



TESTA-ng

TESTA – 20 years of history
June 2018

Agenda

- *Introduction on TESTA*
 - **Objectives**
 - **Mission**
 - **A brief history**
- *Who is connected today ?*
 - **Multiple communities of interests**
- *Why using TESTA today ?*
- *Applications using TESTA today*
- *Where to find information over TESTA ?*
- *Basics on TESTA Network*



Introduction

Introduction – TESTA Objectives

- *The TESTA network born on the initiative the Member States in the context of IDA programme and is now under the ISA² programme.*
- *The objective of TESTA (Trans European Services for Telematics between Administrations) is to exchange data effectively between European and Member States administrations.*

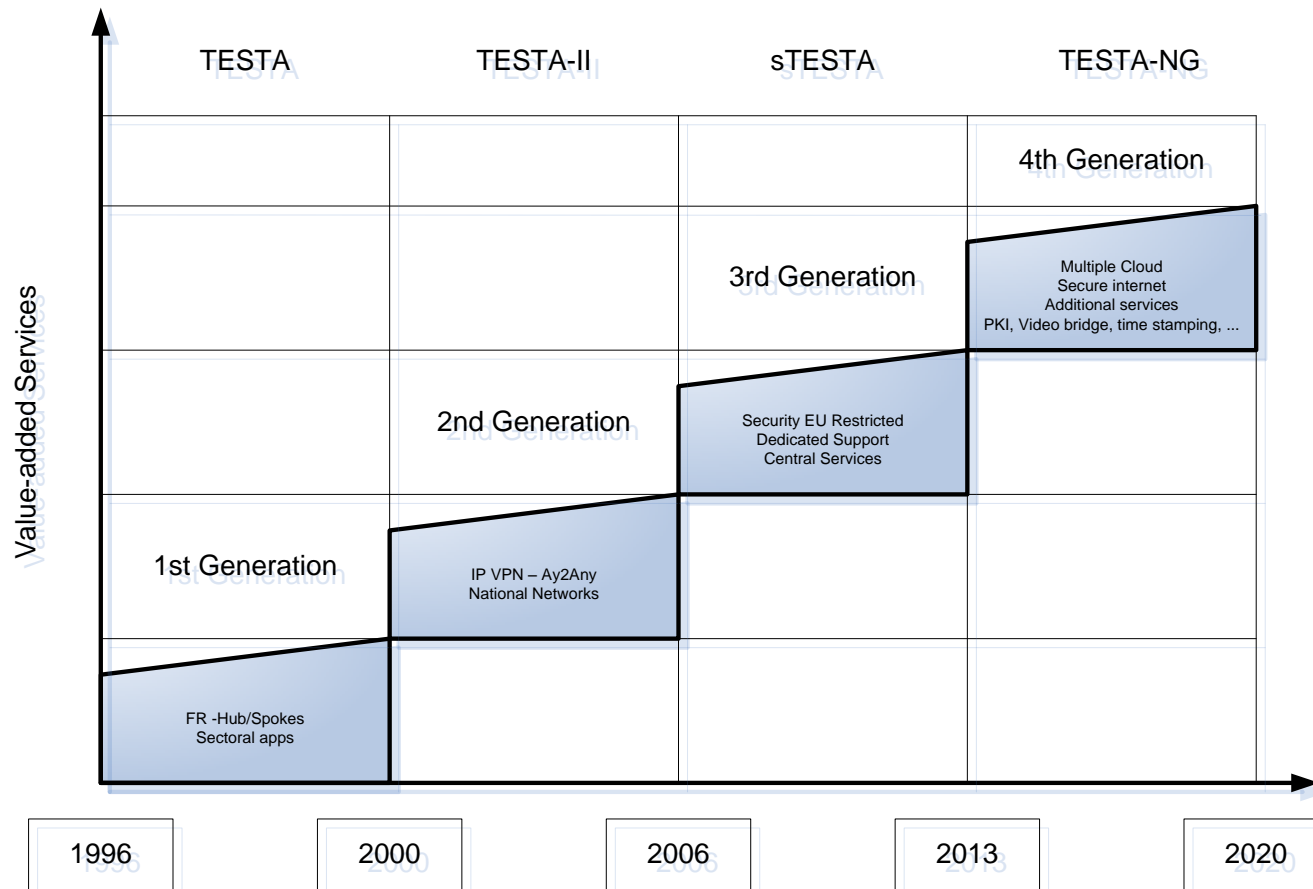
Introduction – TESTA Mission

- *The mission of TESTA is to*
 - **Facilitate cooperation between public administrations in various policy areas**
 - **Consolidate existing networks by providing a secure, reliable and flexible communication service layer**

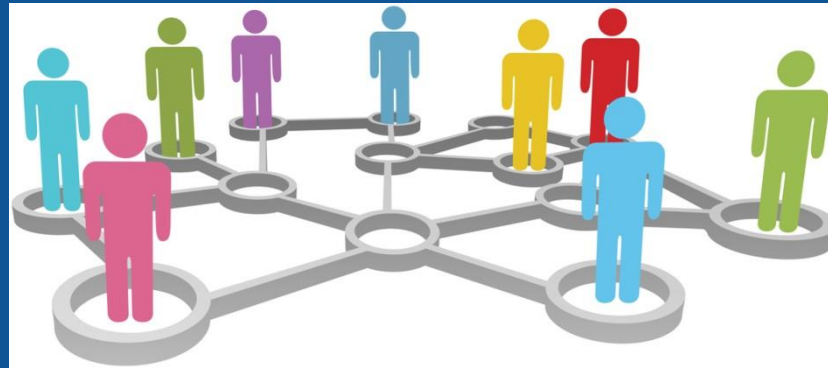


European
Commission

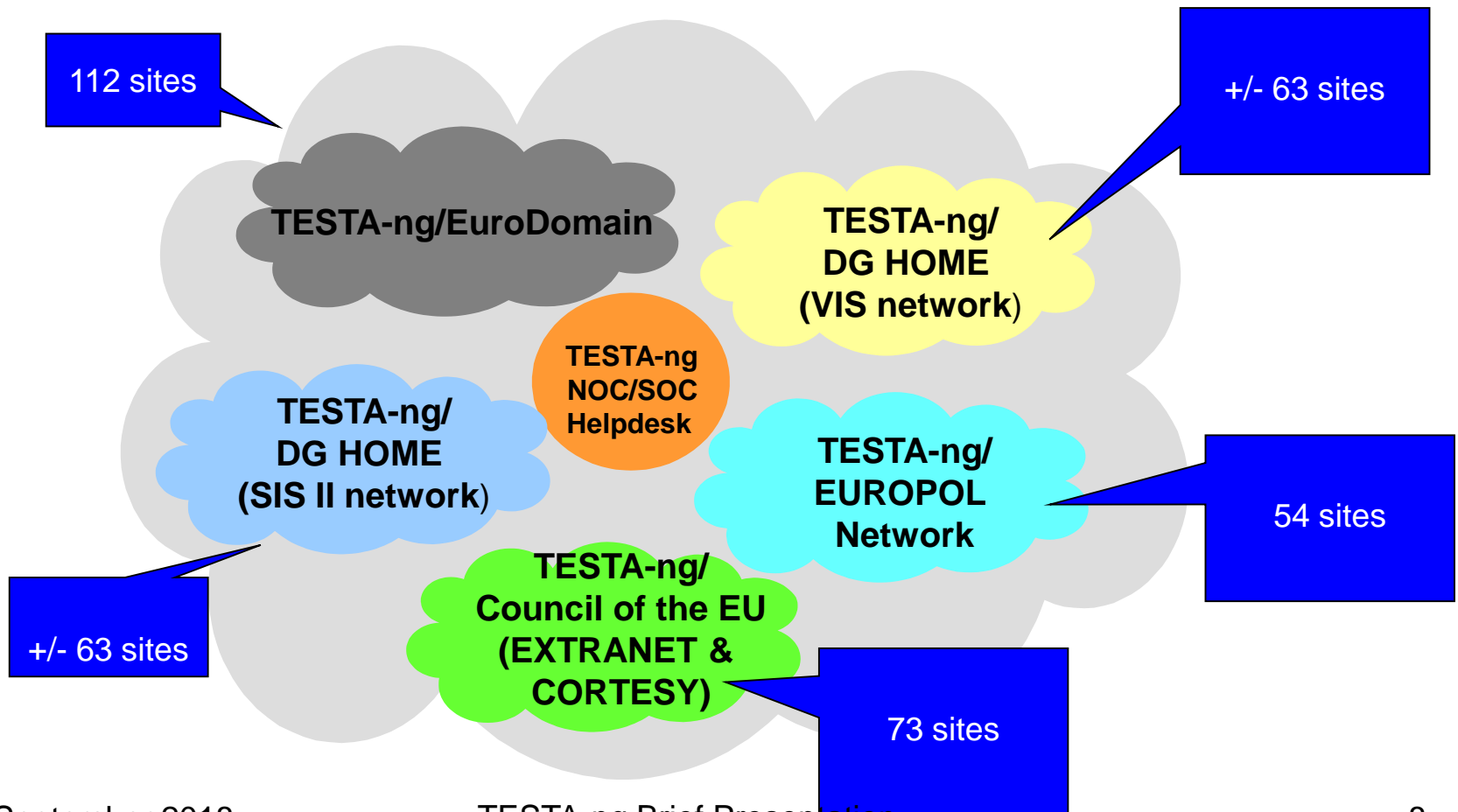
Introduction - A brief history...



Who is connected today ?



Multiple communities of interests



Who is my National Contact Point

*List of TESTA National Coordinators – 7
September 2018*

→ See attached file



Adobe Acrobat
Document

Why using TESTA today?



Rationale : why using TESTA ?

TESTA is....

The **TRUSTED** solution for pan-European information exchange between administrations **requiring guaranteed service levels** for network **availability, performance** and/or **security**.

Its infrastructure has been built to be subject to a security accreditation process to allow the exchange of EU classified information up to the "RESTREINT UE" level.

Applications using TESTA today



TESTA : EuroDomain policies projects & services

> 100 policies projects & services

27 Applications
in various EU
policy domains
mostly
supporting
exchanges
between all EU
countries

12 Services at
EU Member
State level

78 Services for
European
bodies

TESTA EuroDomain IS contributing the Union's high political priorities – for example:

1. **Justice and fundamental rights** by providing secured and reliable communication infrastructure to information systems **in the context of Fight against organised crime:**

- European Criminal Records Information Systems (**ECRIS**),
- Cross border Police Cooperation combating terrorism and cross border crime (**Prüm**),
- System of Control of Explosives for the Prevention and Fights against the terrorism (**SCEPYLT**).

2. **Migration** by providing secured and reliable communication infrastructure to information systems **in the context of Asylum:**

- **EURODAC / DUBLINET** for the comparison of finger Prints of asylum applications.

3. **The Internal Market** by providing secured and reliable communication infrastructure to information systems in the context of:

- Money laundering (Financial Intelligence Network (**FIUNET**),
- Free movement of people by supporting the electronic exchange of social security Information (**EESSI**).



European
Commission

Some Testimonies

WHAT OUR USERS SAY

TESTA
 A solution by ISA² Programme

"The European Criminal Record Information System (ECRIS) was established in 2012 to facilitate the exchange of information on criminal records throughout the European Union. It enables the electronic interconnections between EU countries and puts rules into place to ensure that information on convictions contained in the national criminal records systems can be exchanged through an electronic standardised format, in a uniform and speedy way, and within short legal deadlines. Currently all EU countries are connected to the ECRIS and the exchanges reached in 2016 around the 2 million messages over the TESTA network. The ECRIS users are also using the secured TESTA FTP service which was recently migrated to TESTA-next generation."



Jaime Lopez Loosvelt
 General Criminal Law Unit,
 DG Justice and Consumers,
 European Commission

ECRIS: European Criminal Record Information System

EUCARIS: European Car & Driving License Information System

WHAT OUR USERS SAY

"EUCARIS, the European CAR and driving license Information System, is a system that connects countries to enable them to share vehicle and driving license information and other transport related data. EUCARIS is merely an exchange mechanism that connects the Vehicle and Driving License Registration Authorities in Europe and has no database of its own. It is developed by and for governmental authorities and supports:

- the exchange of vehicle data and the fight against car theft and registration fraud at re-registration of cars after import;
- the fight against crime and terrorism based on Council Decisions 2008/615/JHA and 2008/616/JHA;
- the exchange of driving license information within the EU system RESPER;
- the exchange of owner/holder data for the enforcement of road-safety related traffic offences (CB3).

Currently all EU and EFTA Member States are connected to EUCARIS and exchange an estimated 50 million messages per year. As from 2007, all data exchange is over the closed TESTA network, guaranteeing a high level of security on top of the XML-signing offered by the EUCARIS system, which is essential as sensitive data are exchanged. TESTA has proven to be highly reliable and to deal with our load without any problems. Next steps we consider, are the TESTA PKI and DNS services, to further enhance our service level."



Herman GROOTERS,
 Manager Operations EUCARIS, on behalf of the Netherlands Vehicle Authority (RDW)

WHAT OUR USERS SAY


CERT-EU - Computer Emergency Response Team for the European Union institutions, bodies and agencies

is a permanent team providing cybersecurity and incident response services to all of its constituents. It cooperates closely with other CERTs in the Member States and beyond as well as with specialized IT security companies.

In order to deliver some of its services, CERT-EU relies on a number of software, hardware and network components. Among these is the private, more secure TESTA network. The network enables constituents having subscribed to full network access to connect to CERT-EU TESTA-ng servers. Moreover, the TESTA Public Key Infrastructure allows CERT-EU to benefit from S/MIME encryption certificates to protect further e-mail exchanges with constituents, peers and partners who are similarly equipped.

TESTA-ng Brief Presentation

For more information, please visit CERT-EU's web site at <http://cert.europa.eu>.



Where to find information over TESTA ?



TESTA Information Dissemination Points or Questions

If you want to know more about the TESTA programme and/or get connected, please contact:

ISA2 web site:

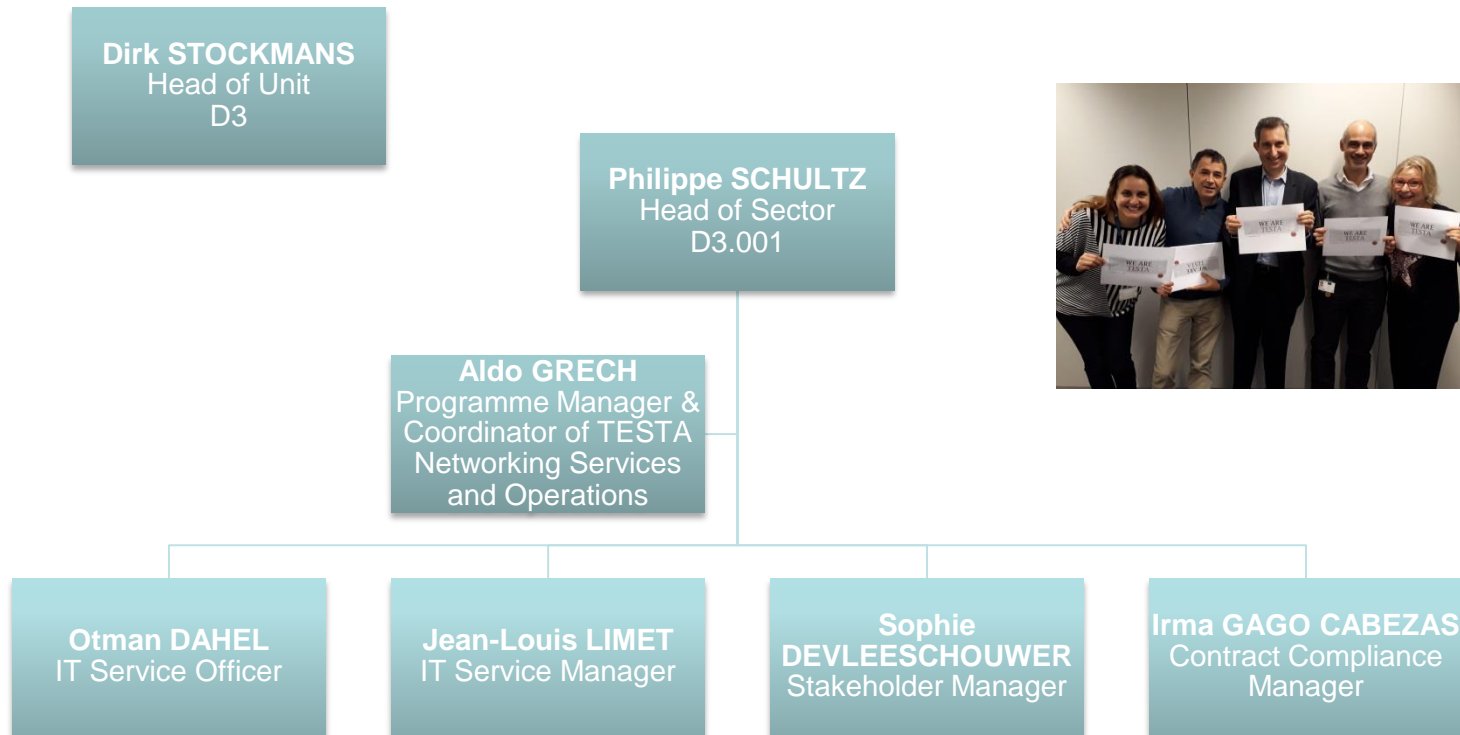
http://ec.europa.eu/isa/ready-to-use-solutions/isa2/stesta_en.htm

Mr. Philippe Schultz
Philippe.Schultz@ec.europa.eu

Mr. Aldo Grech
Aldo.Grech@ec.europa.eu

Ms. Sophie Devleeschouwer
DIGIT-TESTA@ec.europa.eu

DIGIT TESTA Team





European
Commission

Interim Web Portal

<https://demo.portal.testa.eu>



About TESTA-ng



Our services



Who is connected



List of Applications



News



Frequently Asked
Questions



Basics on TESTA Eurodomain Network

TESTA Components

What is the TESTA Eurodomain network?

Composed of 4 main components:

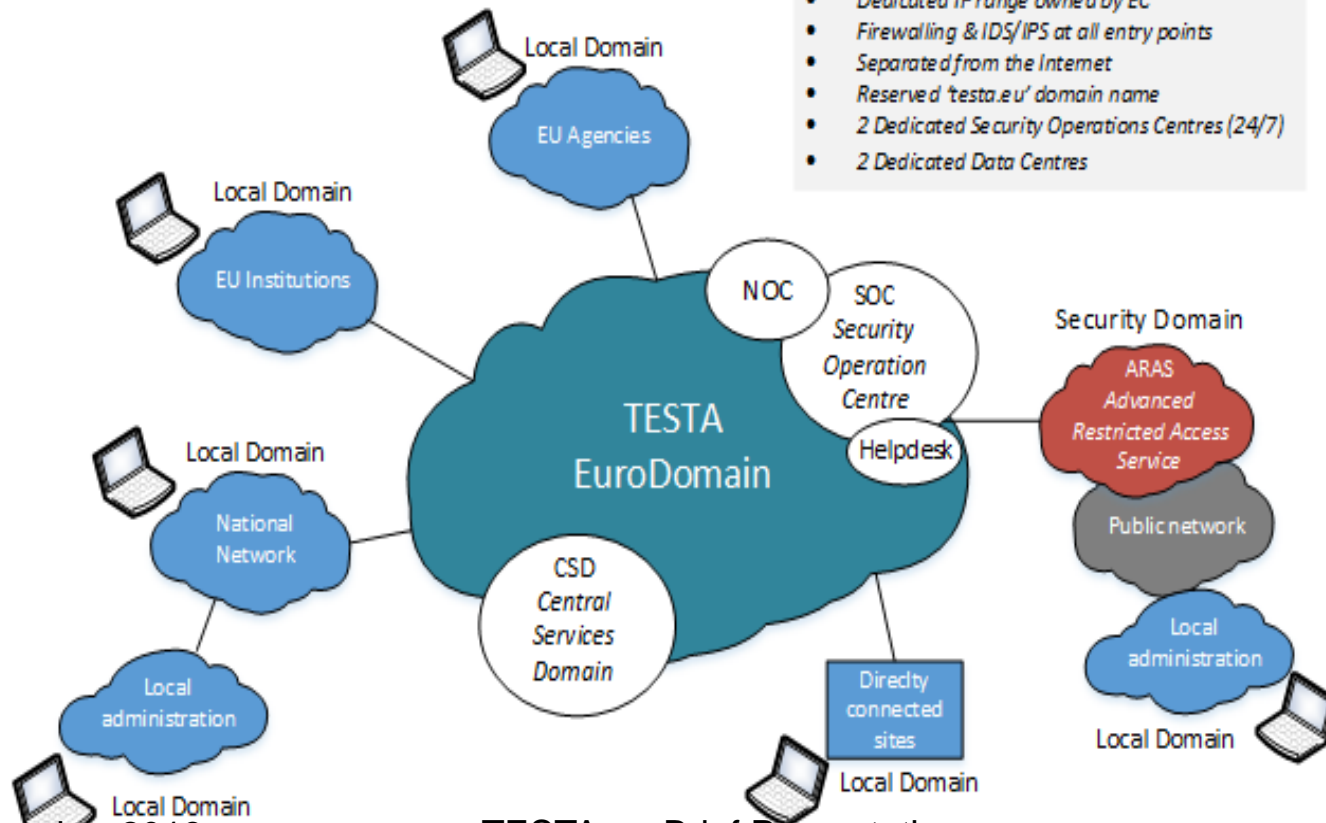
- Primary Services and Operations Centre in Kosice
- Backup Services and Operations Centre in Berlin
- Primary Central Service Domain in Munich
- Secondary Central Service Domain in Vienna



European Commission

TESTA-ng : EuroDomain infrastructure

- EuroDomain characteristics:**
- Full resilient access points
 - Private MPLS based network
 - Dedicated IP range owned by EC
 - Firewalling & IDS/IPS at all entry points
 - Separated from the Internet
 - Reserved 'testa.eu' domain name
 - 2 Dedicated Security Operations Centres (24/7)
 - 2 Dedicated Data Centres



TESTA-ng : EuroDomain security

- *Security = End to end TRUST*
 - **By implementing measures and policies**
 - **By auditing**
 - **By having agreements**
 - Bilateral
 - Legal agreements

TESTA-ng : EuroDomain security

- *Private MPLS-based network*
- *Dedicated IP addressing owned by EC*
- *IPSEC encryption between access points*
- *Firewalling at all entry points*
- *IDS/IPS at all access points*
- *Tested BCP*

TESTA-ng : EuroDomain services

- *Mail relay*
- *DNS services*
- *Network Time Protocol*
- *Secured FTP*
- *Secured email*
- *Web collaboration tool*
- *Dedicated secured complementary services*