

Developers guide

*Elisabetta Molinari
JRA1 All Hands – Catania 7-9 March 2007*

- **A developer's guide for developers:**
 - Also an official EGEE milestone document, so it **MUST** be done by March 16th
- **Contains information on**
 - CVS usage
 - Build System
 - Coding Guidelines
 - Software process
 - And quality
- **Jointly produced between JRA1 and SA3**
- **You can find the current version at:**
 - <http://edms.cern.ch/document/790125/0.3>

- **1. Introduction (small updates)**
- **2. Executive summary (fully to be done - should be done at the end)**
- **3. Quick start guide (fully to be done - should be done at the end)**
- **4. Software Configuration and version control (mostly done)**
- **5. The build system (ETICS)**
- **6. Environment (updates necessary)**
- **7. Coding guidelines (discussion/updates)**
- **8. Interfaces and APIs (small updates)**
- **9. Documentation (small updates)**
- **10. Software Packaging (larger update - material to be added)**
- **11. Release Management (updates, ETICS updates)**
- **12. Test and validation process (to be checked)**
- **13. Software defects and change tracking (mostly done)**
- **14. Quality standards (discussion needed)**
- **15. Coding examples (C++ examples missing)**
- **16. Bibliography**

Chapters status summary:

- 1, 4 and 13 have been updated
- 5, 10 and 11 are being updated by SA3-Cern
- 9 being updated by Yuri Demchenko
- 3. Quick Start Guide:
 - how to get developers started as quickly as possible
 - Step by step example to create / import / build a new module
 - Pointers to specific areas:
 - CVS, checkout components, run build...
- 2. Executive summary
- 6. Environment:
 - Logging Format
 - Error codes
 - Information service: publishing and service discovery
- 7. Coding Guidelines

Chapters status summary cont'd:

- **8. Interfaces and APIs:** cross read but most should be okay
- **12. Test and Validation problem**
- **14. Quality Standards:**
 - Should we add a chapter or should we just have an external link to the quality assurance parts of the project where the coding standards and guidelines should be, as laid down by the JRA2 Quality Assurance & Security Coordination and adhered to by the developers? (as suggested via mail by Alastair Duncan)
- **15. Coding Examples:**
 - Update Licenses
 - C, C++ example
- **16: Bibliography**

- **Some confirmed volunteers from last meeting**
 - Paolo Badino
 - Alastair Duncan -> chapter 14
 - Francesco Giacomini -> chapters: 7, 15
 - Ales Krenek -> chapter 6