

Draft AFI Regional Air Navigation Performance Targets

1. Reduce ANS contribution to Accidents rates by X% by dd/mm/yy
2. Reduce ANS Incidents (AIRPROXEs) rates by X% by dd/mm/yy
3. Establishment and implementation of National ASBU Plan by dd/mm/yy by AFI States
4. Establishment and review of National PBN Plan by dd/mm/yy and expected implementation by dd/mm/yy.
5. Implement seamless ANS along air Traffic Flows (ARs) by dd/mm/yy (AFI single sky)
6. Integration of ANS supporting infrastructure/ systems by dd/mm/yy
7. Establishment of effective and operational SAR Organization by dd/mm/yy
- ~~8. Reduce CO2 emission by X% by dd/mm/yy~~
9. Harmonization of ANS operations and regulations by dd/mm/yy
10. Establishment and implementation of ANSPs SMS/QMS by dd/mm/yy
11. ANS Human Resource Capacity Building by dd/mm/yy

Table of AFI Regional Air Navigation Performance Targets

AFI ANS Performance Targets	Implementation Components		
	Immediate Phase (ASBU Block 0)	Medium Phase (ASBU Block 1&2)	Long Term Phase (ASBU Block 3)
1. Reduce ANS contribution to Accidents rates by X%	Improvements in safety and increase Capacity and Efficiency <ul style="list-style-type: none"> ▪ <i>Training of operational and technical personnel - Continuous</i> ▪ <i>Review and reorganization of airspace by dd/mm/yy</i> ▪ <i>Reduce lack of Communications and Coordination by X% per year</i> ▪ <i>Reduce accidents due to meteorological conditions to X% per year</i> ▪ <i>Improve surveillance coverage</i> ▪ <i>Deployment of ATM Safety Defences by dd/mm/yy</i> 	Improvements in safety and increase Capacity and Efficiency <ul style="list-style-type: none"> ▪ <i>Training of operational and technical personnel - Continuous</i> ▪ <i>Review and reorganization of airspace by dd/mm/yy</i> ▪ <i>Reduce lack of Communications and Coordination by X% per year</i> ▪ <i>Reduce accidents due to meteorological conditions to X% per year</i> ▪ <i>Improve surveillance coverage</i> ▪ <i>Deployment of ATM Safety Defences by dd/mm/yy</i> 	Improvements in safety and increase Capacity and Efficiency <ul style="list-style-type: none"> ▪ <i>Training of operational and technical personnel - Continuous</i> ▪ <i>Review and reorganization of airspace by dd/mm/yy</i> ▪ <i>Reduce lack of Communications and Coordination by X% per year</i> ▪ <i>Reduce accidents due to meteorological conditions to X% per year</i> ▪ <i>Improve surveillance coverage</i> ▪ <i>Deployment of ATM Safety Defences by dd/mm/yy</i>
2. Reduce ANS Incidents (AIRPROXEs) rates by X%	Improvements in safety and increase Capacity and Efficiency <ul style="list-style-type: none"> ▪ <i>Training of operational and technical personnel - Continuous</i> ▪ <i>Review and reorganization of airspace by dd/mm/yy</i> ▪ <i>Reduce lack of Communications and Coordination by X% per year</i> ▪ <i>Reduce incident due to meteorological conditions to X% per year</i> ▪ <i>Improve surveillance coverage</i> ▪ <i>Deployment of ATM Safety Defences by dd/mm/yy</i> ▪ <i>Implementation of AIAG/TAG Corrective Action Plans</i> 	Improvements in safety and increase Capacity and Efficiency <ul style="list-style-type: none"> ▪ <i>Training of operational and technical personnel -Continuous</i> ▪ <i>Review and reorganization of airspace by dd/mm/yy</i> ▪ <i>Reduce lack of Communications and Coordination by X% per year</i> ▪ <i>Reduce incident due to meteorological conditions to X% per year</i> ▪ <i>Improve surveillance coverage</i> ▪ <i>Deployment of ATM Safety Defences by dd/mm/yy</i> ▪ <i>Implementation of AIAG/TAG Corrective Action Plans</i> 	Improvements in safety and increase Capacity and Efficiency <ul style="list-style-type: none"> ▪ <i>Training of operational and technical personnel - Continuous</i> ▪ <i>Review and reorganization of airspace by dd/mm/yy</i> ▪ <i>Reduce lack of Communications and Coordination by X% per year</i> ▪ <i>Reduce incident due to meteorological conditions to X% per year</i> ▪ <i>Improve surveillance coverage</i> ▪ <i>Deployment of ATM Safety Defences by dd/mm/yy</i> ▪ <i>Implementation of AIAG/TAG Corrective Action Plans</i>
3. Establishment and implementation of National ASBU Plan by DD/MM/YY by AFI States	Development and implementation of ASBU/National ATM Master Plans <ul style="list-style-type: none"> ▪ <i>Publication of National ASBU implementation Plans by dd/mm/yy</i> ▪ <i>Harmonization of National ASBU Plans with National ATM Master Plans by dd/mm/yy</i> ▪ <i>Publication of ASBU implementation Roadmap by dd/mm/yy</i> 	Development and implementation of ASBU/National ATM Master Plans <ul style="list-style-type: none"> ▪ <i>Publication of National ASBU implementation Plans by dd/mm/yy</i> ▪ <i>Harmonization of National ASBU Plans with National ATM Master Plans by dd/mm/yy</i> ▪ <i>Publication of ASBU implementation Roadmap by dd/mm/yy</i> 	Development and implementation of ASBU/National ATM Master Plans <ul style="list-style-type: none"> ▪ <i>Publication of National ASBU implementation Plans by dd/mm/yy</i> ▪ <i>Harmonization of National ASBU Plans with National ATM Master Plans by dd/mm/yy</i> ▪ <i>Publication of ASBU implementation Roadmap by dd/mm/yy</i>
4. Establishment and implementation of National PBN Plan by 31/12/2016 by all AFI States	Development and implementation of PBN Plans <ul style="list-style-type: none"> ▪ <i>Publication National PBN Plans by dd/mm/yy</i> ▪ <i>Publication of PBN Flight Procedures for international airports by dd/mm/yy</i> ▪ <i>Development of PBN Training Packages by Aviation Training Organisations by dd/mm/yy</i> ▪ <i>Assist XX States to with capacity for PBN</i> 	Development and implementation of PBN Plans <ul style="list-style-type: none"> ▪ <i>Publication National PBN Plans by dd/mm/yy</i> ▪ <i>Publication of PBN Flight Procedures for international airports by dd/mm/yy</i> ▪ <i>Development of PBN Training Packages by Aviation Training Organisations by dd/mm/yy</i> ▪ <i>Assist XX States to with capacity for PBN</i> 	Development and implementation of PBN Plans <ul style="list-style-type: none"> ▪ <i>Publication National PBN Plans by dd/mm/yy</i> ▪ <i>Publication of PBN Flight Procedures for international airports by dd/mm/yy</i> ▪ <i>Development of PBN Training Packages by Aviation Training Organisations by dd/mm/yy</i>

	<p><i>Approvals and Quality Management</i></p> <ul style="list-style-type: none"> ▪ Implementation of WAFS, IAVW and TCAC infrastructures by 90%, 80% and 90% of States respectively before 2018 • 	<p><i>Approvals and Quality Management</i></p> <ul style="list-style-type: none"> ▪ Implementation of WAFS, IAVW and TCAC infrastructures by 97%, 95% and 97% of States respectively before 2028 	<p><i>dd/mm/yy</i></p> <ul style="list-style-type: none"> ▪ Assist XX States to with capacity for PBN Approvals and Quality Management ▪ Full implementation of WAFS, IAVW and TCAC infrastructures by all AFI States
5. Implement seamless ANS along air Traffic Flows (ARs) by dd/mm/mm (AFI single sky)	<p>Reorganization of airspace and routes structure</p> <ul style="list-style-type: none"> ▪ <i>Create Awareness for implementation of RNAV and RNP4 airspace over continental and Oceanic airspaces by dd/mm/yy</i> ▪ <i>Reduce the number of AFI MWOs to X per year (this target is linked to the reduction of the number of FIRs)</i> ▪ <i>Determination of operation requirements for airspace reorganization by dd/mm/yy</i> ▪ <i>Establishment of Project Management framework for airspace reorganization by dd/mm/yy</i> 	<p>Reorganization of airspace and routes structure</p> <ul style="list-style-type: none"> ▪ <i>Create Awareness for implementation of RNAV and RNP4 airspace over continental and Oceanic airspaces by dd/mm/yy</i> ▪ <i>Reduce the number of AFI MWOs to X per year (this target is linked to the reduction of the number of FIRs)</i> ▪ <i>Determination of operation requirements for airspace reorganization by dd/mm/yy</i> ▪ <i>Establishment of Project Management framework for airspace reorganization by dd/mm/yy</i> 	<p>Reorganization of airspace and routes structure</p> <ul style="list-style-type: none"> ▪ <i>Create Awareness for implementation of RNAV and RNP4 airspace over continental and Oceanic airspaces by dd/mm/yy</i> ▪ <i>Reduce the number of AFI MWOs to X per year (this target is linked to the reduction of the number of FIRs)</i> ▪ <i>Determination of operation requirements for airspace reorganization by dd/mm/yy</i> ▪ <i>Establishment of Project Management framework for airspace reorganization by dd/mm/yy</i>
6. Integration of ANS supporting infrastructure/ systems by dd/mm/yy	<ul style="list-style-type: none"> ➤ Integration of communication infrastructures <ul style="list-style-type: none"> ▪ <i>AFTN/AMHS implemented by: dd/mm/yy</i> ▪ <i>AIDC implemented by: dd/mm/yy</i> ▪ <i>VoIP implemented by: dd/mm/yy</i> ▪ <i>VHF implemented by: dd/mm/yy</i> ▪ <i>CPDLC implemented by: dd/mm/yy</i> ▪ <i>VDL implemented by: dd/mm/yy</i> ▪ <i>NOCs implemented by dd/mm/yy</i> ▪ <i>BCCs implemented by dd/mm/yy</i> ▪ ➤ Integrated GNSS infrastructures and regulations <ul style="list-style-type: none"> ▪ <i>Basic RNAV/RNP flight procedures implemented by: dd/mm/yy</i> ▪ <i>SBAS implemented by: dd/mm/yy</i> ▪ <i>GBAS implemented by: dd/mm/yy</i> ➤ Integration of surveillance systems <ul style="list-style-type: none"> ▪ <i>SSR implemented by: dd/mm/yy</i> ▪ <i>ADS-C implemented by: dd/mm/yy</i> ▪ <i>ADS-B implemented by: dd/mm/yy</i> ▪ <i>MLAT implemented by: dd/mm/yy</i> ➤ Integrated AIM <ul style="list-style-type: none"> ▪ <i>AIS/AIM transition by: dd/mm/yy</i> ▪ <i>% of States implementing QMS for AIM by: dd/mm/yy</i> ▪ <i>% of States implementing e-TOD for Areas 1,2,3 and 4 by: dd/mm/yy</i> ▪ <i>% of States implementing WGS-84 by: dd/mm/yy</i> ▪ <i>% of States implementing AIXM by: dd/mm/yy</i> 	<ul style="list-style-type: none"> ➤ Integration of communication infrastructures <ul style="list-style-type: none"> ▪ <i>AFTN/AMHS implemented by: dd/mm/yy</i> ▪ <i>AIDC implemented by: dd/mm/yy</i> ▪ <i>VoIP implemented by: dd/mm/yy</i> ▪ <i>VHF implemented by: dd/mm/yy</i> ▪ <i>CPDLC implemented by: dd/mm/yy</i> ▪ <i>VDL implemented by: dd/mm/yy</i> ▪ <i>X% of AMBEX digital units implemented by dd/mm/yy</i> ➤ Integrated GNSS infrastructures and regulations <ul style="list-style-type: none"> ▪ <i>Basic GNSS procedures implemented by: dd/mm/yy</i> ▪ <i>SBAS implemented by: dd/mm/yy</i> ▪ <i>GBAS implemented by: dd/mm/yy</i> ➤ Integration of surveillance systems <ul style="list-style-type: none"> ▪ <i>SSR implemented by: dd/mm/yy</i> ▪ <i>ADS-C implemented by: dd/mm/yy</i> ▪ <i>ADS-B implemented by: dd/mm/yy</i> ▪ <i>MLAT implemented by: dd/mm/yy</i> ➤ Integrated AIM <ul style="list-style-type: none"> ▪ <i>AIS/AIM transitiond by: dd/mm/yy</i> ▪ <i>SWIM implemented by: dd/mm/yy</i> ▪ <i>Implement phases 5, 6 and 7 of AFI digital OPMET Transition Plan by dd/mm/yy</i> ▪ <i>Integration of digital OPMET to SWIM environment by dd/mm/yy</i> 	<ul style="list-style-type: none"> ➤ Integration of communication infrastructures <ul style="list-style-type: none"> ▪ <i>AFTN/AMHS implemented by: dd/mm/yy</i> ▪ <i>AIDC implemented by: dd/mm/yy</i> ▪ <i>VoIP implemented by: dd/mm/yy</i> ▪ <i>VHF implemented by: dd/mm/yy</i> ▪ <i>CPDLC implemented by: dd/mm/yy</i> ▪ <i>VDL implemented by: dd/mm/yy</i> ▪ <i>Full implementation of AMBEX digital units by dd/mm/yy</i> ➤ Integrated GNSS infrastructures and regulations <ul style="list-style-type: none"> ▪ <i>Basic GNSS procedures implemented by: dd/mm/yy</i> ▪ <i>SBAS implemented by: dd/mm/yy</i> ▪ <i>GBAS implemented by: dd/mm/yy</i> ➤ Integration of surveillance systems <ul style="list-style-type: none"> ▪ <i>SSR implemented by: dd/mm/yy</i> ▪ <i>ADS-C implemented by: dd/mm/yy</i> ▪ <i>ADS-B implemented by: dd/mm/yy</i> ▪ <i>MLAT implemented by: dd/mm/yy</i> ➤ Integrated AIM <ul style="list-style-type: none"> ▪ <i>AIS/AIM transitiond by: dd/mm/yy</i> ▪ <i>SWIM implemented by: dd/mm/yy:</i> ▪ <i>Implement phase 8 of AFI digital OPMET Transition Plan by dd/mm/yy</i> ▪ <i>Full digital OPMET exchange in the future SWIM environment by dd/mm/yy</i>

	<ul style="list-style-type: none"> ▪ % of States with e-AIP implementation by: <i>dd/mm/yy</i> ▪ % of States Implementing Digital NOTAM by: <i>dd/mm/yy</i> ▪ SWIM implemented by: <i>dd/mm/yy</i> ▪ Implement phases 1, 2, 3 and 4 of AFI digital OPMET by <i>dd/mm/yy</i> 		
7. Establishment of effective and operational SAR Organization by <i>dd/mm/yy</i>	➤ Establishment of RSCs	➤ Effective Conduct of SAR Exercises	➤ Effective Conduct of SAR Exercises
8. Reduce CO2 emission by X% by <i>dd/mm/yy</i>	Promoting and Reporting Environmental Protection Activities <ul style="list-style-type: none"> ▪ Awareness creation by <i>dd/mm/yy</i> ▪ Identification of CO2 reduction projects <i>dd/mm/yy</i> ▪ <i>XX</i> number of States reporting CO2 savings 	Promoting and Reporting Environmental Protection Activities <ul style="list-style-type: none"> ▪ Awareness creation by <i>dd/mm/yy</i> ▪ Identification of CO2 reduction projects <i>dd/mm/yy</i> ▪ <i>XX</i> number of States reporting CO2 savings 	Promoting and Reporting Environmental Protection Activities <ul style="list-style-type: none"> ▪ Awareness creation by <i>dd/mm/yy</i> ▪ Identification of CO2 reduction projects <i>dd/mm/yy</i> ▪ <i>XX</i> number of States reporting CO2 savings
9. Harmonization of ANS operations and regulations by <i>dd/mm/mm</i>	<i>Establishment of GNSS operation regulation by dd/mm/yy</i>	<i>Publication of GNSS Regulation by dd/mm/yy</i>	<i>Effective maintenance of GNSS Regulation by dd/mm/yy</i>
10. Establishment and implementation of ANSPs QMS by: <i>dd/mm/mm</i>	<i>Certification of QMS/MET by at least 60% of AFI States by 31/12/2018</i>	<i>Certification of QMS/MET by at least 80% of AFI States by 2023</i>	<i>Certification of QMS/MET by 100% of AFI States by 2028</i>
11. ANS Human Resource Capacity Building	<ul style="list-style-type: none"> ▪ <i>Establishment of ATSEPs, license by dd/mm/yy</i> ▪ <i>Development of instrument flight procedures implementation oversight service</i> ▪ <i>Development of instrument flight procedures design service</i> ▪ <i>Implementation of MET personnel training and competency framework to adapt to digital OPMET working practices in 50% of AFI States by dd/mm/yy</i> 	<ul style="list-style-type: none"> ▪ <i>Maintenance of ATSEPs, license by dd/mm/yy</i> ▪ <i>Implementation of MET personnel training and competency framework to adapt to digital OPMET working practices in 75% of AFI States by dd/mm/yy</i> 	<ul style="list-style-type: none"> ▪ <i>Maintenance of ATSEPs, license by dd/mm/yy</i> ▪ <i>Implementation of MET personnel training and competency framework to adapt to digital OPMET working practices in 90% of AFI States by dd/mm/yy</i>