

Product Vulnerability Management -- the Siemens CERT Perspective

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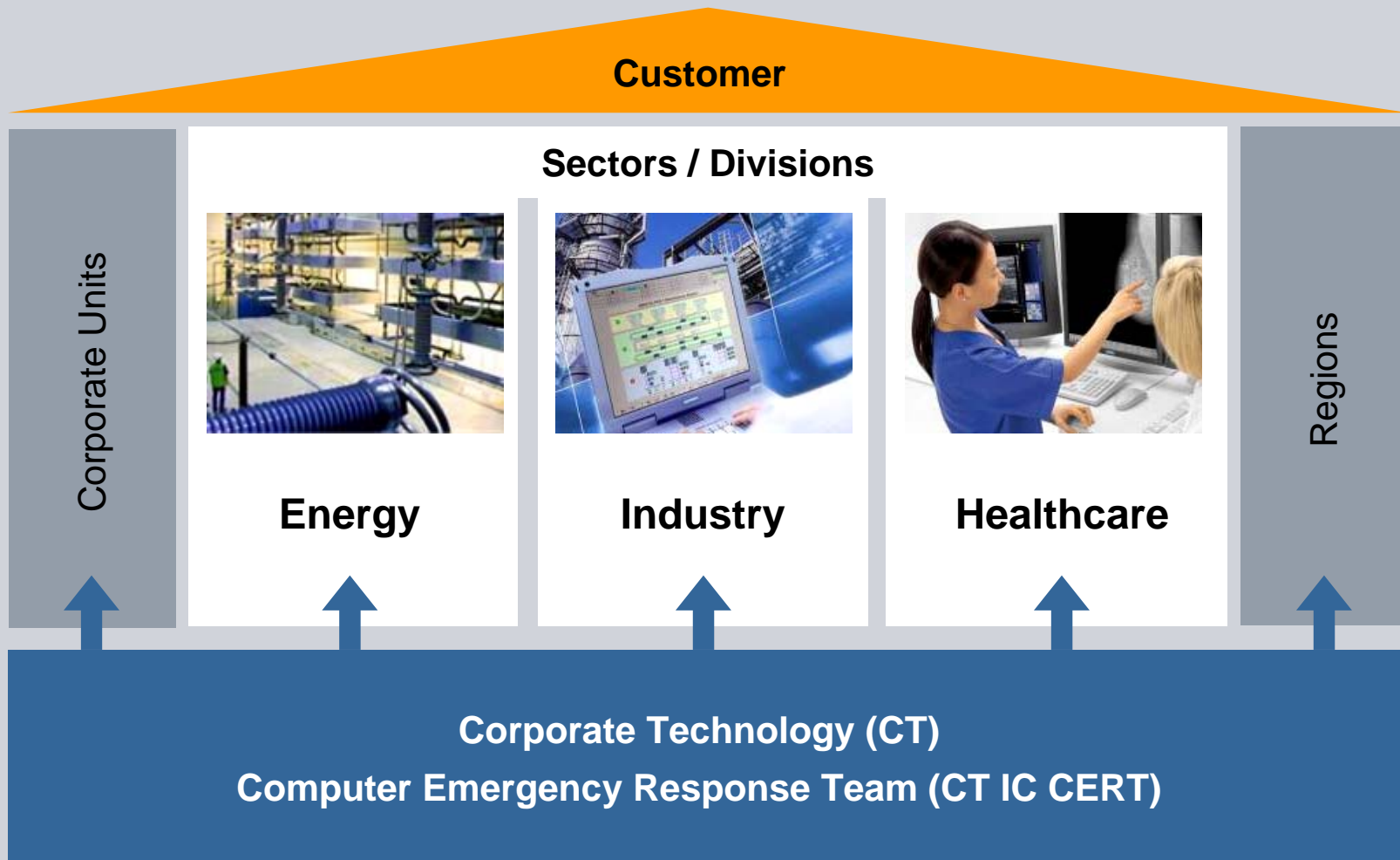
Workshop on the EU policy dimension of
vulnerability management and disclosure process

Brussels, 31.3.2009

Corporate Technology

Technologies, competencies and services for the groups

SIEMENS



Siemens CERT Services

Information



- monitor web sites, mailing lists, non-public sources for S-products
- issue product security telegrams
- issues advisories for S-products
- enforce security e.g. by performing security assessments

Tools



- analyze, test, evaluate and provide tools e.g. for system test
- concepts, policies, licensing for security scanning

Contacts



- establish and maintain internal + external contacts
- cooperate with external partners e.g. FIRST, CERT CC, INL
- internal inquiries, workshops

Emergency management



- incident response
- disaster recovery + crisis management support.
- IT forensics
- on call service 24/365

Siemens CERT

Hacking defense for the company



Secure Enterprise Applications



Protecting the Siemens internal infrastructure

Hack-Proof Products



Securing Siemens products against hacking attacks

CT IC CERT

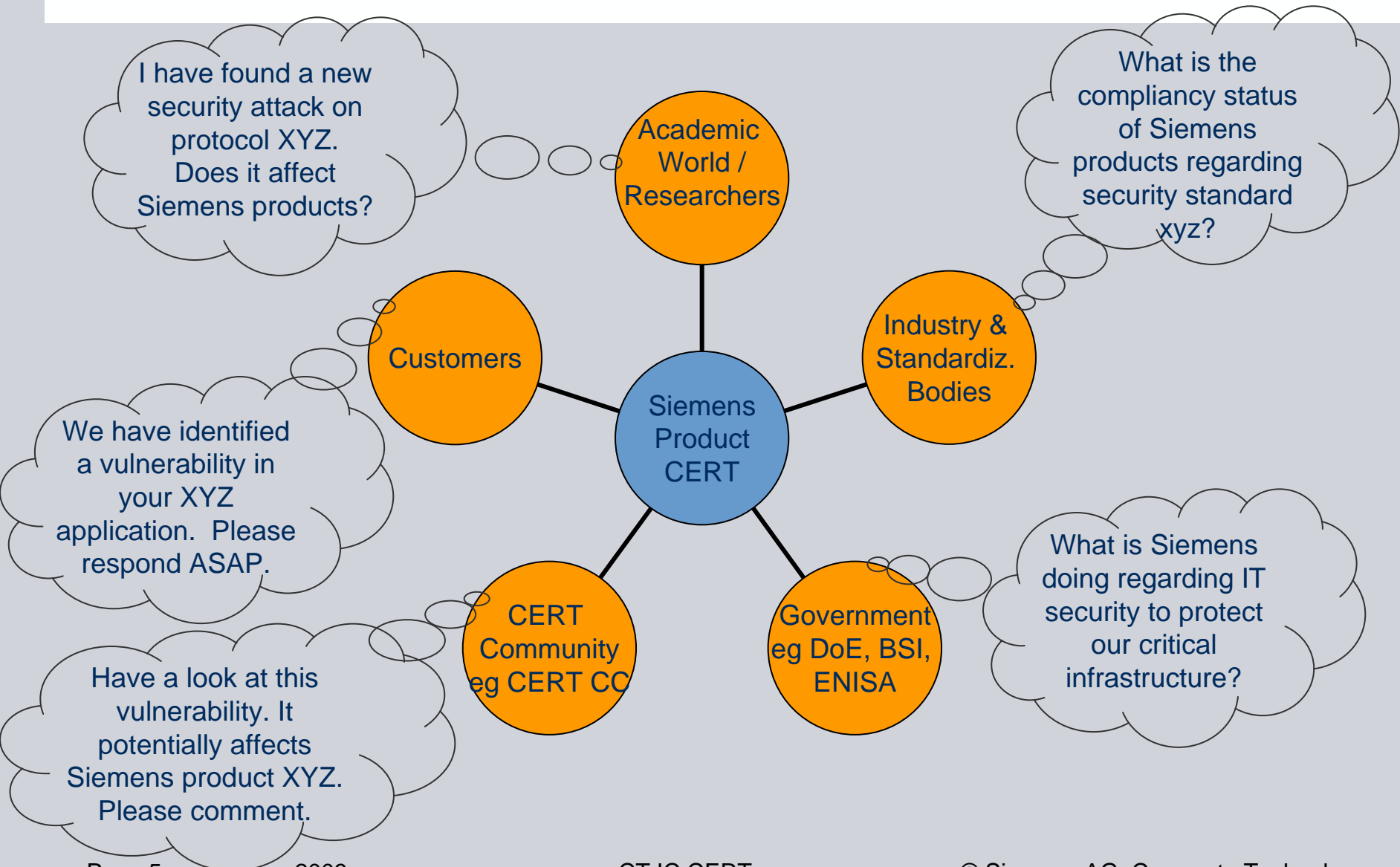
Computer Emergency Response Team

Corporate CERT Services

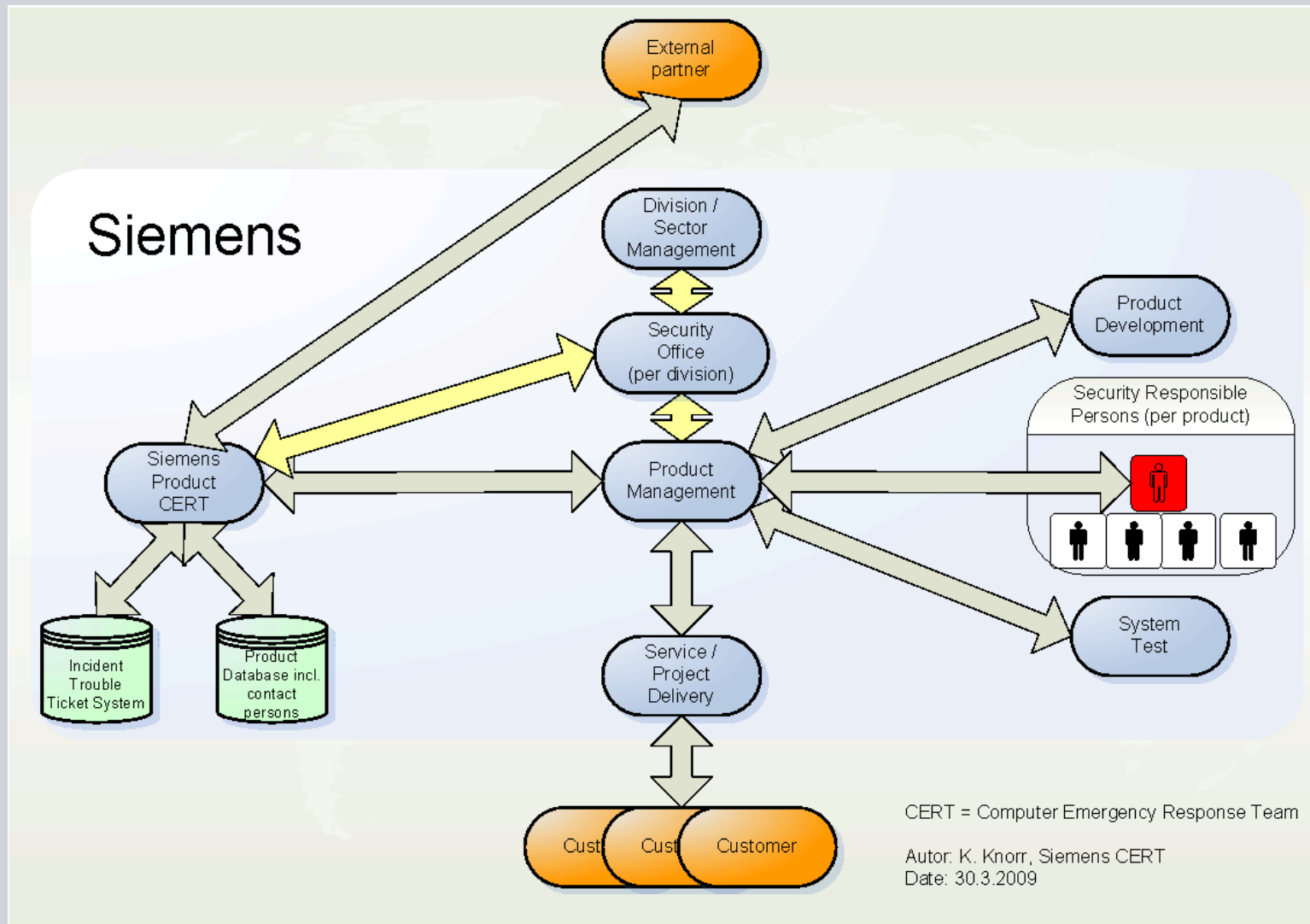
Governance on behalf of Corporate IT



Motivation: Sample Product Security Inquiries



Proposed Product Security Incident Workflow



Success Factors for Vulnerability Management

Make use of standards

- CVSS or EISPP / DAF for risk management
- ISO 29147 for responsible disclosure process
- CVE & CPE for vulnerability information

Make use of established channels

following the need-to-know principle

- Personal trust relationships, German CERT Association, FIRST for exchange of sensitive information
- Established customer-vendor contacts for patches & solutions

Please contact for further information



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