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## 6 **Redfish Conformance Test Suite Guidance**

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## Foreword

45 The *Redfish Conformance Test Suite Guidance* (DSP-IS0018) was prepared by the Redfish Forum.

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47 management and interoperability. For information about the DMTF, see <http://www.dmtf.org>.

48 This version is the first version of this document. Future changes will be recorded in the change log in  
49 ANNEX A.

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## Conformance Test Suite

51 The following list is recommended by the DMTF Redfish Forum for a conformance test suite. The Redfish  
52 Forum runs these tests on the systems in the Redfish interoperability lab on a regular basis to validate  
53 interoperability. Each test provides an output file that documents the results of the test.

54 All the tests are open source. If issues are found, please submit the issues to the appropriate repository  
55 so they can be addressed.

56 These tests are described below, along with a link to the open source repository.

- 57 • Redfish Service Validator v1.3.9
- 58 • Redfish Protocol Validator v1.0.2
- 59 • Redfish Interop Validator v1.1.7 with the appropriate Redfish profile
- 60 • Redfish Usecase Checker v1.0.6 (recommended)

### 61 Redfish Service Validator

62 This Redfish Service Validator checks the conformance of a Redfish Service implementation against  
63 Redfish CSDL schema. The tool is designed to be device agnostic and is driven based on the Redfish  
64 specifications and schema intended to be supported by the device.

65 The test can be found at <https://github.com/DMTF/Redfish-Service-Validator>.

### 66 Redfish Protocol Validator

67 The Redfish Protocol Validator tests the HTTP protocol behavior of a Redfish service to validate that it  
68 conforms to the Redfish specification.

69 The test can be found at <https://github.com/DMTF/Redfish-Protocol-Validator>

### 70 Redfish Interop Validator

71 The Redfish Interop Validator validates that a Redfish Service conforms to the requirement encapsulated  
72 in a Redfish Interoperability Profile file. The Profile file is designated by the organization requesting the  
73 execution of the conformance test suite.

74 The test can be found at <https://github.com/DMTF/Redfish-Interop-Validator>

### 75 Redfish Usecase Checkers

76 This is a collection of tools to exercise and validate common use cases for DMTF Redfish. The checkers  
77 include that following:

- 78 • One Time Boot Checker
- 79 • Power/Thermal Info Checker
- 80 • Power Control Checker
- 81 • Account Management Checker
- 82 • Query Parameter Checker

83 The tests can be found at <https://github.com/DMTF/Redfish-Usecase-Checkers>.

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**ANNEX A**  
**(informative)**

**Change log**

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1.0.0	2021-05-14	

