



ATC02.8 — Ground-Based Safety Nets

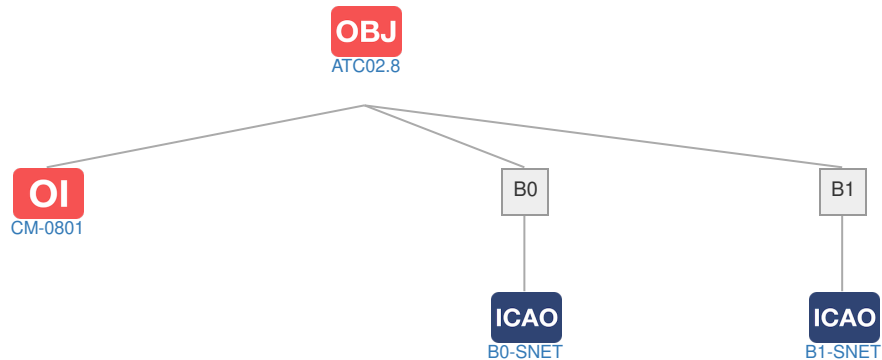
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NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Edition	2019
Stakeholders	Air Navigation Service Provider
Type	SESAR
Scope	ECAC+
Status	Active

Context

Related Elements



Applicability Area(s) and Timescales

Applicability Area: All ECAC States except: Netherlands. Plus: Israel, Morocco

Timescales	From	By	Applicable to
Initial operational capability	01-01-2009	-	Applicability Area
Full operational capability	-	31-12-2016	Applicability Area

Links to ATM Master Plan Level 2

Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
CM-0801	Ground Based Safety Nets (TMA, En-Route)	31-12-2006	31-12-2010	

SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

PCP Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO ICAO Block Modules

Designator	Title	Related Elements
B0		
B0-SNET	Ground based safety nets	OI OBJ
B1		
B1-SNET	Ground-based Safety Nets on Approach	SOL OI OBJ PCP

References

Applicable legislation

Regulation (EU) No 716/2014 on the establishment of the Pilot Common Project (only for APW implementation)

Applicable ICAO Annexes and other references

None

Deployment Programme 2019

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Operating Environments

Terminal Airspace

En-Route

Expected Performance Benefits

Safety

Major safety improvement through the systematic presentation of:

- imminent and actual unauthorized penetrations into airspace volumes to controllers ahead of their occurrence, as provided by APW;
- possible infringements of minimum safe altitude to controllers ahead of their occurrence, as provided by MSAW;
- deviations from the glide path to controllers, as provided by APM.

Capacity

-

Operational efficiency

-

Cost efficiency

-

Environment

-

Security

-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
ASP01	Implement the APW function	01-01-2009	31-12-2016	EN
ASP02	Align ATCO training with the use of APW ground-based safety tools	01-01-2009	31-12-2016	EN
ASP03	Implement the MSAW function	01-01-2009	31-12-2016	EN
ASP04	Align ATCO training with the use of MSAW ground-based safety tools	01-01-2009	31-12-2016	EN
ASP05	Implement the APM function	01-01-2009	31-12-2016	EN
ASP06	Align ATCO training with the use of APM ground-based safety tools	01-01-2009	31-12-2016	EN

Supporting Material

Title	Related SLoAs
EUROCONTROL - GUID-125 - EUROCONTROL Guidance Material for Area Proximity Warning - Edition 1.0 / 05/2009 https://www.eurocontrol.int/sites/default/files/publication/files/20090519-apw-guid-v1.0.pdf	ASP01, ASP02
EUROCONTROL - GUID-127 - EUROCONTROL Guidelines for Minimum Safe Altitude Warning - 1.0 / 05/2009 -	ASP03, ASP04
EUROCONTROL - GUID-129 - EUROCONTROL Guidance Material for Approach Path Monitor - 1.0 / 05/2009 https://www.eurocontrol.int/publication/eurocontrol-guidelines-approach-path-monitor	ASP05, ASP06
EUROCONTROL - Safety Nets - A guide for ensuring effectiveness - August 2017 https://www.eurocontrol.int/sites/default/files/publication/files/safety-nets-guide-august-2017.pdf	ASP01, ASP02, ASP03, ASP04, ASP05, ASP06

Consultation & Approval

Working Arrangement in charge	SAFETY / SPIN SG
Outline description approved in	03/2012
Latest objective review at expert level	04/2012
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	07/2006
Latest change to objective approved/endorsed in	07/2012