

EUROPEAN MIDDLEWARE INITIATIVE

MJRA1.16 - RECOMMENDATION OF A COMMON SET OF STANDARDS RELEVANT TO EMI

EC MILESTONE: MS41

Document identifier: **EMI-MS41_v1.0.doc**

Date: **31/07/2011**

Activity: **JRA1**

Lead Partner: **UiO (JUELICH)**

Document status: **Final**

Document link: <http://cdsweb.cern.ch/record/1277527>



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Delivery Slip

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From	Morris Riedel	JUELICH/JRA1	31/05/2011	
Approved by	PEB		07/06/2011	

Document Log

Issue	Date	Comment	Author / Partner
0.1	31/05/2011	Structure after PO clarifications	Morris Riedel / JUELICH
1.0	07/06/2011	v1.0 approved by PEB	PEB

Document Change Record

Issue	Item	Reason for Change

1. MILESTONE REPORT

This milestone refers to the definition of list of open standards which are recommended to be adopted within the project and which should be driven by members of the EMI consortium through active participation in the relevant standardization bodies. This milestone has been achieved as planned, but it was formally reported only at the end of the first year with the addition of the actual standardization implementation status of the EMI 1 distribution.

Table 1 shows a list of open standards relevant to the DCI ecosystem in general and EMI in particular. It includes the reference Standardization Development Organization (SDO) as well as the EMI technical area for each of the standards.

Name	SDO	EMI Area
CDMI	SNIA	Data (Clouds)
GLUE2	OGF	Infrastructure
GridFTP	OGF	Data
JSDL	OGF	Compute
OCCI	OGF	Compute (Clouds)
OGSA-BES	OGF	Compute
NFS4.1/pNFS	IETF	Data
POSIX IO	IEEE	Data
SAML	OASIS	Security
SRM	OGF	Data
WebDAV	IETF	Data
WS-RF	OASIS	n/a
XACML	OASIS	Security

Table 1: List of relevant open standards with their SDOs and corresponding EMI areas

Table 2 shows the status of the undertaken standardization implementation in EMI 1 (more detail are reported in DJRA1.5.1 – Standardization Work Plan and Status Report¹).

¹http://cdsweb.cern.ch/record/1277526/files/EMI-DJRA1.5.1-1277526-Standardization_Workplan-v1.0.pdf

	BDII	ARC Info System	ARGUS	DPM	FTS	A-REX	dCache	CREAM	WMS	VOMS	UNICORE	SToRM
SRM				X			X					X
GridFTP					X		X					
OGSA-BES						X					X	
JSDL						X		X			X	
WS-RF						X					X	
GLUE2	N	N		N	N	N	N	N	N		N	N
XACML			N					N			X	
SAML			N							N	X	
POSIX IO							N					N
NFS4.1/ pNFS				N			N					N
WebDAV							N					

Table 2: Standard adoption in EMI: X = pre-existing, N = new in EMI 1