

Clarification Request

Request from: Carl Neilson [cneilson@deltacontrols.com]

References: BTL Implementers Guide-17

Stage: ☒Request, ☒Listed, ☒Analysis, ☒Resolved

Background / Proposed Solution:

The BTL has stated in the past that all forms of a service that is 'executed' by a device shall be supported. (see BTL Implementer's Guide, section 2.4).

Several exceptions have been pointed out recently and the following change is recommended.

2.4 A device shall execute all forms of a service

When a device is able to execute a service request, it shall be able to execute all forms of the service. This allows a client device to select the form of the service request it chooses and expect successful interoperation. "All forms of the service" include all forms of the service parameters (see 7.11, for example), and its application to appropriate objects and services (see 7.12).

Noted Exceptions:

Service	Parameter	Reason
DeviceCommunicationControl, ReinitializeDevice	'Password'	Devices may require the 'password' property to be present and therefore respond with a 'Result(-)' if this parameter is missing.
DeviceCommunicationControl	'Time Duration'	Devices which do not support an internal clock are not required to support this parameter and may return 'Result(-)' if a finite duration is specified.

It should be noted that some forms of some services will, when executed correctly by a device, always return a Result(-). For example, a device that contains no writable array properties will always return a Result(-) to WriteProperty requests that contain an Array Index parameter.

Question:

Does the BTL agree with this modification?

Response:

Yes