



APPENDIX **B**

ISC XML Reference

This appendix contains an alphabetical listing of the XML rules, tags, and attributes that are used in the XML files used for ISC Discovery.

For a detailed description of the XML files and XML examples, see [Chapter 4, “Service Inventory—Discovery.”](#)

Table B-1 *ISC XML Rules, Tags, and Attributes*

Tag	Description
<as-number>	Specifies the autonomous system (AS) number for the provider. The AS number can be an integer between 1 and 65535.
<CDP>	Starts a <CDP> tag. The <CDP> tag specifies an seed IP address and a hop count. The <CDP> tag must contain the following attributes: • ipaddress • hop
<connection>	Starts a <connection> tag. The <connection> tag must specify the following attributes: • discovery-protocol • fromDevice • FromIP • FromInterface • toDevice • toIP • toIF
<create-customer>	Starts a create-customer rule. The create-customer rule creates a region object. the create-customer rule must contain the following tags: • <customer-name> • <create-site>

Table B-1 ISC XML Rules, Tags, and Attributes (continued)

Tag	Description
<create-provider>	Starts a create-provider rule. The create-provider rule creates a service provider object. The create-provider rule must contain the following tags: • <provider-name> • <as-number> • <create-region>
<create-region>	Starts a create-region rule. The create-region rule creates a region object. The create-region rule must contain a region-name tag.
<create-site>	Starts a create-site rule. The create-site rule must contain a <site-name> tag.
<customer-name>	Specifies a customer name. Required within the create-customer rule.
<device>	Starts a <device> tag. The <device> tag must contain the following tags: • <device-name> • <ip-address> The following tags are optional within the <device> tag: • <system-object-id> • <snmp-info>
<device-name>	Specifies the name of the device. Required within the <device> tag.
<DISCOVERY_METHOD>	Starts a <DISCOVERY_METHOD> tag. The <DISCOVERY_METHOD> tag must contain a <CDP> tag.
discovery-protocol	Specifies the Discovery protocol used to discover the network topology. Normally, this is “CDP.”
fromDevice	Specifies the name of the device from which the Named Physical Circuit starts. Required attribute for the <connection> tag.
FromInterface	Specifies the name of the device interface from which the Named Physical Circuit starts. Required attribute for the <connection> tag.
FromIP	Specifies the management IP address of the device from which the Named Physical Circuit starts. Required attribute for the <connection> tag.

Table B-1 *ISC XML Rules, Tags, and Attributes (continued)*

Tag	Description
hop	Specifies the number of hops from the device identified by the ipaddress attribute to go in discovering devices. Required attribute for the <CDP> tag.
ipaddress	Specifies the IP address of a seed device. Required attribute for the <CDP> tag.
<ip-address>	Specifies the IP address of the device. Required within the <device> tag.
<provider-name>	Specifies the name of the provider.
<region-name>	Specifies the name of a region.
<ro-community>	Specifies the level of SNMP access for the device. Normally, this should be “public.” Required within the <snmp-info> tag.
<site-name>	Specifies a site name.
<snmp-info>	Specifies SNMP information for the device. The <snmp-info> tag must contain a <ro-community> tag. Optional within the <device> tag.
<system-object-id>	(optional) Can be included to specify the SNMP Object ID (OID) for the device. If this is provided, it is specified within the <device> tag.
toDevice	Specifies the name of the device to which the Named Physical Circuit connects. Required attribute for the <connection> tag.
toIF	Specifies the device interface on the device to which the Named Physical Circuit connects. Required attribute for the <connection> tag.
toIP	Specifies the management IP address of the device from which the Named Physical Circuit connects. Required attribute for the <connection> tag.

