



# SAF11 — Improve Runway Safety by Preventing Runway Excursions

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The EUROCONTROL "Study of Runway Excursions from a European Perspective" showed that the causal and contributory factors leading to a runway excursion were the same in Europe as in other regions of the world. The study findings made extensive use of lessons from more than a thousand accident and incident reports. Those lessons have been used to draft the recommendations contained in the European Action Plan for the Prevention of Runway Excursions, Edition 1.0 of which was published in January 2013.

The European Action Plan for the Prevention of Runway Excursions (EAPPRE) contains practical recommendations with guidance materials to assist operational staff with their implementation. According to ICAO, runway excursions are a persistent problem and their numbers have not decreased in more than 20 years.

The European Working Group for Runway Safety who developed the EAPPRE considered all practicable means available ranging from the design of aircraft, airspace, procedures and technologies to relevant training for operational staff associated with runway excursion prevention. The recommendations and guidance materials contained in the Action Plan are intended for implementation by the relevant stakeholder organisations with the aim of reducing the rate of runway excursions and the runway excursion risk incumbent upon them.

This European Action Plan, directed to all providers and users of European aerodromes and all European aircraft operators, is the result of the combined and sustained efforts of organisations involved in all areas of runway operations and was co-developed with the European Commercial Aviation Safety Team (ECAST) which was a pillar of the European Strategic Safety Initiative (ESSI) of EASA. The EAPPRE is a deliverable of the European Aviation Safety Plan (EASp), Edition 2011-2014. Subsequently, the ESSI and ECAST have been disbanded and the EASp has been superseded by the EPAS (European Plan for Aviation Safety) 2017-2021 which contains various actions to assess and improve risk controls to mitigate runway excursions.

*Note: Central to the recommendations contained in this Action Plan is the uniform and consistent application of ICAO provisions. The applicability area of this objective is all ECAC States. Nevertheless, it is for the individual National Safety Authority to decide upon the strategy of implementation by the applicable organisations within its own State.*

*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.*

<b>Edition</b>	2022
<b>Stakeholders</b>	Regulator / Air Navigation Service Provider / Airport Operator / Airspace Users / Network Manager
<b>Type</b>	SESAR
<b>Scope</b>	ECAC+
<b>Status</b>	Removed

## Context

### Related Elements



## Applicability Area(s) and Timescales

**Applicability Area:** All ECAC States except: Maastricht UAC. Plus: Israel

Timescales	From	By	Applicable to
Initial operational capability	01-09-2013	-	Applicability Area
Full operational capability	-	31-01-2018	Applicability Area

## Links to ATM Master Plan Level 2

### **EN** Enablers

Code	Title	IOC	Related Elements
PRO-006a	ATC Procedures to standardise phraseology, altitude usage (airport)	-	<b>OI</b> <b>OBJ</b>

### **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: No associated data

## References

### Applicable legislation

None

### Applicable ICAO Annexes and other references

ICAO Annex 3 Meteorological Services for International Air Navigation

ICAO Annex 6 Operation of Aircraft

ICAO Annex 11 Air Traffic Services

ICAO Annex 13 Aircraft Accident and Incident Investigation

ICAO Annex 14 Aerodromes

ICAO Annex 15 Aeronautical Information Services

### Deployment Programme 2022

-

### Operating Environments

-

## Expected Performance Benefits

<b>Safety</b>	Significant improvement, through reduced risk of incidents and accidents on runways.
<b>Capacity</b>	-
<b>Operational efficiency</b>	-
<b>Cost efficiency</b>	-
<b>Environment</b>	-
<b>Security</b>	-

## Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
REG01	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01-09-2013	31-01-2018	
ASP01	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01-09-2013	31-12-2014	<b>EN</b>
ASP02	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions with regard to the provision of aeronautical information services	01-09-2013	31-12-2014	
ASP03	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions with regard to the provision of meteorological services for international aviation	01-09-2013	31-12-2014	
APO01	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01-09-2013	31-12-2014	
USE01	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01-09-2013	31-01-2018	
NM01	Maintain the European Action Plan for the Prevention of Runway Excursions	01-09-2013	31-01-2018	
NM02	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01-09-2013	31-01-2018	

## Supporting Material

Title	Related SLoAs
EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013 <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Excursions_(EAPPRE)">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Excursions_(EAPPRE)</a>	APO01, ASP01, ASP02, ASP03, NM02, REG01, USE01
ICAO - ICAO - ICAO Runway Safety Toolkit <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a>	APO01, ASP01, ASP02, ASP03, REG01, USE01
ICAO - ICAO - Runway Incursion Severity Risk Calculator <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a>	APO01, ASP01, ASP02, ASP03, REG01, USE01
ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions <a href="https://skybrary.aero/index.php/ICAO_Doc_9870_Manual_on_the_Prevention_of_Runway_Incursions">https://skybrary.aero/index.php/ICAO_Doc_9870_Manual_on_the_Prevention_of_Runway_Incursions</a>	APO01, ASP01, ASP02, ASP03, REG01, USE01

## Consultation & Approval

<b>Working Arrangement in charge</b>	Safety Team (SAFT)
<b>Outline description approved in</b>	-
<b>Latest objective review at expert level</b>	03/2013
<b>Commitment Decision Body</b>	Provisional Council (PC)
<b>Objective approved/endorsed in</b>	07/2013
<b>Latest change to objective approved/endorsed in</b>	-

