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2 **Generic Operations Working Group**
3 **Dated 2008-03-14**
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5 **The information provided below is subject to change and**
6 **reflects the current knowledge of the Working Group.**
7

8 **Management Problem(s) and Environment**

9 Web-Based Enterprise Management (WBEM) provides the ability for the industry to
10 deliver a well-integrated set of standard-based management solutions leveraging
11 Web technologies. WBEM based management is widely utilized in the IT industry.
12 The WBEM architecture in use today is well understood.

13 Any one component of this architecture is potentially a product that may be delivered
14 to enable management. In order for customers to realize the full value of investing in
15 standards for system management, interoperability between products from different
16 vendors is required. In order to achieve interoperability the behavior of, and the
17 interfaces between, the components need to be standardized.

18 In the abstract, WBEM technologies are comprised of data models and operations for
19 accessing and manipulating those models. The available operations are not
20 independently defined, rather they are described within a particular protocol or API.
21 In order to support componentization and extensibility, it is necessary to create a
22 normative definition of the WBEM operations and then separately map/bind them to
23 protocols and APIs.
24

25 **Working Group Charter**

26 The Generic Operations Working Group is responsible for developing specifications
27 of the operations within the WBEM infrastructure.

28 Within the WBEM infrastructure, there are a number of components including:

- 29
- 30 • WBEM clients
 - 31 • WBEM listeners
 - 32 • WBEM servers
 - 33 ○ CIMOM
 - 34 ○ CIM providers
 - 35 ○ Protocol Adapters

36 The WG will be defining WBEM operations for use across the following interfaces:

- 37
- 38 • WBEM client / WBEM server
 - 39 • WBEM listener / WBEM server
 - 40 • CIMOM / CIM provider

41 The WG scope does not include providing the mappings to protocols and APIs. This
42 work will be done by the WG that owns each protocol and API.

42 The WG reports to the Infrastructure Sub-Committee.

43

44 **Alliance Partners**

45 The WG is working with the OASIS WSDM (Web Services Distributed Management)
46 Technical Committee to utilize WSDM to carry CIM-based data.

47 Deliverables of the alliance partnership with The Open Group include implementation
48 experience of and component architectures for WBEM technologies.

49 An alliance is in place with SNIA and coordination is expected with the Management
50 Protocol and Management Application Working Groups.

51

52 **Reliance/Coordination with other WG Models**

53 The team will work with the appropriate working groups under the Infrastructure Sub-
54 Committee and alliance partners that own protocol and API definitions.

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56 **Prior Work**

- 57 • DSP0200 – CIM Operations over HTTP

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59 **Current Work**

- 60 • DSP0223 – Generic Operations Specification
- 61 • DSP8016 – WBEM Operations Message Registry

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63 **DMTF Contacts**

64 Working Group Chair: generic_ops-chair@dmtof.org

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66 **To join the DMTF and/or the WG, see <http://www.dmtf.org/join/>**
67 **and http://www.dmtf.org/apps/org/workgroup/generic_ops/**

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