



AOP18 — Runway Status Lights (RWSL)

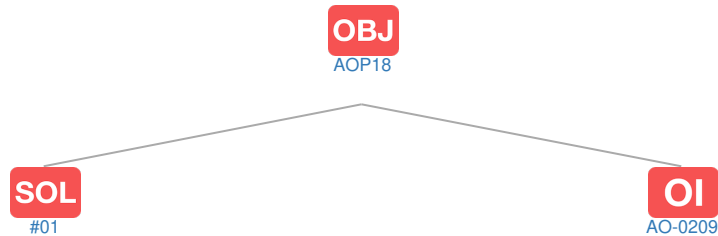
NOTE: In ICAO Annex 14, Volume I, RWSL is designated under the term "Autonomous Runway Incursion Warning System (ARIWS).

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	Regulator / Air Navigation Service Provider / Airport Operator / Airspace Users / International Organisations and Regional Bodies
Type	SESAR
Scope	Local/Airport
Status	Active

Context

Related Elements



Applicability Area(s) and Timescales

Applicability Area: (Subject to local need)

Timescales	From	By	Applicable to
Dummy date-for Analytics module only	31-05-2019	-	Applicability Area
Dummy date-for Analytics module only	-	01-01-2030	Applicability Area

Links to ATM Master Plan Level 2

Operational Improvement Steps

Code	Title	IOC	FOC	Related Elements
AO-0209	Enhanced Runway Usage Awareness	29-04-2021	29-04-2026	

Links to SESAR Solutions

Code	Title	Program	Related Elements
#01	RunWay Status Lights	SESAR1	    

Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

 ICAO Block Modules: No associated data

References

Applicable legislation

ICAO Annex 14 (Aerodromes), Volume I

Applicable ICAO Annexes and other references

None

Deployment Programme 2019

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Operating Environments

Airport

Expected Performance Benefits

Safety	Less severe and less frequent runway incursions due to an increase of runway usage awareness through accurate and timely indication of runway occupancy.
Capacity	No
Operational efficiency	Yes
Cost efficiency	No
Environment	No
Security	No

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
REG01	Promulgate the procedures for use of RWSL			EN
ASP01	Install RWSL management tool			EN
ASP02	Upgrade TWR CWP to interface with RWSL management tool			EN
ASP03	Develop and implement procedures for the use of RWSL			EN
ASP04	Develop safety assessment of the changes imposed by RWSL			
ASP05	Train all relevant staff in the use of RWSL			
APO01	Upgrade Airfield Ground Lighting system to provide the Runway Status Lights			EN
APO02	Install RWSL management tool			EN
APO03	Develop and implement procedures for the use of RWSL			EN
APO04	Develop safety assessment of the changes imposed by RWSL			
APO05	Train all relevant staff in the use of RWSL			
USE01	Develop the procedures for use of RWSL			EN
USE02	Train all relevant staff in the use of RWSL			
INT01	Develop the standards for operational use of RWSL			EN
INT02	Develop the standards for RWSL design and approval			EN
INT03	Develop standard interfaces and information exchanges of RWSL Management Tool			EN

Supporting Material

Title	Related SLoAs
EASA - EASA deliverable of SLoA INT02. -	APO01, APO02, ASP01, ASP02
EUROCAE - EUROCAE deliverable of SLoA INT03 -	APO02, ASP01, ASP02
ICAO - Annex 11 - Air Traffic Services https://store.icao.int/	REG01
ICAO - Annex 14 - Aerodromes, Volume I and II https://store.icao.int/	APO01, APO02, APO03, APO04, APO05, ASP01, ASP02, ASP04, INT02, INT03, REG01
ICAO - Deliverable of SLoA INT01, ICAO PANS ATM Amendment on RWSL. -	APO03, APO04, APO05, ASP03, ASP04, ASP05, USE01, USE02
SJU - RWSL - SESAR Solution 01: Data pack for Runway status lights https://www.sesarju.eu/sesar-solutions/runway-status-lights	APO01, APO02, APO03, APO04, APO05, ASP01, ASP02, ASP03, ASP04, ASP05, INT01, INT02, INT03, REG01, USE01, USE02

Consultation & Approval

Working Arrangement in charge	Airport Operations Team (AOT)
Outline description approved in	-
Latest objective review at expert level	-
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	05/2019
Latest change to objective approved/endorsed in	-