

EUROPEAN MIDDLEWARE INITIATIVE

CERTIFICATION POLICY

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Table of Contents

EMI Certification Policy.....	1
1. Introduction.....	1
2. Definition.....	1
3. Certification Template.....	1
4. Certification Process.....	2
5. Contacts.....	3
6. Table of References.....	3
7. Logbook.....	3
V3.0 (in progress).....	3
v2.0 (approved 17.03.2011).....	3
v1.0 (approved 28.02.2011).....	3

EMI Certification Policy

1. Introduction

This document describes the EMI policy to be followed when certifying a new version of an EMI software component.

2. Definition

Certification is the action done by a PT on a component release in order to certify that the PT has followed and applied the SA2 policies during the component release development, documentation and testing phases.

3. Certification Template

The following template must be used by PTs to report about the actions performed when releasing a new version of their software components. The use of a common template will simplify the work of the QA activity.

```
*****
* EMI Certification Report *
*****
- Component:

- Savannah task:

- ETICS Subsystem Configuration Name:

- VCS Tag:

- EMI Major Release:

- Platform:

- Author:

- Date:

*****

1. Release Task exists in the Release Tracker with core info properly provided:
  1.1. Proper component name AND version is specified [ Yes/No ]
  1.2. All the relevant RfCs are listed. [ Yes/No ]
  1.3. All the RfCs are "Tested" or "Not Tested" [ Yes/No ]

2. VCS tag is specified in the Release Task: [ Yes/No ]

3. The ETICS configuration is specified in the Release Task: [ Yes/No ]
  3.1. The ETICS configuration is locked: [ Yes/No ]
  3.2. The ETICS configuration can be built in ETICS without errors: [ Yes/No ]

4. Binary packages are available in EMI registered repo:
  4.1. rpms [ Yes/No ]
  4.2. tarballs [ Yes/No ]

5. Source packages are available in EMI registered repo:
  5.1. rpms [ Yes/No ]
  5.2. tarballs [ Yes/No ]

6. List of binary packages are specified in the Release Task: [ Yes/No ]
```

7. List of source packages are specified in the Release Task: [Yes/No]

8. Licence information is provided in the Release Task and the component has an "EMI-compatible" licence: [Yes/No/NA]

Testing

9. Successful in-house deployment of the component from the EMI repo: [Yes/No]

10. The Product Test Plan URL is specified in the Release Task: [Yes/No]

11. The Product Test Report is attached to the Release Task: [Yes/No]

12. The Test Report contains result/logs of :

- 12.1. static code analysis: [Yes/No/NA]
- 12.2. unit tests: [Yes/No/NA]
- 12.3. deployment tests: [Yes/No/NA]
- 12.4. functionality tests: [Yes/No/NA]
- 12.5. regression tests: [Yes/No/NA]
- 12.6. standard conformance tests: [Yes/No/NA]
- 12.7. performance tests: [Yes/No/NA]
- 12.8. scalability tests: [Yes/No/NA]

Documentation

13. Component Release Notes are provided in the task: [Yes/No]

14. Are there documentation changes in this release? [Yes/No]

15. If Yes, are the changes reported in the Component Release Notes? [Yes/No/NA]

16. Up-to-date Minimum Required Documentation URLs are specified in the Release Task for:

- 16.1: Functional Description [Yes/No/NA]
- 16.2: User Guide [Yes/No/NA]
- 16.3: Client Installation and Configuration [Yes/No/NA]
- 16.4: System Administrator Guide [Yes/No/NA]
- 16.5: Service Reference Card [Yes/No/NA]

REMARKS:

4. Certification Process

PTs must certify that they have followed and applied the SA2 policies while developing, documenting and testing any new version of their software components.

Certifying a new version of a component has to be **ALWAYS** done for each EMI major release and supported platform, including Emergency Releases. For example, imagine EMI-1 and EMI-2 are the two major EMI releases supported, and you have to do a minor release of component `emi-sherpa` which fixes some bugs present in both EMI-1 and EMI-2. Imagine that EMI-1 is supported in SL5 and EMI-2 is supported in SL6 and Debian 6. You will need to certify:

- `emi-sherpa` for EMI-1 SL5
- `emi-sherpa` for EMI-2 SL6
- `emi-sherpa` for EMI-2 Debian 6

The certification report is the output of the certification process. The certification report must be included in the corresponding component release task tracked in the EMI release tracker [R1].

Follow the EMI Component Release Check List [R2] to know what needs to be done, step by step, to release a new EMI software component version and use the Certification Template at the same time to report on every completed step.

5. Contacts

EMI SA2

6. Table of References

Reference	URL
R1	EMI Release Tracker https://savannah.cern.ch/task/?group=emi-releases
R2	EMI Component Release Check List https://twiki.cern.ch/twiki/bin/view/EMI/EMIReleaseChecklist

7. Logbook

Details Hide Details

V3.0 (in progress)

- *13.07.2011*:
 - ◆ Reorganisation of the report.
 - ◆ Added information on documentation changes + confirmation that this is reported in the release notes.
 - ◆ Changed `Fixed` with `Tested/Not Tested` for the RfCs.
 - ◆ Added that ETICS configurations have to be locked.
- *31.03.2011*: Update certification report: aligned certification report with documentation policy.

v2.0 (approved 17.03.2011)

- *17.03.2011*:
 - ◆ Feedback from Balasz after RC1 exercise:
 - ◇ Update Certification Report. Point 13 should state whether RfCs have been fixed or not, instead of describing whether they have been certified or not.
 - ◇ Update Certification Report: New Point 14 to confirm whether succesfull in-house deployment of the Component has happened. * Feedback from Krysstof (UNICORE):
 - ◇ Update Certification Report: Add specific check for rpms and tarballs for sources and binaries.

v1.0 (approved 28.02.2011)

- *03.03.2011*: feedback from training. Improve Certification Report template to clarify that ETICS configuration name refers to the subsystem. (I'm not creating a new version because of this change since it's a minor change).
- *22.02.2011*: meeting with PEB. Improvements done after their feedback.
- *21.02.2011*: First draft prepared.