

# HEPCG in LCG

## Possibilities to integrate HEP CG developments in LCG

Markus Mechtel

4<sup>th</sup> HEP CG Workshop, Siegen

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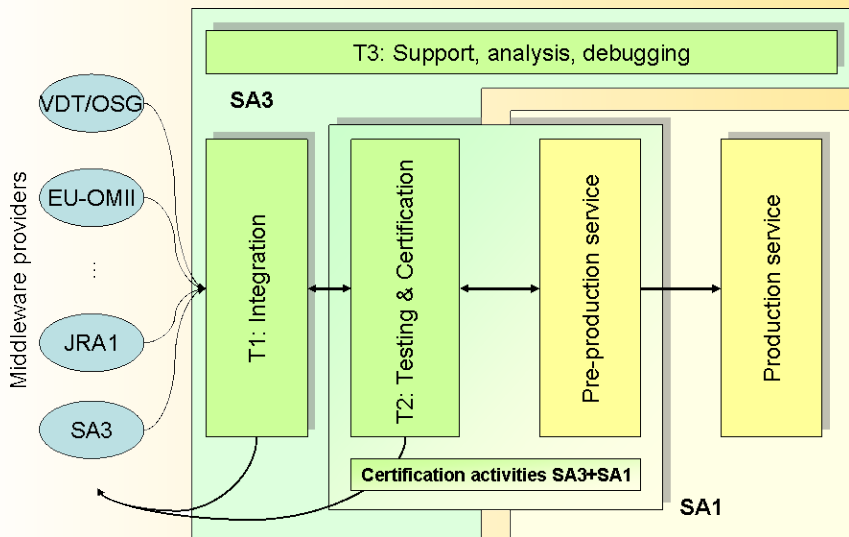


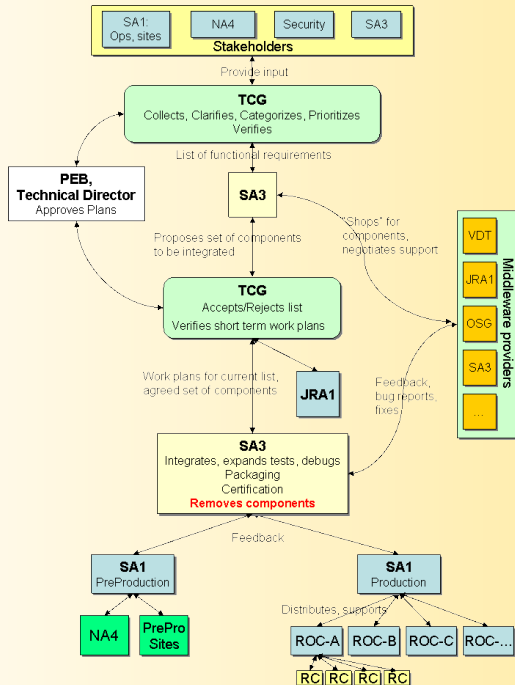


1 EGEE software process

2 ETICS

3 Summary





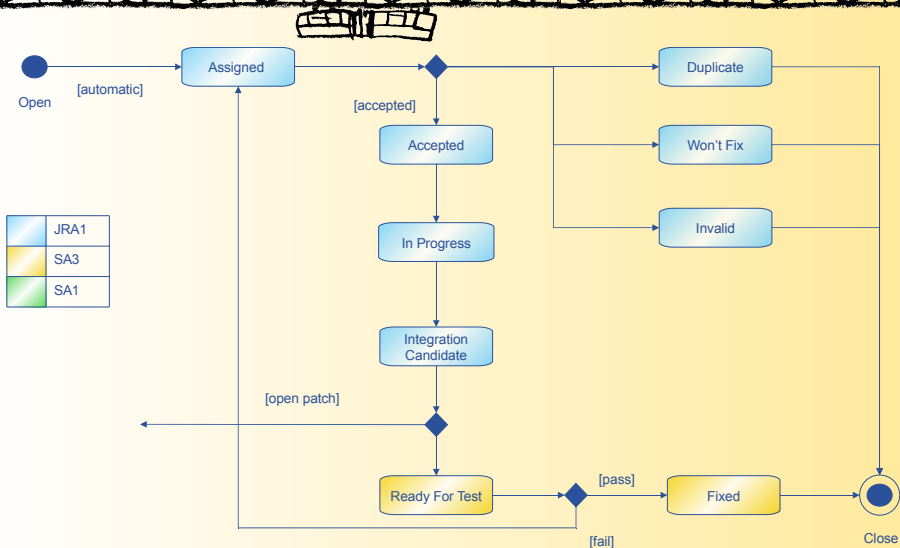


- EGEE Technical Director
- Security representative
- JRA1 (middleware development)
- SA1 (operations)
- SA3 (integration, testing and interoperation)
- NA4 (Users)
- Two sysadmins representing the sites
- The experiments task force leaders (one for each LHC experiment)
- Invited experts

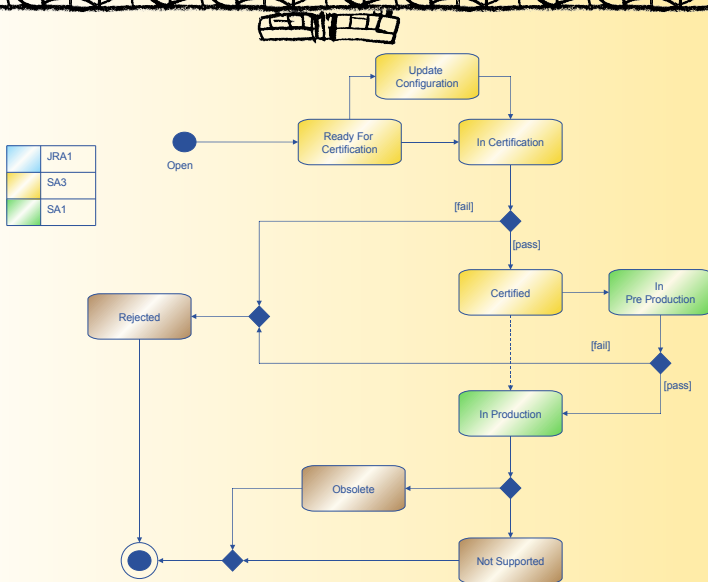


Subsystem Bug Manager	Manages bugs in the subsystem
Developer	Investigating bugs and provides a solution
Subsystem Integrator	Releasing components and subsystems
Integration Manager	Responsible for the software repositories
Certification Manager	Responsible for certification
Pre-Production Manager	Responsible for the pre production
Production Manager	Responsible for the production system
Release Manager	<ul style="list-style-type: none"><li>• Responsible for overall coordination</li></ul>
	<ul style="list-style-type: none"><li>• Tracking priority bugs</li></ul>
	<ul style="list-style-type: none"><li>• Pulling patches into the certification</li></ul>
	<ul style="list-style-type: none"><li>• Ensuring that software has been tested</li></ul>
	<ul style="list-style-type: none"><li>• Releasing software to the pre production and production</li></ul>

# Bug handling process



# Patch handling process







main software management tools

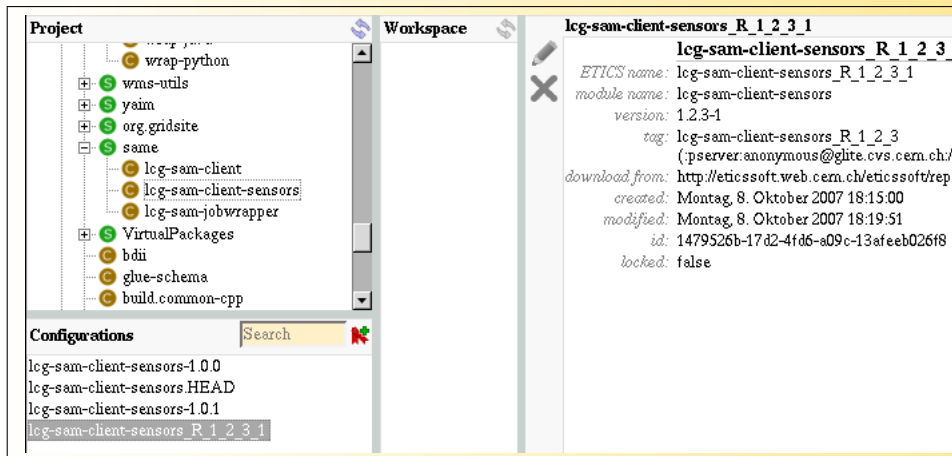
- Savannah (bug tracking system)
- ETICS (release management system)



**E** -Infrastructure for  
**T** esting,  
**I** ntegration and  
**C** onfiguration of  
**S** oftware

<https://etics.cern.ch:8443/etics/>





The screenshot displays the ETICS web application interface, which is divided into several panels:

- Project:** A tree view showing a hierarchy of projects. The 'lcg-sam-client-sensors' project is selected and highlighted. Other visible projects include 'wrap-python', 'wms-utils', 'yaim', 'org.gridsite', 'same', 'VirtualPackages', 'bdii', 'glue-schema', and 'build.common-cpp'.
- Workspace:** An empty area for workspace management.
- lcg-sam-client-sensors\_R\_1\_2\_3\_1:** A panel showing details for the selected project. It includes a pencil icon for editing and a red 'X' icon for deletion. The details are as follows:
  - ETICS name:** lcg-sam-client-sensors\_R\_1\_2\_3\_1
  - module name:** lcg-sam-client-sensors
  - version:** 1.2.3-1
  - tag:** lcg-sam-client-sensors\_R\_1\_2\_3
  - (pserver:anonymous@glite.cvs.cern.ch/)**
  - download from:** <http://eticsoft.web.cern.ch/eticsoft/rep>
  - created:** Montag, 8. Oktober 2007 18:15:00
  - modified:** Montag, 8. Oktober 2007 18:19:51
  - id:** 1479526b-17d2-4fd6-a09c-13afeeb026f8
  - locked:** false
- Configurations:** A list of configurations with a search bar. The configurations listed are:
  - lcg-sam-client-sensors-1.0.0
  - lcg-sam-client-sensors.HEAD
  - lcg-sam-client-sensors-1.0.1
  - lcg-sam-client-sensors\_R\_1\_2\_3\_1 (highlighted)



- multi-level tests
- Virtualisation
- local tests
- tests on external nodes



## main requirements for reaching production status

- complete documentation
  - operations guide
  - user manual
  - configuration
  - port list
  - issues
  - ...
- test procedures
- long-term support



- create a release package
- contact TCG
- TCG decides whether the component should go to the stack
- create a workspace in ETICS to manage releases

## Alternative

- NA4 provides repository for useful software, not integrated into gLite



Software process described in detail at  
<https://edms.cern.ch/document/724371>

creation of an ETICS workspace  
<https://twiki.cern.ch/twiki/bin/view/EGEE/DevelopersGuide>