

SA2 Tasks

Description of Work and Partners

- **SA2.1 – Work Package coordination (Task leader: CERN, all partners participate to the meetings and reviews)**

This task deals with the regular coordination of the Work Package, reporting and review of milestones and deliverables.

- **SA2.2 – Quality Assurance Process Definition and Monitoring (Task leader: CERN. Participants: CINECA, INFN, UPJS)**

This task deals with the **definition of a standards-compliant software engineering process** and the continual activity of **monitoring its correct application within the activities** of the EMI project. The success criteria of this task are the availability of an agreed, documented and regularly updated process and the minimization of deviation in its application by the project membe

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- **SA2.3 – Metrics and KPIs Definition and Reporting (Task leader: CERN. Participants: TCD)**

This task deals with the **definition and continual collection and reporting of software quality metrics** according to the A-QCM model or other suitable models. This task **provides information to the Project Executive Board** and other project decisional bodies on the status of the software as an instrument to take corrective actions. The success criteria of this task are the **regular production of reports** and their use to identify improvement areas.

- **SA2.4 – Tools and Repositories Selection, Maintenance and Integration (Task leader: CERN. Participants: CINECA, GRNET, INFN, UPJS)**

This task deals with the definition and when necessary maintenance of the **tools required to support the QA process**. The task includes any supporting activity to software providers to **integrate required information to and from other tools** maintained outside the EMI project. The task also include the **setup and maintenance of repositories for storing the EMI software packages, tests, build and test reports and metrics generated** during all software development activities within EMI.

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- **SA2.5 – QA Implementation Review and Support (Task leader: UPJS. Participants: CERN, INFN, TCD, UPJS)**

This task includes **review activities of the QA, test and certification** implementations done by the Product Teams, such as sample **review of test plans and tests, compliance with packaging and porting guidelines, validation of documentation**, etc. The task also includes **supporting the Product Teams in effective design and implementation of tests** to be used with testing tools such as ETICS. The success criterion for this task is the correct usage of tools and procedures by all project members to be measured by regular surveys and verifications

- **SA2.6 – Testbeds Setup, Maintenance and Coordination (Task leader: INFN. Participants: CERN, CESNET, FZJ)**

This task consists in the **setup and maintenance of distributed testbeds** for the project continuous integration and testing operations and the **coordination and provision of larger-scale testbeds from collaborating resource providers**. The success criteria for this task are the availability and reliability metrics of the execution nodes.