Progress In ESAF States

Progress in operational threads in ESAF

TABLE 7-Implementation status of Operational Thread in ESAF

ESAF REGION – A-CDM/ACAS/APTA/FRTO/SNET

IMPLEMENT | PARTIALLY | NOT IMPLEMENTED | UNKNOWN

THREAD ELEMENTS	Angola	Botswana	Burundi	Comoros	Djibouti	Eritrea	Eswatini	Ethiopia	Kenya	Lesotho	Madagascar	Malawi	Mauritius	Mozambique	Namibia	Rwanda	Seychelles	Somalia	South Africa	South Sudan	Uganda	United Rep. of Tanzania	Zambia	Zimbabwe	ESAF SCORE
A-CDM-Airport Collaborative Decision Making																									
A-CDM B0/1-Airport CDM information sharing (ACIS)	50%							50%	50%						50%	50%			50%		50%	50%	50%		18.75%
A-CDM SCORE PER STATE	50%							50%	50%						50%	50%			50%		50%	50%	50%		18.75%
ACAS - Airborne Collision Avoidance System (ACAS)																									
ACAS-B1/1- (ACAS Improvement)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
ACAS SCORE PER STATE	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**
FRTO - Improved operations through enhanced en-route trajectories																									

FRTO-B0/1- DCT	100%	100%	**0%**	**0%**	**0%**	100%	100%	100%	100%	**0%**	100%	100%	100%	100%	100%	100%	100%	**0%**	100%	**0%**	100%	100%	**0%**	100%	71%
FRTO-B0/2 (Airspace planning and Flexible Use of Airspace (FUA))	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	100%	100%	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	100%	100%	**0%**	**0%**	**0%**	**0%**	**0%**	17%
FRTO-B0/3 (Pre-validated and coordinated ATS routes to support flight and flow)	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	0%
FRTO-B0/4 (Basic conflict detection and conformance monitoring.)	**0%**	**0%**	**0%**	100%	**0%**	100%	**0%**	100%	100%	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	**0%**	**0%**	100%	**0%**	100%	100%	100%	**0%**	42%
FRTO-B1/1 (Free Route Airspace (FRA))	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	100%	100%	**0%**	100%	**0%**	100%	**0%**	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	25%
FRTO-B1/2 (Required Navigation Performance (RNP) routes)	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	100%	100%	**0%**	**0%**	**0%**	100%	100%	**0%**	**0%**	100%	**0%**	100%	**0%**	100%	100%	100%	**0%**	38%
FRTO SCORE PER STATE	17%	17%	0%	17%	0%	33%	17%	83%	83%	0%	50%	17%	67%	33%	17%	33%	33%	33%	67%	0%	50%	50%	33%	17%	**32%**
APTA - Improve arrival and departure operations																									
APTA-B0/1 (PBN Approaches (Basic))	50%	100%	**0%**	100%	100%	100%	**0%**	100%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	**0%**	81%
APTA-B0/2 (PBN SIDS and STAR procedures (Basic))	50%	100%	**0%**	100%	100%	100%	**0%**	100%	100%	100%	50%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	50%	**0%**	81%

APTA-B0/3 (SBAS/GBAS CAT I precision approach procedures)	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	0%
APTA-B0/4 CDO (Basic)	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	100%	100%	**0%**	**0%**	**0%**	100%	**0%**	**0%**	**0%**	**0%**	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	21%
APTA-B0/5 CCO (Basic)	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	100%	100%	**0%**	**0%**	**0%**	100%	**0%**	**0%**	**0%**	**0%**	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	21%
APTA SCORE PER STATE	20%	40%	0%	60%	60%	60%	0%	80%	80%	40%	20%	40%	80%	40%	40%	40%	40%	40%	80%	40%	80%	40%	20%	0%	**44%**
SNET - Ground-based Safety Nets																									
SNET-B0/1 STCA	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	100%	100%	**0%**	100%		100%	100%	100%	100%	100%	100%	100%	**0%**	100%	100%	100%	100%	**71%**
SNET-B0/2 MSAW	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	100%	100%	**0%**	100%		100%	100%	100%	100%	100%	100%	100%	**0%**	100%	100%	100%	100%	**71%**
SNET-B0/3 APW	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	100%	100%	**0%**	100%	**0%**	100%	100%	**0%**	**0%**	100%	100%	100%	**0%**	100%	100%	100%	100%	**58%**
SNET-B0/4 APM	**0%**	100%	**0%**	100%	**0%**	**0%**	**0%**	100%	100%	**0%**	100%	**0%**	100%	100%	**0%**	**0%**	100%	100%	100%	**0%**	100%	100%	100%	100%	**58%**
SNET SCORE PER STATE	0%	100%	0%	100%	0%	0%	0%	100%	100%	0%	100%	50%	100%	100%	50%	50%	100%	100%	100%	0%	100%	100%	100%	100%	**65%**

Progress in information threads in ESAF

TABLE 8-Implementation status of Information Thread in ESAF

ESAF REGION – AMET/DAIM

IMPLEMENT | PARTIALLY | NOT IMPLEMENTED | UNKNOWN

THREAD ELEMENTS	Angola	Botswana	Burundi	Comoros	Djibouti	Eritrea	Eswatini	Ethiopia	Kenya	Lesotho	Madagascar	Malawi	Mauritius	Mozambique	Namibia	Rwanda	Seychelles	Somalia	South Africa	South Sudan	Uganda	United Rep. of Tanzania	Zambia	Zimbabwe	ESAF SCORE
FICE – Flight and Flow Information for a Collaborative Environment (FF-ICE)																									
FICE B0/1-Automated basic inter facility data exchange (AIDC)	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	100%	0%	100%	100%	0%	0%	0%	100%	0%	0%	100%	0%	0%	29%
FICE SCORE PER STATE	0%	0%	0%	100%	0%	0%	0%	0%	0%	100%	0%	100%	0%	100%	100%	0%	0%	0%	100%	0%	0%	100%	0%	0%	**29%**

5.2.1 Progress in WACAF States

Progress in Operational Threads in WACAF

TABLE 13-Implementation status of Operational Thread in WACAF

WACAF REGION – A-CDM/ACAS/APTA/FRTO/SNET

IMPLEMENT | PARTIALLY | NOT IMPLEMENTED | UNKNOWN

THREAD ELEMENTS	Benin	Burkina Faso	Cameroon	Cabo Verde	Central African Republic	Chad	Congo	Cote d' Ivoire	DRC	Equatorial Guinea	Gabon	Gambia	Ghana	Guinea	Guinea Bissau	Liberia	Mali	Mauritania	Niger	Nigeria	Sao Tome & Principe	Senegal	Sierra Leone	Togo	WACAF SCORE
A-CDM-Airport Collaborative Decision Making																									
A-CDM B0/1-Airport CDM information sharing (ACIS)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	**0%**
A-CDM SCORE PER STATE	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**	**0%**
ACAS - Airborne Collision Avoidance System (ACAS)																									
ACAS-B1/1- (ACAS Improvement)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
ACAS SCORE PER STATE	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	**100%**
FRTO - Improved operations through enhanced en-route trajectories																									

FRTO-B0/1- DCT	100%	50%	100%	100%	0%	100%	100%	100%	100%	0%	50%	100%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	100%	100%	75%
FRTO-B0/2 (Airspace planning and Flexible Use of Airspace (FUA))	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	4%
FRTO-B0/3 (Pre-validated and coordinated ATS routes to support flight and flow)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
FRTO-B0/4 (Basic conflict detection and conformance monitoring.)	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	100%	100%	75%
FRTO-B1/1 (Free Route Airspace (FRA))	100%	100%	100%	0%	0%	100%	100%	100%	0%	0%	100%	0%	100%	0%	0%	0%	100%	100%	100%	100%	0%	100%	0%	100%	58%
FRTO-B1/2 (Required Navigation Performance (RNP) routes)	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	79%
FRTO SCORE PER STATE	60%	58%	60%	17%	50%	53%	60%	60%	60%	0%	58%	16%	60%	0%	50%	0%	60%	60%	60%	60%	00%	60%	30%	60%	**44%**
APTA - Improve arrival and departure operations																									
APTA-B0/1 (PBN Approaches (Basic))	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	96%
APTA-B0/2 (PBN SIDS and STAR procedures (Basic))	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	100%	96%

APTA-B0/3 (SBAS/GBAS CAT I precision approach procedures)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
APTA-B0/4 CDO (Basic)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	4%
APTA-B0/5 CCO (Basic)	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	4%
APTA SCORE PER STATE	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	40%	0%	80%	40%	40%	**42%**
SNET - Ground-based Safety Nets																										
SNET-B0/1 STCA	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	71%
SNET-B0/2 MSAW	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	71%
SNET-B0/3 APW	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	71%
SNET-B0/4 APM	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	71%
SNET SCORE PER STATE	100%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	0%	100%	0%	100%	100%	100%	100%	0%	100%	0%	100%	**71%**

Progress in Information Threads in WACAF

TABLE 14-Implementation status of Information Thread in WACAF

WACAF REGION – AMET/DAIM

IMPLEMENT | PARTIALLY | NOT IMPLEMENTED | UNKNOWN

THREAD ELEMENTS	Benin	Burkina Faso	Cameroon	Cabo Verde	Central African Republic	Chad	Congo	Cote d' Ivoire	DRC	Equatorial Guinea	Gabon	Gambia	Ghana	Guinea	Guinea Bissau	Liberia	Mali	Mauritania	Niger	Nigeria	Sao Tome &	Senegal	Sierra Leone	Togo	WACAF SCORE
AMET-Meteorological information																									
AMET-B0/1-Meteorological observations products	100%	100%	88%	90%	100%	100%	100%	100%	78%	86%	100%	0%	88%	100%	0%	13%	100%	100%	100%	100%	0%	100%	0%	100%	66 %
AMET-B0/2-Meteorological forecast and warning products	100%	100%	100%	100%	100%	100%	100%	100%	0%	100%	100%	0%	100%	100%	100%	0%	100%	100%	100%	100%	0%	100%	22%	100%	77 %
AMET-B0/3-Climatological and historical meteorological products	88%	88%	88%	63%	88%	88%	88%	88%	50%	88%	88%	43%	88%	125%	88%	28%	75%	63%	88%	75%	25%	88%	20%	88%	80 %
AMET-B0/4-Dissemination of meteorological products	100%	100%	88%	90%	100%	100%	100%	100%	78%	86%	100%	0%	88%	100%	0%	13%	100%	100%	100%	100%	0%	100%	0%	100%	75 %
AMET-B1/1-Meteorological observations information	84%	79%	78%	60%	76%	0%	81%	18%	0%	0%	82%	0%	0%	0%	0%	94%	52%	0%	77%	0%	0%	84%	79%	78%	39 %
AMET-B1/2-Meteorological forecast and warning information	10%	4%	4%	30%	0%	13%	0%	0%	0%	0%	13%	0%	0%	30%	0%	30%	5%	0%	38%	0%	0%	10%	4%	4%	10 %
AMET-B1/3-Climatological and historical meteorological information	0%	0%	0%	0%	67%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%	0%	0%	0%	0%	0%	0%	0%	8%
AMET-B1/4-Dissemination of meteorological information	40%	40%	40%	60%	60%	0%	60%	60%	0%	40%	60%	20%	20%	60%	60%	60%	60%	0%	60%	20%	60%	40%	40%	40%	42 %
AMET SCORE PER STATE	63%	59%	59%	61%	61%	66%	72%	21%	60%	57%	12%	46%	63%	33%	9%	55%	51%	69%	72%	3%	70%	8%	53%	63%	**50 %**

DAIM – Digital Aeronautical Information Management																										
DAIM-B1/1- Provision of quality-assured aeronautical data and information	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	100%	52 %
DAIM-B1/2- Provision of digital Aeronautical Information Publication (AIP) data sets	50%	50%	50%	50%	50%	50%	50%	50%	0%	50%	50%	0%	0%	0%	50%	0%	50%	50%	50%	0%	0%	50%	0%	50%	30 %
DAIM-B1/3- Provision of digital terrain data sets	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	2%
DAIM-B1/4- Provision of digital obstacle data sets	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	2%
DAIM-B1/5- Provision of digital aerodrome mapping data sets	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	2%
DAIM-B1/6- Provision of digital instrument flight procedure data sets	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	50%	2%
DAIM-B1/7- NOTAM improvements	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50 %
DAIM SCORE PER STATE	21%	21%	21%	21%	21%	21%	21%	21%	14%	21%	21%	14%	14%	14%	21%	14%	21%	21%	21%	14%	14%	21%	14%	58%	**20 %**
FICE – Flight and Flow Information for a Collaborative Environment (FF-ICE)																									
FICE B0/1- Automated basic inter facility data exchange (AIDC)	0%	100%	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	100%	0%	0%	100%	0%	0%	30 %
FICE SCORE PER STATE	0%	100%	0%	100%	0%	0%	0%	100%	0%	0%	0%	0%	100%	0%	0%	0%	0%	100%	100%	0%	0%	100%	0%	0%	**30 %**