



SCOOP@F SPECIFICATION PRESENTATION

01 03 2017 – version 1.0

Specifications list

Reference	Type	Title
SCOOP_2445	Spec	SCOOP_2.4.4.5: PKI system requirements specifications
SCOOP_2446	Spec	SCOOP_2.4.4.6: PKI architecture and technical specifications
SCOOP_2446B	Spec	SCOOP_2.4.4.6_bis: Use case scenarios with security data
SCOOP_2447	Spec	SCOOP_2.4.4.7: Pseudonym change strategy

SCOOP_2.4.4.5: PKI system requirements specifications

Document's objective

The document aims at defining the PKI system functionalities and requirements.

Contents

- Definition of the PKI entities, the system actors and the functionalities.
- Analysis of the different use cases: Authorities' Certificates creation, Management of Trust lists :Certificate Revocation List (CRL) and Trusted Services List (TSL), Certificates requests by ITSS, Management of ITSS (Registration, status,...).
- Listing of the system requirements: Functional, Security, privacy, Performance and scalability, appliance to standards

SCOOP_2.4.4.6: PKI architecture and technical specifications

Document's objective

This document provides a high level overview of the PKI system architecture and details about its components, data structures and change requests.

Contents

- Presentation of the high level architecture of the PKI system.
- Description of the different roles of the actors: Operator, Manufacturer and ITSSs.
- Presentation of the functions of each component of the PKI system: RCA, LTCA, PCA,DC.
- Presentation of the PKI requests: CA certificate creation request/response, Long Term certificates and pseudonym certificates requests/responses, Trust lists (CRL,TSL) requests.
- Description of data structures.

SCOOP_2.4.4.6_bis: Use case scenarios with security data

Document's objective

This document describes the SCOOP@F part 1 use cases based on secured exchanged messages (CAM/DENM).

Contents

The use cases described:

- Uploading circulation Data.
- Uploading event data declared by driver.
- Animal on road warning.

SCOOP_2.4.4.7: Pseudonym change strategy

Document's objective

This document describes the pseudonym change strategy adopted in SCOOP@F project.

Contents

- The state of the art on strategies for changing pseudonyms in C-ITS.
- Description of the approach proposed for SCOOP@F project.



THANK YOU!



Co-financed by the European Union
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