JRA2: Quality Assurance & Security Coordination

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- **Deliverables & milestones**

- **Progress and status**

- **Issues**

- **Future plans**

- **Progress on EU recommendations from 2nd and 3rd review**

- **Summary of metrics status**

Deliverables & milestones

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M	Id	Title	Status
	QA		
3	MJRA2.1	QA document templates and processes	Done
3	DJRA2.1.1	Quality Plan and Measurement Plan	Done
11	DJRA2.1.2	Annual Report on quality status	In preparation
22	DJRA2.1.3	Final report on quality status	
	Security		
3	MJRA2.2.1	Agreed Security Audit Plan	Done
6	MJRA2.2.2	1st EU Security workshop	Done
11	DJRA2.2.1	Annual Report on the Collective EGEE-II Security Status	In preparation
12	MJRA2.2.3	2nd EU Security workshop	Done (report TBD)
18	MJRA2.2.4	3rd EU Security workshop	
22	DJRA2.2.2	Final Report on the Collective EGEE-II Security Status	
24	MJRA2.2.5	4th EU Security workshop	

- **Quality Assurance**
  - Providing EGEE Measurement Plan
    https://edms.cern.ch/document/771790
    - Including Overall metrics; Activity metrics; Partner metrics
  - Organisation of "Industry QA standards" (Serono, Sun, CS SI, Engineering) session at EGEE'06 conference - This session was dedicated to the presentation of concrete experiences and benefits of the implementation of Quality standards such us ITIL, CMMi, ISO.
  - Metrics follow-up - In particular make sure the Partner Metrics will be fully implemented for Q3
  - LFC performance analyse (Etienne URBAH working within SA3)
    https://edms.cern.ch/document/811845/
  - Starting collaboration with « dashboard » team
  - Coordinating ITF

- **Security Coordination Group (SCG)**
  - Security auditing preparation through partners from outside of EGEE-II
    - *Following the MJRA2.1.1 Agreed Security Audit Plan*
    - *PriceWaterhouseCoopers (PWC)*
    - *Bhabha Atomic Research Center (BARC) through the EUIndiaGrid project*
  - Ongoing discussions/preparations with the Open Science Centre in the US. This is between the US developers of the proposed security auditing system and the security developers to use the system on the EGEE side.
  - Preparation of a draft syslog guidelines document
  - Preparation of the Annual Report on the Collective EGEE-II Security Status, DJRA2.2.1
- **Middleware Security Group (MWSG)**
  - 10th MWSG meeting (14-15 November, 2006)
    - *EGEE/OSG/UNICORE interop focus*
    - *Collaboration efforts towards OMII-Europe*
      - *Attending OMII-Europe Project Mgmt Committee meetings regularly, as EGEE Security representative*

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- **Quality Assurance**
  - Prepare EU review

  - Make sure the Partner Metrics will be fully implemented for Q3 and first assessments provided

  - Start working on the "dashboard" tool

  - Provide DJRA2.1.2 "Annual Report on quality status"

  - ITIL (background activity)
    - ITIL presentation to QAG (Introduction to ITIL)
    - Evaluation of ITIL implementation for SA2

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- **Security Coordination Group (SCG)**
  - Security auditing work through partners from outside of EGEE-II
    - *Following the MJRA2.1.1 Agreed Security Audit Plan*
    - *PriceWaterhouseCoopers (PWC)*
    - *Bhabha Atomic Research Center (BARC) through the EUIndiaGrid project*
  - Collaboration work with Open Science Centre in the US. This is between the US developers of the proposed security auditing system and the security developers to use the system on the EGEE side.
  - Delivery of the Annual Report on the Collective EGEE-II Security Status, DJRA2.2.1
- **Middleware Security Group (MWSG)**
  - 11th MWSG to be held in San DIego (March 1-2, 2007)
    - *EGEE/OSG interop focus*

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- ## Quality Assurance

Partner	Last Name First Name	FTE forseen	Main tasks
CS SI	Zaquine Gabriel	1	QA coordination
CNRS/LAL	Urbah Etienne	1	Etienne started by September 2006
CNRS/LAL	x	1	Not yet provided
KTH	Edlund Ake	1	Security Coordination
	Total PM forecast	67	
	Total PM from TA	96	

- ## Security coordination
  - JRA1/Security architect vacancy
    - Mitigation: Ake and Bob Cowles sharing the MWSG chair. Bob for US meetings, Ake for RoW meetings
    - Still unsolved: Need of JRA1/Security architect for the updates of the security architecture, TCG, EMT and more
      - Mitigation: hired one developer (from KTH) to the JRA1/Security *cluster. Started 1st of January.*

- **23: Fully complete the implementation of recommendation 33 of the second project review**
  - 33:Establish key benchmark applications, with an understanding of their gating factors so that it can be predicted how new middleware releases will affect their stability, usability, performance, etc.
    - The Geant4 application has already been instrumented as application benchmark. Geant4 (www.cern.ch/geant4). The Geant4 application is CPU-intensive simulation and the benchmarks are focussed on WMS performance.
    - The project has also decided to invest on tools such as "Dashboard" web interfaces:
      - LCG site jobs efficiency and errors analyse
      - ATLAS job monitoring and monitoring of ATLAS distributed data management
      - ALICE data transfers
      - http://dashboard.cern.ch/cms http://dashboard.cern.ch/atlas http://dashboard.cern.ch/lhcb http://dashboard.cern.ch/alice

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- **24: Continue to follow standards and best practices for IT service management such as ISO/IEC 20000-1/-2:2005 and ITIL.**
  - Organisation of "Industry QA standards" session at EGEE'06 conference (Serono, Sun, CS SI, Engineering) dedicated to the presentation of concrete experiences and benefits of the implementation of Quality standards such us ITIL, CMMi, ISO
    - <u>QA standards overview and Serono implementation choices and benefits</u>: 45' (Serono)
      - *Introduction to QA standards such as Service Management (ITIL, ISO/IEC 20000-1/-2:2005)- CMMi- Quality Management ISO 9001,- Security Management ISO 2700*
      - *Serono Implementation choices and benefits*
    - <u>The benefits of implementing ITIL for GEANT Network Operation Center</u>: 30' (CSSI)
      - *CSSI as industrial contractor is responsible for the operation management of the Network Operation Center (NOC). The presentation highlights the benefits of implementing ITIL for GEANT NOC*
    - <u>Key elements for building an IT service quality model</u>: 30' (Sun Micro Systems)
      - *The presentation will focus on lessons learnt and experience sharing for building IT services based on ITIL and Sun Operations Management Capabilities Model (OMCM).*
    - <u>CMMi level 3 certification process within Enginneering Ingegneria Informatica</u>: 30' (Enginneering Ingegneria Informatica)
      - *The presentation covers: QA certification in Enginneering, reasons and objectives; How Engineering applied QA CMMi certification to its complex organisational model; the concrete process followed in getting the certification*
  - In preparation - ITIL presentation to QAG (Introduction to ITIL), followed with an evaluation of ITIL implementation for SA2

- **25: Ensure that sufficient resources are allocated right from the project start.**
  - The QAG composed by Quality representative from each activity has been constituted from the project start
- **26: Implement awareness and training programs for all project members.**
  - Dedicated QA sessions opened to all members have been organised during the first EGEE-II conference in September 2006.
  - ITIL presentation to QAG (Introduction to ITIL) is in preparation, and will be followed with an evaluation of ITIL implementation for SA2
- **27: Coordinate with respective best practices in the security domain.**
  (Build all security-related considerations on the best practices described in the international ISO/IEC 17799:2005 standard "Code of practice for information security management").
  - In EGEE-II, JRA2 is hosting the overall security coordination for the project. This facilitates the coordination for QA security management
  - Ongoing. Security audit plan is, on the long term, aiming at this

- **28. Fully complete the implementation of recommendations 34, 35, 37, 38, 39 of the second project review**
  - Completed. Continuous ongoing effort

- **29. Build all security-related considerations on the best practices described in the international ISO/IEC 17799:2005 standard "Code of practice for information security management"**
  - Ongoing. Security audit plan is, on the long term, aiming at this

- **30. Achieve full management commitment and allocate sufficient resources**
  - Ongoing. Is part of the detailed planning of the security audits.
  - Issue: security architect vacancy

- **31. Implement awareness and training programs for all project members, service suppliers, business partners and customers**
  - Not started

- **32. Implement a periodic Plan – Do – Check – Act improvement cycle with management reviews at planned intervals**
  - Ongoing. As part of the security audit plan. See MJRA2.2.1

- **SA1**
  - The SEE, CE federations review was fruitful (07/08 November 2006 - Athens). Report is preparation
  - The second federations review (Germany, France, South West and Russia) will be in Karlsruhe at FZK from Tuesday 6 to Thursday 8 February
    http://egee-docs.web.cern.ch/egee-docs/list.php?dir=./roc_managers/par/&

- **NA4**
  - Not yet provided - Difficulty to get metrics from partners

- **NA2**
  - Partner metrics were available from Q2 – First assessment will be provided by Q3

- **NA3**
  - Difficulty to get metrics from partners
  - The first set of metrics has been provided in December 2006

- **JRA1, SA2, SA3**
  - Assessment by the Activity manager

- **NA4**
  - Number of people benefiting from the existence of the EGEE infrastructure
  - Number of application domains making use of the EGEE infrastructure (to be standardised within the project)
  - Number of organisations making use of the EGEE infrastructure
- **NA3**
  - Number of attendees trained