| CF | P1 | | | | Active | | | | EC | CAC+ |
|------------------|------|-----|-----|------|-------------|------------|-------------|--------|-----|------|
| INF ² | 10.2 | | | Stak | eholders' S | WIM PKI ar | nd cyber se | curity | | |
| REG | ASP | MIL | APO | USE | INT | IND | NM | MET | AIS | USP |

Subject matter and scope

This Objective is dealing with the Stakeholders' SWIM PKI and cybersecurity. It aims at implementing basic/generic public key infrastructure management at each civil or military stakeholder, in line with their own Security Management System approved by their National Supervisory Authority (NSA). The local implementation may differ depending on whether the stakeholders will become a CA (Certificate Authority) themselves or use the European Common Aviation PKI (EACP) to generate certificates.

The stakeholder's local implementation includes two options (the options are also addressed in the description of the individual SLoAs):

- If the stakeholder decides to develop its own PKI:
- o definition of local policies and procedures for authorising and mandating local organisation to do certificate management in compliance with EACP policies;
 - o implementation of audit programmes ensuring continuous compliance with common and local policies and standards;
 - o implementation of its own local PKI while benefiting from the interoperability with other PKIs by using the EACP solution:
 - o adaptation of systems (equipment and procedures) to use local certificates and EACP services.
- If the stakeholder decides to use the EACP solution
 - o Use of EACP policies and procedures for authorising and mandating local organisation to use EACP certificates and services;
 - o implementation of audit programmes ensuring continuous compliance with EACP policies and standards;
 - o adaptation of systems (equipment and procedures) to use EACP solution;
- Whatever the decision will be, the following activities must be operated:
 - o training of technical personnel;
- o monitoring and control, e.g. establish a local or multi-stakeholders Security Operations Centre (or equivalent) to monitor and protect the IT systems against cyber-attacks.

Combining both options is a valid and acceptable approach (they are not exclusive) as:

- National regulation may impose to use a national PKI for critical infrastructure or operator of essential service or government-related organisations;
- Some stakeholders may already have a PKI that would have to be upgraded to be auditable and conform with EACP solution and they may wish to keep on using it;
- · Some stakeholders may decide to implement a local PKI for internal or specific uses and use EACP for other purposes.

System requirements:

Stakeholders shall implement, on one hand a Public Key Infrastructure (PKI) and, on the other hand cyber-security monitoring and control means. To implement the PKI, stakeholders have two main options:

- To use the European Aviation Common PKI (EACP) solution. In such case, stakeholders must:
 - o define the local framework to use digital certificates (policies, procedures);
- o implement audit programmes to ensure that their organisation and its policies & procedures are auditable and that consequently they can be trusted to use EACP certificates and thus by parties with whom information exchanges are secured using EACP digital certificates:
 - o adapt their systems to use the EACP solution (e.g. access to EACP certificate publication and validation services);
- o train their staff to ensure that they have the required demonstrated level of competence to use EACP digital certificates and services.
- To deploy their own local PKI and to benefit from the EACP solution only to ensure the interoperability of their local PKI with other stakeholders. In such case, stakeholders must:
- o define the local framework to deploy their local PKI (policies, procedures). If stakeholders want to benefit from the EACP interoperability and validation services, they will have to ensure that the policies and procedures of their local PKI is also compliant with EACP framework trust framework;
- o implement audit programmes to ensure that their organisation and its policies & procedures are auditable and that consequently they can be trusted to benefit from EACP interoperability service and thus by parties with whom information exchanges are secured using EACP interoperability and validation services;
 - o adapt their systems to use their local PKI solution as well as EACP validation service;
- o train their staff to ensure that they have the required demonstrated level of competence to use their local digital certificates and EACP interoperability and validation services.

Combining both options is a valid and acceptable approach (they are not exclusive) as:

INF10.2

Stakeholders' SWIM PKI and cyber security

o National Regulation may impose to use a national PKI for critical infrastructure or operator of essential service or government-related organisations;

o some stakeholders may already have a PKI that would have to be upgraded to be auditable and conform with EACP solution and they may wish to keep on using it;

o some stakeholders may decide to implement a local PKI for internal or specific uses and use EACP for other purposes.

NOTE: For a description of the EACP solution, see Family 5.1.1 of the Deployment Programme.

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Applicability Area(s) & Timescale(s)

| Applicability Area 1 All EU SES States | | | | |
|---|--|----------------|-----------------|---|
| Applicability Area 2 Albania, Azerbaijan, | | Moldova, Monte | enegro, Serbia, | Türkiye, United Kingdom |
| Timescales: | | From: | Ву: | Applicable to: |
| Initial Operational Capability | | 01/01/2021 | | Applicability Area 1 + Applicability Area 2 |
| Full Operational Capability / Target Date | | | 31/12/2025 | Applicability Area 1 + Applicability Area 2 |

References

European ATM Master Plan

| OI step - | [IS-0901-A]- | SWIM-TI Yellov | V Profile for Gro | und/Ground (G/ | (G) information | sharing | | |
|-----------|--------------|----------------|-------------------|-------------------|------------------|-------------------|-------------------|--|
| | Enablers - | REG-0519 | SWIM-GOV- 05a | SWIM-INFR- 05a | SWIM-NET- 01a | SWIM-SUPT- 01a | SWIM-SUPT- 03a | |

| Lanandi | M/VVZ 004 | Covered by SLoA(s) in | WXYZ-002 | Covered by SLoA(s) in another objective | WXYZ- | Not covered in the |
|-----------|-----------|-----------------------|----------|---|-------|---------------------|
| Legend: W | WXYZ-001 | this objective | zzz | Objective covering the enabler | 003 | Implementation Plan |

Applicable legislation

Regulation (EU) 2021/116 on the establishment of the Common Project One

Essential Operational Changes

ATM Interconnected Network Airport and TMA performance

SESAR Solution

#46 - SWIM Yellow Profile

ICAO GANP - ASBUs

SWIM-B2/3 SWIM registry

Deployment Programme

5.2.1 Stakeholders' SWIM PKI and cybersecurity

European Plan for Aviation Safety

Operating Environments

Airport En-Route

- none -

Network

Terminal Airspace

Stakeholder Lines of Action (SLoAs)

Implementation Plan Edition 2022

| INF10.2 | Stakeholders' SWIM PKI and cyber security |
|---------|---|
|---------|---|

| SloA ref. | Title | From | Ву |
|---------------|--|------------|------------|
| INF10.2-ASP01 | Local PKI framework | 01/01/2021 | 31/12/2025 |
| INF10.2-ASP02 | Continuous PKI audit process has been set up | 01/01/2021 | 31/12/2025 |
| INF10.2-ASP03 | Adapt systems to use PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-ASP04 | Implement local PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-ASP05 | Training | 01/01/2021 | 31/12/2025 |
| INF10.2-ASP06 | Implement cyber monitoring and control | 01/01/2021 | 31/12/2025 |
| INF10.2-APO01 | Local PKI framework | 01/01/2021 | 31/12/2025 |
| INF10.2-APO02 | Continuous PKI audit process has been set up | 01/01/2021 | 31/12/2025 |
| INF10.2-APO03 | Adapt systems to use PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-APO04 | Implement local PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-APO05 | Training | 01/01/2021 | 31/12/2025 |
| INF10.2-APO06 | Implement cyber monitoring and control | 01/01/2021 | 31/12/2025 |
| INF10.2-USE01 | Local PKI framework | 01/01/2021 | 31/12/2025 |
| INF10.2-USE02 | Continuous PKI audit process has been set up | 01/01/2021 | 31/12/2025 |
| INF10.2-USE03 | Adapt systems to use PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-USE04 | Implement local PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-USE05 | Training | 01/01/2021 | 31/12/2025 |
| INF10.2-USE06 | Implement cyber monitoring and control | 01/01/2021 | 31/12/2025 |
| INF10.2-MET01 | Local PKI framework | 01/01/2021 | 31/12/2025 |
| INF10.2-MET02 | Continuous PKI audit process has been set up | 01/01/2021 | 31/12/2025 |
| INF10.2-MET03 | Adapt systems to use PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-MET04 | Implement local PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-MET05 | Training | 01/01/2021 | 31/12/2025 |
| INF10.2-MET06 | Implement cyber monitoring and control | 01/01/2021 | 31/12/2025 |
| INF10.2-NM01 | Local PKI framework | 01/01/2021 | 31/12/2025 |
| INF10.2-NM02 | Continuous PKI audit process has been set up | 01/01/2021 | 31/12/2025 |
| INF10.2-NM03 | Adapt systems to use PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-NM04 | Implement local PKI | 01/01/2021 | 31/12/2025 |
| INF10.2-NM05 | Training | 01/01/2021 | 31/12/2025 |
| INF10.2-NM06 | Implement cyber monitoring and control | 01/01/2021 | 31/12/2025 |

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip objectives

Expected Performance Benefits

Safety: Capacity: Operational Efficiency: Cost Efficiency: Environment: Security: -

Detailed SLoA Descriptions

| | Detailed SLOA Descriptions | | | |
|-------------------------|--|---|--|--|
| INF10.2-ASP01 | Local PKI framework | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: 31/12/2025 | |
| Action by: | ANS Providers | | • | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common PKI/EACP or own PKI. Use of EACP policies and procedures for authorising and mandating local organisation to use EACP certificates and services. In case own PKI is used, interacting with the Common PKI, define local policies and procedures for authorising and mandating local organisation to do certificate management in compliance with EACP policies | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021 Url: https://www.sesardeploymentmanager.eu/publications/deployment- | | 2021 | |

| INF10.2 | Stakeholders' SWIM PKI and cyber security |
|---------|---|
|---------|---|

| Finalisation criteria: | 1 - PKI framework is completed | | |
|-------------------------|---|---|--------------------------------------|
| | | From: | By: |
| INF10.2-ASP02 | Continuous PKI audit process has been set up | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 |
| Action by: | ANS Providers | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common F Implement audit programmes ensuring continuous compliance wit In case own PKI is used, interacting with the Common PKI, impler compliance with common (EACP) and local policies and standards | h EACP policies and standard | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deploymen Url : <a deploymentmana<="" deploymentmanager.eu="" href="https://www.sesardeploymentmanager.eu/publications/deploymentmana</td><td>nt 2021, Deliverable D1.1.1 07</td><td>/2021</td></tr><tr><td>Finalisation criteria:</td><td>1 - PKI has been audited</td><td></td><td></td></tr><tr><td>INF10.2-ASP03</td><td>Adapt systems to use PKI</td><td>From: Applicability Area 1: 01/01/2021</td><td>By: Applicability Area 1: 31/12/2025</td></tr><tr><td>Action by:</td><td>ANS Providers</td><td></td><td></td></tr><tr><td>Description & purpose:</td><td>SLoA relevant for BOTH implementation options, using common F Adapt the systems (equipment and procedures) to use EACP solu In case own PKI is used, interacting with the Common PKI, adapt certificates and EACP services.</td><td>ition.</td><td>cedures) to use local</td></tr><tr><td>Supporting material(s):</td><td>SDM - Standardisation and Regulation support to CP1 deploymen Url: https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu/pub</td><td>·</td><td>/2021</td></tr><tr><td>inalisation criteria:</td><td>1 - System using PKI has been adapted</td><td></td><td></td></tr><tr><td></td><td></td><td>From:</td><td>By:</td></tr><tr><td>INF10.2-ASP04</td><td>Implement local PKI</td><td>Applicability Area 1: 01/01/2021</td><td>Applicability Area 1 31/12/2025</td></tr><tr><td>Action by:</td><td>ANS Providers</td><td></td><td></td></tr><tr><td>Description & purpose:</td><td>ONLY In case own PKI is used, interacting with the Common PKI, interoperability with other PKIs by using the EACP services.</td><td>implement its own local PKI v</td><td>while benefiting from the</td></tr><tr><td>Supporting material(s):</td><td>SDM - Standardisation and Regulation support to CP1 deploymen Url : <td></td><td>/2021</td> | | /2021 |
| Finalisation criteria: | 1 - System(s) is (are) upgraded | | |
| INF10.2-ASP05 | Training | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: 31/12/2025 |
| Action by: | ANS Providers | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common F Training of technical personal is completed. | PKI/EACP or own PKI. | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deploymen Url : https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu/pu | | /2021 |
| Finalisation criteria: | 1 - Staff has been certified | | |
| INF10.2-ASP06 | Implement cyber monitoring and control | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1 31/12/2025 |
| Action by: | ANS Providers | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common F Implement monitoring and control to protect the IT systems agains | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deploymen Url: https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu/pub | nt 2021, Deliverable D1.1.1 07 | /2021 |
| Finalisation criteria: | 1 - Cyber monitoring and control systems implemented. | | |
| INF10.2-APO01 | Local PKI framework | From: | By: |

| INF10.2 Stakeholders' SWIM PKI and cyber security | INF10.2 | Stakeholders' SWIM PKI and cyber security |
|---|---------|---|
|---|---------|---|

| | | Applicability Area | Applicability Area 1: 31/12/2025 | | | |
|---|--|--|--|--|--|--|
| | | 01/01/2021 | 0171272020 | | | |
| Action by: | Airport Operators | | | | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common PKI/EACP or own PKI. | | | | | |
| | Use of EACP policies and procedures for authorising and mandating loservices. | cal organisation to use E | ACP certificates and | | | |
| | In case own PKI is used, interacting with the Common PKI, define local mandating local organisation to do certificate management in compliance | ce with EACP policies | | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 202 | | /2021 | | | |
| Florette et en entre et e | Url: https://www.sesardeploymentmanager.eu/publications/deployment | <u>-programme</u> | | | | |
| Finalisation criteria: | 1 - PKI framework is completed | From: | Dv. | | | |
| | | Applicability Area | By: Applicability Area 1: | | | |
| INF10.2-APO02 | Continuous PKI audit process has been set up | 1: | 31/12/2025 | | | |
| | | 01/01/2021 | 0.7.12/2020 | | | |
| Action by: | Airport Operators | | | | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common PKI/E | ACP or own PKI. | | | | |
| | | | | | | |
| | Implement audit programmes ensuring continuous compliance with EA | CP policies and standard | ds. | | | |
| | In case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. | audit programmes ensur | ing continuous | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 202 | | /2021 | | | |
| | Url: https://www.sesardeploymentmanager.eu/publications/deployment | -programme | | | | |
| Finalisation criteria: | 1 - PKI has been audited | | | | | |
| | | From: | By: | | | |
| | | | | | | |
| INF10.2-APO03 | Adapt systems to use PKI | Applicability Area 1: | | | | |
| INF10.2-APO03 | Adapt systems to use PKI | | Applicability Area 1: 31/12/2025 | | | |
| | Adapt systems to use PKI Airport Operators | 1: | Applicability Area 1: 31/12/2025 | | | |
| Action by: | | 1: 01/01/2021 | | | | |
| Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ | 1: 01/01/2021 | | | | |
| Action by: | Airport Operators | 1: 01/01/2021 | · · | | | |
| Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste | 1: 01/01/2021 ACP or own PKI. | 31/12/2025 | | | |
| Action by: Description & purpose: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. | 1: 01/01/2021 ACP or own PKI. ms (equipment and prod | 31/12/2025 | | | |
| Action by: Description & purpose: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 | 1: 01/01/2021 ACP or own PKI. ms (equipment and prod 1, Deliverable D1.1.1 07 | 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment | 1: 01/01/2021 ACP or own PKI. ms (equipment and prod 1, Deliverable D1.1.1 07 | 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07 -programme | 31/12/2025 cedures) to use local //2021 | | | |
| Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07 -programme From: | 31/12/2025 cedures) to use local //2021 | | | |
| Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07 -programme From: Applicability Area | sedures) to use local //2021 By: Applicability Area 1: | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07 -programme From: | 31/12/2025 cedures) to use local //2021 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: | sedures) to use local //2021 By: Applicability Area 1: | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, imple | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 | 31/12/2025 Dedures) to use local 2/2021 By: Applicability Area 1: 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 | sedures) to use local //2021 By: Applicability Area 1: 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, imple | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07 1-programme From: Applicability Area 1: 01/01/2021 | asil/12/2025 seedures) to use local //2021 By: Applicability Area 1: 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 ement its own local PKI vicinity 1, Deliverable D1.1.1 07 | asil/12/2025 seedures) to use local //2021 By: Applicability Area 1: 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 ement its own local PKI vicinity 1, Deliverable D1.1.1 07 | asil/12/2025 seedures) to use local //2021 By: Applicability Area 1: 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 ement its own local PKI vicinity 1, Deliverable D1.1.1 07 | asil/12/2025 seedures) to use local //2021 By: Applicability Area 1: 31/12/2025 | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded | 1: 01/01/2021 ACP or own PKI. ms (equipment and product of the programme) From: Applicability Area 1: 01/01/2021 ement its own local PKI of the programme From: Applicability Area 1: 01/01/2021 | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07 | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO05 | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded Training | 1: 01/01/2021 ACP or own PKI. ms (equipment and product of the programme) From: Applicability Area 1: 01/01/2021 ement its own local PKI of the programme From: Applicability Area 1: 01/01/2021 | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO05 Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded Training Airport Operators | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 From: 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO05 Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systecertificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded Training | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 From: 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO05 Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, impleinteroperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded Training Airport Operators | 1: 01/01/2021 ACP or own PKI. ms (equipment and production) 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 From: 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO05 Action by: Description & purpose: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, imple interoperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded Training Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/ Training of technical personal is completed. | 1: 01/01/2021 ACP or own PKI. ms (equipment and product) 1, Deliverable D1.1.1 07-programme From: Applicability Area 1: 01/01/2021 Applicability Area 1: 01/01/2021 ACP or own PKI. | and the second s | | | |
| Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO04 Action by: Description & purpose: Supporting material(s): Finalisation criteria: INF10.2-APO05 Action by: | Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/A Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt syste certificates and EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System using PKI has been adapted Implement local PKI Airport Operators ONLY In case own PKI is used, interacting with the Common PKI, imple interoperability with other PKIs by using the EACP services. SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deployment 1 - System(s) is (are) upgraded Training Airport Operators SLoA relevant for BOTH implementation options, using common PKI/E/A | 1: 01/01/2021 ACP or own PKI. ms (equipment and prod 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 ement its own local PKI v 1, Deliverable D1.1.1 07 -programme From: Applicability Area 1: 01/01/2021 ACP or own PKI. | and the second s | | | |

| INF10.2 Stakeholders' SWIM PKI and cyber security | |
|---|--|
|---|--|

| | Implement cyber monitoring and control | From: By: | | |
|--------------------------------------|--|---|--------------------------------------|--|
| INF10.2-APO06 | | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 | |
| Action by: | Airport Operators | | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common PKI/EACP or own PKI. Implement monitoring and control to protect the IT systems against cyber-attacks | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 202 Url: https://www.sesardeploymentmanager.eu/publications/deploymentmanager.e | 1, Deliverable D1.1.1 07 | /2021 | |
| Finalisation criteria: | 1 - Cyber monitoring and control systems implemented. | | | |
| | | From: | By: | |
| INF10.2-USE01 | Local PKI framework | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 | |
| Action by: | Airspace Users | 01/01/2021 | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common PKI/E. | ACP or own PKI | | |
| | Use of EACP policies and procedures for authorising and mandating lo services. In case own PKI is used, interacting with the Common PKI, define local mandating local organisation to do certificate management in complian | policies and procedures | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 202 | • | /2021 | |
| 3 (., | Url : https://www.sesardeploymentmanager.eu/publications/deploymentmanager | • | | |
| Finalisation criteria: | 1 - PKI framework is completed | | | |
| | | From: | By: | |
| INF10.2-USE02 | Continuous PKI audit process has been set up | Applicability Area 1: | Applicability Area 1: 31/12/2025 | |
| Nation by: | Aironago Heara | 01/01/2021 | | |
| Action by: Description & purpose: | Airspace Users SLoA relevant for BOTH implementation options, using common PKI/EACP or own PKI. | | | |
| | Implement audit programmes ensuring continuous compliance with EA In case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. | audit programmes ensur | ing continuous | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 202 Url: <a deployment-programme"="" href="https://www.sesardeploymentmanager.eu/publications/deployment</td><td></td><td>/2021</td></tr><tr><td>Finalisation criteria:</td><td>1 - PKI has been audited</td><td></td><td></td></tr><tr><td>INF10.2-USE03</td><td>Adapt systems to use PKI</td><td>From: Applicability Area 1: 01/01/2021</td><td>By: Applicability Area 1: 31/12/2025</td></tr><tr><td>Action by:</td><td>Airspace Users</td><td>-</td><td>-</td></tr><tr><td>Description & purpose:</td><td>SLoA relevant for BOTH implementation options, using common PKI/E.</td><td>ACP or own PKI.</td><td></td></tr><tr><td></td><td colspan=3>Adapt the systems (equipment and procedures) to use EACP solution. In case own PKI is used, interacting with the Common PKI, adapt systems (equipment and procedures) to use local</td></tr><tr><td></td><td>certificates and EACP services.</td><td></td><td></td></tr><tr><td>Supporting material(s):</td><td colspan=3>SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | |
| Finalisation criteria: | 1 - System using PKI has been adapted | _ | | |
| INF10.2-USE04 | Implement local PKI | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: 31/12/2025 | |
| Action by: | Airspace Users | 01/01/2021 | | |
| • | ONLY In case own PKI is used, interacting with the Common PKI, implement its own local PKI while benefiting from the | | | |
| Description & purpose: | interoperability with other PKIs by using the EACP services. | | | |

| | 1 - System(s) is (are) upgraded | | |
|---|--|--|--|
| | | From: | Ву: |
| INF10.2-USE05 | Training | Applicability Area 1: | Applicability Area 1: 31/12/2025 |
| | | 01/01/2021 | |
| ction by: | Airspace Users | | |
| escription & purpose: | SLoA relevant for BOTH implementation options, using common PKI/ | EACP or own PKI. | |
| | Training of technical personal is completed. | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 | | |
| | Url: https://www.sesardeploymentmanager.eu/publications/deployme | nt-programme | |
| inalisation criteria: | 1 - Staff has been certified | | |
| INF10.2-USE06 | Implement cyber monitoring and control | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: 31/12/2025 |
| action by: | Airspace Users | 01/01/2021 | |
| escription & purpose: | SLoA relevant for BOTH implementation options, using common PKI/ | EACP or own PKI. | |
| oodpo a. papood. | | | |
| | Implement monitoring and control to protect the IT systems against cy | | /0004 |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu | • | /2027 |
| inalisation criteria: | 1 - Cyber monitoring and control systems implemented. | nt-programme | |
| mansation criteria. | - Cyber montoring and control systems implemented. | From: | By: |
| INF10.2-MET01 | Local PKI framework | Applicability Area | Applicability Area 1: |
| INF 10.2-WE 101 | Local FRI Italiiework | 1: | 31/12/2025 |
| | | 01/01/2021 | |
| ction by: escription & purpose: | MET Providers SLoA relevant for BOTH implementation options, using common PKI/ | | |
| | Use of EACP policies and procedures for authorising and mandating l services. | ocal organisation to use E | ACP certificates and |
| | , , | al policies and procedures | |
| Supporting material(s): | services. In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 | al policies and procedures nce with EACP policies l21, Deliverable D1.1.1 07 | s for authorising and |
| | services. In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: <a deploymentmanager.eu="" href="https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu/publication</td><td>al policies and procedures nce with EACP policies l21, Deliverable D1.1.1 07</td><td>s for authorising and</td></tr><tr><td></td><td>services. In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20</td><td>al policies and procedures nce with EACP policies 21, Deliverable D1.1.1 07 nt-programme</td><td>for authorising and</td></tr><tr><td>Supporting material(s): inalisation criteria: INF10.2-MET02</td><td>services. In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: <a href=" https:="" publication<="" publications="" td="" www.sesardeploymentmanager.eu=""><td>al policies and procedures nce with EACP policies l21, Deliverable D1.1.1 07</td><td>for authorising and /2021</td> | al policies and procedures nce with EACP policies l21, Deliverable D1.1.1 07 | for authorising and /2021 |
| inalisation criteria: | services. In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 nt-programme From: Applicability Area 1: | By: Applicability Area 1: |
| inalisation criteria: INF10.2-MET02 ction by: | services. In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 nt-programme From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: |
| inalisation criteria: INF10.2-MET02 ction by: | In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI// | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 nt-programme From: Applicability Area 1: 01/01/2021 EACP or own PKI. | By: Applicability Area 1: 31/12/2025 |
| inalisation criteria: | In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI/I Implement audit programmes ensuring continuous compliance with E. In case own PKI is used, interacting with the Common PKI, implement | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 nt-programme From: Applicability Area 1: 01/01/2021 EACP or own PKI. ACP policies and standard | By: Applicability Area 1: 31/12/2025 |
| inalisation criteria: INF10.2-MET02 ction by: escription & purpose: | In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI/Implement audit programmes ensuring continuous compliance with Elin case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 nt-programme From: Applicability Area 1: 01/01/2021 EACP or own PKI. ACP policies and standard t audit programmes ensur | By: Applicability Area 1: 31/12/2025 ds. ing continuous |
| inalisation criteria: INF10.2-MET02 ction by: escription & purpose: | In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI/Implement audit programmes ensuring continuous compliance with Elin case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. SDM - Standardisation and Regulation support to CP1 deployment 20 | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 11-programme From: Applicability Area 1: 01/01/2021 EACP or own PKI. ACP policies and standard taudit programmes ensur | By: Applicability Area 1: 31/12/2025 ds. ing continuous |
| inalisation criteria: INF10.2-MET02 ction by: escription & purpose: upporting material(s): | In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI/Implement audit programmes ensuring continuous compliance with Elin case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. | al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 11-programme From: Applicability Area 1: 01/01/2021 EACP or own PKI. ACP policies and standard taudit programmes ensur | By: Applicability Area 1: 31/12/2025 ds. ing continuous |
| inalisation criteria: INF10.2-MET02 ction by: escription & purpose: upporting material(s): | In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI// Implement audit programmes ensuring continuous compliance with Elin case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. SDM - Standardisation and Regulation support to CP1 deployment 20 Url: <a deployme"="" href="https://www.sesardeploymentmanager.eu/publications/deploymentmanager.eu/publ</td><td>al policies and procedures nce with EACP policies 121, Deliverable D1.1.1 07 11-programme From: Applicability Area 1: 01/01/2021 EACP or own PKI. ACP policies and standard taudit programmes ensur</td><td>By: Applicability Area 1: 31/12/2025 ds. ing continuous</td></tr><tr><td>inalisation criteria: INF10.2-MET02 ction by: escription & purpose: upporting material(s): inalisation criteria:</td><td>In case own PKI is used, interacting with the Common PKI, define loc mandating local organisation to do certificate management in complia SDM - Standardisation and Regulation support to CP1 deployment 20 Url: https://www.sesardeploymentmanager.eu/publications/deployme 1 - PKI framework is completed Continuous PKI audit process has been set up MET Providers SLoA relevant for BOTH implementation options, using common PKI// Implement audit programmes ensuring continuous compliance with Elin case own PKI is used, interacting with the Common PKI, implement compliance with common (EACP) and local policies and standards. SDM - Standardisation and Regulation support to CP1 deployment 20 Url: | | |

| INF10.2 | Stakeholders' SWIM PKI and cyber security SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | | |
|--|---|---|---|--|--|
| Supporting material(s): | | | | | |
| inalisation criteria: | 1 - System using PKI has been adapted | | | | |
| INF10.2-MET04 | Implement local PKI | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: 31/12/2025 | | |
| ction by: | MET Providers | | | | |
| escription & purpose: | ONLY In case own PKI is used, interacting with the Common PKI, implement its own local PKI while benefiting from the interoperability with other PKIs by using the EACP services. | | | | |
| supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | | |
| inalisation criteria: | 1 - System(s) is (are) upgraded | | | | |
| INF10.2-MET05 | Training | From: Applicability Area 1: 01/01/2021 | By: Applicability Area 1: 31/12/2025 | | |
| ction by: | MET Providers | | : | | |
| escription & purpose: | SLoA relevant for BOTH implementation options, using common PKI/EACP or own PKI. Training of technical personal is completed. SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 | | | | |
| inalisation criteria: | Url: https://www.sesardeploymentmanager.eu/publications/deploym 1 - Staff has been certified | <u>lent-programme</u> | | | |
| mansation criteria. | 1 - Stail Has been certified | From: | By: | | |
| INF10.2-MET06 | Implement cyber monitoring and control | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 | | |
| ction by: | MET Providers | | | | |
| escription & purpose: | SLoA relevant for BOTH implementation options, using common PK | I/EACP or own PKI. | | | |
| | Implement monitoring and control to protect the IT systems against of | cyber-attacks | | | |
| upporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | | |
| inalisation criteria: | Cyber monitoring and control systems implemented. | on programmo | | | |
| | | From: | Ву: | | |
| INF10.2-NM01 | Local PKI framework | Applicability Area 1: 01/01/2021 | Applicability Area 1: 31/12/2025 | | |
| ction by: | NM | | | | |
| escription & purpose: | SLoA relevant for BOTH implementation options, using common PK | I/EACP or own PKI. | | | |
| | Use of EACP policies and procedures for authorising and mandating local organisation to use EACP certificates and services. | | | | |
| | services. | | In case own PKI is used, interacting with the Common PKI, define local policies and procedures for authorising and mandating local organisation to do certificate management in compliance with EACP policies | | |
| | In case own PKI is used, interacting with the Common PKI, define lo | | for authorising and | | |
| upporting material(s): | In case own PKI is used, interacting with the Common PKI, define lo | ance with EACP policies 2021, Deliverable D1.1.1 07 | | | |
| | In case own PKI is used, interacting with the Common PKI, define lo mandating local organisation to do certificate management in compli SDM - Standardisation and Regulation support to CP1 deployment 2 | ance with EACP policies 2021, Deliverable D1.1.1 07 | | | |
| ., , | In case own PKI is used, interacting with the Common PKI, define lo mandating local organisation to do certificate management in compli SDM - Standardisation and Regulation support to CP1 deployment 2 Url: <a deploymentma<="" deploymentmanager.eu="" href="https://www.sesardeploymentmanager.eu/publications/deploymentma</td><td>ance with EACP policies 2021, Deliverable D1.1.1 07</td><td></td></tr><tr><td>inalisation criteria:</td><td>In case own PKI is used, interacting with the Common PKI, define lo mandating local organisation to do certificate management in compli SDM - Standardisation and Regulation support to CP1 deployment 2 Url: <td>ent-programme From: Applicability Area 1:</td><td>/2021 By:</td> | ent-programme From: Applicability Area 1: | /2021 By: | | |
| inalisation criteria: | In case own PKI is used, interacting with the Common PKI, define lo mandating local organisation to do certificate management in compli SDM - Standardisation and Regulation support to CP1 deployment 2 Url: https://www.sesardeploymentmanager.eu/publications/deployment - PKI framework is completed Continuous PKI audit process has been set up | 2021, Deliverable D1.1.1 07 ent-programme From: Applicability Area | /2021 By: Applicability Area 1: | | |
| inalisation criteria: INF10.2-NM02 ction by: | In case own PKI is used, interacting with the Common PKI, define lo mandating local organisation to do certificate management in compli SDM - Standardisation and Regulation support to CP1 deployment 2 Url: | | | | |

| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 Url : https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | |
|-------------------------|--|---|------------------------------------|--|
| Finalisation criteria: | 1 - PKI has been audited | | | |
| | | From: | Ву: | |
| INF10.2-NM03 | Adapt systems to use PKI | Applicability Area 1: 01/01/2021 | Applicability Area 1 31/12/2025 | |
| Action by: | NM | | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common Adapt the systems (equipment and procedures) to use EACP so In case own PKI is used, interacting with the Common PKI, ada certificates and EACP services. | olution. | cedures) to use local | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deploym | nent 2021, Deliverable D1.1.1 07 | ·/2021 | |
| (-). | Url: https://www.sesardeploymentmanager.eu/publications/dep | loyment-programme | | |
| Finalisation criteria: | 1 - System using PKI has been adapted | | | |
| | | From: | By: | |
| INF10.2-NM04 | Implement local PKI | Applicability Area 1: 01/01/2021 | Applicability Area 1 31/12/2025 | |
| Action by: | NM | | | |
| Description & purpose: | ONLY In case own PKI is used, interacting with the Common PKI, implement its own local PKI while benefiting from the interoperability with other PKIs by using the EACP services. | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 | | | |
| | Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | |
| Finalisation criteria: | 1 - System(s) is (are) upgraded | | | |
| | , , , , , , | From: | Ву: | |
| INF10.2-NM05 | Training | Applicability Area 1: 01/01/2021 | Applicability Area 1 31/12/2025 | |
| Action by: | NM | ' | | |
| Description & purpose: | | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deploym | nent 2021. Deliverable D1.1.1 07 | ·/2021 | |
| Capporting material(3). | Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | |
| Finalisation criteria: | 1 - Staff has been certified | | | |
| | | From: | By: | |
| INF10.2-NM06 | Implement cyber monitoring and control | Applicability Area 1: 01/01/2021 | Applicability Area 1 31/12/2025 | |
| Action by: | NM | | | |
| Description & purpose: | SLoA relevant for BOTH implementation options, using common PKI/EACP or own PKI. | | | |
| | Implement monitoring and control to protect the IT systems against cyber-attacks | | | |
| Supporting material(s): | SDM - Standardisation and Regulation support to CP1 deployment 2021, Deliverable D1.1.1 07/2021 | | | |
| | Url: https://www.sesardeploymentmanager.eu/publications/deployment-programme | | | |

1 - Cyber monitoring and control systems implemented.

Stakeholders' SWIM PKI and cyber security

Finalisation criteria:

INF10.2