
ContentDirectory:1 Service

Annex A – Control Point Requirements

For UPnP Version 1.0

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Annex A. Control Point Requirements (Normative)

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

The following table amends Table 9 Actions to add Control Point requirements, and hence supersedes Table 9 Actions.

Table A-1: Actions for ContentDirectory:1 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>GetSystemUpdateID()</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>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>
<i>Non-standard actions implemented by a 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, O-D).

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