

Policy Management Authority

GGF 4, GCP WG

Peter Gietz

**DAASI International/
DFN Directory Services**

Peter.gietz@DAASI.de



Agenda

- **PMA and its Roles**
- **Functions of the PMA**
- **Structure of the PMA committee**
- **Meetings of the PMA committee**
- **Process of interoperability evaluation**

PMA and the current architecture discussion

- **Scenario 1: GGF PKI with one PCA on top of a hierarchy**
 - PMA is function of a PCA of a single PKI
- **Scenario 2: GGF Bridge**
 - PMA is a function of the bridge
- **Scenario 3: loosely coupled PKIs**
 - PMA could be the thing keeping it interoperable
- **Scenario 4: Web of trust between PKIs**
 - No use for a GGF PMA. Document would be template for the single PMAs

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Remark on current status of the work

- This is very preliminary ☹
- This is a personal proposal to start the discussion.
- Actual work can start after having decided at this GGF what to include and what to leave out
- Attempt to be comprehensive
- Willingness to leave a lot of this out
- Is there anything missing?

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PMA Definition

- **The GGF PMA is an institution that**
 - Provides a model Certificate Policy
 - Analyses Policies and or Certificate Practice Statements of Grid PKIs (which can be one single CA)
 - Evaluates the interoperability of these policies
 - Surveys the conformance of the actual practice of the CAs to their policy
 - Initiates and surveys Auditing
 - Has a PR function?
 - Has a research function?



Why a PMA?

- **Single point of expertise that can do the work instead of an expert in policy comparison at each Grid-PKI**
- **1 to n instead of n to n**
- **Contact point for coordination of the PKI community**

Roles towards the GGF Steering Group

- Although elected by the community
PMA is appointed by the Steering Group
- PMA reports to the Steering Group

Relation to the PCAs/CAs of the grid community

- **Contact point for integration into the GGF „PKI“ (a thing that is being defined)**
- **Read and evaluate the policies**
- **Comments on interoperability issues**
- **Certifies the interoperability if no more issues are seen**



Relation to the Auditing process

- **PMA initializes the Auditing Process**
 - Selects the Auditor
- **PMA surveys the auditing process**
- **Auditor reports to the PMA**
- **PMA asks the PCAs/CAs to resolve the issues comming up fromthe auditing**

Functions of the PMA

- **Contact point for PCAs/Cas**
 - **Web Site**
 - **Email contact**
 - **Telephone number**

Functions of the PMA II

- **Policy evaluation activity**
 - Evaluating against the model policy
 - That might include different policy levels
 - Structured process for evaluation has to be well defined in the document

Functions of the PMA III

- **Overviewing the Auditing process**
 - **Contact point for complaints**
 - **Select an auditor (the PMA does no auditing itself)**
 - **Evaluate the auditing report**
 - **Resolve the issues with the audited PCA/CA**
 - **If not resolvable take back the interoperability certificate**

Even more functions?

- **Furthering the security awareness and the insight of the need of PKI within the Global Grid Community?**
 - PR for PKI
 - Outside and inside the GGF
- **Furthering of research on automatic policy comparison which would make the life of the PMA much easier**

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Structure and election

Procedures of the PMA committee

➤ Structure of the PMA committee

- Minimum number of PMA committee members
- Different functions within the PMA committee
 - Chairman
 - Secretary
 - appointee for special activities

➤ Election process

- prerequisites for eligibility
- term of election
- Appointment by the GGF Steering committee



Meeting of the PMA committee

- **Meeting terms**
 - term of regular meetings
 - irregular meetings
- **Structure of the meetings**
- **Notes of the meetings**

Process of interoperability evaluation

- **Application process**
- **Notification Process**
- **Renewal process**