

## **SSN Workshop 14**

**Lisbon 20-21 October 2010**

# **Status on 2-way SSL implementation**

1

A large, dark blue ocean wave is breaking, with white foam visible at the crest. The background image is partially obscured by a semi-transparent white box containing text.

**Lisbon, 21<sup>th</sup> October 2010**

# Agenda

- Introduction
- MS's evolution on 2-way SSL
- EMSA support to MSs
- Actions required

## Introduction

- On 26 May 2010, EMSA announced its readiness to implement **2-way SSL**.
- EMSA is to manage the digital certificates used for SSN as its own Public Key Infrastructure has been deployed: **EMSA Certification Authority**.
- Between 16 and 20 June 2010, MSs were invited to provide their implementation schedule.

## 2-way SSL MSs' evolution

Last date updated: 14/10/2010		Issued by EMSA		Installed by MS		Issued by EMSA		Installed by MS	
Country		Server	Client	Server	Client	Server	Client	Server	Client
		Production				Training			
BE	Belgium					OK			
BG	Bulgaria								
CY	Cyprus	OK							
DE	Germany	OK	OK	OK	OK	OK	OK	OK	OK
DK	Denmark								
EE	Estonia								
ES	Spain								
FI	Finland	OK				OK	OK		
FR	France	OK	OK	OK	OK	OK	OK	OK	OK
GB	United Kingdom								
GR	Greece	OK	OK	OK	postponed	OK	OK	OK	postponed
IS	Iceland	OK	OK			OK	OK	testing	
IE	Ireland	OK	OK	OK	OK	OK	OK	OK	OK
IT	Italy	OK	OK			OK	OK		
LT	Lithuania	OK	OK			OK	OK		
LV	Latvia					OK	OK		
MT (AIS)	Malta								
MT (MMA)	Malta	OK	OK						
NL (Amst)	Netherlands	OK	OK	OK		OK	OK	OK	
NL (CG)	Netherlands	OK		OK					
NL (Zee)	Netherlands					OK	OK	OK	
NO	Norway					OK			
PL	Poland	OK	OK	OK	OK/reverted for V2	OK		OK	
PT	Portugal					OK	OK		
RO	Romania								
SE	Sweden								
SL	Slovenia								

## EMSA support

- **Includes:**
  - necessary **documentation** needed for issuing the required certificate + **validation**;
  - generation of **certificates**;
  - **general guidelines** on how to produce CSRs, install certificates (depending on the MSs' server) and establish 2-way SSL communications;
  - validation of the **MSs' certificate installation**;
  - validation of the **MSs' 2-way SSL implementation** (via the request-response mechanism).
- Do **not** include **detailed steps** each MSs has to follow as very much dependent on the development of their application.

## Actions required

**Member States** still **using 1-way SSL** are invited to:

- **Communicate** as soon as possible **the dates** they plan **to switch to 2-way SSL** and inform EMSA in case of foreseen difficulties.
- Request their contractors and technical personnel to **advance the implementation before the end of 2010**.
- Request server certificates from EMSA CA as soon as possible: from **January 2011**, **only** the **EMSA CA** will be **supported for SSN-EIS**.

**Thank you**  
**Any Questions?**

