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|--|---|
| <b>Deployment Scenario Title</b>       | Sector team operations - en-route air traffic organiser |
| <b>Deployment Scenario Description</b> | -   |
| <b>Essential Operational Change</b>    | Fully Dynamic and Optimised Airspace                    |
| <b>Maturity</b>                        | Additional SESAR Solutions in deployment                |
























| Applicable Operating Environment |                   |          |         |
|----------------------------------|-------------------|----------|---------|
| Airport                          | Terminal Airspace | En-Route | Network |
|                                  |                   |          |         |

| Timeline |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2014     | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 |

| Performance Contribution of the DS |        |             |                 |                        |
|------------------------------------|--------|-------------|-----------------|------------------------|
| Capacity                           | Safety | Environment | Cost-efficiency | Operational efficiency |
|                                    |        |             |                 |                        |

| Stakeholders affected (at least one enabler to be deployed) |                    |       |          |       |          |                 |
|---|--------------------|-------|----------|-------|----------|-----------------|
| ANSP  |                    | AO    |          | AU    |          | Network Manager |
| Civil   | Military           | Civil | Military | Civil | Military |                 |
| TWR, APP, ENR, CNS  | TWR, APP, ENR, CNS |       |          |       |          |                 |

| SESAR Solutions |   |   |   |
|-----------------|---|---|---|
| Solution Code   | Solution Title  | Solution Description  | Related Elements  |
| #104            | Sector Team Operations - En-route Air Traffic Organiser | The En-route Air Traffic Organiser (ERATO) operational concept relies on an electronic... |      |

| Operational Improvement Steps |   |   |  |
|-------------------------------|---|---|--|
| OI Step Code                  | OI Step Title   | OI Step Description   | Related Elements   |
| CM-0201                       | Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue       | The system permits controllers to conduct screen to screen coordination between adjacent ATSUs /... |     <br>   |
| CM-0202                       | Automated Assistance to ATC Planning for Preventing Conflicts in En-Route Airspace        | The system assists the controller in conflict identification and planning tasks by providing...     |       |
| CM-0203                       | Automated Flight Conformance Monitoring   | The systems provides the controller with warnings if aircraft deviate from a clearance or plan,...  |       |
| CM-0205                       | Advanced support for Conflict Detection and Resolution by Tactical Controller in En Route | The system provides real-time assistance to the En route Tactical controllers in conflict...        |     <br>  |

| Enablers              |                   |                 |                 |  |  |                     |
|-----------------------|-------------------|-----------------|-----------------|--|--|---------------------|
| Required/<br>Optional | New/<br>Inherited | Develop/<br>Use | Enabler<br>Code | Enabler Title  | Enabler Description  | Related Elements    |
| 🔒                     |                   |                 | CTE-S01a        | SSR Mode A/C/S   | Independent Cooperative Surveillance using Secondary Surveillance Radar, including mode A/C and ...  | STK OI EN DS ⚙️     |
| 🔒                     |                   |                 | CTE-S03         | ADS-B Receiving Station  | ADS-B Receiving station for the provision of NRA, RAD and APT surveillance including Satellite...    | STK OI EN DS ⚙️     |
| 🔒                     |                   |                 | CTE-S03a        | ADS-B station for NRA surveillance   | ADS-B station for provision of Non Radar Airspace Surveillance, compliant with EUROCAE ED-129...     | STK OI EN DS ⚙️     |
| 🔒                     |                   |                 | CTE-S04         | Multilateration ground System  | Multilateration Ground system for the provision of En-route, TMA and Airport surveillance,...        | STK OI DS ⚙️        |
| 🔒                     |                   |                 | CTE-S04a        | Wide Area Multilateration (WAM)  | Wide Area Multilateration technology for the provision of independent cooperative surveillance in... | STK OI EN DS ⚙️     |
| 🔒                     |                   |                 | CTE-S04b        | Airport Multilateration (MLAT)   | Multilateration technology for the provision of independent cooperative surveillance in Airports.    | STK OI EN OBJ DS ⚙️ |
| 🔒                     |                   |                 | ER APP ATC 129  | Upgrade FDP and provide Controller Tools to provide assistance to ATC Planning for Preventing Conflicts in En-Route Airspace | -  | STK OI EN DS PCP    |
| 🔒                     |                   |                 | ER APP ATC 130  | Upgrade FDP and provide Controller Tools to provide Controller with warnings if aircraft deviate from a clearance or plan    | -  | OI EN DS            |
| 🔒                     |                   |                 | ER ATC 157      | Enhanced ATC System Support to the Tactical Controller for Conflict Detection and Resolution in En-Route                     | Conflict Management is updated to integrate conflicts derived from multiple trajectory types in...   | STK OI EN DS        |
| 🔒                     |                   |                 | PRO-046b        | ATC Procedures for Using Advanced System Assistance to Medium Term Conflict Detection and Resolution                         | -  | OI DS               |
| 🔒                     |                   |                 | PRO-048         | ATC Procedures to implement screen to screen coordination for transfer of control conditions                                 | ATC Procedures-screen to screen  | OI DS               |
| ➔                     |                   |                 | ER APP ATC 82   | Enhance EN/APP ACC to use eFPL data  | Modification of the EN APP ATC functions in order to use eFPL data for the trajectory prediction.    | STK OI EN DS        |