

# EUROPEAN MIDDLEWARE INITIATIVE

## MJRA1.17 - TEST SUITES OF COMPLIANCE CHECKS IN PLACE

### EU DELIVERABLE: MS42

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## I. DELIVERY SLIP

	Name	Partner/Activity	Date
From	Jon Kerr Nilsen	UIO/JRA1	29/01/13
Approved by	PEB	-	15/02/2013

## II. DOCUMENT LOG

Issue	Date	Comment	Author/Partner
1	29/01/2013	Milestone has been achieved.	Jon Kerr Nilsen/UIO
2	29/01/2013	v1.1 for PEB review	Jon Kerr Nilsen/UIO
3	15/02/2013	v1.0 PEB approved version	PEB

## III. DOCUMENT CHANGE RECORD

Issue	Item	Reason for Change
1		
2		

## IV. DOCUMENT AMENDMENT PROCEDURE

This document can be amended by the authors further to any feedback from other teams or people. Minor changes, such as spelling corrections, content formatting or minor text re-organization not affecting the content and meaning of the document can be applied by the authors without peer review. Other changes must be submitted for peer review and to the EMI PEB for approval.

When the document is modified for any reason, its version number shall be incremented accordingly. The document version number shall follow the standard EMI conventions for document versioning. The document shall be maintained in the CERN CDS repository and be made accessible through the OpenAIRE portal.

## V. GLOSSARY

The complete EMI glossary is available at <https://twiki.cern.ch/twiki/bin/view/EMI/EmiGlossary> .

## VI. COPYRIGHT NOTICE

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## MILESTONE REPORT

Standardization is crucial for wider adoption and acceptance of EMI components. Standards should be implemented properly and allow for interoperation both within and outside EMI software stack. The availability of test suites for checking compliance to standards is essential. Many of the standards EMI products adhere to have numerous existing test suites. This is not the case for the standards created and developed within EMI such as the EMI Execution Service, delegation and the Compute and Storage Accounting Records (CAR and StAR). For these standards, the importance of test suites is not only for testing purposes, but also for ensuring that standards can be used outside of and after the end of the project. The availability of test suites for EMI-developed standards is particularly important for achieving this milestone.

Ten test suites have been identified to test the most important standards followed by EMI products: the EMI Execution Service port types, the OCSP and SHA2 support in CANL, the EMI Compute and Storage Accounting Records, GLUE 2.0, HTTP, WebDAV and NFS4.1. Additionally, a list of products and the tests to run against them as part of the testing and certification process for the EMI 3 Monte Bianco release have been identified. The tests specified in this list will be run as part of a standardization testing campaign [R1] during the EMI 3 release preparations. The SA2 Quality Control activity reports metrics on compliance tests for EMI releases. Metrics are already calculated for EMI 1 and EMI 2 releases. The final quality control report will include EMI 3 releases.

There are more standards followed by EMI products than the ones mentioned above; those not included have seen little or no code changes in the EMI development work and can be considered well tested. For a full list of standards in EMI, consult the milestone report *Transparent use of open standards in the EMI component ecosystem* [R2].

## REFERENCES

R1	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/StandardComplianceTestSuites">https://twiki.cern.ch/twiki/bin/view/EMI/StandardComplianceTestSuites</a>
R2	<a href="https://cds.cern.ch/record/1277531?ln=en">https://cds.cern.ch/record/1277531?ln=en</a>