UKI ROC/GridPP/EGEE Security

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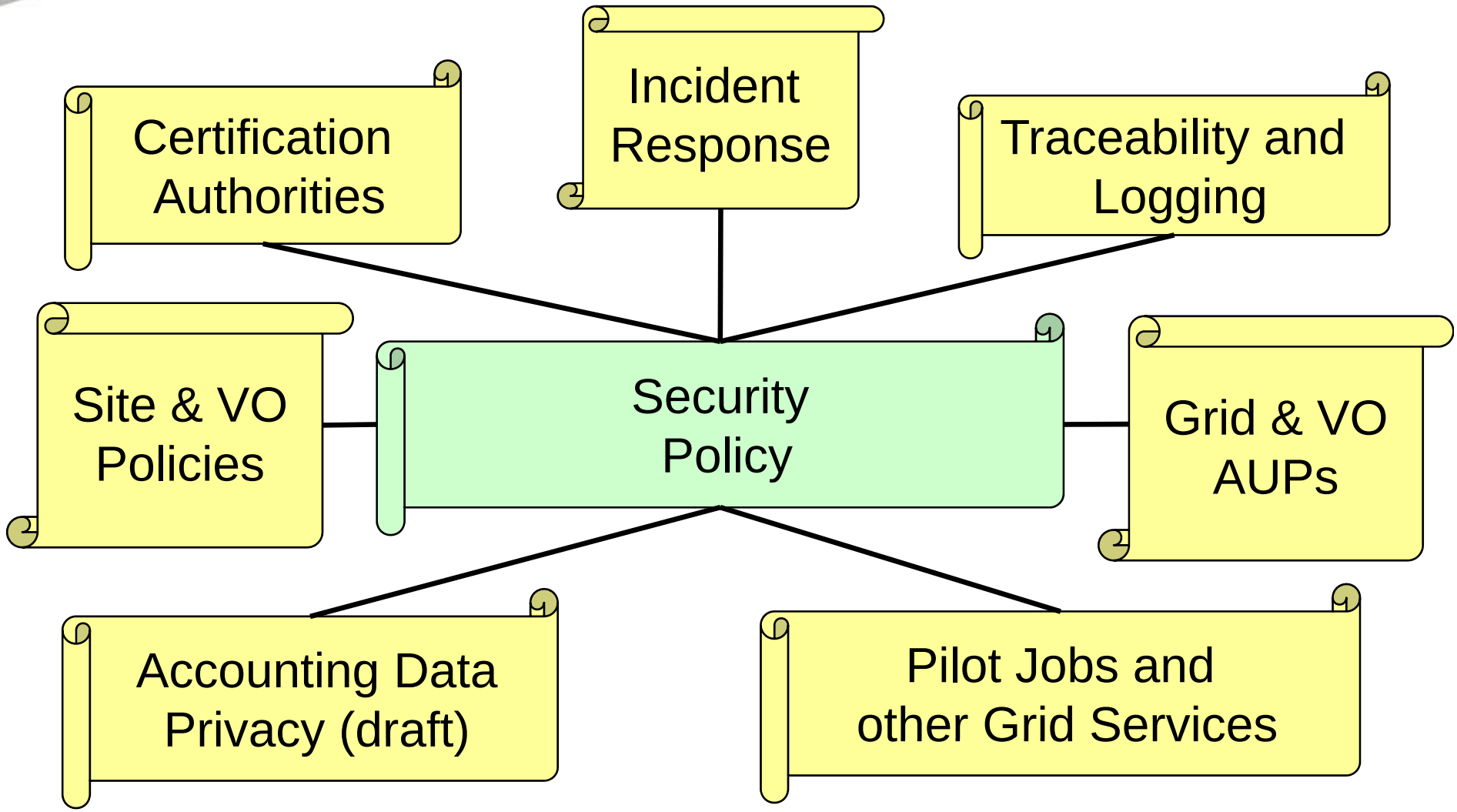
Science & Technology Facilities Council

GridPP
UK Computing for Particle Physics

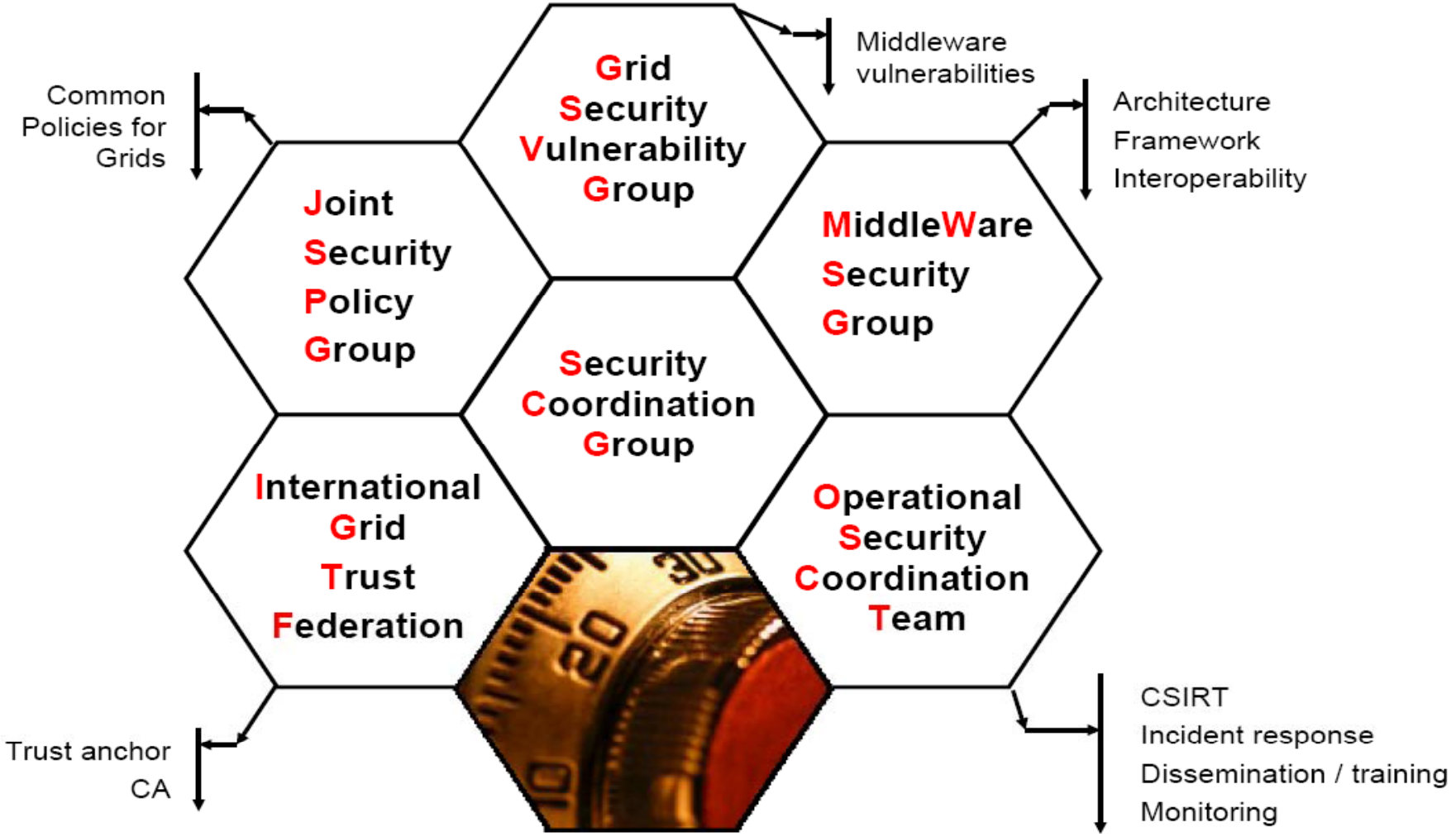
Security Policy



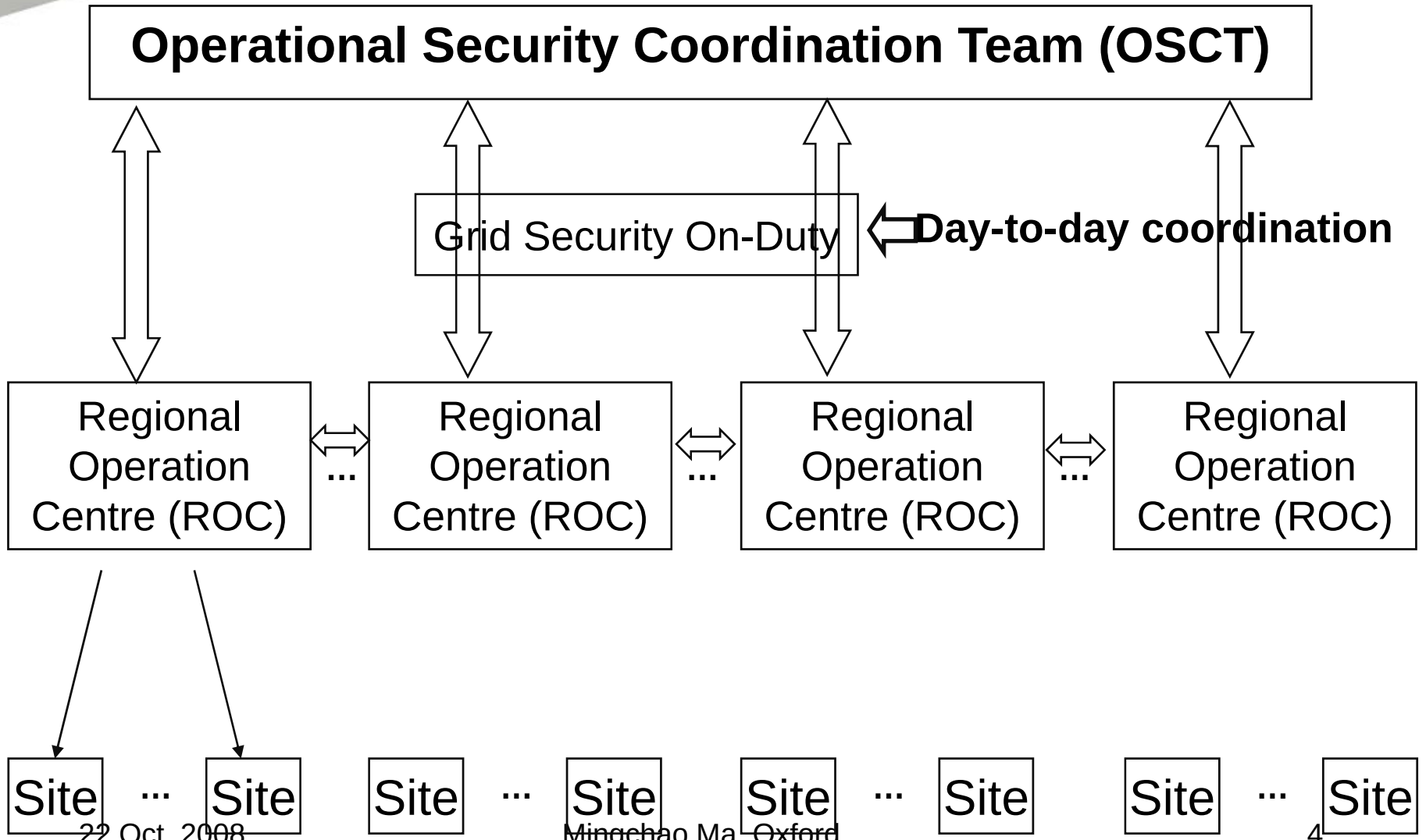
Science & Technology Facilities Council

GridPP
UK Computing for Particle Physics

EGEE Security Groups



OSCT


Operational Security Coordination Team (OSCT)
Grid Security On-Duty
Day-to-day coordination
Regional Operation Centre (ROC)
Regional Operation Centre (ROC)
Regional Operation Centre (ROC)
Regional Operation Centre (ROC)
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OSCT Activities

- Weekly telephone meeting; Twice F2F meeting per year
- Work together with other security groups to improve Grid security;
- Provide security expertise to sites;
- Handling and mitigating Grid security incidents
  - Procedures; Incident tracking; IR Channel (list, IM) and Security Service Challenges;
- Best practice, training and dissemination
  - Security RSS feed; OSCT website/Wiki; Training events
- Security Tools (monitoring, detection and prevention)
  - Pakiti; SAM security tests
- Analysing and evaluating security risks/vulnerabilities (together with GSVG)

UKI ROC and GridPP

- Security officer, deputy security officer and production manager
- Quarterly report to PMB;
- Day to day operational security issues
- Run security service challenges (SSC)
- Best practices, recommendations, Procedure;
  - Wiki, GridPP security page;
- OSCT-DC rota;
- Handle and response security incident/vulnerability
- … …

Incident Handling – UKI ROC

- Policy & Procedure
  - Detect, Contain, Analysis and Restore
- Communication Channels
  - Copy of security contacts (email & tel. in GOCDB)
  - Tier2 technical coordinators
  - Production manager
  - PMB
  - JANET CSIRTs and University CSIRTS ??

Security Incidents

- So far no “grid incident” ... but will happen (where the grid is the attack vector)
- A few incidents per year within the grids
- From a site perspective, the incidents are often caused by:
  - Failure to apply security patches provided by vendors
  - Poor access control management (ex: root password)
  - Incidents at other sites
  - Unresolved past security incidents (lack of traceability)
  - Incorrect risk assessment (threats were not correctly identified)
  - Shared user community, staff and computing resources between grids and HEP sites make propagation easier

NGS Security

- Policy
  - Regulations for Use of the UK National Grid Service (2005)
  - NGS Security Incident Response policy (2005)
- Security incident handling
  - Building up security contact list
  - NGS-Operation mailing list
- ??

Links

- Policy
  - http://www.jspg.org/
- OSCT
  - http://osct.web.cern.ch/osct/
- GridPP
  - http://www.gridpp.ac.uk/security
- NGS
  - http://www.ngs.ac.uk/security.html

More links

EGEE Security

http://www.eu-egee.org/security/

OSCT Wiki

https://twiki.cern.ch/twiki/bin/view/LCG/OSCT

Security RSS feed

http://rss-grid-security.cern.ch/rss.php

Vulnerability reporting

- grid-vulnerability-report@cern.ch

Incident reporting

- project-egee-security-support@cern.ch
- Incident response procedure
  - https://edms.cern.ch/document/867454/