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ENISA

Creating the platform for an EU Culture of Network and Information Security

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2nd ETSI Security Workshop: Future Security
16 - 17 January 2007 - Sophia Antipolis, France

Outline

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- ENISA
- ENISA Activities 2006
- How ENISA relates to Standardization



- European Network and Information Security Agency
- Operational since September 2005
- Objectives
 - Enhance the capability in Europe to prevent, address and respond to NIS problems
 - Become a centre of expertise, stimulate cooperation
 - Provide assistance and advice to the Commission and the Member States
 - Assist the Commission in the technical preparatory work for Community legislation in the field of NIS.

- Users' guide on how to raise information security awareness
- EU overview of awareness raising programmes in EU
- Step-by-step plan on how to set-up a CERT
- Updated ENISA inventory of CERT activities in Europe
- 1st European inventory of RM/RA methods and tools
- Workshop on Authentication
- Workshop on Information Security Certificates
- Workgroup on Regulatory aspects of NIS (RANIS)
- Study on security & anti-spam measures by ISPs
- NIS standardization and activities tracking



Awareness Raising

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- **A Users' Guide: How to Raise Information Security Awareness**
 - A practical guide for EU Member States seeking to raise awareness in the area of information security
 - Strategic and practical guidelines needed to develop and manage any awareness initiative organised for the benefit of different audiences
 - Primary areas of focus include: communication strategy, change management, critical success factors as well as key indicators for measuring the quality and effectiveness of an awareness initiative
- **Information Security Awareness Programmes in the EU- Insight and Guidance for Member States**
 - Elaboration of the current trends and progress in the awareness raising field
 - Analysis of successful practices adopted by EU Member States
 - Good practice recommendations and guidance on running awareness raising campaigns
- **Focused Workshop to disseminate the main findings among the Member States representatives**

CERT Activities

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The Big Picture

2005
Stocktaking

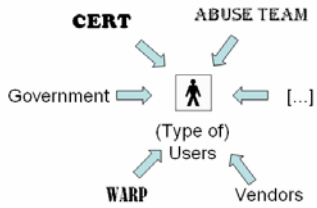



2006
Setting up & Cooperation




2007
Support operation (+ broaden focus!)

- Quality assurance
- Advanced Training



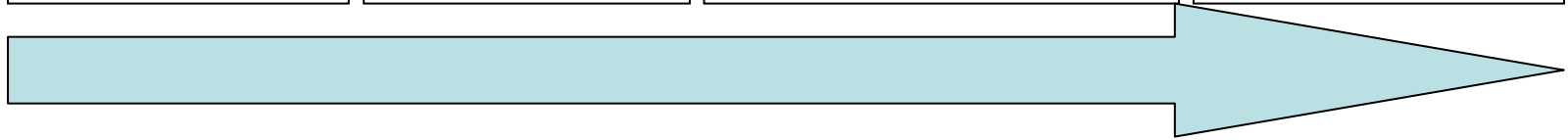
Prepare to contribute to "NIS brokerage"!

2008
Finalise basic work

A sound set of basic documents should be available now.

The FUTURE:

Now extensively collect good practices and contribute to NIS brokerage!





- 1st European Inventory of RM/RA Methods and Tools
 - Comparison
 - Identification of open problems in RM
 - Roadmap for addressing further open issues at European level
 - <http://www.enisa.europa.eu/rmra/>



Workshop on Authentication Language

- Kick-off of ENISA initiative to increase interoperability between
 - Existing e-Government languages
 - Industry standards
- Collected existing approaches
- Additional requirements gathered
 - e.g. Privacy, Security Model
- ENISA has created Action Plan - 3 level approach
 - Low-level description language
 - High-level classification of authentication
 - Certification/security model
- Carried out by Interest Group (please join us)
 - Giles.Hogben@enisa.europa.eu

Workshop on Certification

- ENISA gathered opinions on information security accreditation and certification schemes
 - with a workshop, a survey and position papers
 - from certifiers, vendors, governments and consultants
- This includes certifications of:
 - People (e.g. knowledge of security, knowledge of products)
 - Organisations (e.g. compliance with standards)
 - Products (e.g. compliance with standards)
- Goals:
 - Clarify the situation in Europe
 - Promote the use of certifications
 - Provide guidance for users
 - Encourage links between different schemes
 - Initiate further research (e.g. study, survey, workshop)
- Work continues in 2007 - see CIRCA (<http://forum.europa.eu.int/>)

Other Activities

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- Anti-Spam Studies
 - Provider Security Measures: Security and Anti-Spam Measures of Electronic Communication Service Providers
 - Part 1: Survey
 - Part 2: Status and Outlook
- Answers to Requests
 - E.g. from European Commission and Member States
- The "Who-is-Who Directory" v2
 - Europe NIS "yellow pages"
 - http://www.enisa.europa.eu/pages/05_01.htm
- Working Groups
 - RANIS, CERT, RMRA
- ENISA Quarterly

Standardization Monitoring

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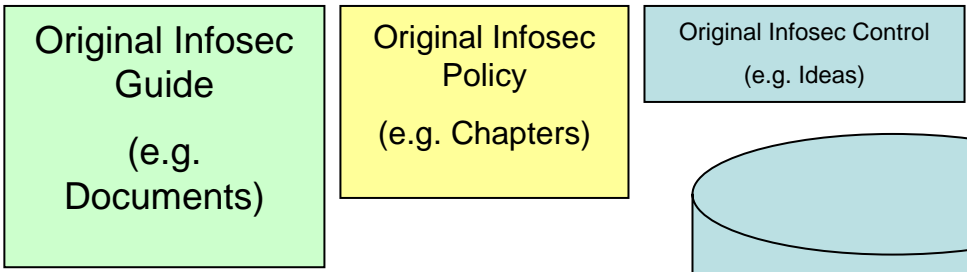
- Part of a wider effort to monitor NIS activities
 - Large scope
- We identified bodies and fora relevant to NIS
- Report on Overview of Current Developments in Network and Information Security Technologies (incl. Inventory of Fora and their activities, Standards)
 - *Security Topics:* Crypto, Infra Security (Routing, DNS), Anti-spam Tools, Id Management and Biometrics, De-perimeterization and Endpoint Security, Trusted Computing
 - *ICT developments impacting on security:* IPv6, Wireless Systems, RFID, VoIP and Multimedia, NGN
- It is only the first draft - to be continued in web format

Knowledgebase

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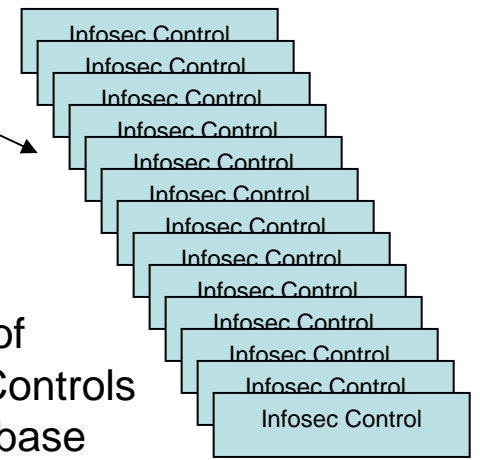
1. Collect Best Practice Guides, Best Practice Policies and Best Practice Controls



2. Store Guides, Policies and Controls (or references to them) in the Knowledgebase

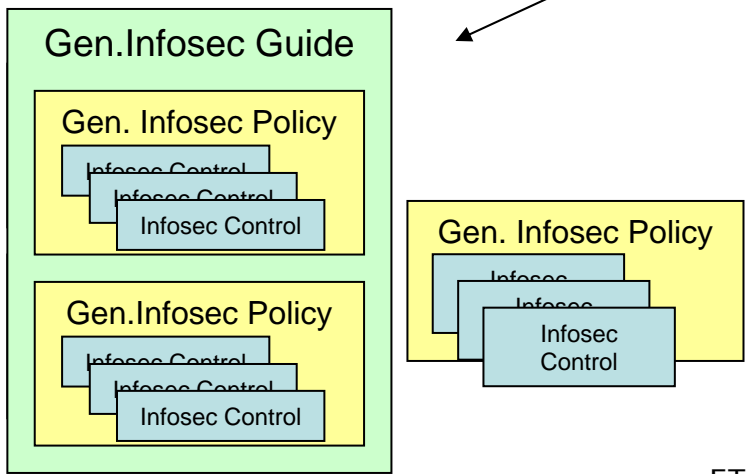


3. Extract most relevant & valuable pieces



4. Store these pieces of Guides, Policies and Controls also in the Knowledgebase

5. Generate new brief, simple, broadly accepted Guides and Policies.



Will also be used as Repository of NIS Standards

Position Papers (1)

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- Activity of 2007
- Select relevant topics for the European landscape and investigate their NIS implications
 - We are in the process of selecting 2 or 3 topics
- The position paper will be based on the discussion and contribution of a "Virtual Group" of experts
 - Express your interest!
 - The selected topics will be published on the ENISA web site in February

Position Papers (2)

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Examples of topics we might look at:

- Rootkits and botnets sw
- Mobile and wireless system, e.g. SDR
- Sensor networks
- Digital TV
- Non-PKI authentication schemes and security of reputation systems
- IDM related security/privacy threats in social-networking sites
- Mobile device IDM
- Softer/behavioural biometrics
- Legal and technical interoperability of national ID card schemes

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<http://www.enisa.europa.eu/>

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