

Appendix A : Status of implementation of ASBU applicable elements in CNS, AIM and MET areas

Tableau 1 Status of implementation of ASBU applicable elements in CNS

Element	Title	Applicability	Performance Indicators	Status of Implementation	Performance Indicators/Date
ACAS					
ACAS B1/1	ACAS Improvements Operational	AFI States	Indicator: % of States requiring carriage of ACAS (TCAS v 7.1) for aircraft with a max certificated take-off mass greater than 5.7 tons Supporting metric: Number of States requiring carriage of ACAS (TCAS v 7.1) for aircraft with a max certificated takeoff mass greater than 5.7 tons	80%	Dec 2022
COMI					
COMI B0/7	ATS Message Handling System (AMHS)	AFI States	Indicator: % of States that have implemented AMHS Supporting metric: Number of States that have implemented AMHS	55%	Dec 2022
COMI B1/1	Ground-Ground Aeronautical Telecommunication Network/Internet Protocol Suite (ATN/IPS)	AFI States	Indicator: % of States that have established National IP Network for voice and data communication Supporting metric: Number of States that have established National IP Network for voice and data communication	35%	Dec 2022
COMS					

Element	Title	Applicability	Performance Indicators	Status of Implementation	Performance Indicators/Date
COMS B0/1	Controller Pilot Data Link Communication (CPDLC – FANS1/A)	AFI States	Indicator*: % of States that have implemented CPDLC Supporting metric: Number of States that have implemented CPDLC	70%	Dec 2022
			*As per the applicability area		
COMS B0/2	Automatic Dependent Surveillance – Contract (ADSC/FANS 1/A)	AFI States	Indicator*: % of States that have implemented ADS-C Supporting metric: Number of States that have implemented ADS-C *As per the applicability area	70%	Dec 2022
NAV					
NAVS B0/2	Satellite-Based Augmentation System (SBAS)	AFI States	Indicator*: % of States that have implemented SBAS capabilities Supporting metric: Number of States that have implemented SBAS capabilities *As per the applicability area	40%	Dec 2022
ASUR					

Element	Title	Applicability	Performance Indicators	Status of Implementation	Performance Indicators/Date
ASUR B0/1	Automatic Dependent Surveillance – Broadcast (ADSB)	AFI States	Indicator: % of States that have implemented ADS-B surveillance coverage/capabilities Supporting metric: Number of States that have implemented ADS-B to improve surveillance coverage/capabilities	30%	Dec 2022
ASUR B0/2	Multilateration cooperative surveillance systems (MLAT)	AFI States	Indicator*: % of States that have implemented Multilateration (M-LAT) Supporting metric: Number of States that have implemented Multi-lateration (M-LAT) *As per the applicability area	4%	Dec 2022
FICE					
FICE B0/1	ATS Inter Facility Data Communication (AIDC)	AFI States	Indicator: % of AIDC Interconnection have been implemented Supporting metric: Number of AIDC interconnections implemented between adjacent ACCs	7%	Dec 2022

Tableau 2 Status of implementation of ASBU applicable elements in AIM, ESAF and WACAF States

ASBU element	Title	Performance indicators	Status of implementation
DAIM			
DAIM B1/1	Provision of quality-assured aeronautical data and information	<p><i>Indicator:</i> % of quality-assured aeronautical data and information provision by States</p> <p><i>Supporting metrics:</i></p> <ul style="list-style-type: none"> - Number of States with QMS implemented - Number of States with Formal arrangements between AIS and data sources - Number of States with full AIRAC compliance - Number of States with full WGS-84 compliance 	48%
DAIM B1/2	Provision of digital Aeronautical Information Publication (AIP) data sets	<p><i>Indicator:</i> % of digital Aeronautical Information Publication (AIP) data sets provision by States</p> <p><i>Supporting metrics:</i></p> <ul style="list-style-type: none"> - Number of States with AIXM database implemented - Number of States with eAIP implemented - Number of States providing AIP data sets 	27%
DAIM B1/3	Provision of digital terrain data sets	<p><i>Indicator:</i> % of digital terrain data sets provision by States</p> <p><i>Supporting metrics:</i></p> <ul style="list-style-type: none"> - Number of States providing terrain data sets for Area 1 - Number of States providing terrain data sets for Area 2 - Number of States providing terrain data sets for Area 3 - Number of States providing terrain data sets for Area 4 	0.5%

ASBU element	Title	Performance indicators	Status of implementation
DAIM B1/4	Provision of digital obstacle data sets	<p><i>Indicator:</i> % of digital obstacle data sets provision by States</p> <p><i>Supporting metrics:</i></p> <ul style="list-style-type: none"> - Number of States providing obstacle data sets for Area 1 - Number of States providing obstacle data sets for Area 2 - Number of States providing obstacle data sets for Area 3 - Number of States providing obstacle data sets for Area 4 	0.5%
DAIM B1/5	Provision of digital aerodrome mapping data sets	<p><i>Indicator:</i> % of digital aerodrome mapping data sets provision by States</p> <p><i>Supporting metrics:</i> Number of States providing aerodrome mapping data sets</p>	0%
DAIM B1/6	Provision of digital instrument flight procedure data sets	<p><i>Indicator:</i> % of digital instrument flight procedure data sets provision by States</p> <p><i>Supporting metrics:</i> Number of States providing instrument flight procedure data sets</p>	0%
DAIM B1/7	NOTAM improvements	<p><i>Indicator:</i> % of NOTAM improvements by States</p> <p><i>Supporting metrics:</i> Number of States providing NOTAM of required quality</p>	50%

Tableau 3 Status of implementation of ASBU applicable elements in MET, ESAF region

ASBU element	Title	Performance indicators	Status of Implementation, Dec. 2022
MET			
AMET-B0/1	Meteorological observations products	<i>Indicator:</i> % of implementation of AMET-B0/1 <i>Supporting metrics:</i> Number of States implementing AMET-B0/1	
AMET-B0/2	Meteorological forecast and warning products	<i>Indicator:</i> % of implementation of AMET-B0/2 <i>Supporting metrics:</i> Number of States implementing AMET-B0/2	
AMET-B0/3	Climatological and historical meteorological products	<i>Indicator:</i> % of implementation of AMET-B0/3 <i>Supporting metrics:</i> Number of States implementing AMET-B0/3	
AMET-B0/4	Dissemination of meteorological products	<i>Indicator:</i> % of implementation of AMET-B0/4 <i>Supporting metrics:</i> Number of States implementing AMET-B0/4	
AMET-B1/1	Meteorological observations information	<i>Indicator:</i> % of implementation of AMET-B1/1 <i>Supporting metrics:</i> Number of States implementing AMET-B1/1	
AMET-B1/2	Meteorological Forecast and Warning Information	<i>Indicator:</i> % of implementation of AMET-B1/2 <i>Supporting metrics:</i> Number of States implementing AMET-B1/2	
AMET-B1/3	Climatological and historical meteorological information	<i>Indicator:</i> % of implementation of AMET-B1/3 <i>Supporting metrics:</i> Number of States implementing AMET-B1/3	
AMET-B1/4	Dissemination of Meteorological Information	<i>Indicator:</i> % of implementation of AMET-B1/4 <i>Supporting metrics:</i> Number of States implementing AMET-B1/4	

Tableau 4 Status of implementation of ASBU applicable elements in MET, WACAF region

ASBU element	Title	Performance indicators	Status of Implementation, Dec. 2022
MET			
AMET-B0/1	Meteorological observations products	<i>Indicator:</i> % of implementation of AMET-B0/1 <i>Supporting metrics:</i> Number of States implementing AMET-B0/1	61%
AMET-B0/2	Meteorological forecast and warning products	<i>Indicator:</i> % of implementation of AMET-B0/2 <i>Supporting metrics:</i> Number of States implementing AMET-B0/2	77%
AMET-B0/3	Climatological and historical meteorological products	<i>Indicator:</i> % of implementation of AMET-B0/3 <i>Supporting metrics:</i> Number of States implementing AMET-B0/3	69%
AMET-B0/4	Dissemination of meteorological products	<i>Indicator:</i> % of implementation of AMET-B0/4 <i>Supporting metrics:</i> Number of States implementing AMET-B0/4	60%
AMET-B1/1	Meteorological observations information	<i>Indicator:</i> % of implementation of AMET-B1/1 <i>Supporting metrics:</i> Number of States implementing AMET-B1/1	39%
AMET-B1/2	Meteorological Forecast and Warning Information	<i>Indicator:</i> % of implementation of AMET-B1/2 <i>Supporting metrics:</i> Number of States implementing AMET-B1/2	10%
AMET-B1/3	Climatological and historical meteorological information	<i>Indicator:</i> % of implementation of AMET-B1/3 <i>Supporting metrics:</i> Number of States implementing AMET-B1/3	8%
AMET-B1/4	Dissemination of Meteorological Information	<i>Indicator:</i> % of implementation of AMET-B1/4 <i>Supporting metrics:</i> Number of States implementing AMET-B1/4	37%