

SESAAR		Removed							ECAC+	
SAF11		Improve Runway Safety by Preventing Runway Excursions								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

## Subject matter and scope

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 Subsequently, the ESSI and ECAST have been disbanded and the EASp has been superseded by the EPAS (European Plan for Aviation Safety) 2017-2021 which contains various actions to assess and improve risk controls to mitigate runway excursions.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.

## Applicability Area(s) & Timescale(s)

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

## References

### European ATM Master Plan

OI step -	<a href="#">-No OI Link-</a>									
	Enablers -	PRO-006a								

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

Airport and TMA performance

### SESAAR Solution

<b>SAF11</b>	<b>Improve Runway Safety by Preventing Runway Excursions</b>
--------------	--

#### ICAO GANP - ASBUs

- none -	
----------	--

#### Deployment Programme

- none -	
----------	--

#### European Plan for Aviation Safety

MST.007	Include runway excursions in national SSPs
RMT.0570	Reduction of runway excursions
RMT.0703	Runway Safety

#### Operating Environments

Airport
---------

### Stakeholder Lines of Action (SLoAs)

SLoA ref.	Title	From	By
<b>SAF11-REG01</b>	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01/09/2013	31/01/2018
<b>SAF11-ASP01</b>	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01/09/2013	31/12/2014
<b>SAF11-ASP02</b>	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
<b>SAF11-ASP03</b>	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
<b>SAF11-APO01</b>	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01/09/2013	31/12/2014
<b>SAF11-USE01</b>	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01/09/2013	31/01/2018
<b>SAF11-NM01</b>	Maintain the European Action Plan for the Prevention of Runway Excursions	01/09/2013	31/01/2018
<b>SAF11-NM02</b>	Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions	01/09/2013	31/01/2018

Description of finalised and deleted SLoAs is available on the eATM Portal @ [https://www.eatmportal.eu/working/depl/essip\\_objectives](https://www.eatmportal.eu/working/depl/essip_objectives)

### 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>	-

### Detailed SLoA Descriptions

<b>SAF11-REG01</b>	<b>Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions</b>	<b>From:</b> 01/09/2013	<b>By:</b> 31/01/2018
<b>Action by:</b>	<b>State Authorities</b>		
<b>Description &amp; purpose:</b>	<ul style="list-style-type: none"> <li>- Ensure that the European Action Plan for the Prevention of Runway Excursions is disseminated widely to increase understanding of runway excursion which includes the Recommendations of the Action Plan, i.e. Part 3.1 references 3.1.1 and Part 3.6 references 3.6.3; 3.6.8 and 3.6.9.</li> <li>- Regulators, i.e. National Supervisory Authorities (NSAs) should focus on runway safety in their oversight activities e.g. preventing runway excursion risks which includes the Recommendations of the Action Plan, i.e. Part 3.1 references 3.1.4; 3.1.5 and Part 3.6 reference 3.6.2.</li> <li>- Verify that aircraft operators, aerodrome operators and air navigation service providers adapt according to the local needs and comply with the respective measures of the European Action Plan for the Prevention of Runway Excursions which includes the Recommendations of the Action Plan, i.e. Part 3.6 references 3.6.1; 3.6.4; 3.6.5; 3.6.6 and 3.6.7.</li> </ul>		

<b>SAF11</b>	<b>Improve Runway Safety by Preventing Runway Excursions</b>
--------------	--

<b>Supporting material(s):</b>	EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013 Url : <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> ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions Url : <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> ICAO - ICAO - ICAO Runway Safety Toolkit Url : <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a> ICAO - ICAO - Runway Incursion Severity Risk Calculator Url : <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a>		
<b>Finalisation criteria:</b>	1 - Documentation for the European Action Plan for the Prevention of Runway Excursions has been disseminated. 2 - Established oversight activities arrangements, e.g. audit plans, audit report published, including corrective actions if applicable. 3 - The applicable measures of the Action plan, Part 3.6 have been implemented. 4 - Implementation is reported through the appropriate mechanism.		
<b>SAF11-ASP01</b>	<b>Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions</b>	From: 01/09/2013	By: 31/12/2014
<b>Action by:</b>	<b>ANS Providers</b>		
<b>Description &amp; purpose:</b>	Adapt according to the local operational environment and implement the respective measures of the European Action Plan for the Prevention of Runway Excursions which includes all recommendations of Part 3.3; Part 3.1 references 3.1.1; 3.1.3; 3.1.4; 3.1.5; 3.1.6 and 3.1.7; Part 3.2 references 3.2.8 and 3.2.9.		
<b>Supporting material(s):</b>	EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013 Url : <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> ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions Url : <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> ICAO - ICAO - ICAO Runway Safety Toolkit Url : <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a> ICAO - ICAO - Runway Incursion Severity Risk Calculator Url : <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a>		
<b>ATM Master Plan relationship:</b>	<a href="#">[PRO-006a]-ATC Procedures to standardise phraseology, altitude usage (airport)</a>		
<b>Finalisation criteria:</b>	1 - The applicable measures of the Action plan, Parts 3.1, 3.2 and 3.3 have been implemented. 2 - Implementation is reported through the appropriate mechanism.		
<b>SAF11-ASP02</b>	<b>Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions with regard to the provision of aeronautical information services</b>	From: 01/09/2013	By: 31/12/2014
<b>Action by:</b>	<b>AIS Providers ANS Providers</b>		
<b>Description &amp; purpose:</b>	Adapt according to the local operational environment and implement the respective measures of the European Action Plan for the Prevention of Runway Excursions which includes Recommendations of Part 3.3 references 3.3.4 and 3.3.5.		
<b>Supporting material(s):</b>	EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013 Url : <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> ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions Url : <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> ICAO - ICAO - ICAO Runway Safety Toolkit Url : <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a> ICAO - ICAO - Runway Incursion Severity Risk Calculator Url : <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a>		
<b>Finalisation criteria:</b>	1 - The applicable measures of the Action plan, Part 3.3 have been implemented. 2 - Implementation is reported through the appropriate mechanism.		
<b>SAF11-ASP03</b>	<b>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</b>	From: 01/09/2013	By: 31/12/2014
<b>Action by:</b>	<b>ANS Providers</b>		
<b>Description &amp; purpose:</b>	Adapt according to the local operational environment and implement the respective measures of the European Action Plan for the Prevention of Runway Excursions which includes Recommendations of Part 3.2 references 3.2.8 and 3.2.9.		

<b>SAF11</b>	<b>Improve Runway Safety by Preventing Runway Excursions</b>
--------------	--

<b>Supporting material(s):</b>	<p>EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013          Url : <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></p> <p>ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions          Url : <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></p> <p>ICAO - ICAO - ICAO Runway Safety Toolkit          Url : <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a></p> <p>ICAO - ICAO - Runway Incursion Severity Risk Calculator          Url : <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a></p>		
<b>Finalisation criteria:</b>	<p>1 - The applicable measures of the Action plan, Part 3.2 have been implemented.          2 - Implementation is reported through the appropriate mechanism.</p>		
<b>SAF11-APO01</b>	<b>Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions</b>	<b>From:</b> 01/09/2013	<b>By:</b> 31/12/2014
<b>Action by:</b>	<b>Airport Operators</b>		
<b>Description &amp; purpose:</b>	<p>Implement the applicable measures of the European Action Plan for the Prevention of Runway Excursions which includes all recommendations of Part 3.2, Part 3.1 references 3.1.1; 3.1.3; 3.1.4; 3.1.5; 3.1.6 and 3.1.7, Part 3.3 references 3.3.4; 3.3.5 and 3.3.6.</p> <p>For the Local Runway Safety Team implement the applicable measures of the Action Plan, recommendations 3.1.2; 3.1.4 and 3.1.6 of Part 3.1.</p>		
<b>Supporting material(s):</b>	<p>EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013          Url : <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></p> <p>ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions          Url : <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></p> <p>ICAO - ICAO - ICAO Runway Safety Toolkit          Url : <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a></p> <p>ICAO - ICAO - Runway Incursion Severity Risk Calculator          Url : <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a></p>		
<b>Finalisation criteria:</b>	<p>1 - The applicable measures of the Action plan, Parts 3.1, 3.2 and 3.3 have been implemented.          2 - Implementation is reported through the appropriate mechanism.</p>		
<b>SAF11-USE01</b>	<b>Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions</b>	<b>From:</b> 01/09/2013	<b>By:</b> 31/01/2018
<b>Action by:</b>	<b>Airspace Users</b>		
<b>Description &amp; purpose:</b>	<p>Implement the applicable measures of the European Action Plan for the Prevention of Runway Excursions which includes all recommendations of Part 3.4, Part 3.1 references 3.1.1, 3.1.6, 3.1.7 and Part 3.3 reference 3.3.4.</p>		
<b>Supporting material(s):</b>	<p>EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013          Url : <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></p> <p>ICAO - ICAO Doc 9870 - Manual on the Prevention of Runway Incursions          Url : <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></p> <p>ICAO - ICAO - ICAO Runway Safety Toolkit          Url : <a href="https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit">https://skybrary.aero/index.php/ICAO_Runway_Safety_Toolkit</a></p> <p>ICAO - ICAO - Runway Incursion Severity Risk Calculator          Url : <a href="https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator">https://skybrary.aero/index.php/Runway_Incursion_Severity_Risk_Calculator</a></p>		
<b>Finalisation criteria:</b>	<p>1 - The applicable measures of the Action plan, Parts 3.1, 3.3 and 3.4 have been implemented.          2 - Implementation is reported through the appropriate mechanism.</p>		
<b>SAF11-NM01</b>	<b>Maintain the European Action Plan for the Prevention of Runway Excursions</b>	<b>From:</b> 01/09/2013	<b>By:</b> 31/01/2018
<b>Action by:</b>	<b>NM</b>		
<b>Description &amp; purpose:</b>	<p>EUROCONTROL NM Safety Improvement Sub Group (SISG) (Runway Safety element) monitors the European Action Plan for the Prevention of Runway Excursions with a view to providing inputs for any subsequent Edition which would most likely be developed by EASA under the auspices of the EPAS (European Plan for Aviation Safety) with NM (SISG) support as requested. Development of Edition 2.0 of the Action Plan will most likely be led by EASA.</p>		
<b>Finalisation criteria:</b>	<p>1 - <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></p>		
<b>SAF11-NM02</b>	<b>Implement the appropriate parts of the European Action Plan for the Prevention of Runway Excursions</b>	<b>From:</b> 01/09/2013	<b>By:</b> 31/01/2018
<b>Action by:</b>	<b>NM</b>		

<b>SAF11</b>	<b>Improve Runway Safety by Preventing Runway Excursions</b>
--------------	--

<b>Description &amp; purpose:</b>	Implement the applicable measures of the European Action Plan for the Prevention of Runway Excursions which includes Part 3.1 reference 3.1.6.
<b>Supporting material(s):</b>	EUROCONTROL - European Action Plan for the Prevention of Runway Excursions (EAPPRE) - 1.0 / 01/2013 Url : <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>
<b>Finalisation criteria:</b>	1 - The measures assigned for implementation to the EUROCONTROL Agency have been implemented. 2 - Report on the action plan implementation is produced.