

SESAR		Achieved							APT	
AOP03		Improve runway safety by preventing runway incursions								
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

## Subject matter and scope

Prevent runway accidents by identifying and eliminating the risks of runway incursions.

This objective has been updated in 2010 to encompass the new recommendations in the European Action Plan for Prevention of Runway Incursions (EAPPRI) Edition 2.0.

A few recommendations have been completed, progressed or improved. All the remaining recommendations which were part of the previous EAPPRI Editions are still valid. New recommendations are based upon best practices from airports across Europe and can be found in sections 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, 1.8, and the new sections 1.9 -Technology for the prevention of runway incursions - and 1.10 - Civil-military joint use aerodromes.

The applicability area of this objective is all ECAC aerodromes. Nonetheless, it is for the individual National safety authority to decide upon the strategy of implementation at aerodromes within its own State.

**NOTE FOR MILITARY AUTHORITIES:** It is the responsibility of each Military Authority to review this ESSIP 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)

<b>Applicability Area</b>	See list of airports in MP Level 3 Implementation Plan - Annexes		
<b>Timescales:</b>	<b>From:</b>	<b>By:</b>	<b>Applicable to:</b>
Initial operational capability	01/04/2003		Applicability Area
Full operational capability		31/12/2013	Applicability Area

## References

### European ATM Master Plan

Ol step -	<a href="#">[AO-0101]-Reduced Risk of Runway Incursions through Improved Procedures and Best Practices on the Ground</a>									
	Enablers -	PRO-062b	PRO-062c							
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-
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### Essential Operational Changes

- none -
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### SESAR Solution

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### ICAO GANP - ASBUs

- none -
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### Deployment Programme

- none -
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### European Plan for Aviation Safety

- none -
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### Operating Environments

<b>AOP03</b>	<b>Improve runway safety by preventing runway incursions</b>
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Airport
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### Stakeholder Lines of Action (SLoAs)

SLoA ref.	Title	From	By
<b>AOP03-REG01</b>	Implement recommendations contained in the European Action Plan for the Prevention of Runway Incursions in accordance with the explanatory notes	01/04/2003	31/12/2013
<b>AOP03-ASP01</b>	Establish a local Runway Safety Team and implement General principles contained in the European Action plan for the prevention of runway incursions in accordance with the explanatory notes	01/04/2003	31/12/2013
<b>AOP03-ASP02</b>	Ensure Air Traffic Controller Best Practices are implemented	01/04/2003	31/12/2013
<b>AOP03-ASP03</b>	Implement Communication recommendations	<b>FINALISED</b>	
<b>AOP03-ASP04</b>	Implement Aeronautical information management	01/04/2003	31/12/2013
<b>AOP03-APO01</b>	Establish a local Runway Safety Team and implement General principles contained in the European Action Plan for the Prevention of Runway Incursions in accordance with the explanatory notes	01/04/2003	31/12/2013
<b>AOP03-APO02</b>	Ensure that all airport infrastructure, practices and procedures are in accordance with ICAO provisions	01/04/2003	31/12/2013
<b>AOP03-APO03</b>	Implement Communication recommendations	01/04/2003	31/12/2013
<b>AOP03-APO04</b>	Implement Aeronautical information management	01/04/2003	31/12/2013
<b>AOP03-APO05</b>	Put in place a formal training and assessment for drivers and all personnel who operate on or near the runway	01/04/2003	31/12/2013
<b>AOP03-APO06</b>	Implement Safety Management Systems (SMS) in accordance with ICAO provisions for its aerodrome operations	01/04/2003	31/12/2013
<b>AOP03-USE01</b>	Implement recommendations contained in the European Action Plan for the Prevention of Runway Incursions in accordance with the explanatory notes	01/04/2003	31/12/2013

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, through reduced risk of incidents and accidents on runways.
<b>Capacity:</b>	Indirect through prevention of delay problems caused by runway incursion incidents.
<b>Operational Efficiency:</b>	-
<b>Cost Efficiency:</b>	The prevention of accidents is a highly cost-effective measure and the application is based upon the implementation of existing ICAO provisions.
<b>Environment:</b>	Negligible
<b>Security:</b>	N/A

### Detailed SLoA Descriptions

<b>AOP03-REG01</b>	<b>Implement recommendations contained in the European Action Plan for the Prevention of Runway Incursions in accordance with the explanatory notes</b>	<b>From:</b> 01/04/2003	<b>By:</b> 31/12/2013
<b>Action by:</b>	<b>State Authorities</b>		
<b>Description &amp; purpose:</b>	Implement recommendations contained in the EAPRI Edition 2.0 related to general principles for prevention of runway incursions (1.1.1, 1.1.4 and 1.1.5), airport operator issues (1.2.8, 1.2.11 & 1.2.15), data collection and lessons sharing (1.6.1 to 1.6.2), regulatory issues (1.7.1 to 1.7.9), Aeronautical Information Management (AIM) (1.8.1, 1.8.5 & 1.8.6) and civil-military joint use of aerodromes (1.10.1, 1.10.2, 1.10.3, 1.10.4 and 1.10.12). For the responsible organisation is to decide specific details, after taking local conditions into account.		
<b>Supporting material(s):</b>	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
<b>Finalisation criteria:</b>	1 - Recommendations 1.1.1, 1.1.4, 1.1.5, 1.2.8, 1.2.11, 1.2.15, 1.6.1 to 1.6.2, 1.7.1 to 1.7.9, 1.8.1, 1.8.5, 1.8.6, 1.10.1, 1.10.2, 1.10.3, 1.10.4 and 1.10.12 have been implemented.		
<b>AOP03-ASP01</b>	<b>Establish a local Runway Safety Team and implement General principles contained in the European Action plan for the prevention of runway incursions in accordance with the explanatory notes</b>	<b>From:</b> 01/04/2003	<b>By:</b> 31/12/2013
<b>Action by:</b>	<b>ANS Providers</b>		

AOP03		Improve runway safety by preventing runway incursions	
Description & purpose:	Implement recommendations contained in the EAPPRI Edition 2.0 related to general principles for prevention of runway incursions (1.1.1 to 1.1.7). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.1.1 to 1.1.7 have been implemented.		
AOP03-ASP02	Ensure Air Traffic Controller Best Practices are implemented	From: 01/04/2003	By: 31/12/2013
Action by:	ANS Providers		
Description & purpose:	Ensure that recommendations on ATC best practices contained in the EAPPRI Edition 2.0 are implemented. These recommendations are specified in sections related to airport operator issues (1.2.7, 1.2.8, 1.2.10, 1.2.11, 1.2.14 and 1.2.15), ANSP issues (1.5.1 to 1.5.18), data collection and lesson sharing (1.6.2), regulatory issues (1.7.6), technology (1.9.1) and civil-military joint use of aerodromes (1.10.2, 1.10.3, 1.10.6, 1.10.7, 1.10.8, and 1.10.9) The responsible organisation is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
ATM Master Plan relationship:	<a href="#">[PRO-062b]-Airport Operational Procedures implementing Best Practices for Prevention of Runway Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.2.7, 1.2.8, 1.2.10, 1.2.11, 1.2.14, 1.2.15, 1.5.1 to 1.5.18, 1.6.2, 1.7.6, 1.9.1, 1.10.2, 1.10.3, 1.10.6, 1.10.7, 1.10.8 and 1.10.9 have been implemented.		
AOP03-ASP03	Implement Communication recommendations	From: 01/04/2003	By: 31/12/2013
Action by:	ANS Providers		
Description & purpose:	Implement communication recommendations contained in the EAPPRI Edition 2.0. These recommendations are related to language, radiotelephony, phraseologies and procedures (all these are covered by recommendations 1.3.1 to 1.3.9); to airport operator issues (1.2.8), ANSP issues (1.5.3, 1.5.4, 1.5.6, 1.5.7, 1.5.8 and 1.5.11), and civil-military joint use of aerodromes (1.10.7 and 1.10.9). The responsible organization to decide specific details, after taking local conditions into account.		
Supporting material(s):	EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.3.1 to 1.3.9, 1.2.8, 1.5.3, 1.5.4, 1.5.6, 1.5.7, 1.5.8, 1.5.11, 1.10.7 and 1.10.9 have been implemented		
AOP03-ASP04	Implement Aeronautical information management	From: 01/04/2003	By: 31/12/2013
Action by:	ANS Providers		
Description & purpose:	Implement recommendations related to Aeronautical Information Management (AIM) contained in the EAPPRI Ed 2.0 (1.8.1, 1.8.4, 1.8.5 and 1.8.6), general principles (1.1.3). and communication section (1.3.9). The responsible organisation is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.1.3, 1.3.9, 1.8.1, 1.8.4, 1.8.5 and 1.8.6 have been implemented.		
AOP03-APO01	Establish a local Runway Safety Team and implement General principles contained in the European Action Plan for the Prevention of Runway Incursions in accordance with the explanatory notes	From: 01/04/2003	By: 31/12/2013
Action by:	Airport Operators		
Description & purpose:	Implement recommendations contained in the EAPPRI Edition 2.0 related to general principles for prevention of runway incursions (1.1.1 to 1.1.7). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.1.1 to 1.1.7 have been implemented.		

AOP03		Improve runway safety by preventing runway incursions	
AOP03-APO02	Ensure that all airport infrastructure, practices and procedures are in accordance with ICAO provisions	From: 01/04/2003	By: 31/12/2013
Action by:	Airport Operators		
Description & purpose:	Ensure that all recommendations related to ICAO provisions for airport infrastructure, practices and procedures contained in the EAPPRI Edition 2.0 are implemented. These recommendations are specified in sections related to airport operator issues (1.2.1, 1.2.2, 1.2.4 to 1.2.16) and Civil-Military joint use of aerodromes (1.10.2, 1.10.5, 1.10.10 and 1.10.12). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.2.1, 1.2.2, 1.2.4 to 1.2.16, 1.10.2, 1.10.5, 1.10.10 and 1.10.12 have been implemented.		
AOP03-APO03	Implement Communication recommendations	From: 01/04/2003	By: 31/12/2013
Action by:	Airport Operators		
Description & purpose:	Implement communication recommendations contained in the EAPPRI Edition 2.0. These recommendations are related to language, radiotelephony, phraseologies and procedures (all these are covered by recommendations 1.3.1 to 1.3.7, and 1.3.9); and Civil-Military joint use of aerodromes (1.10.7). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.3.1 to 1.3.7, 1.3.9 and 1.10.7 have been implemented.		
AOP03-APO04	Implement Aeronautical information management	From: 01/04/2003	By: 31/12/2013
Action by:	Airport Operators		
Description & purpose:	Implement recommendations related to AIM contained in the EAPPRI Edition 2.0. These recommendations are specified in sections aeronautical information management (1.8.1, 1.8.3, 1.8.4, 1.8.5 and 1.8.6) and Civil-Military joint use of aerodromes (1.10.3). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.8.1, 1.8.3, 1.8.4, 1.8.5, 1.8.6 and 1.10.3 have been implemented.		
AOP03-APO05	Put in place a formal training and assessment for drivers and all personnel who operate on or near the runway	From: 01/04/2003	By: 31/12/2013
Action by:	Airport Operators		
Description & purpose:	Implement recommendations contained in the EAPPRI Edition 2.0 which are related to training and assessment of drivers and personnel who operate on or near runway. These recommendations are specified in sections related to generic principles for prevention of runway incursions (1.1.4 and 1.1.5) and aerodrome operator issues (1.2.6, 1.2.7, 1.2.10, 1.2.13 and 1.2.16). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
Finalisation criteria:	1 - Recommendations 1.1.4, 1.1.5, 1.2.6, 1.2.7, 1.2.10, 1.2.13 and 1.2.16 have been implemented.		
AOP03-APO06	Implement Safety Management Systems (SMS) in accordance with ICAO provisions for its aerodrome operations	From: 01/04/2003	By: 31/12/2013
Action by:	Airport Operators		
Description & purpose:	Implement recommendations contained in the EAPPRI Edition 2.0 related to the implementation of the Safety Management System (SMS) on the airports (1.2.3). The responsible organization is to decide specific details, after taking local conditions into account.		
Supporting material(s):	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		

AOP03	Improve runway safety by preventing runway incursions		
<b>Finalisation criteria:</b>	1 - Recommendation 1.2.3 has been implemented.		
<b>AOP03-USE01</b>	<b>Implement recommendations contained in the European Action Plan for the Prevention of Runway Incursions in accordance with the explanatory notes</b>	<b>From:</b>	<b>By:</b>
		01/04/2003	31/12/2013
<b>Action by:</b>	<b>Airspace Users</b>		
<b>Description &amp; purpose:</b>	Implement recommendations contained in the EAPPRI Edition 2.0 which are related to aircraft operators. These recommendations are specified in sections related to general principles for prevention of runway incursions (1.1.1, 1.1.5 to 1.1.7), communications (1.3.1 to 1.3.5 and 1.3.7), aircraft operator issues (1.4.1 to 1.4.15), ANSP issues (1.5.17), data collection and lessons sharing (1.6.2), regulatory issues (1.7.6), aeronautical information management (1.8.3 and 1.8.4), technology (1.9.1) and civil-military joint use of aerodromes (1.10.6, 1.10.8, 1.10.11 to 1.10.12). The responsible organization is to decide specific details, after taking local conditions into account.		
<b>Specific applicability:</b>	Military authorities shall consider revising appropriate manuals and checklists so that military aircrew operating to and from civil aerodromes on a regular basis, are able to apply runway safety best practices.		
<b>Supporting material(s):</b>	ICAO - ICAO Runway Safety Team Handbook - First Edition Url : <a href="https://store.icao.int/">https://store.icao.int/</a>		
	EUROCONTROL - European Action Plan for the Prevention of Runway Incursions - Edition 2.0 Url : <a href="http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions">http://www.skybrary.aero/index.php/European_Action_Plan_for_the_Prevention_of_Runway_Incursions</a>		
<b>ATM Master Plan relationship:</b>	<a href="#">[PRO-062b]-Airport Operational Procedures implementing Best Practices for Prevention of Runway Incursions</a>		
<b>Finalisation criteria:</b>	1 - Recommendations 1.1.1, 1.1.5 to 1.1.7, 1.3.1 to 1.3.5, 1.3.7, 1.4.1 to 1.4.15, 1.5.17, 1.6.2, 1.7.6, 1.8.3, 1.8.4, 1.9.1, 1.10.6, 1.10.8, 1.10.11 and 1.10.12 have been implemented.		