



JISC WORK PACKAGE

Before completing this template please note:

- *The Project Management Guidelines have detailed instructions for preparing project plans and work packages..*
- *Please expand tables as appropriate.*
- *Fill in the information for the header, e.g. project acronym, version, and date.*
- *Text in italics is explanatory and should be deleted in completed documents.*

WORKPACKAGES	Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1:		X	X	X																					
2:				X	X	X	X																		
3:								X	X	X	X	X	X												
4:								X	X	X	X	X	X	X	X	X									
5:		X						X		X	X	X	X	X	X	X									
6:																									
7:																									
8:																									
9:																									
10:																									

Project start date: *01st Jan 2010*

Project completion date: *31st Mar 2011*

Duration: 15 months

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
YEAR 1 & YEAR 2					
WORKPACKAGE 1: Requirements Analysis and Use Cases					
<u>Objective:</u> To Define requirements and use cases outlining why and how a proxy certificate auditing infrastructure is required.					
1. Collection and analysis of requirements on a proxy certificate auditing infrastructure	1 st Jan 2010	31 st Jan 2010	Documentation of domain and provider-specific requirements on a proxy credential auditing infrastructure including perceived and actual risk assessment	Del 1.1	Christopher Bayliss & David Martin
2. Definition of use cases for proxy certificate auditing infrastructure from application domains	1 st Feb 2010	31 st Mar 2010	Documentation of use case scenarios for proxy credential auditing from domains such as nanoCMOS, DAMES, NeISS and ENROLLER.	Del 1.2	Christopher Bayliss & David Martin
WORKPACKAGE 2: Establishment of Proxy Certificate Auditing Service and Test Platform					
<u>Objective:</u> To develop an auditing service to track the usage of proxy certificates and test it on a test platform established					
3. Establishment of GSI-audit enabled service on test platform utilizing software from Globus Incubator project	1 st Mar 2010	30 th Apr 2010	An original GSI-audit enabled auditing service (from other project) deployed and tested on a test platform created	Del 2.1	RA from TVU & Christopher Bayliss / David Martin
4. Development of auditing service to track the	1 st Apr	30 th May	An auditing service which can track the	Del 2.2	RA from TVU &

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
usage of proxy certificates in Globus based on modification/extension of existing software	2010	2010	usage of proxy certificates in Globus		Christopher Bayliss / David Martin
5. Initial testing of proxy certificate auditing service with simple exemplars	1 st May 2010	30 th Jun 2010	An auditing service that can track the usage of proxy certificates, which has been demonstrated with exemplars	Del 2.3	RA from TVU & Christopher Bayliss / David Martin
WORKPACKAGE 3: Monitoring, Training and Prediction of Proxy Certificate					
Objective:					
To further develop the auditing service for monitoring, training and prediction of proxy certificate usage					
6. Capturing of usage trends of proxy certificates in application domains	1 st Jul 2010	30 th Sep 2010	An auditing service which can analyse the trend of proxy certificate usage	Del 3.1	Christopher Bayliss / David Martin & RA from TVU
7. Development and training of algorithms to capture typical usage of proxy certificates in given VOs	1 st Oct 2010	30 th Nov 2010	An auditing service which can be used for VO-level auditing of proxy certificate usage	Del 3.2	Christopher Bayliss / David Martin & RA from TVU
8. Testing of proxy certificate usages to predict VO-level usage	1 st Dec 2010	31 st Dec 2010	An auditing service which can predicate VO-level proxy certificate usage	Del 3.3	Christopher Bayliss / David Martin & RA from TVU

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
WORKPACKAGE 4: Case Study Implementations					
Objective:					
To implement case study of the proxy certificate auditing service					
9. Development of use cases of the proxy certificate auditing service	1 st Jul 2010	31 st Dec 2010	Example applications such as nanoCMOS, DAMES, NeISS and ENROLLER to use the auditing service developed	Del 4.1	Christopher Bayliss / David Martin & RA from TVU
10. Extension of nanoCMOS atomistic service simulation to use NGS, ScotGrid, TeraGrid and D-Grid	1 st Jan 2011	31 st March 2011	Demonstrated use of the auditing service in an international setting including use of the NGS, ScotGrid, TeraGrid and D-Grid	Del 4.2	Christopher Bayliss / David Martin & RA from TVU
WORKPACKAGE 5: Management, Outreach and Technology Transfer					
Objective:					
To manage the project, and disseminate project outcomes					
11. Project work plan and planning	1 st Jan 2010	31 st Jan 2010	Documentation of project plan	Del 5.1	Wei Jie & Richard Sinnott
12. Establishment of project management system and software management system include project website, wiki, code versioning system, etc	1 st Jan 2010	31 st Jan 2010	Project management system and software management system	Del 5.2	Christopher Bayliss / David Martin
13. Workshops and training on the proxy certificate auditing service	1 st workshop on 7 th month	2 nd workshop on 14 th month	Software demonstration and documentation on user/admin guides, reports on user experiences	Del 5.3	Christopher Bayliss / David Martin & RA from TVU

Project Acronym: APCAI
 Version: 1.0
 Contact: Dr Wei Jie, Prof Richard Sinnott
 Date: 12th Jan 2010

Workpackage and activity	Earliest start date	Latest completion date	Outputs (clearly indicate deliverables & reports in bold)	Milestone	Responsibility
14. Integration of proxy certificate auditing service into NGS	1 st Sep 2010	31 st Mar 2011	Proxy certification auditing infrastructure available to the NGS for longer term auditing and monitoring purposes of its customer and research base	Del 5.4	Christopher Bayliss / David Martin & RA from TVU

Members of Project Team:

Dr Wei Jie, Prof Richard Sinnott, Christopher Bayliss, David Martin, 1 RA from TVU