

SESAR		Removed							ECAC	
SAF10		Implement measures to reduce the risk to aircraft operations caused by airspace infringements								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

Involved aviation stakeholders should implement measures to reduce the risk to aircraft operations caused by airspace infringements. Airspace infringement occurrences include: unauthorised penetration of controlled airspace (ICAO classes A to E), restricted airspace (Temporary Reserved Airspaces, Prohibited, Restricted and Danger Areas) and Aerodrome Traffic Zones.

This work is conducted under the auspices of the PC-approved EUROCONTROL European Safety Programme for ATM Plus (ESP+) which seeks to facilitate safety management support in the deployments required by ATM Master Plan IP1, and to ensure that safety approaches are formalised and fully prepared to accommodate future ATM systems. As such, implementation of SAF10 acts as a bridge between current ATM operations and those foreseen from 2015.

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 MIL Authorities.

Applicability Area(s) & Timescale(s)

Applicability Area			
Timescales:		From:	By:
Initial operational capability		01/06/2008	Applicability Area
Full operational capability		31/12/2011	Applicability Area

References

European ATM Master Plan

OI step -		[CM-0801]-Ground Based Safety Nets (TMA, En-Route)									
	Enablers -	CTE-S01	CTE-S01a ATC02.8, ATC12.1	ER APP ATC 133 ATC02.8	PRO-059	PRO-219 ATC02.8					
Legend:	WXYZ-001	Covered by SLoA(s) in this objective		WXYZ-002 zzz	Covered by SLoA(s) in another objective Objective covering the enabler			WXYZ-003	Not covered in the Implementation Plan		

Applicable legislation

-none-

Essential Operational Changes

- none -

SESAR Solution

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ICAO GANP - ASBUs

- none -

Deployment Programme

- none -

European Plan for Aviation Safety

- none -

Operating Environments

En-Route
Terminal Airspace

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Stakeholder Lines of Action (SLoAs)

SLoA ref.	Title	From	By
SAF10-REG01	Promulgate and verify the implementation of the European Action Plan - Airspace Infringement Risk Reduction	DELETED	
SAF10-REG02	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	01/06/2008	31/12/2011
SAF10-REG03	Monitor the implementation of planned airspace infringement risk reduction measures	01/06/2008	31/12/2011
SAF10-ASP01	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	01/01/2006	31/12/2011
SAF10-MIL01	Implement, as necessary, the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	01/06/2008	31/12/2011
SAF10-USE01	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	01/06/2008	31/12/2011
SAF10-AGY01	Develop a European action plan for reducing the risk of airspace infringements	FINALISED	
SAF10-AGY02	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	01/06/2008	31/12/2011

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip_objectives

Expected Performance Benefits

Safety:	Significant due to the reduction of a major key risk to aircraft operations.
Capacity:	Increased through reduction in controller workload caused by airspace infringements.
Operational Efficiency:	-
Cost Efficiency:	Significant: - Significant reduction of the risk of accident/serious incident; - Reduced fuel burn caused by arrivals delay or hold; - Reduced negative financial impact on airport and aircraft operators caused by departure and arrival delays.
Environment:	Moderate resulting from reduction in extra fuel burn and noise caused by flights' deviation from arrival route, delays or holdings.
Security:	N/A

Detailed SLoA Descriptions

SAF10-REG02	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	From: 01/06/2008	By: 31/12/2011
Action by:	State Authorities		
Description & purpose:	Verify that ANSPs and national airlines adapt according to the local needs and comply with the respective measures of the European Action Plan- Airspace Infringement Risk Reduction.		
Supporting material(s):	EUROCONTROL - European Action Plan for Airspace Infringement Risk Reduction and Guidance Material Url : http://www.eurocontrol.int/sites/default/files/content/documents/nm/safety/european-action-plan-for-airspace-infringement-risk-reduction.pdf		
Finalisation criteria:	1 - The applicable measures of the Action plan have been implemented. 2 - Implementation is reported through the appropriate mechanism.		
SAF10-REG03	Monitor the implementation of planned airspace infringement risk reduction measures	From: 01/06/2008	By: 31/12/2011
Action by:	State Authorities		
Description & purpose:	Ensure that respective risk mitigation measures are being implemented by the concerned stakeholders in line with the agreed plan. Appropriate follow-up and corrective actions might be identified if found necessary.		
Supporting material(s):	EUROCONTROL - European Action Plan for Airspace Infringement Risk Reduction and Guidance Material Url : http://www.eurocontrol.int/sites/default/files/content/documents/nm/safety/european-action-plan-for-airspace-infringement-risk-reduction.pdf		
Finalisation criteria:	1 - Established monitoring arrangements. 2 - Monitoring reports published, including corrective actions if applicable.		
SAF10-ASP01	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	From: 01/01/2006	By: 31/12/2011
Action by:	ANS Providers		

SAF10		Implement measures to reduce the risk to aircraft operations caused by airspace infringements	
Description & purpose:	Adapt according to the local operational environment and implement the respective measures of European Action Plan - Airspace Infringement Risk Reduction		
Supporting material(s):	EUROCONTROL - European Action Plan for Airspace Infringement Risk Reduction and Guidance Material Url : http://www.eurocontrol.int/sites/default/files/content/documents/nm/safety/european-action-plan-for-airspace-infringement-risk-reduction.pdf		
ATM Master Plan relationship:	[PRO-059]-ATC Procedures to provide a systematic and common response to ground based Safety Net alerts		
Finalisation criteria:	1 - The applicable measures of the Action plan have been implemented. 2 - Implementation is reported through the appropriate mechanism.		
SAF10-MIL01	Implement, as necessary, the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	From: 01/06/2008	By: 31/12/2011
Action by:	Military Authorities		
Description & purpose:	Adapt according to the military needs and specific environment and implement the applicable measures of European Action Plan - Airspace Infringement Risk Reduction.		
Supporting material(s):	EUROCONTROL - European Action Plan for Airspace Infringement Risk Reduction and Guidance Material Url : http://www.eurocontrol.int/sites/default/files/content/documents/nm/safety/european-action-plan-for-airspace-infringement-risk-reduction.pdf		
Finalisation criteria:	1 - The applicable measures of the Action plan have been implemented. 2 - Implementation is reported through the appropriate mechanism.		
SAF10-USE01	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	From: 01/06/2008	By: 31/12/2011
Action by:	Airspace Users		
Description & purpose:	Implement the applicable measures of European Action Plan.- Airspace Infringement Risk Reduction Civil users: Verify and ensure the appropriate follow-up for the implemented measures to reduce the likelihood and the severity of airspace infringement safety occurrences in accordance with the action plan. Military users: Apply the action plan and/or standard Military aircrew procedures, as appropriate.		
Supporting material(s):	EUROCONTROL - European Action Plan for Airspace Infringement Risk Reduction and Guidance Material Url : http://www.eurocontrol.int/sites/default/files/content/documents/nm/safety/european-action-plan-for-airspace-infringement-risk-reduction.pdf		
Finalisation criteria:	1 - The applicable measures of the Action plan, part 5.1 have been implemented. 2 - Implementation is reported through the appropriate mechanism.		
SAF10-AGY01	Develop a European action plan for reducing the risk of airspace infringements	From: 01/01/2007	By: 30/06/2008
Action by:	CND		
Description & purpose:	A European action plan for reducing the risk of airspace infringements has to be produced by the Eurocontrol Agency through coordinated collaboration with concerned stakeholders within the Airspace Infringement Safety Improvement Initiative. The Action plan development lifecycle includes: (1) Identification of Safety Issues; (2) Initial Evaluation; (3) Analysis of the causal factors and elaboration of recommendations; (4) Development and adoption of an Action Plan; (5) Implementation and Monitoring.		
Finalisation criteria:	1 - Approved European Action Plan - Airspace Infringements Risk Reduction and EAP-AIRRToolkit (http://www.eurocontrol.int/safety/public/standard_page/Airspace_Infringement_Initiative_Actionplan.html)		
SAF10-AGY02	Implement the appropriate parts of the European Action Plan - Airspace Infringement Risk Reduction	From: 01/06/2008	By: 31/12/2011
Action by:	EUROCONTROL Agency		
Description & purpose:	Implement the applicable measures of European Action Plan - Airspace Infringement Risk Reduction		
Supporting material(s):	EUROCONTROL - European Action Plan for Airspace Infringement Risk Reduction and Guidance Material Url : http://www.eurocontrol.int/sites/default/files/content/documents/nm/safety/european-action-plan-for-airspace-infringement-risk-reduction.pdf		
Finalisation criteria:	1 - The measures assigned for implementation to the EUROCONTROL Agency have been implemented. 2 - Report on the action plan implementation is produced.		