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# Systemic Infrastructure Initiative Reporting Requirements

There are two parts to the Reporting Requirements, both of which need to be completed.

The first part is called **A. Summary of Progress Report**, which is included with this document. It should include a Summary of the Project, Management Arrangements for the Project, and a Report on Progress to Date.

The second part is called **B. Cash Flow Report**, which should show the Source of Funds (Income), Application of Funds (Expenditure) and Net Result (Surplus/Loss).

Please download and complete both reports and return them as email attachments to: [anne.herbert@dest.gov.au](mailto:anne.herbert@dest.gov.au)

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*Please complete the following information.*

**I have completed and attached the following information:**

- A. Summary of Progress Report**
- B. Cash Flow Report**

*I understand that giving false or misleading information is a serious offence.*

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| <b>Project Manager:</b> | <b>Nick Tate</b>   |
| <b>Contact Details</b>  | <b>Ph: (07) 3365 3521</b>  |
|                         | <b>Email: <a href="mailto:n.tate@its.uq.edu.au">n.tate@its.uq.edu.au</a></b> |
| <b>Report Date:</b>     | <b>31st of July 2007</b>   |

"Information on this form is collected in order to fulfil the reporting requirements of the Systemic Infrastructure Initiative Agreement. The information collected may be passed to the Minister for Education, Science and Training. In other instances, information on this form can be disclosed without your consent where authorised or required by law."

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## A. Summary of Progress Report

The University of Queensland

Australian Access Federation

Reporting Period: 1<sup>st</sup> January to 30<sup>th</sup> June 2007

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| <p><b>Summary of the Project:</b></p> <p>Please include:</p> <ul style="list-style-type: none"><li>• Expected outcomes</li><li>• Dependence on third parties or other projects</li><li>• Major milestones</li></ul> <p>Commencement Date:<br/>01/03/2007</p> <p>Expected Completion Date:<br/>31<sup>st</sup> December 2008</p> | <p>The Australian Access Federation Project aims to establish a formal Trust Federation which, with its policy framework and infrastructure, may facilitate trusted electronic communications and collaboration within and between higher education and research institutions both locally and internationally as well as with other organizations. This project builds on the existing DEST funded work in the first phase of the e-Security Framework project (based at the University of Queensland) and the MAMS (Meta Access Management System project, based at Macquarie University).</p> <p>Part of this project is dependent on the progress made by the MAMS Shibboleth and the eSecurity Framework projects.</p> <p>This Project involves three linked components:</p> <p><b>Part 1:</b> The development of overarching governance and policies for the whole Trust Federation (these are independent of delivery technologies);</p> <p><b>Part 2:</b> The development of specific policies, technical implementation and rollout of PKI for a Trust Federation; and</p> <p><b>Part 3:</b> The development of specific policies, technical implementation and rollout of Shibboleth for a Trust Federation.</p> <p>The University of Queensland has contracted AusCERT to develop the first 2 components of this project and has contracted Macquarie University to develop the 3<sup>rd</sup> component.</p> <p>The project plan has been agreed by the Steering Committee.</p> <p>Please find below a list of the major milestones to be achieved during this project by its components:</p> <p><b><i>Phase 1 – Q3 – Q4 2007</i></b></p> <p><b>AAF Governance</b></p> <ul style="list-style-type: none"><li>• Propose and Review of type of entity for management of the Trust Federation.</li><li>• Review and consolidate existing policy and governance recommendations from prior work (especially MAMS and e-Security).<ul style="list-style-type: none"><li>○ Attribute Policy</li><li>○ Credential Policy</li><li>○ Identification Policy</li></ul></li><li>• Propose business model requirements for ongoing support (staffing requirements and costs for users of the Trust Federation).</li></ul> <p><b>AAF PKI</b></p> <ul style="list-style-type: none"><li>• Develop the processes, procedures, policies and technical specifications required for a production Public Key Infrastructure (PKI) for the Australian Higher Education and Research Federation</li><li>• Develop a secure infrastructure to support a production PKI for the sector, using appropriate international standards</li><li>• Develop AusCERT Root CA/RA, Sub CA/RA, Grid CA, Trusted CA, Server CA, Validation and Recovery Service.</li></ul> |
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**AAF Shibboleth**

- Develop technical policies for Shibboleth Trust Federation
- Develop/test technology required for joining the Shibboleth Trust Federation as an Identity Provider
- Develop/test technology required for joining the Shibboleth Trust Federation as a Service Provider
- Support for early adoption of Shibboleth among Australian universities (including continuation of MAMS mini-grant program)

***Phase 2 – Q1 – Q2 2008*****AAF Governance**

- Develop policy and governance for Trust Federation management entity
  - Federation operation procedures
  - Development of an FAQ
  - Membership Agreement development
  - Federation Participation Guidelines
    - Application Submission Guidelines
    - Fee schedule
- Legal review of Trust Federation requirements
- Wide consultation on the policy, governance and organisation of the Trust Federation
  - Formal call for review from the community
- Development of AAF website
  - Populate website with content

**AAF PKI**

- Implement the processes, procedures, policies and technical specifications which are needed for a production Public Key Infrastructure (PKI) for the Australian Higher Education and Research Federation.
- Implement a secure infrastructure to support a production PKI for the sector, including AusCERT Root CA/RA, Sub CA/RA, Grid CA, Trusted CA, Server CA, Validation and Recovery Service.

**AAF Shibboleth**

- Implement technical policies for Shibboleth Trust Federation
- Implement technology required for joining the Shibboleth Trust Federation as an Identity Provider
- Implement technology required for joining the Shibboleth Trust Federation as a Service Provider
- Develop/test technology to support collaboration services within the Shibboleth Trust Federation (e.g. eResearch Toolkit, Open Standards Repositories, and Collaborative Workflow Software)

***Phase 3 – Q3 – Q4 2008*****AAF Governance**

- Establishment of the Trust Federation
- Developed training and compliance audit for the federation
  - Develop training materials for AAF operation

**AAF PKI**

- Conduct web trust audit of the infrastructure and the procedures, policies and technical specifications of the PKI.
- Request integration of the AusCERT root certificate into a number of web browsers.
- Process bridging requests with other CAs.
- Develop training courses for implementing PKI in universities and research institutions.
- Develop of the Hosted CA infrastructure for institutions unable or unwilling to implement their own CA.

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|   | <ul style="list-style-type: none"> <li>• Provide support for adoption of PKI among Australian universities.</li> </ul> <p><b>AAF Shibboleth</b></p> <ul style="list-style-type: none"> <li>• Implement technology to support collaboration services within the Shibboleth Trust Federation (e.g. eResearch Toolkit, Open Standards Repositories, and Collaborative Workflow Software)</li> <li>• Process bridging requests with overseas federations, e.g. in the US, UK, and other EU countries who are Shibboleth compatible</li> <li>• Develop training courses for implementing Shibboleth in universities and research institutions</li> <li>• Develop and implement a Virtual Identity Provider infrastructure for institutions unable to implement their own IdP, with appropriate vetting by federation members</li> <li>• Maintain and further develop a conversion service, which converts Shibboleth assertions to PKI certificates, in order to provide seamless Single Sign-On access for the grid community</li> <li>• Support for adoption of Shibboleth among Australian universities</li> <li>• Propose evolution of Federation infrastructure to accommodate new technological developments</li> </ul>   |
| <p><b>Management arrangements for the project</b></p> <p>Please include:</p> <ul style="list-style-type: none"> <li>• Sharing/partnership arrangements</li> <li>• Management committee</li> <li>• Financial arrangements</li> </ul> | <p><b>Sharing/partnership arrangements</b></p> <p>The University of Queensland is the lead institution for this project and is supported by Macquarie University and AusCERT.</p> <p>AusCERT is implementing parts 1 and 2 of this project, while Macquarie University is implementing part 3 of this project.</p> <p><b>Management Committee</b></p> <p>This project has a Steering Committee representative of the stakeholders.</p> <p>The Steering Committee for this project is as follows:</p> <ul style="list-style-type: none"> <li>• Alan Bevan, Education.au Ltd</li> <li>• Margot Bell, Department of Education, Science and Training</li> <li>• Maxine Brodie, Council of Australian University Librarians</li> <li>• Andrew Cheetham, Pro Vice-Chancellor Research, University of Western Sydney</li> <li>• James Dalziel, Macquarie University</li> <li>• Michael Dupe', Australian Government Information Management Office</li> <li>• Rhys Francis, National Collaborative Research Infrastructure Strategy</li> <li>• Chris Marlin, Deputy Vice-Chancellor - Research, Flinders University</li> <li>• Peter Nicholson, Department of Education, Science and Training</li> <li>• Richard Northam, The Council of Australian University Directors of Information Technology</li> <li>• Viviani Paz, AusCERT</li> <li>• Nick Tate, The University of Queensland</li> </ul> <p>A Project Manager, Ms Viviani Paz has been appointed.</p> <p><b>Financial arrangements</b></p> <p>Funds for Part 1 and Part 2 of this project are held at the University of Queensland.</p> <p>Funds for Part 3 of this project are held at Macquarie University.</p> <p>All currency amounts have been rounded to the nearest whole dollar.</p> |

*Note: the above will remain for the duration of the project. Any variation must be approved in writing by DEST.*

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## REPORT ON PROGRESS TO DATE

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| <p><b>Conformance with specified outcomes (as above):</b></p> <p>Please include:</p> <ul style="list-style-type: none"><li>• Project activities</li><li>• Achievements</li><li>• Timing issues impacting on achieving milestones</li><li>• Changes to personnel, partners or arrangements</li><li>• Other problems or difficulties encountered</li></ul> | <p><b>Project activities</b></p> <p>The Steering Committee has been meeting regularly and is providing input into the project.</p> <p>The project plan has been drafted and approved by the steering committee.</p> <p>The following tasks are being undertaken:</p> <ul style="list-style-type: none"><li>• Disseminate information about AAF, this has been undertaken via workshops run at conferences.</li><li>• Staff recruitment.</li><li>• Development of AAF project website.</li></ul> <p><b>Governance</b></p> <ul style="list-style-type: none"><li>• Propose and Review of type of entity for management of the Trust Federation.</li><li>• Review and consolidate existing policy and governance recommendations from prior work (especially MAMS and e-Security).<ul style="list-style-type: none"><li>○ Attribute Policy</li><li>○ Credential Policy</li><li>○ Identification Policy</li></ul></li><li>• Propose business model requirements for ongoing support (staffing requirements and costs for users of the Trust Federation).</li></ul> <p><b>AAF PKI</b></p> <ul style="list-style-type: none"><li>• Develop the processes, procedures, policies and technical specifications required for a production Public Key Infrastructure (PKI) for the Australian Higher Education and Research Federation</li><li>• Develop a secure infrastructure to support a production PKI for the sector, using appropriate international standards</li><li>• Develop AusCERT Root CA/RA, Sub CA/RA, Grid CA, Trusted CA, Server CA, Validation and Recovery Service.</li></ul> <p><b>AAF Shibboleth</b></p> <ul style="list-style-type: none"><li>• Develop technical policies for Shibboleth Trust Federation</li><li>• Develop/test technology required for joining the Shibboleth Trust Federation as an Identity Provider</li><li>• Develop/test technology required for joining the Shibboleth Trust Federation as a Service Provider</li><li>• Support for early adoption of Shibboleth among Australian universities (including continuation of MAMS mini-grant program)</li></ul> <p><b>Timing issues impacting on achieving milestones</b></p> <p>This project is tightly linked to the outcomes of the MAMS and eSecurity Framework project.</p> <p>The AAF PKI component of this project is dependent on the eSecurity Framework for Research project that was successfully completed in late June 2007. Starting this component of the project before the results of its predecessor were available would have resulted in a significant waste of time and money.</p> <p>The AAF Shibboleth component of this project is dependent on the MAMS project that was successfully completed in late June 2007. Starting this component of the project before the results of its predecessor were available would have resulted in a significant waste of time and money.</p> <p>In light of the initial delays to the start of the project and the dependencies on outcomes from previous projects the Project Manager has requested approval</p> |
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|  | <p>from DEST for the completion date for the project to be extended to the 31<sup>st</sup> December 2008, to enable the project to fulfil its many objectives.</p> <p>There is a level of dependency on the input and support from stakeholders, including the Steering Committee, and Higher Education and Research Sector for this project to succeed.</p> |
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