
ContentDirectory:3 Service

Annex A – Control Point Requirements

For UPnP Version 1.0

Status: Standardized DCP Annex

Date: October 6, 2010

Service Template Version: 2.00

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Table A-1: Actions for ContentDirectory:3 Service4

Annex A. Control Point Requirements (Normative)

This Annex lists the actions that a Control Point implementation that seeks certification as a UPnP Certified ContentDirectory:3 Control Point must be capable of invoking.

The following table amends Table 2-8 Actions to add Control Point requirements, and hence supersedes Table 2-8 Actions.

Table A-1: Actions for ContentDirectory:3 Service

Name	R/O ¹	Control Point R/O ²
<u>GetSearchCapabilities()</u>	<u>R</u>	<u>Q</u>
<u>GetSortCapabilities()</u>	<u>R</u>	<u>Q</u>
<u>GetSortExtensionCapabilities()</u>	<u>Q</u> ³	<u>Q</u>
<u>GetFeatureList()</u>	<u>R</u>	<u>Q</u>
<u>GetSystemUpdateID()</u>	<u>R</u>	<u>Q</u>
<u>GetServiceResetToken()</u>	<u>R</u>	<u>Q</u>
<u>Browse()</u>	<u>R</u>	<u>R</u>
<u>Search()</u>	<u>Q</u>	<u>Q</u>
<u>CreateObject()</u>	<u>Q</u>	<u>Q</u>
<u>DestroyObject()</u>	<u>Q</u>	<u>Q</u>
<u>UpdateObject()</u>	<u>Q</u>	<u>Q</u>
<u>MoveObject()</u>	<u>Q</u>	<u>Q</u>
<u>ImportResource()</u>	<u>Q</u>	<u>Q</u>
<u>ExportResource()</u>	<u>Q</u>	<u>Q</u>
<u>DeleteResource()</u>	<u>Q</u>	<u>Q</u>
<u>StopTransferResource()</u>	<u>Q</u>	<u>Q</u>
<u>GetTransferProgress()</u>	<u>Q</u>	<u>Q</u>
<u>CreateReference()</u>	<u>Q</u>	<u>Q</u>
<u>FreeFormQuery()</u>	<u>Q</u>	<u>Q</u>
<u>GetFreeFormQueryCapabilities()</u>	<u>Q</u>	<u>Q</u>
<i>Non-standard actions implemented by an UPnP vendor go here.</i>	<u>X</u>	<u>X</u>

¹ For a device this column indicates whether the action MUST be implemented or not, where R = REQUIRED, Q = OPTIONAL, CR = CONDITIONALLY REQUIRED, CO = CONDITIONALLY OPTIONAL, X = Non-standard, add -D when deprecated (e.g., R-D, Q-D).

² For a control point this column indicates whether a control point MUST be capable of invoking this action, where R = REQUIRED, O = OPTIONAL, CR = CONDITIONALLY REQUIRED, CO = CONDITIONALLY OPTIONAL, X = Non-standard, add -D when deprecated (e.g., R-D, O-D).

³ REQUIRED if implementation supports sort modifiers other than “±” and “±”