmergencyZonesAddHomeZoneListTransaction	GROUP_LEVEL
GroupEmergencyZonesDeleteHomeZoneListTransaction	GROUP_LEVEL
GroupEmergencyZonesGetHomeZoneListTransaction	GROUP_LEVEL
GroupEmergencyZonesGetTransaction	GROUP_LEVEL
GroupEmergencyZonesModifyHomeZoneListTransaction	GROUP_LEVEL
GroupEmergencyZonesModifyTransaction	GROUP_LEVEL
SystemEmergencyZonesGetTransaction	SYSTEM_LEVEL
SystemEmergencyZonesModifyTransaction	SYSTEM_LEVEL
EnterpriseEnhancedCallLogsGetListTransaction	SERVICE_PROVIDER_LEVEL
GroupEnhancedCallLogsGetListTransaction	GROUP_LEVEL
GroupEnhancedCallLogsSchemaInstanceGetTransaction	SYSTEM_LEVEL
GroupEnhancedCallLogsSchemaInstanceModifyTransaction	SYSTEM_LEVEL
ServiceProviderEnhancedCallLogsGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderEnhancedCallLogsGetTransaction17sp4	SERVICE_PROVIDER_LEVEL
ServiceProviderEnhancedCallLogsModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderEnhancedCallLogsSchemaInstanceGetTransaction	SYSTEM_LEVEL
ServiceProviderEnhancedCallLogsSchemaInstanceModifyTransaction	SYSTEM_LEVEL
SystemEnhancedCallLogsGetTransaction	SYSTEM_LEVEL
SystemEnhancedCallLogsGetTransaction17sp3	SYSTEM_LEVEL
SystemEnhancedCallLogsGetTransaction17sp4	SYSTEM_LEVEL
SystemEnhancedCallLogsModifyTransaction	SYSTEM_LEVEL
SystemEnhancedCallLogsSchemaInstanceGetListTransaction	SYSTEM_LEVEL
UserEnhancedCallLogsGetListTransaction	USER_LEVEL
UserEnhancedCallLogsGetListTransaction14sp4	USER_LEVEL
UserEnhancedCallLogsGetListTransaction16	USER_LEVEL
UserEnhancedCallLogsGetListTransaction17sp4	USER_LEVEL
UserExternalCallingLineIDDeliveryGetTransaction	USER_LEVEL
UserExternalCallingLineIDDeliveryModifyTransaction	USER_LEVEL
ServiceProviderExternalCustomRingbackGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderExternalCustomRingbackModifyTransaction	SERVICE_PROVIDER_LEVEL
UserExternalCustomRingbackGetTransaction	USER_LEVEL
UserExternalCustomRingbackModifyTransaction	USER_LEVEL
GroupThirdPartyVoiceMailSupportGetTransaction	GROUP_LEVEL

Transaction	Authorization Level
GroupThirdPartyVoiceMailSupportModifyTransaction	GROUP_LEVEL
SystemThirdPartyVoiceMailSupportAddDnTransaction	SYSTEM_LEVEL
SystemThirdPartyVoiceMailSupportDeleteDnTransaction	SYSTEM_LEVEL
SystemThirdPartyVoiceMailSupportGetDnListTransaction	SYSTEM_LEVEL
SystemThirdPartyVoiceMailSupportGetTransaction	USER_LEVEL
SystemThirdPartyVoiceMailSupportGetTransaction17sp4	USER_LEVEL
SystemThirdPartyVoiceMailSupportModifyDnTransaction	SYSTEM_LEVEL
SystemThirdPartyVoiceMailSupportModifyTransaction	SYSTEM_LEVEL
UserThirdPartyVoiceMailSupportGetTransaction13mp16	USER_LEVEL
UserThirdPartyVoiceMailSupportGetTransaction17	USER_LEVEL
UserThirdPartyVoiceMailSupportModifyTransaction	USER_LEVEL
UserFaxMessagingGetTransaction	USER_LEVEL
UserFaxMessagingGetTransaction17	USER_LEVEL
UserFaxMessagingGetTransaction17sp1	USER_LEVEL
UserFaxMessagingModifyTransaction	USER_LEVEL
GroupFindMeFollowMeAddAlertingGroupSelectiveCriteriaTransaction	GROUP_LEVEL
GroupFindMeFollowMeAddAlertingGroupTransaction	GROUP_LEVEL
GroupFindMeFollowMeAddInstanceTransaction	GROUP_LEVEL
GroupFindMeFollowMeAlertingGroupGetAvailableUserListTransaction	GROUP_LEVEL
GroupFindMeFollowMeDeleteAlertingGroupSelectiveCriteriaTransaction	GROUP_LEVEL
GroupFindMeFollowMeDeleteAlertingGroupTransaction	GROUP_LEVEL
GroupFindMeFollowMeDeleteInstanceTransaction	GROUP_LEVEL
GroupFindMeFollowMeGetAlertingGroupListTransaction	GROUP_LEVEL
GroupFindMeFollowMeGetAlertingGroupSelectiveCriteriaTransaction	GROUP_LEVEL
GroupFindMeFollowMeGetAlertingGroupTransaction	GROUP_LEVEL
GroupFindMeFollowMeGetInstanceListTransaction	GROUP_LEVEL
GroupFindMeFollowMeGetInstanceTransaction	GROUP_LEVEL
GroupFindMeFollowMeModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupFindMeFollowMeModifyAlertingGroupListTransaction	GROUP_LEVEL
GroupFindMeFollowMeModifyAlertingGroupSelectiveCriteriaTransaction	GROUP_LEVEL
GroupFindMeFollowMeModifyAlertingGroupTransaction	GROUP_LEVEL
GroupFindMeFollowMeModifyInstanceTransaction	GROUP_LEVEL
GroupGroupNightForwardingGetTransaction	USER_LEVEL
GroupGroupNightForwardingModifyTransaction	GROUP_LEVEL
SystemGroupNightForwardingGetTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemGroupNightForwardingModifyTransaction	SYSTEM_LEVEL
UserGroupNightForwardingGetTransaction	USER_LEVEL
UserGroupNightForwardingModifyTransaction	GROUP_LEVEL
GroupGroupPagingAddInstanceTransaction	GROUP_LEVEL
GroupGroupPagingAddOriginatorListTransaction	GROUP_LEVEL
GroupGroupPagingAddTargetListTransaction	GROUP_LEVEL
GroupGroupPagingDeleteInstanceTransaction	GROUP_LEVEL
GroupGroupPagingDeleteOriginatorListTransaction	GROUP_LEVEL
GroupGroupPagingDeleteTargetListTransaction	GROUP_LEVEL
GroupGroupPagingGetAvailableOriginatorListTransaction	GROUP_LEVEL
GroupGroupPagingGetAvailableTargetListTransaction	GROUP_LEVEL
GroupGroupPagingGetInstanceListTransaction	GROUP_LEVEL
GroupGroupPagingGetInstanceTransaction	GROUP_LEVEL
GroupGroupPagingGetInstanceTransaction17sp3	GROUP_LEVEL
GroupGroupPagingGetOriginatorListTransaction	GROUP_LEVEL
GroupGroupPagingGetTargetListTransaction	GROUP_LEVEL
GroupGroupPagingModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupGroupPagingModifyInstanceTransaction	GROUP_LEVEL
GroupGroupPagingModifyOriginatorListTransaction	GROUP_LEVEL
GroupGroupPagingModifyTargetListTransaction	GROUP_LEVEL
GroupGroupPagingTargetsCapacityGetTransaction	GROUP_LEVEL
GroupGroupPagingTargetsCapacityModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderGroupPagingTargetsCapacityGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderGroupPagingTargetsCapacityModifyTransaction	PROVISIONING_LEVEL
UserGroupPagingGetListTransaction	USER_LEVEL
UserHotelingGuestGetAvailableUserListTransaction	USER_LEVEL
UserHotelingGuestGetTransaction14	USER_LEVEL
UserHotelingGuestGetTransaction14sp2	USER_LEVEL
UserHotelingGuestGetTransaction14sp4	USER_LEVEL
UserHotelingGuestModifyTransaction	USER_LEVEL
UserHotelingHostGetTransaction14	USER_LEVEL
UserHotelingHostGetTransaction14sp4	USER_LEVEL
UserHotelingHostGetTransaction17	USER_LEVEL
UserHotelingHostModifyTransaction	USER_LEVEL
GroupHuntGroupAddInstanceTransaction14	GROUP_LEVEL

Transaction	Authorization Level
GroupHuntGroupAddInstanceTransaction17sp1v1	GROUP_LEVEL
GroupHuntGroupAddInstanceTransaction17sp3	GROUP_LEVEL
GroupHuntGroupAddInstanceTransaction17sp4	GROUP_LEVEL
GroupHuntGroupAddInstanceTransaction19	GROUP_LEVEL
GroupHuntGroupDeleteInstanceTransaction	GROUP_LEVEL
GroupHuntGroupGetAvailableUserListTransaction	GROUP_LEVEL
GroupHuntGroupGetInstanceListTransaction	GROUP_LEVEL
GroupHuntGroupGetInstanceTransaction14	GROUP_LEVEL
GroupHuntGroupGetInstanceTransaction17	GROUP_LEVEL
GroupHuntGroupGetInstanceTransaction17sp1v1	GROUP_LEVEL
GroupHuntGroupGetInstanceTransaction17sp3	GROUP_LEVEL
GroupHuntGroupGetInstanceTransaction17sp4	GROUP_LEVEL
GroupHuntGroupGetInstanceTransaction19	GROUP_LEVEL
GroupHuntGroupModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupHuntGroupModifyInstanceTransaction	GROUP_LEVEL
GroupHuntGroupModifyInstanceWeightedCallDistributionTransaction	GROUP_LEVEL
SystemHuntGroupGetTransaction	SYSTEM_LEVEL
SystemHuntGroupGetTransaction17	USER_LEVEL
SystemHuntGroupModifyTransaction	SYSTEM_LEVEL
SystemIntegratedIMPGetTransaction	SYSTEM_LEVEL
SystemIntegratedIMPGetTransaction19	SYSTEM_LEVEL
SystemIntegratedIMPModifyTransaction	SYSTEM_LEVEL
SystemThirdPartyIMPGetTransaction	SYSTEM_LEVEL
SystemThirdPartyIMPGetTransaction19	SYSTEM_LEVEL
SystemThirdPartyIMPModifyTransaction	SYSTEM_LEVEL
UserIMPGetTransaction	USER_LEVEL
ServiceProviderInCallServiceActivationGetTransaction	USER_LEVEL
ServiceProviderInCallServiceActivationGetTransaction17	USER_LEVEL
ServiceProviderInCallServiceActivationModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderInCallServiceActivationModifyTransaction17	SERVICE_PROVIDER_LEVEL
SystemInCallServiceActivationGetTransaction	SYSTEM_LEVEL
SystemInCallServiceActivationGetTransaction17	SYSTEM_LEVEL
SystemInCallServiceActivationModifyTransaction	SYSTEM_LEVEL
SystemInCallServiceActivationModifyTransaction17	SYSTEM_LEVEL
UserInCallServiceActivationGetTransaction	USER_LEVEL

Transaction	Authorization Level
UserInCallServiceActivationModifyTransaction	USER_LEVEL
GroupIncomingCallingPlanGetListTransaction	GROUP_LEVEL
GroupIncomingCallingPlanModifyListTransaction	GROUP_LEVEL
UserIncomingCallingPlanGetTransaction	USER_LEVEL
UserIncomingCallingPlanModifyTransaction	USER_LEVEL
UserINIntegrationGetTransaction	USER_LEVEL
UserINIntegrationModifyTransaction	USER_LEVEL
GroupInstantGroupCallAddInstanceTransaction14	GROUP_LEVEL
GroupInstantGroupCallDeleteInstanceTransaction	GROUP_LEVEL
GroupInstantGroupCallGetInstanceListTransaction	GROUP_LEVEL
GroupInstantGroupCallGetInstanceTransaction14	GROUP_LEVEL
GroupInstantGroupCallGetInstanceTransaction17	GROUP_LEVEL
GroupInstantGroupCallModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupInstantGroupCallModifyInstanceTransaction	GROUP_LEVEL
ServiceProviderIntegratedIMPGetTransaction	SYSTEM_LEVEL
ServiceProviderIntegratedIMPModifyTransaction	SYSTEM_LEVEL
UserIntegratedIMPGeneratePasswordTransaction	USER_LEVEL
UserIntegratedIMPGetTransaction	USER_LEVEL
UserIntegratedIMPModifyTransaction	USER_LEVEL
SystemIntelligentNetworkServiceControlGetTransaction14	SYSTEM_LEVEL
SystemIntelligentNetworkServiceControlModifyTransaction	SYSTEM_LEVEL
UserIntelligentNetworkServiceControlGetTransaction	USER_LEVEL
UserIntelligentNetworkServiceControlModifyTransaction	USER_LEVEL
GroupInterceptGroupGetTransaction	GROUP_LEVEL
GroupInterceptGroupGetTransaction16	GROUP_LEVEL
GroupInterceptGroupGetTransaction16sp1	GROUP_LEVEL
GroupInterceptGroupModifyTransaction	GROUP_LEVEL
GroupInterceptGroupModifyTransaction16	GROUP_LEVEL
SystemInterceptUserAddDnListTransaction	SYSTEM_LEVEL
SystemInterceptUserDeleteDnListTransaction	SYSTEM_LEVEL
SystemInterceptUserGetDnListTransaction	SYSTEM_LEVEL
SystemInterceptUserGetTransaction	SYSTEM_LEVEL
SystemInterceptUserModifyDnTransaction	SYSTEM_LEVEL
SystemInterceptUserModifyTransaction	SYSTEM_LEVEL
UserInterceptUserGetTransaction	USER_LEVEL

Transaction	Authorization Level
UserInterceptUserGetTransaction16	USER_LEVEL
UserInterceptUserGetTransaction16sp1	USER_LEVEL
UserInterceptUserModifyTransaction	USER_LEVEL
UserInterceptUserModifyTransaction16	USER_LEVEL
UserInternalCallingLineIDDeliveryGetTransaction	USER_LEVEL
UserInternalCallingLineIDDeliveryModifyTransaction	USER_LEVEL
GroupInventoryReportGetTransaction	GROUP_LEVEL
SystemInventoryReportGetTransaction	SYSTEM_LEVEL
SystemInventoryReportModifyTransaction	SYSTEM_LEVEL
GroupLDAPIntegrationGetDirectoryTransaction	GROUP_LEVEL
GroupLDAPIntegrationGetTransaction	GROUP_LEVEL
GroupLDAPIntegrationModifyDirectoryTransaction	GROUP_LEVEL
GroupLDAPIntegrationModifyTransaction	GROUP_LEVEL
ServiceProviderLDAPIntegrationGetDirectoryTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderLDAPIntegrationModifyDirectoryTransaction	SERVICE_PROVIDER_LEVEL
SystemLDAPIntegrationGetDirectoryTransaction	SYSTEM_LEVEL
SystemLDAPIntegrationModifyDirectoryTransaction	SYSTEM_LEVEL
UserLDAPIntegrationGetDirectoryEntryTransaction	USER_LEVEL
UserLDAPIntegrationGetDirectoryListTransaction	USER_LEVEL
SystemLegacyAutomaticCallbackGetLineTypeListTransaction	SYSTEM_LEVEL
SystemLegacyAutomaticCallbackGetTransaction	SYSTEM_LEVEL
SystemLegacyAutomaticCallbackModifyLineTypeTransaction	SYSTEM_LEVEL
SystemLegacyAutomaticCallbackModifyTransaction	SYSTEM_LEVEL
UserLegacyAutomaticCallbackGetTransaction	USER_LEVEL
UserLegacyAutomaticCallbackModifyTransaction	USER_LEVEL
SystemLocationBasedCallingRestrictionsGetTransaction	SYSTEM_LEVEL
SystemLocationBasedCallingRestrictionsGetTransaction17sp3	SYSTEM_LEVEL
SystemLocationBasedCallingRestrictionsModifyTransaction	SYSTEM_LEVEL
ServiceProviderMaliciousCallTraceGetTransaction	PROVISIONING_LEVEL
ServiceProviderMaliciousCallTraceModifyTransaction	PROVISIONING_LEVEL
SystemMaliciousCallTraceGetTransaction	SYSTEM_LEVEL
SystemMaliciousCallTraceGetUserListTransaction	SYSTEM_LEVEL
SystemMaliciousCallTraceModifyTransaction	SYSTEM_LEVEL
UserMaliciousCallTraceGetTransaction	SYSTEM_LEVEL
UserMaliciousCallTraceModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
GroupMeetMeConferencingAddInstanceTransaction	GROUP_LEVEL
GroupMeetMeConferencingAddInstanceTransaction18	GROUP_LEVEL
GroupMeetMeConferencingAddInstanceTransaction19	GROUP_LEVEL
GroupMeetMeConferencingDeleteInstanceTransaction	GROUP_LEVEL
GroupMeetMeConferencingGetAvailableUserListTransaction	GROUP_LEVEL
GroupMeetMeConferencingGetInstanceListTransaction	GROUP_LEVEL
GroupMeetMeConferencingGetInstanceTransaction	USER_LEVEL
GroupMeetMeConferencingGetInstanceTransaction17sp3	USER_LEVEL
GroupMeetMeConferencingGetInstanceTransaction17sp4	USER_LEVEL
GroupMeetMeConferencingGetInstanceTransaction18	USER_LEVEL
GroupMeetMeConferencingGetInstanceTransaction19	USER_LEVEL
GroupMeetMeConferencingGetTransaction	GROUP_LEVEL
GroupMeetMeConferencingModifyActiveInstanceListTransaction	GROUP_LEVEL
GroupMeetMeConferencingModifyInstanceTransaction	GROUP_LEVEL
GroupMeetMeConferencingModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderMeetMeConferencingGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderMeetMeConferencingModifyTransaction	PROVISIONING_LEVEL
SystemMeetMeConferencingGetTransaction	SYSTEM_LEVEL
SystemMeetMeConferencingGetTransaction17sp3	SYSTEM_LEVEL
SystemMeetMeConferencingGetTransaction18	USER_LEVEL
SystemMeetMeConferencingGetTransaction19	USER_LEVEL
SystemMeetMeConferencingModifyTransaction	SYSTEM_LEVEL
SystemMeetMeConferencingXSGetTransaction	SYSTEM_LEVEL
SystemMeetMeConferencingXSModifyTransaction	SYSTEM_LEVEL
UserMeetMeConferencingAddConferenceTransaction	USER_LEVEL
UserMeetMeConferencingAddConferenceTransaction19	USER_LEVEL
UserMeetMeConferencingDeleteConferenceListTransaction	USER_LEVEL
UserMeetMeConferencingDeleteConferenceRecordingListTransaction	USER_LEVEL
UserMeetMeConferencingGetAvailableDelegateListTransaction	USER_LEVEL
UserMeetMeConferencingGetBridgeListTransaction	USER_LEVEL
UserMeetMeConferencingGetConferenceDelegateListTransaction	USER_LEVEL
UserMeetMeConferencingGetConferenceGreetingTransaction	USER_LEVEL
UserMeetMeConferencingGetConferenceListTransaction	USER_LEVEL
UserMeetMeConferencingGetConferenceRecordingListTransaction	USER_LEVEL
UserMeetMeConferencingGetConferenceTransaction	USER_LEVEL

Transaction	Authorization Level
UserMeetMeConferencingGetConferenceTransaction19	USER_LEVEL
UserMeetMeConferencingModifyConferenceDelegateListTransaction	USER_LEVEL
UserMeetMeConferencingModifyConferenceGreetingTransaction	USER_LEVEL
UserMeetMeConferencingModifyConferenceTransaction	USER_LEVEL
GroupMusicOnHoldAddInstanceTransaction14	GROUP_LEVEL
GroupMusicOnHoldAddInstanceTransaction14sp4	GROUP_LEVEL
GroupMusicOnHoldAddInstanceTransaction14sp6	GROUP_LEVEL
GroupMusicOnHoldAddInstanceTransaction16	GROUP_LEVEL
GroupMusicOnHoldDeleteInstanceTransaction	GROUP_LEVEL
GroupMusicOnHoldGetDepartmentListTransaction	GROUP_LEVEL
GroupMusicOnHoldGetInstanceTransaction14	GROUP_LEVEL
GroupMusicOnHoldGetInstanceTransaction14sp4	GROUP_LEVEL
GroupMusicOnHoldGetInstanceTransaction14sp6	GROUP_LEVEL
GroupMusicOnHoldGetInstanceTransaction16	GROUP_LEVEL
GroupMusicOnHoldGetInstanceTransaction19	GROUP_LEVEL
GroupMusicOnHoldModifyInstanceTransaction14	GROUP_LEVEL
GroupMusicOnHoldModifyInstanceTransaction14sp6	GROUP_LEVEL
GroupMusicOnHoldModifyInstanceTransaction16	GROUP_LEVEL
SystemMusicOnHoldGetTransaction	SYSTEM_LEVEL
SystemMusicOnHoldModifyTransaction	SYSTEM_LEVEL
UserMusicOnHoldGetTransaction	USER_LEVEL
UserMusicOnHoldModifyTransaction	USER_LEVEL
UserMusicOnHoldUserGetTransaction	USER_LEVEL
UserMusicOnHoldUserGetTransaction16	USER_LEVEL
UserMusicOnHoldUserModifyTransaction	USER_LEVEL
UserMusicOnHoldUserModifyTransaction16	USER_LEVEL
UserMWIDeliveryToMobileEndpointGetTransaction	USER_LEVEL
UserMWIDeliveryToMobileEndpointModifyTransaction	USER_LEVEL
GroupOutgoingCallingPlanAuthorizationCodeGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanCallMeNowGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanCallMeNowModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDepartmentAuthorizationCodeAddListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDepartmentAuthorizationCodeDeleteListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDepartmentAuthorizationCodeGetListTransaction	USER_LEVEL

Transaction	Authorization Level
GroupOutgoingCallingPlanDigitPlanCallMeNowGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDigitPlanCallMeNowModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDigitPlanOriginatingGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDigitPlanOriginatingModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDigitPlanRedirectingGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanDigitPlanRedirectingModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanOriginatingGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanOriginatingModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPatternAddTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPatternDeleteListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPatternGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPatternModifyTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPlanOriginatingGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPlanOriginatingModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPlanRedirectingGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanPinholeDigitPlanRedirectingModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanRedirectedGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanRedirectedModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanRedirectingGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanRedirectingModifyListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanTransferNumbersGetListTransaction	GROUP_LEVEL
GroupOutgoingCallingPlanTransferNumbersModifyListTransaction	GROUP_LEVEL
SystemOutgoingCallingPlanCallTypeAddMappingTransaction	SYSTEM_LEVEL
SystemOutgoingCallingPlanCallTypeDeleteMappingTransaction	SYSTEM_LEVEL
SystemOutgoingCallingPlanCallTypeGetListTransaction	SYSTEM_LEVEL
SystemOutgoingCallingPlanCallTypeGetMappingListTransaction	SYSTEM_LEVEL
SystemOutgoingCallingPlanGetTransaction	USER_LEVEL
SystemOutgoingCallingPlanGetTransaction17Sp3	USER_LEVEL
SystemOutgoingCallingPlanModifyTransaction	SYSTEM_LEVEL
UserOutgoingCallingPlanAuthorizationCodeAddListTransaction	USER_LEVEL
UserOutgoingCallingPlanAuthorizationCodeDeleteListTransaction	USER_LEVEL
UserOutgoingCallingPlanAuthorizationCodeGetListTransaction	USER_LEVEL

Transaction	Authorization Level
UserOutgoingCallingPlanAuthorizationCodeGetTransaction	USER_LEVEL
UserOutgoingCallingPlanAuthorizationCodeModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanCallMeNowGetTransaction	USER_LEVEL
UserOutgoingCallingPlanCallMeNowModifyTransaction	GROUP_LEVEL
UserOutgoingCallingPlanDigitPlanCallMeNowGetTransaction	USER_LEVEL
UserOutgoingCallingPlanDigitPlanCallMeNowModifyTransaction	GROUP_LEVEL
UserOutgoingCallingPlanDigitPlanOriginatingGetTransaction	USER_LEVEL
UserOutgoingCallingPlanDigitPlanOriginatingModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanDigitPlanRedirectingGetTransaction	USER_LEVEL
UserOutgoingCallingPlanDigitPlanRedirectingModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanOriginatingGetTransaction	USER_LEVEL
UserOutgoingCallingPlanOriginatingModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanPinholeDigitPlanCallMeNowGetTransaction	USER_LEVEL
UserOutgoingCallingPlanPinholeDigitPlanCallMeNowModifyTransaction	GROUP_LEVEL
UserOutgoingCallingPlanPinholeDigitPlanOriginatingGetTransaction	USER_LEVEL
UserOutgoingCallingPlanPinholeDigitPlanOriginatingModifyTransaction	GROUP_LEVEL
UserOutgoingCallingPlanPinholeDigitPlanRedirectingGetTransaction	USER_LEVEL
UserOutgoingCallingPlanPinholeDigitPlanRedirectingModifyTransaction	GROUP_LEVEL
UserOutgoingCallingPlanRedirectedGetTransaction	USER_LEVEL
UserOutgoingCallingPlanRedirectedModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanRedirectingGetTransaction	USER_LEVEL
UserOutgoingCallingPlanRedirectingModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanSustainedAuthorizationCodeGetTransaction	USER_LEVEL
UserOutgoingCallingPlanSustainedAuthorizationCodeModifyTransaction	USER_LEVEL
UserOutgoingCallingPlanTransferNumbersGetTransaction	USER_LEVEL
UserOutgoingCallingPlanTransferNumbersModifyTransaction	USER_LEVEL
UserOutlookIntegrationGetTransaction	USER_LEVEL
UserOutlookIntegrationModifyTransaction	USER_LEVEL
SystemPhysicalLocationGetTransaction	SYSTEM_LEVEL
SystemPhysicalLocationModifyTransaction	SYSTEM_LEVEL
UserPhysicalLocationGetTransaction	USER_LEVEL
UserPhysicalLocationModifyTransaction	USER_LEVEL
GroupPolycomPhoneServicesGetTransaction	USER_LEVEL
GroupPolycomPhoneServicesModifyTransaction	USER_LEVEL
UserPolycomPhoneServicesGetPrimaryEndpointListTransaction	USER_LEVEL

Transaction	Authorization Level
UserPolycomPhoneServicesGetTransaction	USER_LEVEL
UserPolycomPhoneServicesModifyTransaction	USER_LEVEL
EnterprisePreAlertingAnnouncementGetTransaction	SERVICE_PROVIDER_LEVEL
EnterprisePreAlertingAnnouncementModifyTransaction	SERVICE_PROVIDER_LEVEL
GroupPreAlertingAnnouncementGetTransaction	GROUP_LEVEL
GroupPreAlertingAnnouncementModifyTransaction	GROUP_LEVEL
UserPreAlertingAnnouncementAddCriteriaTransaction	USER_LEVEL
UserPreAlertingAnnouncementDeleteCriteriaTransaction	USER_LEVEL
UserPreAlertingAnnouncementGetCriteriaTransaction	USER_LEVEL
UserPreAlertingAnnouncementGetTransaction	USER_LEVEL
UserPreAlertingAnnouncementModifyCriteriaTransaction	USER_LEVEL
UserPreAlertingAnnouncementModifyTransaction	USER_LEVEL
GroupPreferredCarrierGroupGetTransaction	GROUP_LEVEL
GroupPreferredCarrierGroupModifyTransaction	GROUP_LEVEL
ServiceProviderPreferredCarrierAddTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPreferredCarrierDeleteTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPreferredCarrierGetAvailableCountryCodeListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPreferredCarrierGetCarrierListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPreferredCarrierGetListTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPreferredCarrierGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderPreferredCarrierModifyTransaction	SERVICE_PROVIDER_LEVEL
SystemPreferredCarrierAddTransaction	PROVISIONING_LEVEL
SystemPreferredCarrierDeleteTransaction	PROVISIONING_LEVEL
SystemPreferredCarrierGetGroupListTransaction	PROVISIONING_LEVEL
SystemPreferredCarrierGetListTransaction	USER_LEVEL
SystemPreferredCarrierGetTransaction	PROVISIONING_LEVEL
SystemPreferredCarrierGetUserListTransaction	SYSTEM_LEVEL
SystemPreferredCarrierModifyTransaction	SYSTEM_LEVEL
UserPreferredCarrierUserGetTransaction	USER_LEVEL
UserPreferredCarrierUserModifyTransaction	USER_LEVEL
UserPrepaidGetTransaction	USER_LEVEL
UserPrepaidModifyTransaction	SERVICE_PROVIDER_LEVEL
UserPriorityAlertAddCriteriaTransaction	USER_LEVEL
UserPriorityAlertAddCriteriaTransaction16	USER_LEVEL
UserPriorityAlertDeleteCriteriaTransaction	USER_LEVEL

Transaction	Authorization Level
UserPriorityAlertGetCriteriaListTransaction	USER_LEVEL
UserPriorityAlertGetCriteriaTransaction	USER_LEVEL
UserPriorityAlertGetCriteriaTransaction16	USER_LEVEL
UserPriorityAlertModifyActiveCriteriaListTransaction	USER_LEVEL
UserPriorityAlertModifyCriteriaTransaction	USER_LEVEL
GroupServiceInstancePrivacyGetTransaction	USER_LEVEL
GroupServiceInstancePrivacyGetTransaction17sp4	USER_LEVEL
GroupServiceInstancePrivacyModifyTransaction	USER_LEVEL
UserPrivacyGetAvailableMonitorsUserListTransaction	USER_LEVEL
UserPrivacyGetTransaction	USER_LEVEL
UserPrivacyGetTransaction13Mp17	USER_LEVEL
UserPrivacyModifyTransaction	USER_LEVEL
UserPushToTalkGetAvailableUserListTransaction	USER_LEVEL
UserPushToTalkGetTransaction	USER_LEVEL
UserPushToTalkModifyTransaction	USER_LEVEL
SystemBroadWorksReceptionistEnterpriseGetTransaction	SYSTEM_LEVEL
SystemBroadWorksReceptionistEnterpriseModifyTransaction	SYSTEM_LEVEL
UserBroadWorksReceptionistEnterpriseAddUserListTransaction	USER_LEVEL
UserBroadWorksReceptionistEnterpriseDeleteUserListTransaction	USER_LEVEL
UserBroadWorksReceptionistEnterpriseGetAvailableUserListTransaction	USER_LEVEL
UserBroadWorksReceptionistEnterpriseGetTransaction	USER_LEVEL
UserBroadWorksReceptionistEnterpriseModifyTransaction	USER_LEVEL
UserBroadWorksReceptionistOfficeGetAvailableUserListTransaction	USER_LEVEL
UserBroadWorksReceptionistOfficeGetTransaction	USER_LEVEL
UserBroadWorksReceptionistOfficeModifyTransaction	USER_LEVEL
UserBroadWorksReceptionistSmallBusinessGetAvailableUserListTransaction	USER_LEVEL
UserBroadWorksReceptionistSmallBusinessGetTransaction	USER_LEVEL
UserBroadWorksReceptionistSmallBusinessModifyTransaction	USER_LEVEL
UserRemoteOfficeGetTransaction	USER_LEVEL
UserRemoteOfficeModifyTransaction	USER_LEVEL
GroupRoutePointAddDNISTransaction	USER_LEVEL
GroupRoutePointAddInstanceTransaction	GROUP_LEVEL
GroupRoutePointBouncedCallGetTransaction	USER_LEVEL
GroupRoutePointBouncedCallModifyTransaction	USER_LEVEL
GroupRoutePointDeleteDNISTransaction	USER_LEVEL

Transaction	Authorization Level
GroupRoutePointDeleteInstanceTransaction	GROUP_LEVEL
GroupRoutePointDistinctiveRingingGetTransaction	USER_LEVEL
GroupRoutePointDistinctiveRingingModifyTransaction	USER_LEVEL
GroupRoutePointForcedForwardingGetTransaction	USER_LEVEL
GroupRoutePointForcedForwardingModifyTransaction	USER_LEVEL
GroupRoutePointGetAnnouncementTransaction	USER_LEVEL
GroupRoutePointGetAnnouncementTransaction19	USER_LEVEL
GroupRoutePointGetDNISAgentListTransaction	USER_LEVEL
GroupRoutePointGetDNISAnnouncementTransaction	USER_LEVEL
GroupRoutePointGetDNISAnnouncementTransaction19	USER_LEVEL
GroupRoutePointGetDNISListTransaction	USER_LEVEL
GroupRoutePointGetDNISTransaction	USER_LEVEL
GroupRoutePointGetFailoverPolicyTransaction	USER_LEVEL
GroupRoutePointGetInstanceListTransaction	USER_LEVEL
GroupRoutePointGetInstanceTransaction	USER_LEVEL
GroupRoutePointHolidayServiceGetTransaction	USER_LEVEL
GroupRoutePointHolidayServiceGetTransaction17sp1	USER_LEVEL
GroupRoutePointHolidayServiceModifyTransaction	USER_LEVEL
GroupRoutePointHolidayServiceModifyTransaction17sp1	USER_LEVEL
GroupRoutePointManualFailoverTransaction	USER_LEVEL
GroupRoutePointModifyActiveInstanceListTransaction	USER_LEVEL
GroupRoutePointModifyAnnouncementTransaction	USER_LEVEL
GroupRoutePointModifyDNISAnnouncementTransaction	USER_LEVEL
GroupRoutePointModifyDNISParametersTransaction	USER_LEVEL
GroupRoutePointModifyDNISTransaction	USER_LEVEL
GroupRoutePointModifyFailoverPolicyTransaction	USER_LEVEL
GroupRoutePointModifyInstanceTransaction	USER_LEVEL
GroupRoutePointNightServiceGetTransaction	USER_LEVEL
GroupRoutePointNightServiceGetTransaction17sp1	USER_LEVEL
GroupRoutePointNightServiceModifyTransaction	USER_LEVEL
GroupRoutePointNightServiceModifyTransaction17sp1	USER_LEVEL
GroupRoutePointOverflowGetTransaction	USER_LEVEL
GroupRoutePointOverflowModifyTransaction	USER_LEVEL
GroupRoutePointQueueCallDispositionCodeAddTransaction	USER_LEVEL
GroupRoutePointQueueCallDispositionCodeDeleteTransaction	USER_LEVEL

Transaction	Authorization Level
GroupRoutePointQueueCallDispositionCodeGetListTransaction	USER_LEVEL
GroupRoutePointQueueCallDispositionCodeGetTransaction	USER_LEVEL
GroupRoutePointQueueCallDispositionCodeModifyTransaction	USER_LEVEL
GroupRoutePointQueueCallDispositionCodeSettingsGetTransaction	USER_LEVEL
GroupRoutePointQueueCallDispositionCodeSettingsModifyTransaction	USER_LEVEL
UserRoutePointCallDispositionCodeGetAvailableListTransaction	USER_LEVEL
UserRoutePointSupervisorGetListTransaction	USER_LEVEL
UserRoutePointSupervisorModifyListTransaction	USER_LEVEL
UserSelectiveCallAcceptanceAddCriteriaTransaction	USER_LEVEL
UserSelectiveCallAcceptanceAddCriteriaTransaction16	USER_LEVEL
UserSelectiveCallAcceptanceDeleteCriteriaTransaction	USER_LEVEL
UserSelectiveCallAcceptanceGetCriteriaListTransaction	USER_LEVEL
UserSelectiveCallAcceptanceGetCriteriaTransaction	USER_LEVEL
UserSelectiveCallAcceptanceGetCriteriaTransaction16	USER_LEVEL
UserSelectiveCallAcceptanceModifyActiveCriteriaListTransaction	USER_LEVEL
UserSelectiveCallAcceptanceModifyCriteriaTransaction	USER_LEVEL
UserSelectiveCallRejectionAddCriteriaTransaction	USER_LEVEL
UserSelectiveCallRejectionAddCriteriaTransaction16	USER_LEVEL
UserSelectiveCallRejectionDeleteCriteriaTransaction	USER_LEVEL
UserSelectiveCallRejectionGetCriteriaListTransaction	USER_LEVEL
UserSelectiveCallRejectionGetCriteriaTransaction	USER_LEVEL
UserSelectiveCallRejectionGetCriteriaTransaction16	USER_LEVEL
UserSelectiveCallRejectionGetCriteriaTransaction16sp1	USER_LEVEL
UserSelectiveCallRejectionModifyActiveCriteriaListTransaction	USER_LEVEL
UserSelectiveCallRejectionModifyCriteriaTransaction	USER_LEVEL
UserSelectiveCallRejectionModifyCriteriaTransaction16	USER_LEVEL
UserSequentialRingAddCriteriaTransaction	USER_LEVEL
UserSequentialRingAddCriteriaTransaction16	USER_LEVEL
UserSequentialRingDeleteCriteriaTransaction	USER_LEVEL
UserSequentialRingGetCriteriaTransaction	USER_LEVEL
UserSequentialRingGetCriteriaTransaction16	USER_LEVEL
UserSequentialRingGetTransaction13mp16	USER_LEVEL
UserSequentialRingGetTransaction14sp4	USER_LEVEL
UserSequentialRingModifyCriteriaTransaction	USER_LEVEL
UserSequentialRingModifyTransaction	USER_LEVEL

Transaction	Authorization Level
GroupSeriesCompletionAddInstanceTransaction	GROUP_LEVEL
GroupSeriesCompletionDeleteInstanceTransaction	GROUP_LEVEL
GroupSeriesCompletionGetAvailableUserListTransaction	GROUP_LEVEL
GroupSeriesCompletionGetInstanceListTransaction	GROUP_LEVEL
GroupSeriesCompletionGetInstanceTransaction	GROUP_LEVEL
GroupSeriesCompletionModifyInstanceTransaction	GROUP_LEVEL
UserSeriesCompletionGetTransaction	USER_LEVEL
GroupServiceScriptsGroupClearLogTransaction	GROUP_LEVEL
GroupServiceScriptsGroupGetLogTransaction	GROUP_LEVEL
GroupServiceScriptsGroupGetTransaction	GROUP_LEVEL
GroupServiceScriptsGroupModifyTransaction	GROUP_LEVEL
UserServiceScriptsUserClearLogTransaction	USER_LEVEL
UserServiceScriptsUserGetLogTransaction	USER_LEVEL
UserServiceScriptsUserGetTransaction	USER_LEVEL
UserServiceScriptsUserModifyTransaction	USER_LEVEL
UserSharedCallAppearanceAddEndpointTransaction14	USER_LEVEL
UserSharedCallAppearanceAddEndpointTransaction14sp2	USER_LEVEL
UserSharedCallAppearanceDeleteEndpointListTransaction14	USER_LEVEL
UserSharedCallAppearanceGetEndpointTransaction	USER_LEVEL
UserSharedCallAppearanceGetTransaction14	USER_LEVEL
UserSharedCallAppearanceGetTransaction14sp2	USER_LEVEL
UserSharedCallAppearanceGetTransaction16sp2	USER_LEVEL
UserSharedCallAppearanceModifyEndpointTransaction	USER_LEVEL
UserSharedCallAppearanceModifyTransaction	USER_LEVEL
UserSimultaneousRingFamilyAddCriteriaTransaction	USER_LEVEL
UserSimultaneousRingFamilyAddPhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingFamilyDeleteCriteriaTransaction	USER_LEVEL
UserSimultaneousRingFamilyDeletePhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingFamilyGetCriteriaTransaction	USER_LEVEL
UserSimultaneousRingFamilyGetPhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingFamilyGetTransaction	USER_LEVEL
UserSimultaneousRingFamilyGetTransaction14sp4	USER_LEVEL
UserSimultaneousRingFamilyGetTransaction17	USER_LEVEL
UserSimultaneousRingFamilyModifyCriteriaTransaction	USER_LEVEL
UserSimultaneousRingFamilyModifyPhoneNumberTransaction	USER_LEVEL

Transaction	Authorization Level
UserSimultaneousRingFamilyModifyTransaction	USER_LEVEL
UserSimultaneousRingFamilyModifyTransaction14sp4	USER_LEVEL
UserSimultaneousRingFamilyModifyTransaction17	USER_LEVEL
UserSimultaneousRingPersonalAddCriteriaTransaction	USER_LEVEL
UserSimultaneousRingPersonalAddPhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingPersonalDeleteCriteriaTransaction	USER_LEVEL
UserSimultaneousRingPersonalDeletePhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingPersonalGetCriteriaTransaction	USER_LEVEL
UserSimultaneousRingPersonalGetPhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingPersonalGetTransaction	USER_LEVEL
UserSimultaneousRingPersonalGetTransaction14sp4	USER_LEVEL
UserSimultaneousRingPersonalGetTransaction17	USER_LEVEL
UserSimultaneousRingPersonalModifyCriteriaTransaction	USER_LEVEL
UserSimultaneousRingPersonalModifyPhoneNumberTransaction	USER_LEVEL
UserSimultaneousRingPersonalModifyTransaction	USER_LEVEL
UserSimultaneousRingPersonalModifyTransaction14sp4	USER_LEVEL
UserSimultaneousRingPersonalModifyTransaction17	USER_LEVEL
SystemSMDIMessageDeskAddServerRouteTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskAddServerTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskDeleteServerRouteTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskDeleteServerTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskGetServerListTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskGetServerRouteListTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskModifyServerRouteTransaction	SYSTEM_LEVEL
SystemSMDIMessageDeskModifyServerTransaction	SYSTEM_LEVEL
UserSMDIMessageDeskAddServerTransaction	GROUP_LEVEL
UserSMDIMessageDeskDeleteServerListTransaction	GROUP_LEVEL
UserSMDIMessageDeskGetServerListTransaction	GROUP_LEVEL
UserSMDIMessageDeskGetTransaction	GROUP_LEVEL
UserSMDIMessageDeskModifyTransaction	GROUP_LEVEL
GroupSpeedDial100GetTransaction	USER_LEVEL
GroupSpeedDial100GetTransaction17sp1	USER_LEVEL
GroupSpeedDial100ModifyTransaction	GROUP_LEVEL
SystemSpeedDial100GetTransaction	SYSTEM_LEVEL
SystemSpeedDial100GetTransaction17sp1	SYSTEM_LEVEL

Transaction	Authorization Level
SystemSpeedDial100ModifyTransaction	SYSTEM_LEVEL
UserSpeedDial100AddListTransaction	USER_LEVEL
UserSpeedDial100DeleteListTransaction	USER_LEVEL
UserSpeedDial100GetListTransaction	USER_LEVEL
UserSpeedDial100GetListTransaction17sp1	USER_LEVEL
UserSpeedDial100GetTransaction	USER_LEVEL
UserSpeedDial100ModifyListTransaction	USER_LEVEL
UserSpeedDial8GetListTransaction	USER_LEVEL
UserSpeedDial8ModifyListTransaction	USER_LEVEL
User3G4GContinuityGetTransaction	USER_LEVEL
User3G4GContinuityModifyTransaction	USER_LEVEL
EnterpriseEnterpriseTrunkAddTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkAddUserListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkDeleteTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkDeleteUserListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkGetAvailableTrunkGroupListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkGetAvailableUserListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkGetListTransaction	GROUP_LEVEL
EnterpriseEnterpriseTrunkGetTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkGetUserListTransaction	SERVICE_PROVIDER_LEVEL
EnterpriseEnterpriseTrunkModifyTransaction	SERVICE_PROVIDER_LEVEL
GroupEnterpriseTrunkAddTransaction	GROUP_LEVEL
GroupEnterpriseTrunkAddUserListTransaction	GROUP_LEVEL
GroupEnterpriseTrunkDeleteTransaction	GROUP_LEVEL
GroupEnterpriseTrunkDeleteUserListTransaction	GROUP_LEVEL
GroupEnterpriseTrunkGetAvailableTrunkGroupListTransaction	GROUP_LEVEL
GroupEnterpriseTrunkGetAvailableUserListTransaction	GROUP_LEVEL
GroupEnterpriseTrunkGetListTransaction	GROUP_LEVEL
GroupEnterpriseTrunkGetTransaction	GROUP_LEVEL
GroupEnterpriseTrunkGetUserListTransaction	GROUP_LEVEL
GroupEnterpriseTrunkModifyTransaction	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction14	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction14sp1	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction14sp9	GROUP_LEVEL

Transaction	Authorization Level
GroupTrunkGroupAddInstanceTransaction14sp9A	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction15	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction15sp2	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction17	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction17sp3	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction17sp4	GROUP_LEVEL
GroupTrunkGroupAddInstanceTransaction19	GROUP_LEVEL
GroupTrunkGroupDeleteInstanceTransaction	GROUP_LEVEL
GroupTrunkGroupDeleteInstanceTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupGetAvailableHostedUserListTransaction	GROUP_LEVEL
GroupTrunkGroupGetInstanceListTransaction14	GROUP_LEVEL
GroupTrunkGroupGetInstanceListTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction14	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction14sp1	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction14sp5	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction14sp9	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction14sp9A	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction15	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction15sp2	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction17	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction17sp3	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction17sp4	GROUP_LEVEL
GroupTrunkGroupGetInstanceTransaction19	GROUP_LEVEL
GroupTrunkGroupGetInstanceUserListTransaction	GROUP_LEVEL
GroupTrunkGroupGetInstanceUserListTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupGetTransaction	GROUP_LEVEL
GroupTrunkGroupGetTransaction14sp1	GROUP_LEVEL
GroupTrunkGroupGetTransaction14sp9	GROUP_LEVEL
GroupTrunkGroupModifyInstanceTransaction14	GROUP_LEVEL
GroupTrunkGroupModifyInstanceTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupModifyInstanceTransaction14sp9A	GROUP_LEVEL
GroupTrunkGroupModifyInstanceTransaction15	GROUP_LEVEL
GroupTrunkGroupModifyTransaction	SERVICE_PROVIDER_LEVEL
GroupTrunkGroupModifyTransaction14sp9	SERVICE_PROVIDER_LEVEL

Transaction	Authorization Level
GroupTrunkGroupUserCreationTaskAddTransaction	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskAddTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskDeleteTransaction	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskDeleteTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskGetListTransaction	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskGetListTransaction14sp4	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskGetTransaction	GROUP_LEVEL
GroupTrunkGroupUserCreationTaskGetTransaction14sp4	GROUP_LEVEL
ServiceProviderTrunkGroupGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderTrunkGroupGetTransaction14sp1	SERVICE_PROVIDER_LEVEL
ServiceProviderTrunkGroupModifyTransaction	PROVISIONING_LEVEL
SystemTrunkGroupGetTransaction	SYSTEM_LEVEL
SystemTrunkGroupModifyTransaction	SYSTEM_LEVEL
SystemTrunkGroupUserCreationTaskGetListTransaction	SYSTEM_LEVEL
SystemTrunkGroupUserCreationTaskGetListTransaction14sp4	SYSTEM_LEVEL
SystemTwoStageDialingAddDnTransaction	SYSTEM_LEVEL
SystemTwoStageDialingDeleteDnTransaction	SYSTEM_LEVEL
SystemTwoStageDialingGetDnListTransaction	USER_LEVEL
SystemTwoStageDialingModifyDnTransaction	SYSTEM_LEVEL
UserTwoStageDialingGetTransaction13Mp20	USER_LEVEL
UserTwoStageDialingModifyTransaction	USER_LEVEL
UserVideoAddOnGetTransaction14	USER_LEVEL
UserVideoAddOnGetTransaction19	USER_LEVEL
UserVideoAddOnModifyTransaction14	USER_LEVEL
EnterpriseVirtualOnNetEnterpriseExtensionsGetUserListTransaction	SERVICE_PROVIDER_LEVEL
GroupVirtualOnNetEnterpriseExtensionsAddUserTransaction	GROUP_LEVEL
GroupVirtualOnNetEnterpriseExtensionsDeleteUserTransaction	GROUP_LEVEL
GroupVirtualOnNetEnterpriseExtensionsGetUserListTransaction	GROUP_LEVEL
GroupVirtualOnNetEnterpriseExtensionsGetUserTransaction	GROUP_LEVEL
GroupVirtualOnNetEnterpriseExtensionsModifyUserTransaction	GROUP_LEVEL
SystemVirtualOnNetCallTypeAddTransaction	SYSTEM_LEVEL
SystemVirtualOnNetCallTypeDeleteTransaction	SYSTEM_LEVEL
SystemVirtualOnNetCallTypeGetListTransaction	GROUP_LEVEL
SystemVirtualOnNetCallTypeModifyTransaction	SYSTEM_LEVEL
GroupVoiceMessagingGroupGetPasscodeRulesTransaction	GROUP_LEVEL

Transaction	Authorization Level
GroupVoiceMessagingGroupGetTransaction	USER_LEVEL
GroupVoiceMessagingGroupGetVoicePortalBrandingTransaction	GROUP_LEVEL
GroupVoiceMessagingGroupGetVoicePortalBrandingTransaction16	GROUP_LEVEL
GroupVoiceMessagingGroupGetVoicePortalTransaction14	USER_LEVEL
GroupVoiceMessagingGroupGetVoicePortalTransaction15	USER_LEVEL
GroupVoiceMessagingGroupGetVoicePortalTransaction17	USER_LEVEL
GroupVoiceMessagingGroupGetVoicePortalTransaction17sp4	USER_LEVEL
GroupVoiceMessagingGroupModifyPasscodeRulesTransaction	GROUP_LEVEL
GroupVoiceMessagingGroupModifyTransaction	GROUP_LEVEL
GroupVoiceMessagingGroupModifyVoicePortalBrandingTransaction	GROUP_LEVEL
GroupVoiceMessagingGroupModifyVoicePortalBrandingTransaction16	GROUP_LEVEL
GroupVoiceMessagingGroupModifyVoicePortalTransaction	GROUP_LEVEL
ServiceProviderVoiceMessagingGroupGetPasscodeRulesTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupGetVoicePortalBrandingTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupGetVoicePortalBrandingTransaction16	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupGetVoicePortalTransaction	GROUP_LEVEL
ServiceProviderVoiceMessagingGroupModifyPasscodeRulesTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupModifyTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupModifyVoicePortalBrandingTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupModifyVoicePortalBrandingTransaction16	SERVICE_PROVIDER_LEVEL
ServiceProviderVoiceMessagingGroupModifyVoicePortalTransaction	SERVICE_PROVIDER_LEVEL
SystemVoiceMessageSummaryUpdateGetTransaction	SYSTEM_LEVEL
SystemVoiceMessageSummaryUpdateModifyTransaction	SYSTEM_LEVEL
SystemVoiceMessagingGroupGetPasscodeRulesTransaction14	SYSTEM_LEVEL
SystemVoiceMessagingGroupGetTransaction14	USER_LEVEL
SystemVoiceMessagingGroupGetTransaction16	USER_LEVEL
SystemVoiceMessagingGroupGetTransaction16sp2	USER_LEVEL
SystemVoiceMessagingGroupGetVoicePortalMenusTransaction14	SYSTEM_LEVEL
SystemVoiceMessagingGroupGetVoicePortalMenusTransaction18	SYSTEM_LEVEL
SystemVoiceMessagingGroupGetVoicePortalMenusTransaction19	SYSTEM_LEVEL
SystemVoiceMessagingGroupModifyPasscodeRulesTransaction	SYSTEM_LEVEL
SystemVoiceMessagingGroupModifyTransaction	SYSTEM_LEVEL
SystemVoiceMessagingGroupModifyTransaction16	SYSTEM_LEVEL

Transaction	Authorization Level
SystemVoiceMessagingGroupModifyVoicePortalMenusTransaction	SYSTEM_LEVEL
SystemVoiceMessagingGroupModifyVoicePortalMenusTransaction19	SYSTEM_LEVEL
UserVoiceMessagingUserAddAliasListTransaction	USER_LEVEL
UserVoiceMessagingUserDeleteAliasListTransaction	USER_LEVEL
UserVoiceMessagingUserGetAdvancedVoiceManagementTransaction	USER_LEVEL
UserVoiceMessagingUserGetAdvancedVoiceManagementTransaction14sp3	USER_LEVEL
UserVoiceMessagingUserGetAliasListTransaction	USER_LEVEL
UserVoiceMessagingUserGetDistributionListTransaction	USER_LEVEL
UserVoiceMessagingUserGetGreetingTransaction13mp16	USER_LEVEL
UserVoiceMessagingUserGetGreetingTransaction16	USER_LEVEL
UserVoiceMessagingUserGetGreetingTransaction18	USER_LEVEL
UserVoiceMessagingUserGetOutgoingSMDIMWITransaction	USER_LEVEL
UserVoiceMessagingUserGetVoiceManagementTransaction13mp8	USER_LEVEL
UserVoiceMessagingUserGetVoiceManagementTransaction17	USER_LEVEL
UserVoiceMessagingUserGetVoicePortalPasswordInfoTransaction	USER_LEVEL
UserVoiceMessagingUserGetVoicePortalTransaction	USER_LEVEL
UserVoiceMessagingUserGetVoicePortalTransaction16	USER_LEVEL
UserVoiceMessagingUserModifyAdvancedVoiceManagementTransaction	USER_LEVEL
UserVoiceMessagingUserModifyDistributionListTransaction	USER_LEVEL
UserVoiceMessagingUserModifyGreetingTransaction	USER_LEVEL
UserVoiceMessagingUserModifyGreetingTransaction16	USER_LEVEL
UserVoiceMessagingUserModifyOutgoingSMDIMWITransaction	USER_LEVEL
UserVoiceMessagingUserModifyVoiceManagementTransaction	USER_LEVEL
UserVoiceMessagingUserModifyVoicePortalPasswordTransaction	USER_LEVEL
UserVoiceMessagingUserModifyVoicePortalTransaction	USER_LEVEL
UserVoiceMessagingUserModifyVoicePortalTransaction16	USER_LEVEL
UserVoicePortalCallingGetTransaction	USER_LEVEL
UserVoicePortalCallingModifyTransaction	USER_LEVEL
ServiceProviderZoneCallingRestrictionsGetTransaction	SERVICE_PROVIDER_LEVEL
ServiceProviderZoneCallingRestrictionsModifyTransaction	SERVICE_PROVIDER_LEVEL
SystemZoneCallingRestrictionsNetAddressAddListTransaction	SYSTEM_LEVEL
SystemZoneCallingRestrictionsNetAddressDeleteListTransaction	SYSTEM_LEVEL
SystemZoneCallingRestrictionsNetAddressGetListTransaction	SYSTEM_LEVEL
SystemZoneCallingRestrictionsZoneAddTransaction	SYSTEM_LEVEL
SystemZoneCallingRestrictionsZoneDeleteTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemZoneCallingRestrictionsZoneGetListTransaction	SERVICE_PROVIDER_LEVEL
SystemZoneCallingRestrictionsZoneModifyTransaction	SYSTEM_LEVEL
UserZoneCallingRestrictionsGetTransaction	USER_LEVEL
UserZoneCallingRestrictionsModifyTransaction	SERVICE_PROVIDER_LEVEL
SystemAccessDeviceAddTransaction	SYSTEM_LEVEL
SystemAccessDeviceCustomTagAddTransaction	SYSTEM_LEVEL
SystemAccessDeviceCustomTagDeleteListTransaction	SYSTEM_LEVEL
SystemAccessDeviceCustomTagGetListTransaction	SYSTEM_LEVEL
SystemAccessDeviceCustomTagModifyTransaction	SYSTEM_LEVEL
SystemAccessDeviceDeleteTransaction	SYSTEM_LEVEL
SystemAccessDeviceFileGetListTransaction	SYSTEM_LEVEL
SystemAccessDeviceFileGetListTransaction14sp8	SYSTEM_LEVEL
SystemAccessDeviceFileGetTransaction	SYSTEM_LEVEL
SystemAccessDeviceFileGetTransaction14sp8	SYSTEM_LEVEL
SystemAccessDeviceFileGetTransaction16sp1	SYSTEM_LEVEL
SystemAccessDeviceFileModifyTransaction	SYSTEM_LEVEL
SystemAccessDeviceFileModifyTransaction14sp8	SYSTEM_LEVEL
SystemAccessDeviceGetAllTransaction	PROVISIONING_LEVEL
SystemAccessDeviceGetListTransaction14	SYSTEM_LEVEL
SystemAccessDeviceGetMobilityManagerProvisioningPasswordTransaction	SYSTEM_LEVEL
SystemAccessDeviceGetTransaction	SYSTEM_LEVEL
SystemAccessDeviceGetTransaction14sp3	SYSTEM_LEVEL
SystemAccessDeviceGetTransaction14sp6	SYSTEM_LEVEL
SystemAccessDeviceGetTransaction16	SYSTEM_LEVEL
SystemAccessDeviceGetTransaction18sp1	SYSTEM_LEVEL
SystemAccessDeviceGetUserListTransaction	SYSTEM_LEVEL
SystemAccessDeviceModifyTransaction	SYSTEM_LEVEL
SystemAccessDeviceModifyUserTransaction	SYSTEM_LEVEL
SystemAccessDeviceMonitorAddDeviceTypeTransaction	SYSTEM_LEVEL
SystemAccessDeviceMonitorDeleteDeviceTypeTransaction	SYSTEM_LEVEL
SystemAccessDeviceMonitorGetDeviceTypeListTransaction	SYSTEM_LEVEL
SystemAccessDeviceMonitorParametersGetTransaction	SYSTEM_LEVEL
SystemAccessDeviceMonitorParametersModifyTransaction	SYSTEM_LEVEL
SystemAccessDeviceResetTransaction	SYSTEM_LEVEL
SystemAccessDeviceTypeGetEnhancedConfigurableListTransaction	GROUP_LEVEL

Transaction	Authorization Level
SystemAccessDeviceTypeGetListTransaction	GROUP_LEVEL
SystemAccountingAddChargingFunctionElementServerTransaction	SYSTEM_LEVEL
SystemAccountingAddRadiusServerTransaction	SYSTEM_LEVEL
SystemAccountingDeleteChargingFunctionElementServerTransaction	SYSTEM_LEVEL
SystemAccountingDeleteRadiusServerTransaction	SYSTEM_LEVEL
SystemAccountingFieldIdMappingGetListTransaction	SYSTEM_LEVEL
SystemAccountingFieldIdMappingModifyTransaction	SYSTEM_LEVEL
SystemAccountingGetChargingFunctionElementServerListTransaction	SYSTEM_LEVEL
SystemAccountingGetRadiusServerListTransaction	SYSTEM_LEVEL
SystemAccountingModifyChargingFunctionElementServerTransaction	SYSTEM_LEVEL
SystemAccountingModifyRadiusServerTransaction	SYSTEM_LEVEL
SystemAccountingParametersGetTransaction	SYSTEM_LEVEL
SystemAccountingParametersModifyTransaction	SYSTEM_LEVEL
SystemAccountingReorderChargingFunctionElementServerTransaction	SYSTEM_LEVEL
SystemActivatableFeatureGetListTransaction	USER_LEVEL
SystemActivatableFeatureGetTransaction	SYSTEM_LEVEL
SystemActivatableFeatureModifyTransaction	SYSTEM_LEVEL
SystemAdminAddTransaction	PROVISIONING_LEVEL
SystemAdminDeleteTransaction	PROVISIONING_LEVEL
SystemAdminGetListTransaction	PROVISIONING_LEVEL
SystemAdminGetTransaction	PROVISIONING_LEVEL
SystemAdminMaintenancePartitionGetListTransaction	SYSTEM_LEVEL
SystemAdminMaintenancePartitionModifyTransaction	SYSTEM_LEVEL
SystemAdminModifyTransaction	PROVISIONING_LEVEL
SystemAliasAddTransaction	SYSTEM_LEVEL
SystemAliasDeleteTransaction	SYSTEM_LEVEL
SystemAliasGetListTransaction	SYSTEM_LEVEL
SystemApplicationControllerAddTransaction	SYSTEM_LEVEL
SystemApplicationControllerDeleteTransaction	SYSTEM_LEVEL
SystemApplicationControllerGetListTransaction	SYSTEM_LEVEL
SystemApplicationServerPeerAddTransaction	SYSTEM_LEVEL
SystemApplicationServerPeerDeleteTransaction	SYSTEM_LEVEL
SystemApplicationServerPeerGetListTransaction	SYSTEM_LEVEL
SystemApplicationServerPeeringGetTransaction	SYSTEM_LEVEL
SystemApplicationServerPeeringModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemApplicationServerPeerLockTransaction	SYSTEM_LEVEL
SystemApplicationServerPeerModifyTransaction	SYSTEM_LEVEL
SystemApplicationServerPeerUnLockTransaction	SYSTEM_LEVEL
SystemApplicationServerSetAddTransaction	SYSTEM_LEVEL
SystemApplicationServerSetDeleteTransaction	SYSTEM_LEVEL
SystemApplicationServerSetGetListTransaction	SYSTEM_LEVEL
SystemApplicationServerSetGetUsageTransaction	SYSTEM_LEVEL
SystemASClusterParametersGetTransaction	SYSTEM_LEVEL
SystemASClusterParametersModifyTransaction	SYSTEM_LEVEL
SystemASRParametersGetTransaction	SYSTEM_LEVEL
SystemASRParametersGetTransaction14sp5	SYSTEM_LEVEL
SystemASRParametersGetTransaction14sp7	SYSTEM_LEVEL
SystemASRParametersModifyTransaction	SYSTEM_LEVEL
SystemASRParametersModifyTransaction14sp7	SYSTEM_LEVEL
SystemAuthenticationLockoutExportDataGetTransaction	SYSTEM_LEVEL
SystemAuthenticationLockoutSettingsGetTransaction	SYSTEM_LEVEL
SystemAuthenticationLockoutSettingsModifyTransaction	SYSTEM_LEVEL
SystemBCCTAddOCICInterfaceAddressTransaction	SYSTEM_LEVEL
SystemBCCTAddOCIIInterfaceAddressTransaction	SYSTEM_LEVEL
SystemBCCTAddOCIIInterfaceAddressTransaction14sp2	SYSTEM_LEVEL
SystemBCCTDeleteOCICInterfaceAddressTransaction	SYSTEM_LEVEL
SystemBCCTDeleteOCIIInterfaceAddressTransaction	SYSTEM_LEVEL
SystemBCCTDeleteOCIIInterfaceAddressTransaction14sp2	SYSTEM_LEVEL
SystemBCCTGetOCICInterfaceAddressListTransaction	SYSTEM_LEVEL
SystemBCCTGetOCIIInterfaceAddressListTransaction	SYSTEM_LEVEL
SystemBCCTGetOCIIInterfaceAddressListTransaction14sp2	SYSTEM_LEVEL
SystemBCCTParametersGetTransaction	SYSTEM_LEVEL
SystemBCCTParametersModifyTransaction	SYSTEM_LEVEL
SystemBEAGetTransaction	SYSTEM_LEVEL
SystemBEAModifyTransaction	SYSTEM_LEVEL
SystemBroadCloudGetTransaction	SYSTEM_LEVEL
SystemBroadCloudModifyTransaction	SYSTEM_LEVEL
SystemBroadWorksMobileManagerGetTransaction	SYSTEM_LEVEL
SystemBroadWorksMobileManagerModifyTransaction	SYSTEM_LEVEL
SystemBwDiameterBaseDataGetTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemBwDiameterBaseDataGetTransaction17sp3	SYSTEM_LEVEL
SystemBwDiameterBaseDataModifyTransaction	SYSTEM_LEVEL
SystemBwDiameterPeerAddTransaction	SYSTEM_LEVEL
SystemBwDiameterPeerDeleteTransaction	SYSTEM_LEVEL
SystemBwDiameterPeerGetListTransaction	SYSTEM_LEVEL
SystemBwDiameterPeerModifyTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingPeerAddTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingPeerDeleteTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingPeerGetListTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingPeerModifyTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingRealmAddTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingRealmDeleteTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingRealmGetListTransaction	SYSTEM_LEVEL
SystemBwDiameterRoutingRealmModifyTransaction	SYSTEM_LEVEL
SystemCallMeNowGetTransaction	SYSTEM_LEVEL
SystemCallMeNowModifyTransaction	SYSTEM_LEVEL
SystemCallProcessingGetPolicyTransaction14	SYSTEM_LEVEL
SystemCallProcessingGetPolicyTransaction14sp1	SYSTEM_LEVEL
SystemCallProcessingGetPolicyTransaction14sp4	SYSTEM_LEVEL
SystemCallProcessingGetPolicyTransaction14sp7	USER_LEVEL
SystemCallProcessingGetPolicyTransaction15	SYSTEM_LEVEL
SystemCallProcessingGetPolicyTransaction15sp2	USER_LEVEL
SystemCallProcessingGetPolicyTransaction16	USER_LEVEL
SystemCallProcessingGetPolicyTransaction16sp2	USER_LEVEL
SystemCallProcessingGetPolicyTransaction17	USER_LEVEL
SystemCallProcessingGetPolicyTransaction17sp3	USER_LEVEL
SystemCallProcessingGetPolicyTransaction17sp4	USER_LEVEL
SystemCallProcessingModifyPolicyTransaction14	SYSTEM_LEVEL
SystemCallProcessingModifyPolicyTransaction15	SYSTEM_LEVEL
SystemCallProcessingParametersGetTransaction	SYSTEM_LEVEL
SystemCallProcessingParametersModifyTransaction	SYSTEM_LEVEL
SystemCallTypeAddMappingTransaction	SYSTEM_LEVEL
SystemCallTypeDeleteMappingTransaction	SYSTEM_LEVEL
SystemCallTypeGetListTransaction	SYSTEM_LEVEL
SystemCallTypeGetMappingListTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemCAPAddACLEntryTransaction14	SYSTEM_LEVEL
SystemCAPDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemCAPGetACLListTransaction14	SYSTEM_LEVEL
SystemCAPModifyACLEntryTransaction14	SYSTEM_LEVEL
SystemCAPPParametersGetTransaction	SYSTEM_LEVEL
SystemCAPPParametersGetTransaction14sp3	SYSTEM_LEVEL
SystemCAPPParametersGetTransaction19	SYSTEM_LEVEL
SystemCAPPParametersModifyTransaction	SYSTEM_LEVEL
SystemCAPPParametersModifyTransaction19	SYSTEM_LEVEL
SystemClientApplicationClearFileCustomizationTransaction	SYSTEM_LEVEL
SystemClientApplicationFileCustomizationInfoGetTransaction	SYSTEM_LEVEL
SystemClientApplicationLaunchProfileGetListTransaction	SYSTEM_LEVEL
SystemClientApplicationLaunchProfileModifyTransaction	SYSTEM_LEVEL
SystemClientApplicationPutFileCustomizationTransaction	SYSTEM_LEVEL
SystemClientSessionParametersGetTransaction	SYSTEM_LEVEL
SystemClientSessionParametersModifyTransaction	SYSTEM_LEVEL
SystemCodecAddTransaction	SYSTEM_LEVEL
SystemCodecDeleteTransaction	SYSTEM_LEVEL
SystemCodecGetListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringAlternateCallIndicatorAddTransaction	SYSTEM_LEVEL
SystemCommunicationBarringAlternateCallIndicatorDeleteTransaction	SYSTEM_LEVEL
SystemCommunicationBarringAlternateCallIndicatorGetListTransaction	GROUP_LEVEL
SystemCommunicationBarringAlternateCallIndicatorModifyTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCallTypeAddTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCallTypeDeleteTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCallTypeGetListTransaction	GROUP_LEVEL
SystemCommunicationBarringCallTypeModifyTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaAddTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaAddTransaction17	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaDeleteTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaGetListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaGetTransaction	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaGetTransaction17	SYSTEM_LEVEL
SystemCommunicationBarringCriteriaModifyTransaction	SYSTEM_LEVEL
SystemCommunicationBarringDigitPatternCriteriaAddTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemCommunicationBarringDigitPatternCriteriaDeleteTransaction	SYSTEM_LEVEL
SystemCommunicationBarringDigitPatternCriteriaGetListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringDigitPatternCriteriaGetPatternListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringDigitPatternCriteriaGetTransaction	SYSTEM_LEVEL
SystemCommunicationBarringDigitPatternCriteriaModifyTransaction	SYSTEM_LEVEL
SystemCommunicationBarringGetTransaction	SYSTEM_LEVEL
SystemCommunicationBarringModifyTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileAddTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileAddTransaction17sp1	SYSTEM_LEVEL
SystemCommunicationBarringProfileAddTransaction17sp3	SYSTEM_LEVEL
SystemCommunicationBarringProfileDeleteTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetCriteriaUsageListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetDigitPatternCriteriaUsageListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetListTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetTransaction	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetTransaction16	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetTransaction17sp1	SYSTEM_LEVEL
SystemCommunicationBarringProfileGetTransaction17sp3	SYSTEM_LEVEL
SystemCommunicationBarringProfileModifyTransaction	SYSTEM_LEVEL
SystemCommunicationBarringServiceProviderGetCriteriaUsageListTransaction	SYSTEM_LEVEL
SystemConfigurableFileSystemGetTransaction	SYSTEM_LEVEL
SystemConfigurableFileSystemModifyTransaction	SYSTEM_LEVEL
SystemConfigurableTreatmentAddTransaction	SYSTEM_LEVEL
SystemConfigurableTreatmentDeleteTransaction	SYSTEM_LEVEL
SystemConfigurableTreatmentGetListTransaction	SERVICE_PROVIDER_LEVEL
SystemConfigurableTreatmentGetTransaction	SYSTEM_LEVEL
SystemConfigurableTreatmentGetTransaction16	SYSTEM_LEVEL
SystemConfigurableTreatmentModifyTransaction	SYSTEM_LEVEL
SystemCountryCodeAddTransaction	SYSTEM_LEVEL
SystemCountryCodeDeleteTransaction	SYSTEM_LEVEL
SystemCountryCodeGetListTransaction	PROVISIONING_LEVEL
SystemCountryCodeModifyTransaction	SYSTEM_LEVEL
SystemCPEConfigAddFileServerTransaction	SYSTEM_LEVEL
SystemCPEConfigAddFileServerTransaction14sp6	SYSTEM_LEVEL

Transaction	Authorization Level
SystemCPEConfigDeleteFileServerTransaction	SYSTEM_LEVEL
SystemCPEConfigGetFileServerListTransaction	SYSTEM_LEVEL
SystemCPEConfigGetFileServerListTransaction14sp6	SYSTEM_LEVEL
SystemCPEConfigModifyFileServerTransaction	SYSTEM_LEVEL
SystemCPEConfigModifyFileServerTransaction14sp6	SYSTEM_LEVEL
SystemCPEConfigParametersGetTransaction	SYSTEM_LEVEL
SystemCPEConfigParametersGetTransaction14sp6	SYSTEM_LEVEL
SystemCPEConfigParametersModifyTransaction	SYSTEM_LEVEL
SystemCPEConfigRebuildConfigFileTransaction	GROUP_LEVEL
SystemCPEConfigRebuildDeviceConfigFileTransaction	SYSTEM_LEVEL
SystemCPEConfigReorderDeviceLinePortsTransaction	SYSTEM_LEVEL
SystemCPEConfigResetDeviceTransaction	SYSTEM_LEVEL
SystemCPEConfigResetDeviceTypeTransaction	GROUP_LEVEL
SystemCPEConfigSetConfigFileTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagAddTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagDeleteListTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagGetListTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagModifyTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagSetAddTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagSetDeleteTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagSetGetListTransaction	SYSTEM_LEVEL
SystemDeviceManagementTagSetModifyTransaction	SYSTEM_LEVEL
SystemDeviceProfileAuthenticationLockoutClearAllTransaction	SYSTEM_LEVEL
SystemDeviceProfileAuthenticationLockoutClearTransaction	SYSTEM_LEVEL
SystemDeviceProfileAuthenticationLockoutGetTransaction	SYSTEM_LEVEL
SystemDeviceProfileAuthenticationPasswordRulesGetTransaction	SYSTEM_LEVEL
SystemDeviceProfileAuthenticationPasswordRulesModifyTransaction	SYSTEM_LEVEL
SystemDeviceTypeExportTransaction	SYSTEM_LEVEL
SystemDeviceTypeGetAvailableListTransaction	GROUP_LEVEL
SystemDeviceTypeGetAvailableListTransaction14sp1	GROUP_LEVEL
SystemDeviceTypeGetAvailableListTransaction14sp3	GROUP_LEVEL
SystemDeviceTypeGetAvailableListTransaction19	GROUP_LEVEL
SystemDeviceTypeGetTransaction	GROUP_LEVEL
SystemDeviceTypeGetTransaction14sp3	GROUP_LEVEL
SystemDeviceTypeGetTransaction14sp6	GROUP_LEVEL

Transaction	Authorization Level
SystemDeviceTypeGetTransaction16	GROUP_LEVEL
SystemDeviceTypeGetTransaction16sp1	GROUP_LEVEL
SystemDeviceTypeGetTransaction18	GROUP_LEVEL
SystemDeviceTypeGetTransaction19	GROUP_LEVEL
SystemDeviceTypeImportTransaction	SYSTEM_LEVEL
SystemDialableCallerIDCriteriaAddTransaction	SYSTEM_LEVEL
SystemDialableCallerIDCriteriaDeleteTransaction	SYSTEM_LEVEL
SystemDialableCallerIDCriteriaGetTransaction	SYSTEM_LEVEL
SystemDialableCallerIDCriteriaModifyTransaction	SYSTEM_LEVEL
SystemDialableCallerIDGetTransaction	SYSTEM_LEVEL
SystemDialableCallerIDModifyTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyAddAccessCodeTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyDeleteAccessCodeTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyGetAccessCodeListTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyGetAccessCodeTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyGetTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyGetTransaction17	SYSTEM_LEVEL
SystemDialPlanPolicyModifyAccessCodeTransaction	SYSTEM_LEVEL
SystemDialPlanPolicyModifyTransaction	SYSTEM_LEVEL
SystemDigitCollectionGetTransaction13mp4	SYSTEM_LEVEL
SystemDigitCollectionModifyTransaction	SYSTEM_LEVEL
SystemDnGetSummaryListTransaction	PROVISIONING_LEVEL
SystemDnGetUtilizationListTransaction	PROVISIONING_LEVEL
SystemDnGetUtilizationTransaction	SYSTEM_LEVEL
SystemDnGetUtilizationTransaction14sp3	PROVISIONING_LEVEL
SystemDomainAddTransaction	PROVISIONING_LEVEL
SystemDomainDeleteTransaction	PROVISIONING_LEVEL
SystemDomainGetAssignedServiceProviderListTransaction	PROVISIONING_LEVEL
SystemDomainGetListTransaction	USER_LEVEL
SystemDomainParametersGetTransaction	SYSTEM_LEVEL
SystemDomainParametersModifyTransaction	SYSTEM_LEVEL
SystemDTMFTransmissionGetTransaction	SYSTEM_LEVEL
SystemDTMFTransmissionModifyTransaction	SYSTEM_LEVEL
SystemEndpointGetListTransaction	PROVISIONING_LEVEL
SystemEventNotificationChannelDeleteTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemEventNotificationChannelGetListTransaction	SYSTEM_LEVEL
SystemEventNotificationChannelSetGetListTransaction	SYSTEM_LEVEL
SystemEventNotificationDeleteSubscriptionTransaction	SYSTEM_LEVEL
SystemEventNotificationGetSubscriptionListTransaction	SYSTEM_LEVEL
SystemEventNotificationGetSubscriptionTransaction	SYSTEM_LEVEL
SystemEventNotificationParametersGetTransaction	SYSTEM_LEVEL
SystemEventNotificationParametersModifyTransaction	SYSTEM_LEVEL
SystemExpensiveCallNotificationGetTransaction	SYSTEM_LEVEL
SystemExpensiveCallNotificationModifyTransaction	SYSTEM_LEVEL
SystemExpensiveCallTypeAddTransaction	SYSTEM_LEVEL
SystemExpensiveCallTypeDeleteTransaction	SYSTEM_LEVEL
SystemExpensiveCallTypeGetListTransaction	SYSTEM_LEVEL
SystemExpensiveCallTypeGetListTransaction16sp1	SYSTEM_LEVEL
SystemExpensiveCallTypeModifyTransaction	SYSTEM_LEVEL
SystemExportAddressingDataTransaction	SYSTEM_LEVEL
SystemExportBroadCloudDataTransaction	SYSTEM_LEVEL
SystemExtensionLengthGetTransaction	GROUP_LEVEL
SystemExtensionLengthModifyTransaction	SYSTEM_LEVEL
SystemExternalAuthenticationAddACLEntryTransaction	SYSTEM_LEVEL
SystemExternalAuthenticationAddACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemExternalAuthenticationDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemExternalAuthenticationDeleteACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemExternalAuthenticationGetACLListTransaction	SYSTEM_LEVEL
SystemExternalAuthenticationModifyACLEntryTransaction	SYSTEM_LEVEL
SystemExternalAuthenticationModifyACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemExternalEmergencyRoutingParametersGetTransaction13mp13	SYSTEM_LEVEL
SystemExternalEmergencyRoutingParametersModifyTransaction13mp13	SYSTEM_LEVEL
SystemFeatureAccessCodeGetListTransaction	SYSTEM_LEVEL
SystemFeatureAccessCodeModifyListTransaction	SYSTEM_LEVEL
SystemFileGetContentTransaction	GROUP_LEVEL
SystemFileRepositoryDeviceAddTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceAddTransaction16	SYSTEM_LEVEL
SystemFileRepositoryDeviceDeleteTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceGetListTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceGetTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemFileRepositoryDeviceGetTransaction16	SYSTEM_LEVEL
SystemFileRepositoryDeviceModifyTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceUserAddTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceUserDeleteTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceUserGetListTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceUserGetTransaction	SYSTEM_LEVEL
SystemFileRepositoryDeviceUserModifyTransaction	SYSTEM_LEVEL
SystemFTPPParametersGetTransaction	SYSTEM_LEVEL
SystemFTPPParametersModifyTransaction	SYSTEM_LEVEL
SystemGetRegistrationContactListTransaction	USER_LEVEL
SystemHolidayScheduleAddTransaction	SYSTEM_LEVEL
SystemHolidayScheduleDeleteTransaction	SYSTEM_LEVEL
SystemHolidayScheduleGetListTransaction	SYSTEM_LEVEL
SystemHolidayScheduleGetTransaction	SYSTEM_LEVEL
SystemHolidayScheduleModifyTransaction	SYSTEM_LEVEL
SystemHomeNetworkAddTransaction	SYSTEM_LEVEL
SystemHomeNetworkDeleteTransaction	SYSTEM_LEVEL
SystemHomeNetworkGetListTransaction	SYSTEM_LEVEL
SystemIMSPParametersGetTransaction	SYSTEM_LEVEL
SystemIMSPParametersModifyTransaction	SYSTEM_LEVEL
SystemJWSClearFileCustomizationTransaction	SYSTEM_LEVEL
SystemJWSFileCustomizationInfoGetTransaction	SYSTEM_LEVEL
SystemJWSGetFileRepositoryTransaction	USER_LEVEL
SystemJWSGetFileSignatureTransaction	SYSTEM_LEVEL
SystemJWSModifyFileSignatureTransaction	SYSTEM_LEVEL
SystemJWSPutFileCustomizationCompletedTransaction	USER_LEVEL
SystemJWSPutFileCustomizationTransaction	SYSTEM_LEVEL
SystemLanguageAddTransaction	SYSTEM_LEVEL
SystemLanguageDeleteTransaction	SYSTEM_LEVEL
SystemLanguageGetListTransaction	USER_LEVEL
SystemLanguageModifyTransaction	SYSTEM_LEVEL
SystemLawfulInterceptAddAdminTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptAddCallContentLinkPhonesTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptAddCallContentLinkTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptAddCallContentLinkTransaction14sp9	LAWFUL_INTERCEPT_LEVEL

Transaction	Authorization Level
SystemLawfulInterceptAddCallContentLinkTransaction16	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptAddCallContentLinkTransaction16sp1	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptAddCaseTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptDeleteAdminTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptDeleteCallContentLinkPhonesTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptDeleteCallContentLinkTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptDeleteCaseTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetAdminListTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetAdminTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetCallContentLinkListTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetCallContentLinkPhoneListTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetCaseListTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction14sp3	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction14sp5	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction16	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction16sp1	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction17	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetTransaction18	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptGetUserTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptModifyAdminTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptModifyCallContentLinkTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptModifyCallContentLinkTransaction14sp9	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptModifyCallContentLinkTransaction16	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptModifyCaseTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLawfulInterceptModifyTransaction	LAWFUL_INTERCEPT_LEVEL
SystemLicensingGetSystemLicenseListTransaction	SYSTEM_LEVEL
SystemLicensingGetTransaction	SYSTEM_LEVEL
SystemLicensingGetTransaction14sp3	SYSTEM_LEVEL
SystemLicensingReloadTransaction	SYSTEM_LEVEL
SystemLogConfigGetTransaction	SYSTEM_LEVEL
SystemLogConfigModifyTransaction	SYSTEM_LEVEL
SystemMailParametersGetTransaction	SYSTEM_LEVEL
SystemMailParametersModifyTransaction	SYSTEM_LEVEL
SystemMaintenancePartitionAddTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemMaintenancePartitionDeleteTransaction	SYSTEM_LEVEL
SystemMaintenancePartitionGetListTransaction	SYSTEM_LEVEL
SystemMaintenancePartitionGetStatusTransaction	SYSTEM_LEVEL
SystemMaintenancePartitionGetUsageTransaction	SYSTEM_LEVEL
SystemMaintenancePartitionModifyTransaction	SYSTEM_LEVEL
SystemMediaAddTransaction	SYSTEM_LEVEL
SystemMediaAddTransaction16	SYSTEM_LEVEL
SystemMediaDeleteTransaction	SYSTEM_LEVEL
SystemMediaFileParametersGetTransaction	SYSTEM_LEVEL
SystemMediaFileParametersModifyTransaction	SYSTEM_LEVEL
SystemMediaGetListTransaction	SYSTEM_LEVEL
SystemMediaModifyTransaction	SYSTEM_LEVEL
SystemMediaServerAddTransaction14	SYSTEM_LEVEL
SystemMediaServerDeleteTransaction	SYSTEM_LEVEL
SystemMediaServerGetListTransaction	SYSTEM_LEVEL
SystemMediaServerModifyTransaction	SYSTEM_LEVEL
SystemMediaServerParametersGetTransaction	SYSTEM_LEVEL
SystemMediaServerParametersModifyTransaction	SYSTEM_LEVEL
SystemMediaSetAddTransaction	SYSTEM_LEVEL
SystemMediaSetDeleteTransaction	SYSTEM_LEVEL
SystemMediaSetGetListTransaction	SERVICE_PROVIDER_LEVEL
SystemMediaSetGetTransaction	SYSTEM_LEVEL
SystemMediaSetModifyTransaction	SYSTEM_LEVEL
SystemMGCPDeviceTypeGetListTransaction	SYSTEM_LEVEL
SystemMGCPDeviceTypeGetTransaction	SYSTEM_LEVEL
SystemMGCPDeviceTypeModifyTransaction	SYSTEM_LEVEL
SystemMGCPPParametersGetTransaction	SYSTEM_LEVEL
SystemMGCPPParametersModifyTransaction	SYSTEM_LEVEL
SystemMigratedUsersGetListTransaction	SYSTEM_LEVEL
SystemMultimediaPolicyGetTransaction	SYSTEM_LEVEL
SystemMultimediaPolicyModifyTransaction	SYSTEM_LEVEL
SystemNavigationGetServiceLinkDisplayTransaction	SYSTEM_LEVEL
SystemNetworkClassOfServiceAddTransaction	SYSTEM_LEVEL
SystemNetworkClassOfServiceDeleteTransaction	SYSTEM_LEVEL
SystemNetworkClassOfServiceGetAssignedServiceProviderListTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemNetworkClassOfServiceGetCommunicationBarringProfileUsageListTransaction	SYSTEM_LEVEL
SystemNetworkClassOfServiceGetListTransaction	SYSTEM_LEVEL
SystemNetworkClassOfServiceGetTransaction	SYSTEM_LEVEL
SystemNetworkClassOfServiceGetTransaction17	SYSTEM_LEVEL
SystemNetworkClassOfServiceModifyTransaction	SYSTEM_LEVEL
SystemNetworkDeviceMonitorParametersGetTransaction	SYSTEM_LEVEL
SystemNetworkDeviceMonitorParametersModifyTransaction	SYSTEM_LEVEL
SystemNetworkProgressionGetTransaction	SYSTEM_LEVEL
SystemNetworkProgressionModifyTransaction	SYSTEM_LEVEL
SystemNetworkRoutingServerAddTransaction	SYSTEM_LEVEL
SystemNetworkRoutingServerDeleteTransaction	SYSTEM_LEVEL
SystemNetworkRoutingServerGetListTransaction	SYSTEM_LEVEL
SystemNetworkRoutingServerModifyTransaction	SYSTEM_LEVEL
SystemNetworkServerSyncParametersGetTransaction	SYSTEM_LEVEL
SystemNetworkServerSyncParametersGetTransaction14sp2	PROVISIONING_LEVEL
SystemNetworkServerSyncParametersGetTransaction16	PROVISIONING_LEVEL
SystemNetworkServerSyncParametersGetTransaction17sp4	PROVISIONING_LEVEL
SystemNetworkServerSyncParametersModifyTransaction	SYSTEM_LEVEL
SystemNetworkSynchingServerAddTransaction	SYSTEM_LEVEL
SystemNetworkSynchingServerDeleteTransaction	SYSTEM_LEVEL
SystemNetworkSynchingServerGetListTransaction	SYSTEM_LEVEL
SystemNetworkSynchingServerModifyTransaction	SYSTEM_LEVEL
SystemNumberActivationGetTransaction	USER_LEVEL
SystemNumberActivationGetTransaction18sp1	USER_LEVEL
SystemNumberActivationModifyTransaction	SYSTEM_LEVEL
SystemNumberActivationModifyTransaction18sp1	SYSTEM_LEVEL
SystemOCICallControlAddACLEntryTransaction	SYSTEM_LEVEL
SystemOCICallControlAddACLEntryTransaction	SYSTEM_LEVEL
SystemOCICallControlApplicationAddACLEntryTransaction	SYSTEM_LEVEL
SystemOCICallControlApplicationAddTransaction	SYSTEM_LEVEL
SystemOCICallControlApplicationAddTransaction14sp9	SYSTEM_LEVEL
SystemOCICallControlApplicationAddTransaction17	SYSTEM_LEVEL
SystemOCICallControlApplicationDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemOCICallControlApplicationDeleteTransaction	SYSTEM_LEVEL
SystemOCICallControlApplicationGetACCListTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemOCICallControlApplicationGetListTransaction	USER_LEVEL
SystemOCICallControlApplicationModifyACLEntryTransaction	SYSTEM_LEVEL
SystemOCICallControlApplicationModifyTransaction	SYSTEM_LEVEL
SystemOCICallControlDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemOCICallControlGetACLListTransaction	SYSTEM_LEVEL
SystemOCICallControlModifyACLEntryTransaction	SYSTEM_LEVEL
SystemOCIDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemOCIGetACLListTransaction	SYSTEM_LEVEL
SystemOCIModifyACLEntryTransaction	SYSTEM_LEVEL
SystemOCIReportingAddACLEntryTransaction13mp9	SYSTEM_LEVEL
SystemOCIReportingAddMessageNameListTransaction	SYSTEM_LEVEL
SystemOCIReportingDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemOCIReportingDeleteMessageNameListTransaction	SYSTEM_LEVEL
SystemOCIReportingGetACLListTransaction	SYSTEM_LEVEL
SystemOCIReportingGetMessageNameListTransaction	SYSTEM_LEVEL
SystemOCIReportingModifyACLEntryTransaction	SYSTEM_LEVEL
SystemOCIReportingParametersGetTransaction	SYSTEM_LEVEL
SystemOCIReportingParametersGetTransaction14sp1	SYSTEM_LEVEL
SystemOCIReportingParametersModifyTransaction	SYSTEM_LEVEL
SystemOfficeZoneAddTransaction	SYSTEM_LEVEL
SystemOfficeZoneDeleteTransaction	SYSTEM_LEVEL
SystemOfficeZoneGetAssignedServiceProviderListTransaction	SYSTEM_LEVEL
SystemOfficeZoneGetListTransaction	SYSTEM_LEVEL
SystemOfficeZoneGetTransaction	GROUP_LEVEL
SystemOfficeZoneGetZoneUsageListTransaction	SYSTEM_LEVEL
SystemOfficeZoneModifyTransaction	SYSTEM_LEVEL
SystemOverloadControlsGetTransaction13Mp11	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborCapabilityAddTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborCapabilityDeleteTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborCapabilityGetListTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborCapabilityModifyTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborStateAddTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborStateDeleteTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborStateGetListTransaction	SYSTEM_LEVEL
SystemOverloadControlsManagedNeighborStateModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemOverloadControlsModifyTransaction13Mp11	SYSTEM_LEVEL
SystemParameterModifyListTransaction	SYSTEM_LEVEL
SystemPasswordRulesGetTransaction13mp2	USER_LEVEL
SystemPasswordRulesGetTransaction16	USER_LEVEL
SystemPasswordRulesModifyTransaction	SYSTEM_LEVEL
SystemPasswordRulesModifyTransaction14sp3	SYSTEM_LEVEL
SystemPerformanceMeasurementGenerateReportTransaction	SYSTEM_LEVEL
SystemPerformanceMeasurementReportingAddFileServerTransaction	SYSTEM_LEVEL
SystemPerformanceMeasurementReportingDeleteFileServerTransaction	SYSTEM_LEVEL
SystemPerformanceMeasurementReportingGetFileServerListTransaction	SYSTEM_LEVEL
SystemPerformanceMeasurementReportingGetTransaction	SYSTEM_LEVEL
SystemPerformanceMeasurementReportingModifyFileServerTransaction	SYSTEM_LEVEL
SystemPerformanceMeasurementReportingModifyTransaction	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction14	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction14sp1	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction14sp4	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction16sp1	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction16sp2	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction17	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction17sp1	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction17sp3	SYSTEM_LEVEL
SystemPolicyGetDefaultTransaction18	SYSTEM_LEVEL
SystemPolicyModifyDefaultTransaction14	SYSTEM_LEVEL
SystemPortalPasscodeRulesGetTransaction	SYSTEM_LEVEL
SystemPortalPasscodeRulesGetTransaction19	SYSTEM_LEVEL
SystemPortalPasscodeRulesModifyTransaction	SYSTEM_LEVEL
SystemProfileBuildingCancelJournalTransaction	SYSTEM_LEVEL
SystemProfileBuildingGetJournalListTransaction	SYSTEM_LEVEL
SystemProvisioningValidationGetTransaction	SYSTEM_LEVEL
SystemProvisioningValidationGetTransaction14sp2	SYSTEM_LEVEL
SystemProvisioningValidationModifyTransaction	SYSTEM_LEVEL
SystemRebuildAllProfileTransaction	SYSTEM_LEVEL
SystemRedundancyParametersGetTransaction	SYSTEM_LEVEL
SystemRedundancyParametersGetTransaction16sp2	SYSTEM_LEVEL
SystemRedundancyParametersModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemRegistrationDeleteContactTransaction	SYSTEM_LEVEL
SystemRegistrationGetContactListTransaction	SYSTEM_LEVEL
SystemRoamingNetworkAddTransaction	SYSTEM_LEVEL
SystemRoamingNetworkDeleteTransaction	SYSTEM_LEVEL
SystemRoamingNetworkGetListTransaction	SYSTEM_LEVEL
SystemRoamingNetworkModifyTransaction	SYSTEM_LEVEL
SystemRoutePointExternalSystemAddTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemApplicationControllerAddListTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemApplicationControllerDeleteListTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemApplicationControllerGetTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemDeleteTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemGetListTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemGetRoutePointListTransaction	PROVISIONING_LEVEL
SystemRoutePointExternalSystemModifyTransaction	PROVISIONING_LEVEL
SystemRoutingAddRouteDeviceTransaction14	SYSTEM_LEVEL
SystemRoutingAddRouteTransaction	SYSTEM_LEVEL
SystemRoutingAddTranslationTransaction	SYSTEM_LEVEL
SystemRoutingDeleteRouteDeviceTransaction	SYSTEM_LEVEL
SystemRoutingDeleteRouteTransaction	SYSTEM_LEVEL
SystemRoutingDeleteTranslationTransaction	SYSTEM_LEVEL
SystemRoutingGetRouteDeviceListTransaction	SYSTEM_LEVEL
SystemRoutingGetRouteListTransaction	SYSTEM_LEVEL
SystemRoutingGetTransaction	SYSTEM_LEVEL
SystemRoutingGetTranslationListTransaction	SYSTEM_LEVEL
SystemRoutingModifyRouteDeviceTransaction	SYSTEM_LEVEL
SystemRoutingModifyTransaction	SYSTEM_LEVEL
SystemRoutingModifyTranslationTransaction	SYSTEM_LEVEL
SystemRoutingProfileGetListTransaction	PROVISIONING_LEVEL
SystemScheduleAddEventTransaction	SYSTEM_LEVEL
SystemScheduleAddTransaction	SYSTEM_LEVEL
SystemScheduleDeleteEventListTransaction	SYSTEM_LEVEL
SystemScheduleDeleteListTransaction	SYSTEM_LEVEL
SystemScheduleGetEventListTransaction	SYSTEM_LEVEL
SystemScheduleGetEventTransaction	SYSTEM_LEVEL
SystemScheduleGetListTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemScheduleModifyEventTransaction	SYSTEM_LEVEL
SystemScheduleModifyTransaction	SYSTEM_LEVEL
SystemSelectiveServicesGetTransaction	SYSTEM_LEVEL
SystemSelectiveServicesGetTransaction18sp1	SYSTEM_LEVEL
SystemSelectiveServicesModifyTransaction	SYSTEM_LEVEL
SystemServerAddressesGetTransaction	SYSTEM_LEVEL
SystemServerAddressesModifyTransaction	SYSTEM_LEVEL
SystemServiceActivationAccessCodeGetTransaction	SYSTEM_LEVEL
SystemServiceActivationAccessCodeModifyTransaction	SYSTEM_LEVEL
SystemServiceCodeAddTransaction	SYSTEM_LEVEL
SystemServiceCodeDeleteTransaction	SYSTEM_LEVEL
SystemServiceCodeGetListTransaction	SYSTEM_LEVEL
SystemServiceCodeModifyTransaction	SYSTEM_LEVEL
SystemServiceControlParametersGetTransaction	SYSTEM_LEVEL
SystemServiceControlParametersModifyTransaction	SYSTEM_LEVEL
SystemSessionAuditGetTransaction	SYSTEM_LEVEL
SystemSessionAuditGetTransaction14sp3	SYSTEM_LEVEL
SystemSessionAuditGetTransaction17sp3	SYSTEM_LEVEL
SystemSessionAuditModifyTransaction	SYSTEM_LEVEL
SystemSessionAuditModifyTransaction14sp3	SYSTEM_LEVEL
SystemSessionDataReplicationGetTransaction	SYSTEM_LEVEL
SystemSessionDataReplicationModifyTransaction	SYSTEM_LEVEL
SystemShInterfaceParametersGetTransaction	SYSTEM_LEVEL
SystemShInterfaceParametersGetTransaction17	SYSTEM_LEVEL
SystemShInterfaceParametersModifyTransaction	SYSTEM_LEVEL
SystemShInterfaceParametersModifyTransaction17	SYSTEM_LEVEL
SystemShInterfaceRefreshTaskGetTransaction	SYSTEM_LEVEL
SystemShInterfaceRefreshTaskStartTransaction	SYSTEM_LEVEL
SystemShInterfaceRefreshTaskTerminateTransaction	SYSTEM_LEVEL
SystemShortMessageServiceGetTransaction	SYSTEM_LEVEL
SystemShortMessageServiceModifyTransaction	SYSTEM_LEVEL
SystemSIPAddACLEntryTransaction14	SYSTEM_LEVEL
SystemSIPAddACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemSIPAddContentTypeTransaction	SYSTEM_LEVEL
SystemSIPAuthenticationEndpointLockoutClearTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemSIPAuthenticationEndpointLockoutGetTransaction	SYSTEM_LEVEL
SystemSIPAuthenticationLockoutClearAllTransaction	SYSTEM_LEVEL
SystemSIPAuthenticationPasswordRulesGetTransaction	SYSTEM_LEVEL
SystemSIPAuthenticationPasswordRulesModifyTransaction	SYSTEM_LEVEL
SystemSIPAuthenticationTrunkGroupLockoutClearTransaction	SYSTEM_LEVEL
SystemSIPAuthenticationTrunkGroupLockoutGetTransaction	SYSTEM_LEVEL
SystemSIPDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemSIPDeleteACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemSIPDeleteContentTypeTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction14sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction14sp2	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction14sp3	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction14sp6	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction15	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction16	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction16sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction17	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction17sp4	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction18	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction18sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction18sp1V2	SYSTEM_LEVEL
SystemSIPDeviceTypeAddTransaction19	SYSTEM_LEVEL
SystemSIPDeviceTypeDeleteTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeFileAddTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeFileAddTransaction14sp8	SYSTEM_LEVEL
SystemSIPDeviceTypeFileAddTransaction16sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeFileAddTransaction18	SYSTEM_LEVEL
SystemSIPDeviceTypeFileAddTransaction19	SYSTEM_LEVEL
SystemSIPDeviceTypeFileDeleteTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeFileDeleteTransaction14sp8	SYSTEM_LEVEL
SystemSIPDeviceTypeFileGetListTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeFileGetListTransaction14sp8	SYSTEM_LEVEL
SystemSIPDeviceTypeFileGetTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeFileGetTransaction14sp8	SYSTEM_LEVEL

Transaction	Authorization Level
SystemSIPDeviceTypeFileGetTransaction16sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeFileGetTransaction18	SYSTEM_LEVEL
SystemSIPDeviceTypeFileGetTransaction19	SYSTEM_LEVEL
SystemSIPDeviceTypeFileModifyTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeFileModifyTransaction14sp8	SYSTEM_LEVEL
SystemSIPDeviceTypeFileModifyTransaction16sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeGetListTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction14sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction14sp2	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction14sp3	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction14sp6	GROUP_LEVEL
SystemSIPDeviceTypeGetTransaction15	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction16	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction16sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction17	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction17sp4	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction18	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction18sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction18sp1V2	SYSTEM_LEVEL
SystemSIPDeviceTypeGetTransaction19	SYSTEM_LEVEL
SystemSIPDeviceTypeLanguageMappingGetListTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeLanguageMappingModifyTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeLineOrderingTaskCancelTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeLineOrderingTaskGetStatusTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeLineOrderingTaskLaunchTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction14sp2	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction15	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction16	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction16sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction17	SYSTEM_LEVEL
SystemSIPDeviceTypeModifyTransaction18sp1	SYSTEM_LEVEL
SystemSIPDeviceTypeServiceGetTransaction	SYSTEM_LEVEL
SystemSIPDeviceTypeServiceModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemSIPGetACLListTransaction	SYSTEM_LEVEL
SystemSIPGetContentTypeListTransaction	SYSTEM_LEVEL
SystemSIPHeaderProxyPolicyAddTransaction	SYSTEM_LEVEL
SystemSIPHeaderProxyPolicyDeleteTransaction	SYSTEM_LEVEL
SystemSIPHeaderProxyPolicyGetListTransaction	SYSTEM_LEVEL
SystemSIPHeaderProxyPolicyModifyTransaction	SYSTEM_LEVEL
SystemSIPModifyACLEntryTransaction	SYSTEM_LEVEL
SystemSIPModifyACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemSIPModifyContentTypeTransaction	SYSTEM_LEVEL
SystemSIPOptionTagProxyPolicyAddTransaction	SYSTEM_LEVEL
SystemSIPOptionTagProxyPolicyDeleteTransaction	SYSTEM_LEVEL
SystemSIPOptionTagProxyPolicyGetListTransaction	SYSTEM_LEVEL
SystemSIPOptionTagProxyPolicyModifyTransaction	SYSTEM_LEVEL
SystemSIPParametersGetTransaction	GROUP_LEVEL
SystemSIPParametersModifyTransaction	SYSTEM_LEVEL
SystemSIPProxyRuleAddTransaction	SYSTEM_LEVEL
SystemSIPProxyRuleDeleteTransaction	SYSTEM_LEVEL
SystemSIPProxyRuleGetListTransaction	SYSTEM_LEVEL
SystemSIPProxyRuleModifyTransaction	SYSTEM_LEVEL
SystemSIPUnmatchedHeaderProxyPolicyGetTransaction	SYSTEM_LEVEL
SystemSIPUnmatchedHeaderProxyPolicyModifyTransaction	SYSTEM_LEVEL
SystemSIPUnmatchedOptionTagProxyPolicyGetTransaction	SYSTEM_LEVEL
SystemSIPUnmatchedOptionTagProxyPolicyModifyTransaction	SYSTEM_LEVEL
SystemSMDIAddACLEntryTransaction	SYSTEM_LEVEL
SystemSMDIAddACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemSMDIDeleteACLEntryTransaction	SYSTEM_LEVEL
SystemSMDIDeleteACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemSMDIGetACLListTransaction	SYSTEM_LEVEL
SystemSMDIModifyACLEntryTransaction	SYSTEM_LEVEL
SystemSMDIModifyACLEntryTransaction14sp2	SYSTEM_LEVEL
SystemSMDIParametersGetTransaction	SYSTEM_LEVEL
SystemSMDIParametersModifyTransaction	SYSTEM_LEVEL
SystemSMPPGetTransaction	SYSTEM_LEVEL
SystemSMPPGetTransaction14sp5	SYSTEM_LEVEL
SystemSMPPModifyTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemSoftwareVersionGetTransaction	USER_LEVEL
SystemStateOrProvinceGetListTransaction	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction14sp3	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction14sp7	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction15	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction15sp2	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction17	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction17sp3	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction17sp4	USER_LEVEL
SystemSubscriberGetCallProcessingParametersTransaction18sp1	USER_LEVEL
SystemSubscriberGetLoginParametersTransaction	USER_LEVEL
SystemSubscriberModifyCallProcessingParametersTransaction	SYSTEM_LEVEL
SystemSubscriberModifyCallProcessingParametersTransaction14sp7	SYSTEM_LEVEL
SystemSubscriberModifyLoginParametersTransaction	USER_LEVEL
SystemSubscriberSchemaVersionGetListTransaction	SYSTEM_LEVEL
SystemSystemServiceCallProcessingPoliciesGetTransaction	SYSTEM_LEVEL
SystemSystemServiceCallProcessingPoliciesModifyTransaction	SYSTEM_LEVEL
SystemSystemServiceDnAddListTransaction	SYSTEM_LEVEL
SystemSystemServiceDnDeleteListTransaction	SYSTEM_LEVEL
SystemSystemServiceDnGetAvailableListTransaction	SYSTEM_LEVEL
SystemSystemServiceDnGetSummaryListTransaction	SYSTEM_LEVEL
SystemSystemServiceDnGetUsageListTransaction	SYSTEM_LEVEL
SystemSystemVoicePortalAddTransaction	SYSTEM_LEVEL
SystemSystemVoicePortalDeleteTransaction	SYSTEM_LEVEL
SystemSystemVoicePortalGetListTransaction	SYSTEM_LEVEL
SystemSystemVoicePortalGetTransaction	SYSTEM_LEVEL
SystemSystemVoicePortalModifyTransaction	SYSTEM_LEVEL
SystemTimeScheduleAddTransaction	SYSTEM_LEVEL
SystemTimeScheduleDeleteTransaction	SYSTEM_LEVEL
SystemTimeScheduleGetListTransaction	SYSTEM_LEVEL
SystemTimeScheduleGetTransaction	SYSTEM_LEVEL
SystemTimeScheduleModifyTransaction	SYSTEM_LEVEL
SystemTimeZoneGetListTransaction	USER_LEVEL
SystemTreatmentMappingAccessSIPStatusAddTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
SystemTreatmentMappingAccessSIPStatusDeleteTransaction	SYSTEM_LEVEL
SystemTreatmentMappingAccessSIPStatusGetListTransaction	SYSTEM_LEVEL
SystemTreatmentMappingAccessSIPStatusModifyTransaction	SYSTEM_LEVEL
SystemTreatmentMappingCallBlockingServiceAddTransaction	SYSTEM_LEVEL
SystemTreatmentMappingCallBlockingServiceDeleteTransaction	SYSTEM_LEVEL
SystemTreatmentMappingCallBlockingServiceGetListTransaction	SYSTEM_LEVEL
SystemTreatmentMappingCallBlockingServiceModifyTransaction	SYSTEM_LEVEL
SystemTreatmentMappingInternalReleaseCauseAddTransaction	SYSTEM_LEVEL
SystemTreatmentMappingInternalReleaseCauseDeleteTransaction	SYSTEM_LEVEL
SystemTreatmentMappingInternalReleaseCauseGetListTransaction	SYSTEM_LEVEL
SystemTreatmentMappingInternalReleaseCauseModifyTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkServerTreatmentAddTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkServerTreatmentDeleteTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkServerTreatmentGetListTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkServerTreatmentModifyTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkSIPStatusAddTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkSIPStatusDeleteTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkSIPStatusGetListTransaction	SYSTEM_LEVEL
SystemTreatmentMappingNetworkSIPStatusModifyTransaction	SYSTEM_LEVEL
SystemTreatmentMappingQ850CauseAddTransaction	SYSTEM_LEVEL
SystemTreatmentMappingQ850CauseDeleteTransaction	SYSTEM_LEVEL
SystemTreatmentMappingQ850CauseGetListTransaction	SYSTEM_LEVEL
SystemTreatmentMappingQ850CauseModifyTransaction	SYSTEM_LEVEL
SystemZoneAddTransaction	SYSTEM_LEVEL
SystemZoneCallingZonePhysicalLocationGetTransaction	SYSTEM_LEVEL
SystemZoneCallingZonePhysicalLocationModifyTransaction	SYSTEM_LEVEL
SystemZoneDeleteTransaction	SYSTEM_LEVEL
SystemZoneGetListTransaction	SERVICE_PROVIDER_LEVEL
SystemZoneLocationBasedPhysicalLocationAddListTransaction	SYSTEM_LEVEL
SystemZoneLocationBasedPhysicalLocationDeleteListTransaction	SYSTEM_LEVEL
SystemZoneLocationBasedPhysicalLocationGetListTransaction	SYSTEM_LEVEL
SystemZoneNetAddressAddListTransaction	SYSTEM_LEVEL
SystemZoneNetAddressDeleteListTransaction	SYSTEM_LEVEL
SystemZoneNetAddressGetListTransaction	SYSTEM_LEVEL
UserAccessDeviceFileGetListTransaction	USER_LEVEL

Transaction	Authorization Level
UserAccessDeviceFileGetTransaction	USER_LEVEL
UserAccessDeviceFileModifyTransaction	USER_LEVEL
UserAccessDeviceGetListTransaction	USER_LEVEL
UserAccessDeviceModifyPasswordTransaction	USER_LEVEL
UserAccessDeviceResetTransaction	USER_LEVEL
UserAccessDeviceTagsGetTransaction	USER_LEVEL
UserAddTransaction14	GROUP_LEVEL
UserAddTransaction14sp9	GROUP_LEVEL
UserAddTransaction17sp4	GROUP_LEVEL
UserAssignedServicesGetListTransaction	USER_LEVEL
UserCallLogsClearTransaction	USER_LEVEL
UserCallLogsClearTransaction14sp4	USER_LEVEL
UserCallPoliciesGetTransaction	USER_LEVEL
UserCallPoliciesGetTransaction17	USER_LEVEL
UserCallPoliciesModifyTransaction	USER_LEVEL
UserCallProcessingGetPolicyTransaction14	USER_LEVEL
UserCallProcessingGetPolicyTransaction14sp1	USER_LEVEL
UserCallProcessingGetPolicyTransaction14sp7	USER_LEVEL
UserCallProcessingGetPolicyTransaction16	USER_LEVEL
UserCallProcessingGetPolicyTransaction16sp2	USER_LEVEL
UserCallProcessingGetPolicyTransaction17	USER_LEVEL
UserCallProcessingGetPolicyTransaction17sp3	USER_LEVEL
UserCallProcessingGetPolicyTransaction17sp4	USER_LEVEL
UserCallProcessingGetPolicyTransaction18	USER_LEVEL
UserCallProcessingModifyPolicyTransaction14	SERVICE_PROVIDER_LEVEL
UserCallProcessingModifyPolicyTransaction14sp7	GROUP_LEVEL
UserClientApplicationClearFileCustomizationTransaction	USER_LEVEL
UserClientApplicationFileCustomizationInfoGetListTransaction	USER_LEVEL
UserClientApplicationGetFileCustomizationTransaction	USER_LEVEL
UserClientApplicationLaunchProfileAddTransaction	USER_LEVEL
UserClientApplicationLaunchProfileDeleteTransaction	USER_LEVEL
UserClientApplicationLaunchProfileGetListTransaction	USER_LEVEL
UserClientApplicationLaunchProfileGetTransaction	USER_LEVEL
UserClientApplicationLaunchProfileModifyTransaction	USER_LEVEL
UserClientApplicationPutFileCustomizationTransaction	USER_LEVEL

Transaction	Authorization Level
UserCommonGetTransaction	USER_LEVEL
UserCommunicationBarringAuthorizationCodeAddListTransaction	GROUP_LEVEL
UserCommunicationBarringAuthorizationCodeDeleteListTransaction	GROUP_LEVEL
UserCommunicationBarringAuthorizationCodeGetListTransaction	USER_LEVEL
UserDeleteTransaction	USER_LEVEL
UserDevicePoliciesGetTransaction	GROUP_LEVEL
UserDevicePoliciesModifyTransaction	GROUP_LEVEL
UserDisplayVoicePortalPasscodeTransaction	USER_LEVEL
UserDnGetActivationListTransaction	USER_LEVEL
UserExchangeIntegrationCredentialGetTransaction	USER_LEVEL
UserFeatureAccessCodeGetListTransaction	USER_LEVEL
UserGetListInGroupTransaction	GROUP_LEVEL
UserGetListInServiceProviderTransaction	GROUP_LEVEL
UserGetListInSystemTransaction	PROVISIONING_LEVEL
UserGetRegistrationListTransaction	USER_LEVEL
UserGetServiceInstanceListInServiceProviderTransaction	SERVICE_PROVIDER_LEVEL
UserGetServiceInstanceListInSystemTransaction	PROVISIONING_LEVEL
UserGetTransaction14	USER_LEVEL
UserGetTransaction14sp4	USER_LEVEL
UserGetTransaction14sp9	USER_LEVEL
UserGetTransaction15sp2	USER_LEVEL
UserGetTransaction17	USER_LEVEL
UserGetTransaction17sp3	USER_LEVEL
UserGetTransaction17sp4	USER_LEVEL
UserGetTransaction18	USER_LEVEL
UserGetTransaction19	USER_LEVEL
UserHolidayScheduleAddTransaction	USER_LEVEL
UserHolidayScheduleDeleteTransaction	USER_LEVEL
UserHolidayScheduleGetListTransaction	USER_LEVEL
UserHolidayScheduleGetTransaction	USER_LEVEL
UserHolidayScheduleModifyTransaction	USER_LEVEL
UserJWSGetJNLPPFileTransaction	USER_LEVEL
UserJWSPutFileCustomizationTransaction	USER_LEVEL
UserLinePortGetListTransaction	USER_LEVEL
UserMaintenancePartitionGetTransaction	SYSTEM_LEVEL

Transaction	Authorization Level
UserModifyTransaction14	USER_LEVEL
UserModifyTransaction14sp9	USER_LEVEL
UserModifyTransaction16	USER_LEVEL
UserModifyTransaction17sp4	USER_LEVEL
UserModifyUserIdTransaction	USER_LEVEL
UserNavigationGetServiceLinkDisplayTransaction	USER_LEVEL
UserNetworkConferencingGetTransaction	USER_LEVEL
UserOCICallControlApplicationGetListTransaction	USER_LEVEL
UserOCICallControlApplicationModifyTransaction	GROUP_LEVEL
UserPasswordInfoGetTransaction	USER_LEVEL
UserPersonalPhoneListAddListTransaction	USER_LEVEL
UserPersonalPhoneListDeleteListTransaction	USER_LEVEL
UserPersonalPhoneListGetListTransaction	USER_LEVEL
UserPersonalPhoneListModifyTransaction	USER_LEVEL
UserPhoneDirectoryGetListTransaction	USER_LEVEL
UserPhoneDirectoryGetPagedListTransaction	USER_LEVEL
UserPhoneDirectoryGetSearchedListTransaction	USER_LEVEL
UserPortalAccessAttemptTransaction	SYSTEM_LEVEL
UserPortalPasscodeGetInfoTransaction	USER_LEVEL
UserPortalPasscodeModifyTransaction	USER_LEVEL
UserPrimaryAndSCADeviceGetListTransaction	USER_LEVEL
UserPrimaryEndpointAdvancedSettingGetTransaction	USER_LEVEL
UserPrimaryEndpointAdvancedSettingModifyTransaction	USER_LEVEL
UserRebuildProfileTransaction	USER_LEVEL
UserScheduleAddEventTransaction	USER_LEVEL
UserScheduleAddTransaction	USER_LEVEL
UserScheduleDeleteEventListTransaction	USER_LEVEL
UserScheduleDeleteListTransaction	USER_LEVEL
UserScheduleGetEventListTransaction	USER_LEVEL
UserScheduleGetEventTransaction	USER_LEVEL
UserScheduleGetListTransaction	USER_LEVEL
UserScheduleGetListTransaction17sp1	USER_LEVEL
UserScheduleModifyEventTransaction	USER_LEVEL
UserScheduleModifyTransaction	USER_LEVEL
UserServiceAssignListTransaction	GROUP_LEVEL

Transaction	Authorization Level
UserServiceGetAssignmentListTransaction	USER_LEVEL
UserServiceIsAssignedTransaction	USER_LEVEL
UserServiceUnassignListTransaction	GROUP_LEVEL
UserShInterfaceGetPublicIdDataTransaction	SYSTEM_LEVEL
UserShInterfaceGetUserIdDataTransaction	SYSTEM_LEVEL
UserShInterfaceModifyTransaction	SYSTEM_LEVEL
UserShInterfacePublicIdentityRefreshTaskStartTransaction	SYSTEM_LEVEL
UserTimeScheduleAddTransaction	USER_LEVEL
UserTimeScheduleDeleteTransaction	USER_LEVEL
UserTimeScheduleGetListTransaction	USER_LEVEL
UserTimeScheduleGetTransaction	USER_LEVEL
UserTimeScheduleModifyTransaction	USER_LEVEL
UserViewableFeaturesGetTransaction	USER_LEVEL
UserVoiceMessagingUserGetPasswordsTransaction	USER_LEVEL

14 Appendix C: Client Licenses Mapping

This section provides a mapping of the Client Licenses 1 through 20 user services.

License	Service
Client License 1	
Client License 2	
Client License 3	BroadWorks Assistant–Enterprise
Client License 4	BroadWorks Receptionist
Client License 5	Polycom Web Browser
Client License 6	Bria For BroadWorks (until Release 16.0)
Client License 7	
Client License 8	BroadWorks Assistant
Client License 9	
Client License 10	
Client License 11	BroadWorks Communicator
Client License 12	BroadWorks Communicator Multimedia
Client License 13	BroadWorks Communicator G.729
Client License 14	
Client License 15	
Client License 16	UC Connect
Client License 17	
Client License 18	
Client License 19	
Client License 20	