

DGI ADAPTER SPECIFICATION TEST RESULTS

Performed on January 14, 2014

Tester:
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Commit:
3.5.0

| Test Prefix | Description | Expected Result | Result |
|-------------|---|--|-------------------|
| BadXml1 | Attempt to use an adapter of invalid type | Unregistered adapter type: golbat | PASS |
| BadXml2 | Attempt to use an adapter that has no state tag | Failed to create adapter: No such node (state) | PASS |
| BadXml3 | Attempt to use an adapter that has no command tag | Failed to create adapter: No such node (command) | PASS |
| BadXml4 | Attempt to use an adapter with nonconsecutive state table indices | The state indices are not consecutive. | PASS |
| BadXml5 | Attempt to use an adapter with nonconsecutive command table indices | The command indices are not consecutive. | FAIL ¹ |
| BadXml6 | Attempt to use an adapter with two devices of the same name and type in the state table | The device signal (SST1,gateway) is already registered as state information. | PASS |
| BadXml7 | Attempt to use an adapter with two devices of the same name and type in the command table | The device signal (SST1,gateway) is already registered as command information. | PASS |

¹The state indices are not consecutive.

| Test Prefix | Description | Expected Result | Result |
|-------------|---|---|--------|
| BadXml8 | Attempt to use an adapter with two devices of the same name and different type in the state table | Failed to create adapter: Multiple devices share the name: SST1 | PASS |
| BadXml9 | Attempt to use an adapter with two devices of the same name and different type in the command table | Failed to create adapter: Multiple devices share the name: SST1 | PASS |
| BadXml10 | Attempt to use an adapter with a device with no signals in the state table | Failed to create adapter: No such node (signal) | PASS |
| BadXml11 | Attempt to use an adapter with a device with no signals in the state table | Failed to create adapter: No such node (signal) | PASS |
| BadXml12 | Attempt to use an adapter with a device with an unrecognized signal | Failed to create adapter: The Sst device, SST1, does not recognize the signal: generation | PASS |
| BadXml13 | Attempt to use an adapter with a device of unrecognized type | Unrecognized device type: Golbat | PASS |
| BadXml14 | Attempt to use an adapter with two devices with the same index in the state table | Detected duplicate state index 1 | PASS |
| BadXml15 | Attempt to use an adapter with two devices with the same index in the command table | Detected duplicate command index 1 | PASS |
| BadXml16 | Attempt to use an adapter with an unclosed XML tag | unexpected end of data | PASS |
| BadXml17 | Attempt to use an adapter with an incorrectly-specified host tag | resolve: Host not found (authoritative) | PASS |

| Test Prefix | Description | Expected Result | Result |
|-------------|--|--|-------------------|
| BadXml18 | Attempt to use an adapter with an incorrectly-specified port tag | Failed to connect to localhost:40001 because: Connection refused | PASS |
| BadXml19 | Attempt to use an adapter with one SST in the state table (but not in the command table) | Failed to create adapter: The device SST1 is missing at least one command. | PASS |
| BadXml20 | Attempt to use an adapter with one SST in the command table (but not in the state table) | Failed to create adapter: The device SST1 is missing at least one state. | PASS |
| BadXml21 | Attempt to use an adapter with two state tables | XML contains multiple state tags | PASS |
| BadXml22 | Attempt to use an adapter with two command tables | XML contains multiple command tags | PASS |
| BadXml23 | Attempt to use an adapter that contains a device with two types | Invalid entry at state index = 1: too many subtags | FAIL ² |
| BadXml24 | Attempt to use two adapters with the same name | Multiple adapters share the name: HappyTestAdapter | PASS |
| BadXml25 | Attempt to use two adapters with the same device name in each adapter | Duplicate device ID: SST1. | PASS |
| BadXml26 | Attempt to use two adapters with the same host and port | Synchronous Read Timeout | PASS |
| SingleDgi1 | Use an adapter with one SST | SST Gateway (01): 111.11 | PASS |
| SingleDgi2 | Use an adapter with one SST and one DESD | Net DESD (01): 1111.11, SST Gateway (01): 111.11 | PASS |

²The DGI runs without any warnings

| Test Prefix | Description | Expected Result | Result |
|--------------|--|--|-------------------|
| SingleDgi3 | Use an adapter with one SST and another adapter with one DESD | Net DESD (01): 1111.11, SST Gateway (01): 111.11 | PASS |
| SingleDgi4 | Use an adapter with a device that correctly contains an empty state table | System runs correctly | PASS |
| SingleDgi5 | Use an adapter with a device that correctly contains an empty command table | System runs correctly | FAIL ³ |
| MultipleDgi1 | Five DGI each have an SST. Ensure that normal is computed correctly. | Normal: 30.00 | PASS |
| MultipleDgi2 | Five DGI each have some number of SSTs. Ensure that normal is computed correctly. | Normal: 30.00 | PASS |
| MultipleDgi3 | Five DGI each have an SST but two have active FIDs. Ensure that normal is computed correctly among the non-isolated DGI. | Normal: 30.00 | PASS |

³No such device currently exists in the system, so this cannot be tested.