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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Information | **Date** | 17 February 2020 |
| **Thread** | AMET: Meteorological information |
| **Element Implementation Status** |
| **AMET-B0/1:** Meteorological observations products | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B0/2:** Meteorological forecast and warning products | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B0/3:** AMET-B0/3 Climatological and historical meteorological products | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B0/4:** Dissemination of meteorological products | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B1/1:** Meteorological observations information | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B1/2:** Meteorological forecast and warning information | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B1/3:** Climatological and historical meteorological information | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **AMET-B1/4:** Dissemination of meteorological information | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Information | **Date** | 17 February 2020 |
| **Thread** | DAIM: Digital Aeronautical Information Management |
| **Element Implementation Status** |
| **DAIM-B0:** No B0 element. |
| **DAIM-B1/1:** Provision of quality-assured aeronautical data and information | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **DAIM-B1/2:** Provision of digital Aeronautical Information Publication (AIP) data sets | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **DAIM-B1/3:** Provision of digital terrain data sets | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **DAIM-B1/4:** Provision of digital obstacle data sets | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **DAIM-B1/5:** Provision of digital aerodrome mapping data sets | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **DAIM-B1/6:** Provision of digital instrument flight procedure data sets | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **DAIM-B1/7:** NOTAM improvements | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Information | **Date** | 17 February 2020 |
| **Thread** | FICE: Flight and Flow Information for a Collaborative Environment (FF-ICE) |
| **Element Implementation Status** |
| **FICE-B0/1:** Automated basic inter facility data exchange (AIDC) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **FICE-B1:** No B1 element. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Information | **Date** | 17 February 2020 |
| **Thread** | SWIM: System Wide Information Management |
| **Element Implementation Status** |
| **SWIM-B0:** No B0 element. |
| **SWIM-B1:** No B1 element. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-Aerodrome | **Date** | 17 February 2020 |
| **Thread** | ACDM: Airport Collaborative Decision Making |
| **Element Implementation Status** |
| [**ACDM-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=64)**:** [Airport CDM Information Sharing (ACIS)](https://www4.icao.int/ganpportal/ASBU?IDs=64) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**ACDM-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=65)**:** [Integration with ATM Network function](https://www4.icao.int/ganpportal/ASBU?IDs=65) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **ACDM-B1:** No B1 element. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-Aerodrome | **Date** | 17 February 2020 |
| **Thread** | APTA: Improved arrival and departure operations |
| **Element Implementation Status** |
| [**APTA-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=2)**:** [PBN Approaches (with basic capabilities)](https://www4.icao.int/ganpportal/ASBU?IDs=2) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=3)**:** [PBN SID and STAR procedures (with basic capabilities)](https://www4.icao.int/ganpportal/ASBU?IDs=3) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=4)**:** [SBAS/GBAS CAT I precision approach procedures](https://www4.icao.int/ganpportal/ASBU?IDs=4) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/4**](https://www4.icao.int/ganpportal/ASBU?IDs=7): [CDO (Basic)](https://www4.icao.int/ganpportal/ASBU?IDs=7) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/5**](https://www4.icao.int/ganpportal/ASBU?IDs=256)**:** [CCO (Basic)](https://www4.icao.int/ganpportal/ASBU?IDs=256) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/6**](https://www4.icao.int/ganpportal/ASBU?IDs=6)**:** [PBN Helicopter Point in Space (PinS) Operations](https://www4.icao.int/ganpportal/ASBU?IDs=6) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/7**](https://www4.icao.int/ganpportal/ASBU?IDs=8)**:** [Performance based aerodrome operating minima – Advanced aircraft](https://www4.icao.int/ganpportal/ASBU?IDs=8) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B0/8**](https://www4.icao.int/ganpportal/ASBU?IDs=257)**:** [Performance based aerodrome operating minima – Basic aircraft](https://www4.icao.int/ganpportal/ASBU?IDs=257) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=9)**:** [PBN Approaches (with advanced capabilities)](https://www4.icao.int/ganpportal/ASBU?IDs=9) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=10)**:** [PBN SID and STAR procedures (with advanced capabilities)](https://www4.icao.int/ganpportal/ASBU?IDs=10) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| APTA-B1/3 – missing from the GANP/ASBU portal. |
| [**APTA-B1/4**](https://www4.icao.int/ganpportal/ASBU?IDs=12)**:** [CDO (Advanced)](https://www4.icao.int/ganpportal/ASBU?IDs=12) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**APTA-B1/5**](https://www4.icao.int/ganpportal/ASBU?IDs=13)**:** [CCO (Advanced)](https://www4.icao.int/ganpportal/ASBU?IDs=13) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-Aerodrome | **Date** | 17 February 2020 |
| **Thread** | DATS: Digital Aerodrome Air Traffic Services |
| **Element Implementation Status** |
| **DATS-B0:** No B0 element. |
| [**DATS-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=25)**:** [Remotely Operated Aerodrome Air Traffic Services](https://www4.icao.int/ganpportal/ASBU?IDs=25) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-Aerodrome | **Date** | 17 February 2020 |
| **Thread** | RSEQ: Improved traffic flow through runway sequencing |
| **Element Implementation Status** |
| [**RSEQ-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=68)**:** [Arrival Management](https://www4.icao.int/ganpportal/ASBU?IDs=68) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**RSEQ-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=69)**:** [Departure Management](https://www4.icao.int/ganpportal/ASBU?IDs=69) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**RSEQ-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=160)**:** [Point merge](https://www4.icao.int/ganpportal/ASBU?IDs=160) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**RSEQ-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=70)**:** [Extended arrival metering](https://www4.icao.int/ganpportal/ASBU?IDs=70) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-Aerodrome | **Date** | 17 February 2020 |
| **Thread** | SURF: Surface operations |
| **Element Implementation Status** |
| [**SURF-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=46)**:** [Basic ATCO tools to manage traffic during ground operations](https://www4.icao.int/ganpportal/ASBU?IDs=46) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=71)**:** [Comprehensive situational awareness of surface operations](https://www4.icao.int/ganpportal/ASBU?IDs=71) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=72)**:** [Initial ATCO alerting service for surface operations](https://www4.icao.int/ganpportal/ASBU?IDs=72) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=74)**:** [Advanced features using visual aids to support traffic management during ground operations](https://www4.icao.int/ganpportal/ASBU?IDs=74) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=73)**:** [Comprehensive pilot situational awareness on the airport surface](https://www4.icao.int/ganpportal/ASBU?IDs=73) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B1/3**](https://www4.icao.int/ganpportal/ASBU?IDs=76)**:** [Enhanced ATCO alerting service for surface operations](https://www4.icao.int/ganpportal/ASBU?IDs=76) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B1/4**](https://www4.icao.int/ganpportal/ASBU?IDs=77)**:** [Routing service to support ATCO surface operations management](https://www4.icao.int/ganpportal/ASBU?IDs=77) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SURF-B1/5**](https://www4.icao.int/ganpportal/ASBU?IDs=78)**:** [Enhanced vision systems for taxi operations](https://www4.icao.int/ganpportal/ASBU?IDs=78) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-Aerodrome | **Date** | 17 February 2020 |
| **Thread** | WAKE: Wake Turbulence Separation |
| **Element Implementation Status** |
| **WAKE-B0:** No B0 element. |
| **WAKE-B1:** No B1 element. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | ACAS: Airborne Collision Avoidance System |
| **Element Implementation Status** |
| **ACAS-B0:** No B0 element. |
| **[ACAS-B1/1](https://www4.icao.int/ganpportal/ASBU?IDs=96):** [ACAS Improvements](https://www4.icao.int/ganpportal/ASBU?IDs=96) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | CSEP: Cooperative Separation |
| **Element Implementation Status** |
| **CSEP-B0:** No B0 element. |
| [**CSEP-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=80)**:** [Basic airborne situational awareness during flight operations (AIRB)](https://www4.icao.int/ganpportal/ASBU?IDs=80) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**CSEP-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=81)**:** [Visual Separation on Approach (VSA)](https://www4.icao.int/ganpportal/ASBU?IDs=81) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**CSEP-B1/3**](https://www4.icao.int/ganpportal/ASBU?IDs=100)**:** [Performance Based Longitudinal Separation Minima](https://www4.icao.int/ganpportal/ASBU?IDs=100) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**CSEP-B1/4**](https://www4.icao.int/ganpportal/ASBU?IDs=101)**:** [Performance Based Lateral Separation Minima](https://www4.icao.int/ganpportal/ASBU?IDs=101) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | FRTO: Improved operations through enhanced en-route trajectories |
| **Element Implementation Status** |
| [**FRTO-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=83)**:** [Direct routing (DCT)](https://www4.icao.int/ganpportal/ASBU?IDs=83) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=84)**:** [Airspace planning and Flexible Use of Airspace (FUA)](https://www4.icao.int/ganpportal/ASBU?IDs=84) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=85)**:** [Pre-validated and coordinated ATS routes to support flight and flow](https://www4.icao.int/ganpportal/ASBU?IDs=85) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B0/4**](https://www4.icao.int/ganpportal/ASBU?IDs=260)**:** [Basic conflict detection and conformance monitoring](https://www4.icao.int/ganpportal/ASBU?IDs=260) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=86)**:** [Free Route Airspace (FRA)](https://www4.icao.int/ganpportal/ASBU?IDs=86) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=87)**:** [Required Navigation Performance (RNP) routes](https://www4.icao.int/ganpportal/ASBU?IDs=87) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/3**](https://www4.icao.int/ganpportal/ASBU?IDs=88)**:** [Advanced Flexible Use of Airspace (FUA) and management of real time airspace data](https://www4.icao.int/ganpportal/ASBU?IDs=88) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/4**](https://www4.icao.int/ganpportal/ASBU?IDs=89)**:** [Dynamic sectorization](https://www4.icao.int/ganpportal/ASBU?IDs=89) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/5**](https://www4.icao.int/ganpportal/ASBU?IDs=261)**:** [Enhanced Conflict Detection Tools and Conformance Monitoring](https://www4.icao.int/ganpportal/ASBU?IDs=261) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/6**](https://www4.icao.int/ganpportal/ASBU?IDs=262)**:** [Multi-Sector Planning](https://www4.icao.int/ganpportal/ASBU?IDs=262) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**FRTO-B1/7**](https://www4.icao.int/ganpportal/ASBU?IDs=284)**:** [Trajectory Options Set (TOS)](https://www4.icao.int/ganpportal/ASBU?IDs=284) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | GADS: Global Aeronautical Distress and Safety System (GADSS) |
| **Element Implementation Status** |
| **GADS-B0:** No B0 element. |
| [**GADS-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=263)**:** [Aircraft Tracking](https://www4.icao.int/ganpportal/ASBU?IDs=263) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**GADS-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=264): [Operational Control Directory](https://www4.icao.int/ganpportal/ASBU?IDs=264) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | NOPS: Network Operations |
| **Element Implementation Status** |
| [**NOPS-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=26)**:** [Initial integration of collaborative airspace management with air traffic flow management](https://www4.icao.int/ganpportal/ASBU?IDs=26) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=27)**:** [Collaborative Network Flight Updates](https://www4.icao.int/ganpportal/ASBU?IDs=27) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=28)**:** [Network Operation Planning basic features](https://www4.icao.int/ganpportal/ASBU?IDs=28) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B0/4**](https://www4.icao.int/ganpportal/ASBU?IDs=29)**:** [Initial Airport/ATFM slots and A-CDM Network Interface](https://www4.icao.int/ganpportal/ASBU?IDs=29) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B0/5**](https://www4.icao.int/ganpportal/ASBU?IDs=272)**:** [Dynamic ATFM slot allocation](https://www4.icao.int/ganpportal/ASBU?IDs=272) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=30)**:** [Short Term ATFM measures](https://www4.icao.int/ganpportal/ASBU?IDs=30) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=31)**:** [Enhanced Network Operations Planning](https://www4.icao.int/ganpportal/ASBU?IDs=31) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/3**](https://www4.icao.int/ganpportal/ASBU?IDs=32)**:** [Enhanced integration of Airport operations planning with network operations planning](https://www4.icao.int/ganpportal/ASBU?IDs=32) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/4**](https://www4.icao.int/ganpportal/ASBU?IDs=33)**:** [Dynamic Traffic Complexity Management](https://www4.icao.int/ganpportal/ASBU?IDs=33) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/5**](https://www4.icao.int/ganpportal/ASBU?IDs=34)**:** [Full integration of airspace management with air traffic flow management](https://www4.icao.int/ganpportal/ASBU?IDs=34) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/6**](https://www4.icao.int/ganpportal/ASBU?IDs=35)**:** [Initial Dynamic Airspace configurations](https://www4.icao.int/ganpportal/ASBU?IDs=35) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/7**](https://www4.icao.int/ganpportal/ASBU?IDs=36)**:** [Enhanced ATFM slot swapping](https://www4.icao.int/ganpportal/ASBU?IDs=36) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/8**](https://www4.icao.int/ganpportal/ASBU?IDs=37)**:** [Extended Arrival Management supported by the ATM Network function](https://www4.icao.int/ganpportal/ASBU?IDs=37) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/9**](https://www4.icao.int/ganpportal/ASBU?IDs=38)**:** [Target Times for ATFM purposes](https://www4.icao.int/ganpportal/ASBU?IDs=38) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NOPS-B1/10**](https://www4.icao.int/ganpportal/ASBU?IDs=271)**:** [Collaborative Trajectory Options Program (CTOP)](https://www4.icao.int/ganpportal/ASBU?IDs=271) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | OPFL: Improved access to optimum flight levels in oceanic and remote airspace |
| **Element Implementation Status** |
| [**OPFL-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=98)**:** [In Trail Procedure (ITP)](https://www4.icao.int/ganpportal/ASBU?IDs=98) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**OPFL-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=99)**:** [Climb and Descend Procedure (CDP)](https://www4.icao.int/ganpportal/ASBU?IDs=99) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | SNET: Ground-based Safety Nets |
| **Element Implementation Status** |
| [**SNET-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=90)**:** [Short Term Conflict Alert (STCA)](https://www4.icao.int/ganpportal/ASBU?IDs=90) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SNET-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=91)**:** [Minimum Safe Altitude Warning (MSAW)](https://www4.icao.int/ganpportal/ASBU?IDs=91) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SNET-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=92): [Area Proximity Warning (APW)](https://www4.icao.int/ganpportal/ASBU?IDs=92) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SNET-B0/4**](https://www4.icao.int/ganpportal/ASBU?IDs=93)**:** [Approach Path Monitoring (APM)](https://www4.icao.int/ganpportal/ASBU?IDs=93) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SNET-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=94)**:** [Enhanced STCA with aircraft parameters](https://www4.icao.int/ganpportal/ASBU?IDs=94) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**SNET-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=95)**:** [Enhanced STCA in complex TMAs](https://www4.icao.int/ganpportal/ASBU?IDs=95) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Operation-System | **Date** | 17 February 2020 |
| **Thread** | TBO: Trajectory-based operations |
| **Element Implementation Status** |
| [**TBO-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=112)**:** [Introduction of time-based management within a flow centric approach.](https://www4.icao.int/ganpportal/ASBU?IDs=112) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**TBO-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=113)**:** [Initial Integration of time-based decision making processes](https://www4.icao.int/ganpportal/ASBU?IDs=113) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Technology | **Date** | 17 February 2020 |
| **Thread** | ASUR: Surveillance systems |
| **Element Implementation Status** |
| [**ASUR-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=102)**:** [Automatic Dependent Surveillance – Broadcast (ADS-B)](https://www4.icao.int/ganpportal/ASBU?IDs=102) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**ASUR-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=103)**:** [Multilateration cooperative surveillance systems (MLAT)](https://www4.icao.int/ganpportal/ASBU?IDs=103) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**ASUR-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=104)**:** [Cooperative Surveillance Radar Downlink of Aircraft Parameters (SSR-DAPS)](https://www4.icao.int/ganpportal/ASBU?IDs=104) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**ASUR-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=106)**:** [Reception of aircraft ADS-B signals from space (SB ADS-B)](https://www4.icao.int/ganpportal/ASBU?IDs=106) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Technology | **Date** | 17 February 2020 |
| **Thread** | COMI: Communication infrastructure |
| **Element Implementation Status** |
| [**COMI-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=202)**:** [Aircraft Communication Addressing and Reporting System (ACARS)](https://www4.icao.int/ganpportal/ASBU?IDs=202) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=203)**:** [Aeronautical Telecommunication Network/Open System Interconnection (ATN/OSI)](https://www4.icao.int/ganpportal/ASBU?IDs=203) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=204)**:** [VHF Data Link (VDL) Mode 0/A](https://www4.icao.int/ganpportal/ASBU?IDs=204) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B0/4**](https://www4.icao.int/ganpportal/ASBU?IDs=205)**:** [VHF Data Link (VDL) Mode 2 Basic](https://www4.icao.int/ganpportal/ASBU?IDs=205) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B0/5**](https://www4.icao.int/ganpportal/ASBU?IDs=206)**:** [Satellite communications (SATCOM) Class C Data](https://www4.icao.int/ganpportal/ASBU?IDs=206) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B0/6**](https://www4.icao.int/ganpportal/ASBU?IDs=207)**:** [High Frequency Data Link (HFDL)](https://www4.icao.int/ganpportal/ASBU?IDs=207) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B0/7**](https://www4.icao.int/ganpportal/ASBU?IDs=208)**:** [ATS Message Handling System (AMHS)](https://www4.icao.int/ganpportal/ASBU?IDs=208) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=211)**:** [Ground-Ground Aeronautical Telecommunication Network/Internet Protocol Suite (ATN/IPS)](https://www4.icao.int/ganpportal/ASBU?IDs=211) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=209)**:** [VHF Data Link (VDL) Mode 2 Multi-Frequency](https://www4.icao.int/ganpportal/ASBU?IDs=209) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B1/3**](https://www4.icao.int/ganpportal/ASBU?IDs=210)**:** [SATCOM Class B Voice and Data](https://www4.icao.int/ganpportal/ASBU?IDs=210) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMI-B1/4**](https://www4.icao.int/ganpportal/ASBU?IDs=218)**:** [Aeronautical Mobile Airport Communication System (AeroMACS) Ground-Ground](https://www4.icao.int/ganpportal/ASBU?IDs=218) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Technology | **Date** | 17 February 2020 |
| **Thread** | COMS: ATS Communication service |
| **Element Implementation Status** |
| [**COMS-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=228)**:** [CPDLC (FANS 1/A & ATN B1) for domestic and procedural airspace](https://www4.icao.int/ganpportal/ASBU?IDs=228) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMS-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=229)**:** [ADS-C (FANS 1/A) for procedural airspace](https://www4.icao.int/ganpportal/ASBU?IDs=229) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMS-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=230)**:** [PBCS approved CPDLC (FANS 1/A+) for domestic and procedural airspace](https://www4.icao.int/ganpportal/ASBU?IDs=230) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMS-B1/2**](https://www4.icao.int/ganpportal/ASBU?IDs=231)**:** [PBCS approved ADS-C (FANS 1/A+) for procedural airspace](https://www4.icao.int/ganpportal/ASBU?IDs=231) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**COMS-B1/3**](https://www4.icao.int/ganpportal/ASBU?IDs=232)**:** [SATVOICE (incl. routine communications) for procedural airspace](https://www4.icao.int/ganpportal/ASBU?IDs=232) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |

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| **[State] ASBU Air Navigation Reporting Form (ANRF)** |
| **Group** | Technology | **Date** | 17 February 2020 |
| **Thread** | NAVS: Navigation systems |
| **Element Implementation Status** |
| [**NAVS-B0/1**](https://www4.icao.int/ganpportal/ASBU?IDs=108)**:** [Ground Based Augmentation Systems (GBAS)](https://www4.icao.int/ganpportal/ASBU?IDs=108) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NAVS-B0/2**](https://www4.icao.int/ganpportal/ASBU?IDs=107)**:** [Satellite Based Augmentation Systems (SBAS)](https://www4.icao.int/ganpportal/ASBU?IDs=107) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NAVS-B0/3**](https://www4.icao.int/ganpportal/ASBU?IDs=109)**:** [Aircraft Based Augmentation Systems (ABAS)](https://www4.icao.int/ganpportal/ASBU?IDs=109) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NAVS-B0/4**](https://www4.icao.int/ganpportal/ASBU?IDs=110)**:** [Navigation Minimal Operating Networks (Nav. MON)](https://www4.icao.int/ganpportal/ASBU?IDs=110) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| [**NAVS-B1/1**](https://www4.icao.int/ganpportal/ASBU?IDs=277)**:** [Extended GBAS](https://www4.icao.int/ganpportal/ASBU?IDs=277) | **Date Planned/Implemented**Enter date | **Status**Enter status |
| **Status Details:** *Include the POC information and date of the description. Keep old status and add new status.*Describe status. |
| **Achieved Benefits** such as*(1)**Access and Equity; (2) Capacity; (3) Efficiency; (4) Environment; and (5) Safety. Provide KPI data.* If possible describe benefits or leave it blank. |
| **Implementation Challenges** such as*(1) Ground system; (2) Avionics; (3) Procedures Availability; and (4) Operational Approvals* If possible describe benefits or leave it blank. |
| **Notes** If possible provide notes. |