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# EMI Certification Policy

Latest approved version of this policy
<a href="#">17.03.2011: EMI_SA2_Certification_v_2_0.pdf</a>

Quick links
<a href="#">Certification Report Template</a>
<a href="#">EMI Component Release Check List</a>

## Introduction

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

## 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.

## 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. CR entry 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 RfCs corresponding to the CR listed [yes/no]

2. VCS tag available: [yes/no]

3. Etics configuration available: [yes/no]

4. The CR can be built in ETICS without errors: [yes/no]

5. Binary packages are available in EMI registered repo: [yes/no]
```

- 5.1. rpms [yes/no]
- 5.2. tarballs [yes/no]
- 6. Source packages are available in EMI registered repo:
  - 6.1. rpms [yes/no]
  - 6.2. tarballs [yes/no]
- 7. List of binary packages are specified in the tracker: [yes/no]
- 8. List of source packages are specified in the tracker: [yes/no]
- 9. Test Plan exists and it's specified in the tracker: [yes/no]
- 10. The CR testing has been performed and the Test Report is attached to the tracker. The report
  - 10.1. result of static code analysis [yes/no/na]
  - 10.2. unit test execution [yes/no/na]
  - 10.3. logs of deployment tests [yes/no]
  - 10.4. result/logs of functionality tests [yes/no]
  - 10.5. result/logs of regression tests [yes/no/na]
  - 10.6. result/logs of standard conformance tests [yes/no/na]
  - 10.7. result/logs of performance tests [yes/no/na]
  - 10.8. result/logs of scalability tests [yes/no/na]
- 11. Minimum Required Documentation is complete:
  - 11.1: up-to-date User Documentation is available and specified in the tracker [yes/no]
  - 11.2: up-to-date Installation guide is available and specified in the tracker [yes/no]
  - 11.3: up-to-date Troubleshooting guide is available and specified in the tracker [yes/no/na]
  - 11.4: up-to-date Service Reference Card [yes/no]
- 12. Component Release notes are provided in the tracker [yes/no]
- 13. All the RfCs of the component release listed on the RC tracker are "Fixed" [yes/no]
- 14. Successful in-house deployment of the component from the EMI repo [yes/no]
- 15. Licence information is provided in the tracker and the component has an "EMI-compatible" license

\*\*\*\*\*  
REMARKS:

## 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.

Follow the EMI Component Release Check List 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.

## Contacts

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## Logbook

### v1.0 (approved 28.02.2011)

- *21st February 2011*: First draft prepared.
- *22nd February 2011*: meeting with PEB. Improvements done after their feedback.
- *3rd March 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).

### v2.0 (approved 17.03.2011)

- *17th March 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.
- *17th March 2011*: Feedback from Krysztof (UNICORE):
  - ◆ Update Certification Report: Add specific check for rpms and tarballs for sources and binaries.

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This topic: EMI > EmiSa2CertPolicy

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