



# The challenges of the extended enterprise

Aviation Week – Cyber Security Forum March 31<sup>st</sup>, 2010 – April 1<sup>st</sup>, 2010

# SECURE COLLABORATION IN EADS

## OBJECTIVE

**Exchange and protect data and information in a secure extended enterprise business environment**

## DELIVERABLES

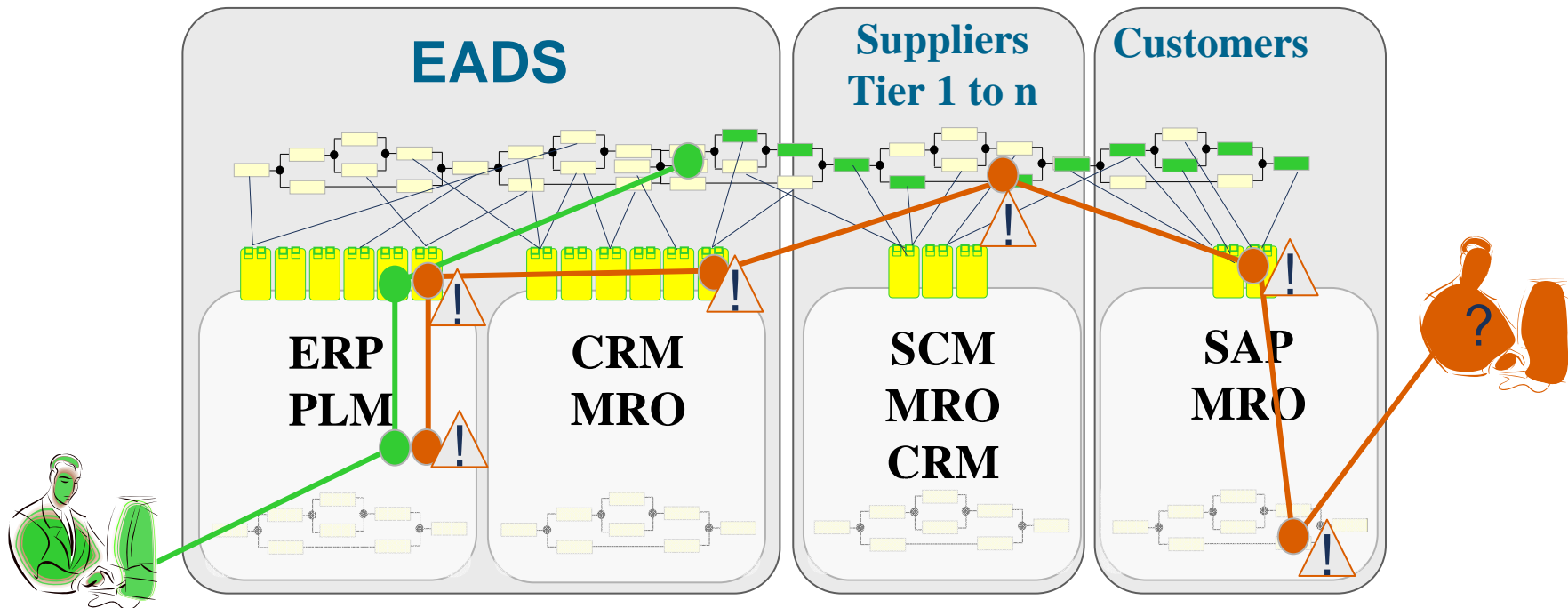
- Secure Collaboration services to all EADS stakeholders in line with international security standards (TSCP\*/Certipath)
- Secure physical and logical access to company assets and data

\* TSCP: Trans-global Secure Collaboration Program



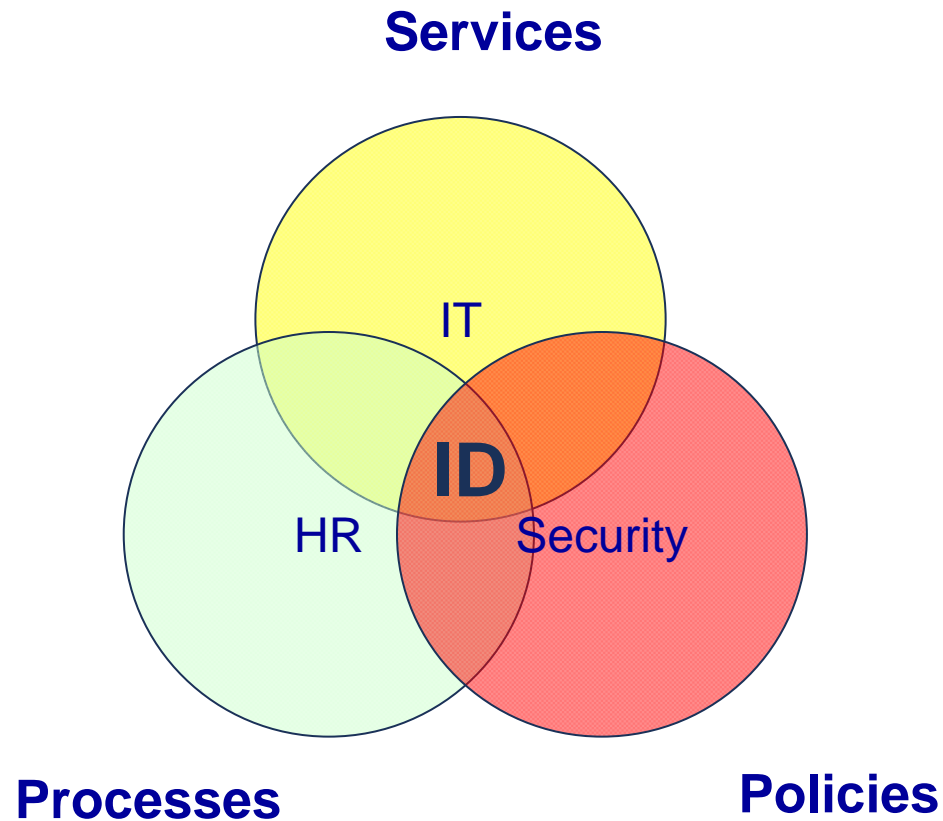
# EXTENDED ENTERPRISE

The Extended Enterprise spans the entire business process



The capability to stretch the Enterprise beyond its boundaries is a **MUST** to realize EADS vision and leverage our Strengths!  
The uncontrolled access to EADS Assets is not an option

# TRUST Common Denominator



Uniqueness of the identity is the key success factor toward the extended enterprise processes

# THE MAIN CHALLENGES

- Protect our intellectual property within the perimeter of the extended enterprise
- Be sure of the identity and role of our partners, suppliers and customers when connecting to collaboration platform or our internal systems
- Perform Identity verification, proofing and vetting as well as personal data storage compliant with the local laws
- Satisfy FIPS 201 and HSPD12 requirements and keep both compliance with EU directives and ability to connect to US federal authorities systems
- Comply with export control laws and collaborate with industries on other continents
- Keep interoperability of the Identity management tools

**Build a framework for secure collaboration**



# Transglobal Secure Collaboration Program (TSCP)

- **Government-industry partnership specifically focused on mitigating the risks related to compliance, complexity, cost and IT that are inherent in large-scale, collaborative programs that span national jurisdictions.**
- **To do business in the world today, A&D companies must balance the need to protect intellectual property (IP) while demonstrating willingness and ability to meet contractual requirements from government customers for auditable, identity-based, secure flows of information.**

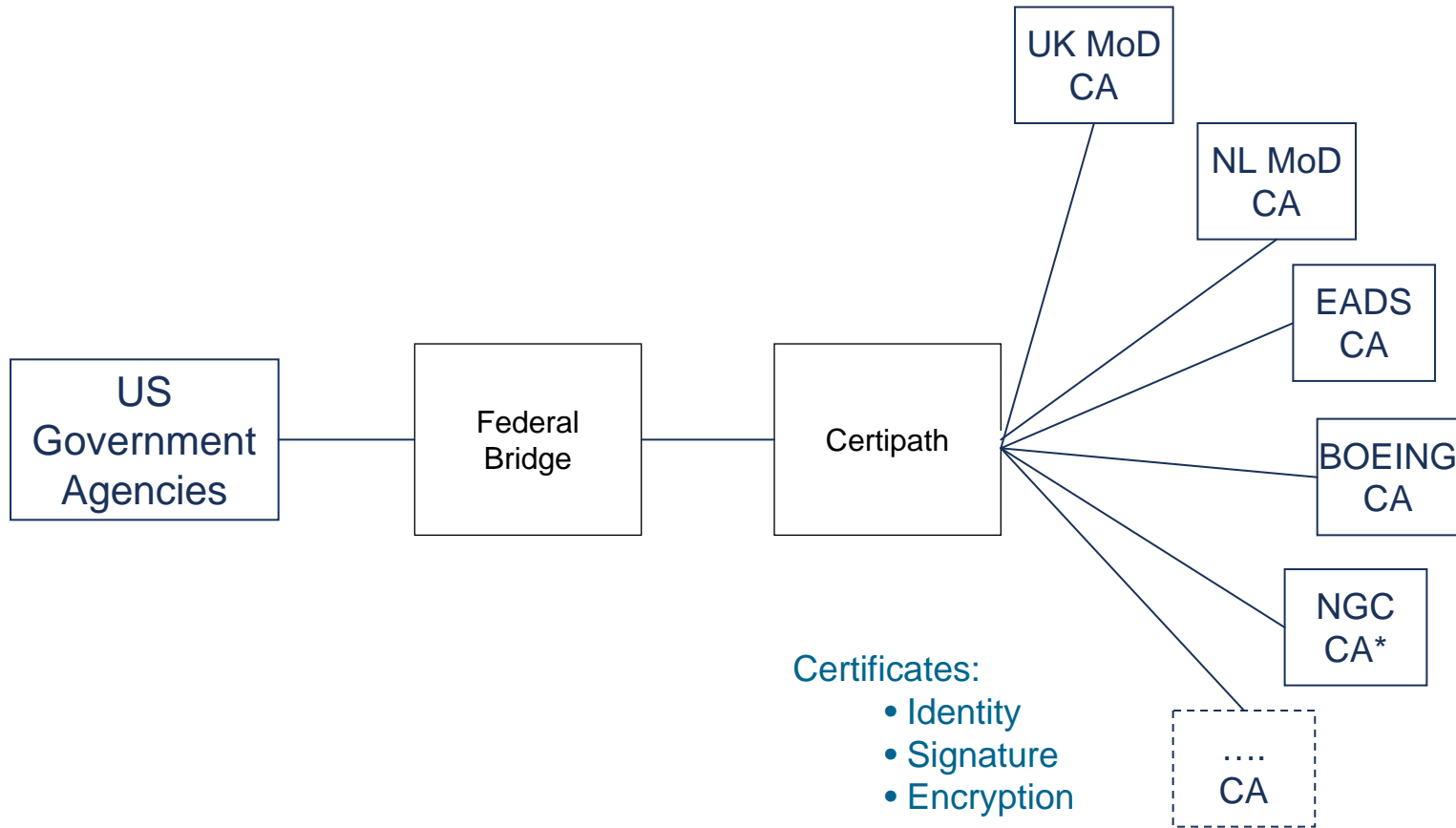


## Common Framework for Federated Collaboration

- **Identity Management & Assurance:**
  - Provide assurance that collaborative partners can be trusted
  - Meet government agencies' emerging requirements for identity assurance across domains
  - Establish common credentialing standards that accommodate and span national jurisdictions
  - Protect personal privacy data of employees
- **Data Protection:**
  - Define fine grain access right attributes for data labeling and data right's management
  - Establish "Application Awareness"
  - Demonstrate compliance with export control regulations
  - Protect corporate IP in collaborative and other information sharing programs
- **Facilitate Secure Collaboration:**
  - Provide collaborative toolsets that will interoperate with customers and suppliers
  - Facilitate re-use collaborative capabilities among multiple programs



# INTEROPERABLE PKI



**This chain ensures that digital credential issued by any of the CAs is trusted at the other end.**

\*Certificate Authority



# FRAMEWORK FOR DATA PROTECTION

**Europe:** Directive 95/46/EC on the protection of individuals with regard to the processing of personal data and on the free movement of such data

**Rest of the World:** Corporate binding rules

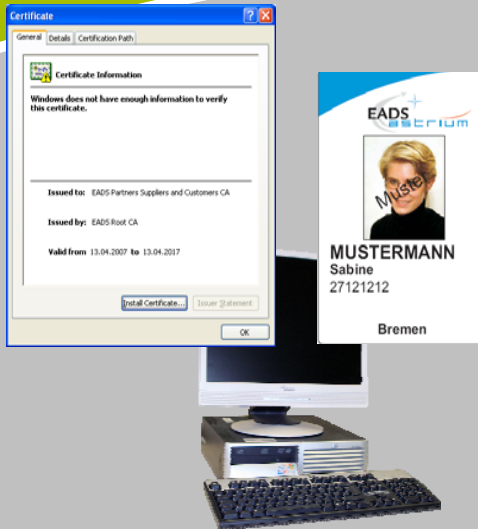
Upon subscribing the request for the release of digital credential the candidate signs an agreement where she/he agrees on the storage and the usage of her/his personal data within the scope of secure collaboration.



# ENVISAGED USAGE OF CERTIFICATES AT EADS

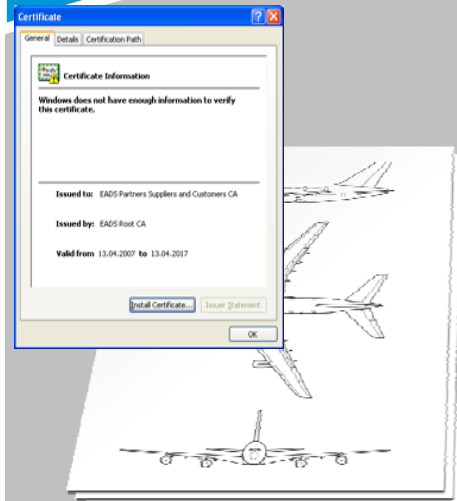
## Identity Certificate:

- VPN
- Secure Web Access
- Authentication
- Fleet identification



## Signature Certificate:

- Documents
- Drawings (DMU)
- Workflow Tags
- Code signing
- Data-link



## Encryption Certificate:

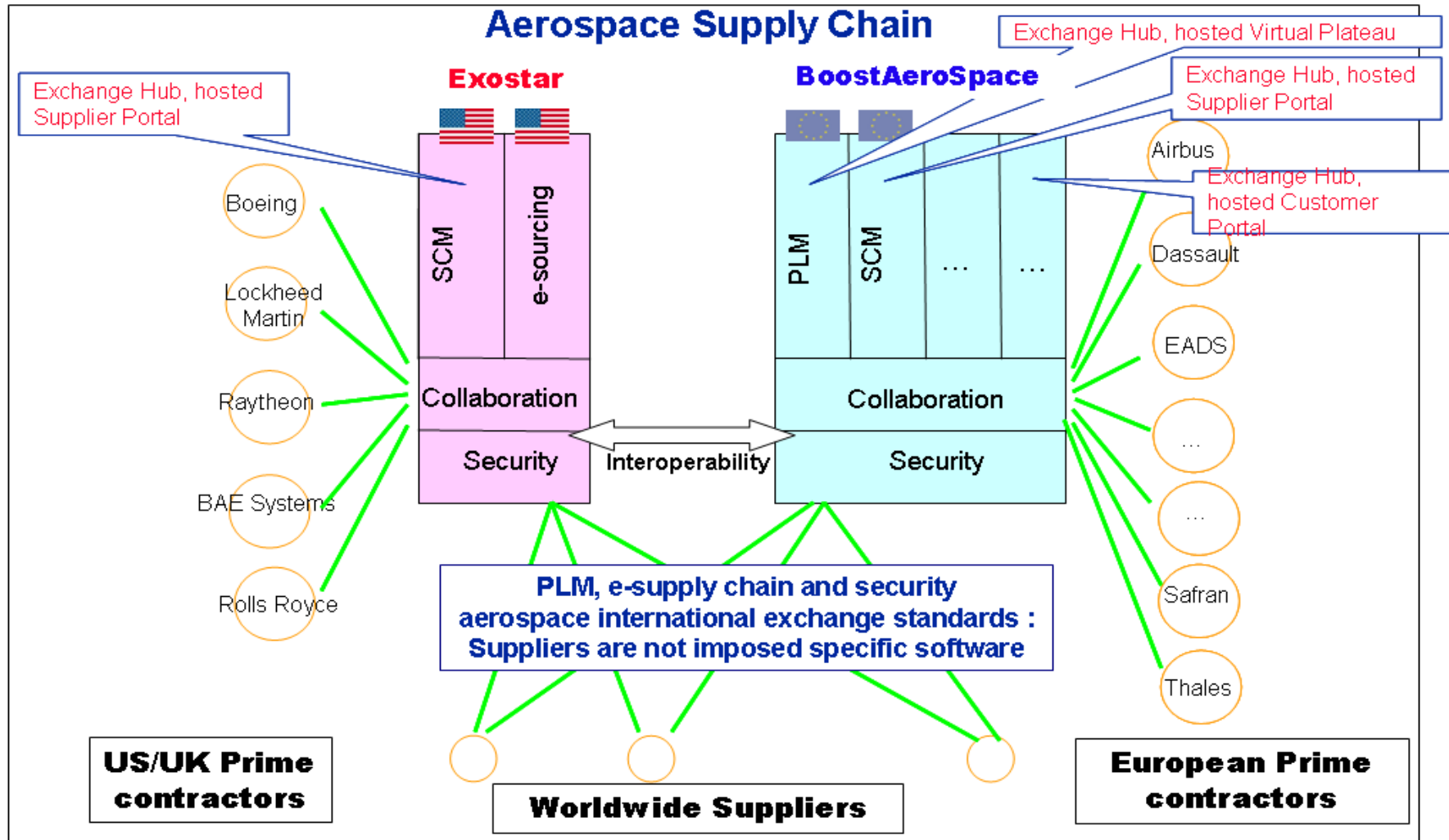
- Secure e-Mail
- File encryption
- Data Flow encryption



Protect enterprise assets, products, business and personal data delivering a security layer transparent to the users



## BoostAeroSpace and Exostar Involved actors, proposed services, technological partners



---

**Thank you for you attention.**

---

