



TESTA: Present and Future

CTI

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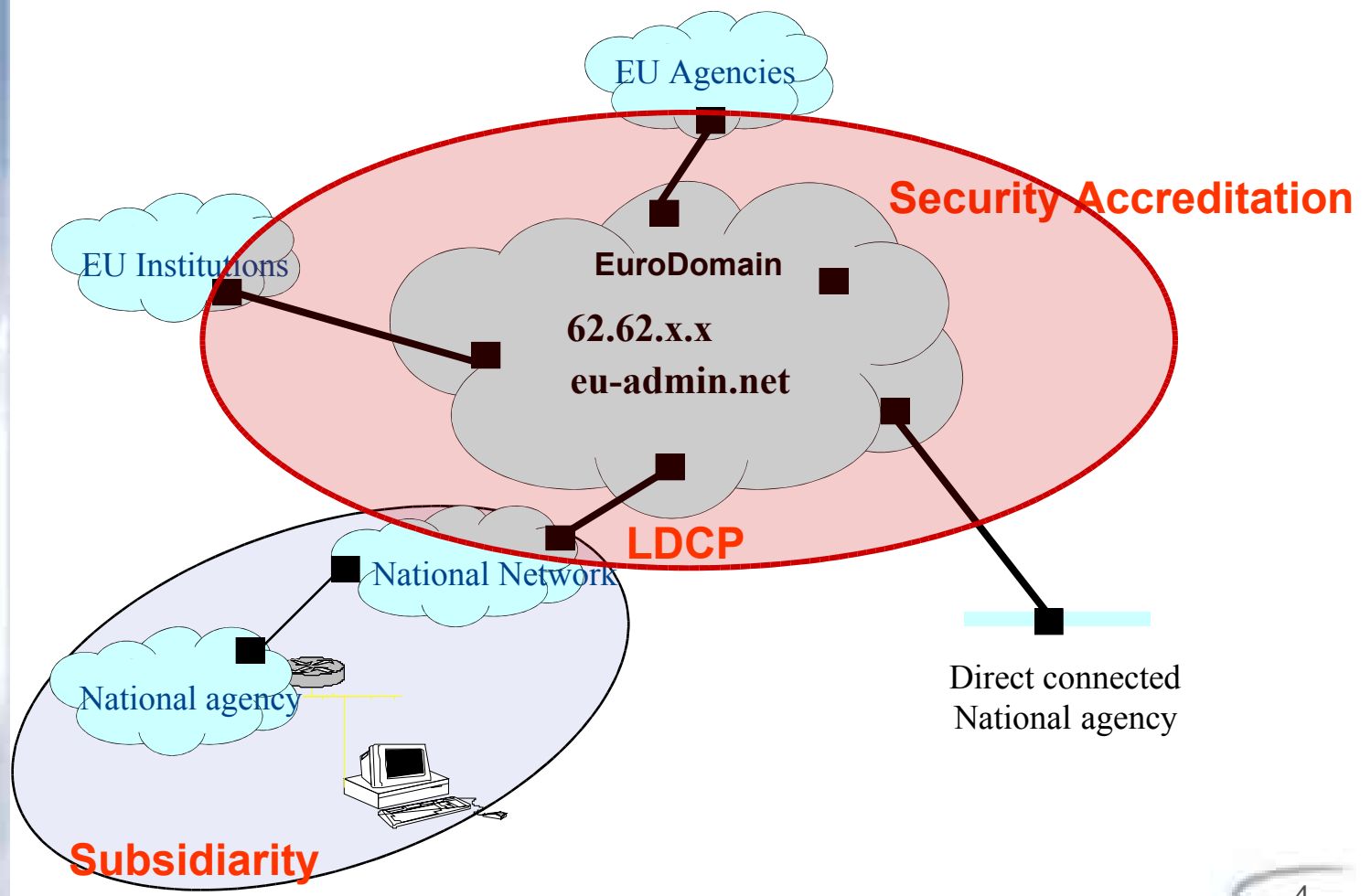
Outline

- TESTA II framework
 - Scope
 - Architecture
 - Services
 - Applications
 - Accreditation & Implications for local domains
- s-TESTA Framework
 - Scope
 - Architecture
 - Services
 - Current project status & planning
 - Migration & local domains
 - Accreditation
- SIS II/VIS & s-TESTA

TESTA II - Scope

- Based on IDA decision
 - Funded with community budget (€ 28.5 M)
 - Network for European administrations
 - Funding controlled by MS (TAC)
- Goal
 - Provision of a common network infrastructure
 - Member States
 - EU Institutions
 - Agencies (funding accepted by TAC)
 - Direct connections (cost sharing)

TESTA II - Architecture





TESTA II - Architecture

- Efficiency at EU level:
 - EC manages the EuroDomain and the connection points to national networks (LDCP) hosted by MS's administration.
 - EC is responsible for security and accreditation of EuroDomain and LDCP.
- Subsidiarity:
 - MS manage their own national networks.
 - MS are responsible for security and accreditation of their own national network.
- MoU stating reciprocal agreements

TESTA II - Generic services

- ✂ **DNS Server (Resilient)**
- ✂ **Hosting platform**
- ✂ **Online monitoring**
- ✂ **Proactive monitoring**
- ✂ **Mail relay (Resilient)**
- ✂ **Offline reports**
- ✂ **Online reporting**
- ✂ **Web platform**
- ✂ **Encryption**
- ✂ **PKI**



TESTA II - Current applications

- Employment and Social Affairs
 - TESS
- Agriculture
 - CATS/STATEL
- Transport
 - Care
- Fisheries
 - Fides
- Regional Policy
 - Structural funds (SFC)
- Health and consumer protection
 - Hiems
- Justice Freedom and Security
 - EuroDac
 - Dublinet
- Trade
 - SIGL
- Statistics
 - Datashop
 - Statel
- Financial Intelligence
 - FIUNET
- Humanitarian aid
 - HOLIS
- Judicial Register
 - BE FR DE ES

TESTA II- Accreditation

Step 1. Initial Demand

- TSO (Technical System Owner) sends a formal request to Commission SAA (Security Accreditation Authority)
- Creation of SAP (Security Accreditation Panel)

Step 2. Pre-Certification

- TSO provides SSRS, SecOPs, Crypto documents (procedures) to SAP
- Accreditation Panel approves SSRS

Step 3. Evaluation - Certification

- SAP assesses the conformity between deployed system and documents (SSRS, SecOPs, ...)
- SAP produces statement of conformity (+ residual risks)

Step 4. Accreditation

- SAP takes decision on accreditation and informs Commission SAA
- Commission SAA notifies the CSPAG (Commission security policy advisory Group)

- Target date for Accreditation: SEPT 2005



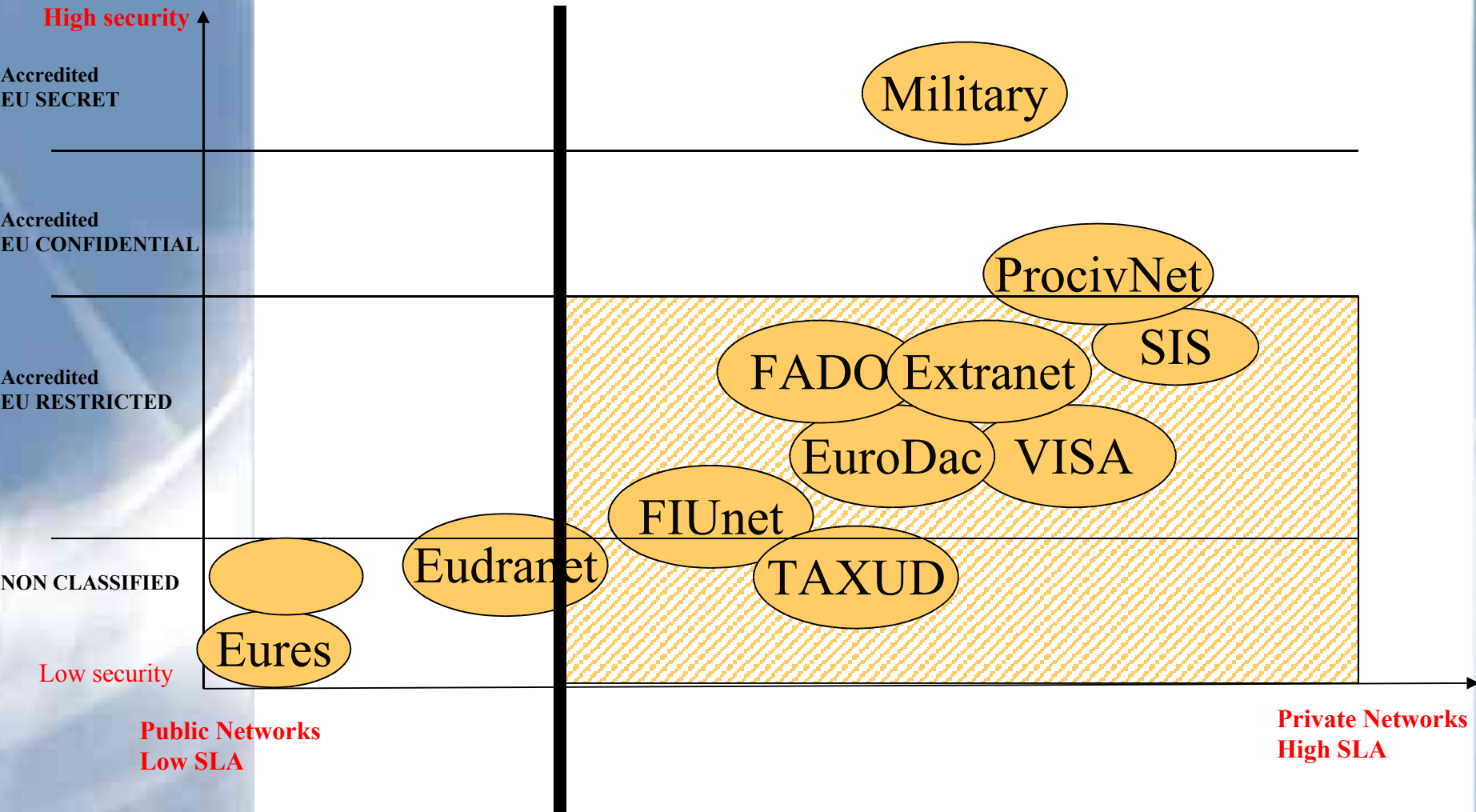
Accreditation – Implications for LD

- LDCP Accreditation :
 - Responsibility of the Local Domain SAA
 - GSRS approved by SAP and applicable to all LDCPs
 - Actions by the LDCP SAA :
 - Should produce LDCP SSRS or equivalent document based on GSRS
 - Should produce LDCP SecOPs
 - Shall produce a Statement of Compliance of LDCP with proposal for accreditation
 - SAP shall review and approve proposed accreditation outcome by LDCP SAA

s-TESTA - Scope

- Based on IDABC decision (2004/387/EC 21 APR)
 - Covers all pillars
- Goal
 - Provision of a common network infrastructure
 - Member States
 - EU Institutions
 - Agencies (funding under discussion)
 - Direct connections (funding by applicant)

s-TESTA - Scope



Private Networks High SLA

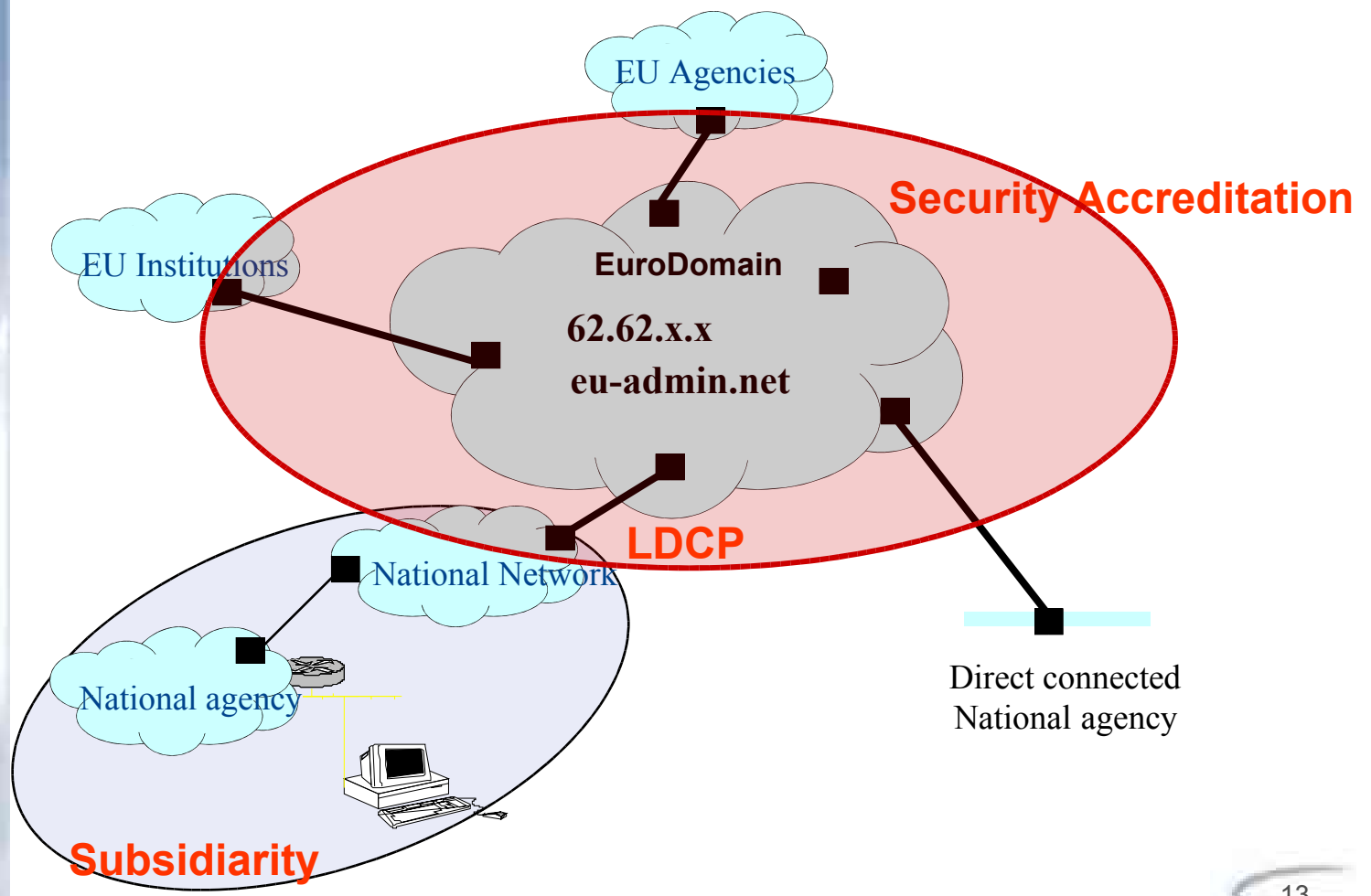
Public Networks Low SLA



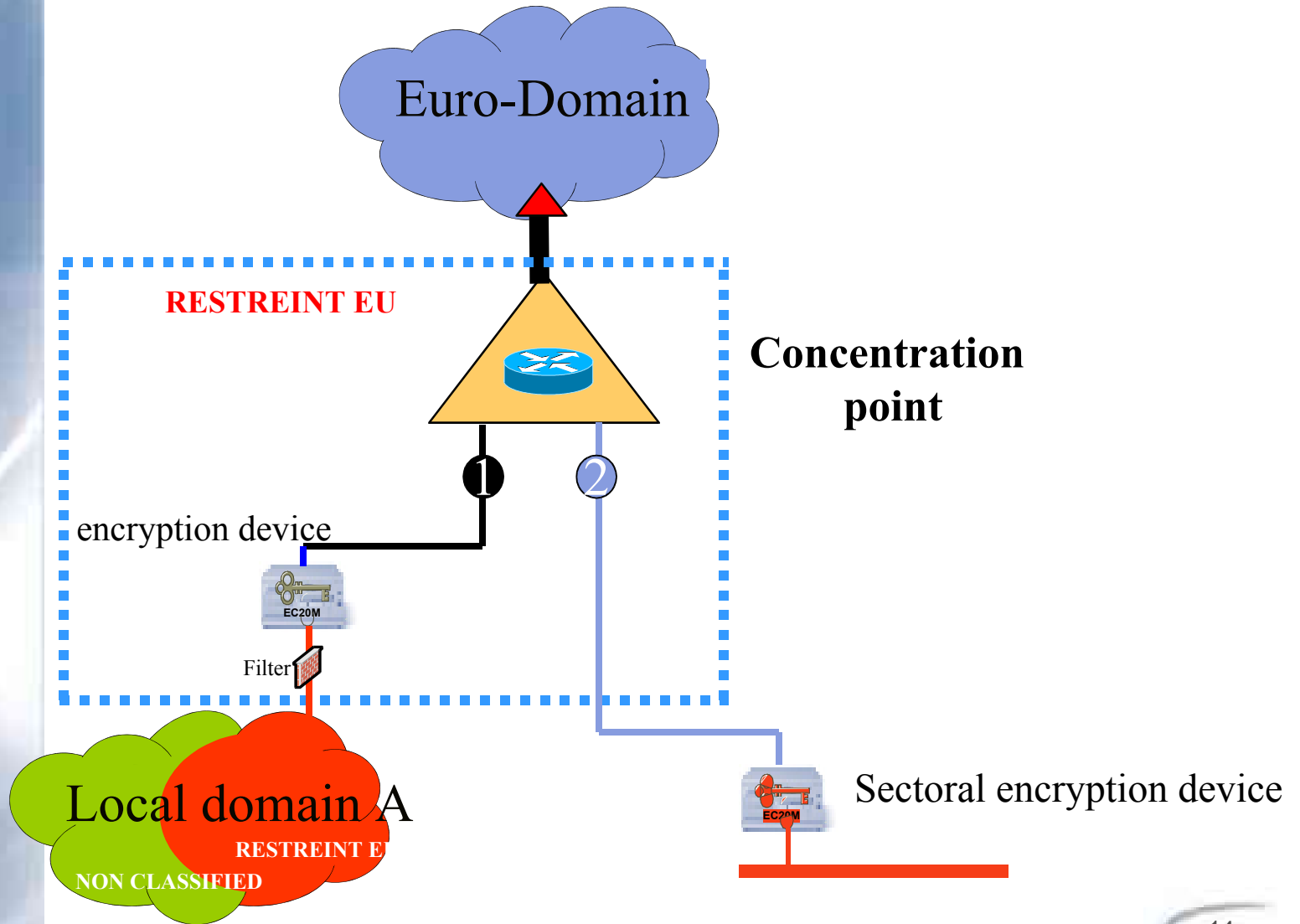
s-TESTA - Budget & Funding

- Funded with community budget (100 M€)
 - Network for European administrations
 - Council participation in Call for Tenders
 - Funding controlled by MS (PEGSCO)
- Default s-TESTA costs covered by IDABC
 - One LDCP per MS
 - Discussion for EU Agencies ongoing
- Additional services than the one offered by the default:
additional costs not covered by IDABC

s-TESTA - Architecture



s-TESTA – LDCP Architecture



s-TESTA – Generic services

- TESTA II generic services ongoing
- Private trans-European Backbone
 - Broadband possibility
 - Multiple Private VPN clouds
- Enhanced functionalities in the LDCP
- s-TESTA dedicated support and operations centre
- s-TESTA dedicated security management



s-TESTA – LDSCP Services

- Concentration point
- Encryption functionality
- Filtering functionality
- Proxy and authentication functionality
- Resilient setup
- UPS functionality
- Turnkey Access Point delivered in a 44U 19” Rack



s-TESTA – Status & Planning: CFT

- Restricted call for tenders with publication
 - Selection phase (Lot 1 & Lot 2 finished)
 - Awarding phase Lot 1 (s-TESTA services)
 - Contract (NOV 2005)
 - Award phase Lot 2 (Assistance)
 - Contract (FEB 2006)
- Former TESTA II contract expires NOV 2005.
- Negotiated procedure in progress for transition period: one year contract extendable for another year.



s-TESTA - Migration

30/11/2005

31/12/2006

TESTA 2

TESTA 2 negotiated

s-TESTA Migration

s-TESTA





s-TESTA – Migration

- Preparatory phase from Summer 2005 onwards:
 - Covering MS & EU Institutions
 - Contact & information exchange
- Selection of the location of the LDCP
 - In function of security requirements (Protected environment)
 - In function of direct sectoral usage
 - In function of national domain connectivity
 - In function of the national implementation policy



s-TESTA - Accreditation

- Renewal of accreditation necessary every year
- So: necessary for s-TESTA
- We can build on existing documents: shorter process



s-TESTA - SIS II & VIS

- Expected choice by DG JLS: July 2005
 - s-TESTA
 - dedicated network
- Practical architecture design: Q4 2005- Q1 2006
- First pilots: mid-2006



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