

Deployment Scenario Title	Traffic alerts for pilots for airport operations
Deployment Scenario Description	Traffic alerts for pilots for airport operations: this refers to enhancing on-board systems for the detection of potential and actual risk of collisions with other traffic during runway and taxiway operations. In all cases, the flight crew will be provided with appropriate alerts.
Essential Operational Change	Airport and TMA performance
Maturity	In development phase: Key Solutions Approaching Maturity

Applicable Operating Environment			
Airport	Terminal Airspace	En-Route	Network

Timeline																					
2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
					Deployment																
											Benefit										

Performance Contribution of the DS				
Capacity	Safety	Environment	Cost-efficiency	Operational efficiency

Stakeholders affected (at least one enabler to be deployed)						
ANSP		AO		AU		Network Manager
Civil	Military	Civil	Military	Civil	Military	
				Scheduled, BA Fixed, BA Rotorcraft, GA	Transport, Fighter	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.03b-05	Traffic Alerts for Pilots for Airport Operations	Traffic Alerts for pilots for airports operations refer to enhancing on-board systems in order to...	<div>SOL</div> <div>PJ</div> <div>OI</div> <div>DS</div> <div>EOC</div> <div>ICAO</div>

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
AUO-0605	Traffic Alerts for Pilots during Runway Operations	The on-board system detects potential and actual risk of collision with other aircraft traffic...	<div>SOL</div> <div>EN</div> <div>DS</div> <div>ICAO</div>
AUO-0615	Traffic Alerts for Pilots during Taxiway Operations	The on-board system detects potential and actual risk of collision with other aircraft traffic...	<div>SOL</div> <div>EN</div> <div>DS</div>

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			A/C-43a1	Traffic Alerts for Pilots during Runway Operations	Traffic Alerts for Pilots during Runway Operations	STK OI EN DS
🔒			A/C-43a2	Traffic Alerts for Pilots during Taxiway Operations	Traffic Alerts for Pilots during Taxiway Operations	STK OI DS
🔒			A/C-48a	Air broadcast of aircraft position/vector (ADS-B OUT) compliant with DO260B	Air broadcast of aircraft position/vector (ADS-B OUT) compliant with DO260B	STK OI EN DS
🔒			A/C-67	ADS-B IN	On-board ADS-B receive function (ADS-B IN) including reception and processing of ADS-B...	STK OI EN DS
➔			A/C-24	Airport moving map and own aircraft position display in cockpit.	Airport moving map and own aircraft position display in cockpit.	STK OI EN DS
➔			A/C-25	Airborne Traffic Situational Awareness to support surface operations (ATSA-SURF), including reception (ADS-B in), processing and display	This enabler ensures that the airborne traffic situational awareness surface operations (ATSA...	STK OI EN
➔			REG-0200	Safety Targets in Relation to Reductions of Runway Incursions	Formal requirements for safety targets in relation to reductions of runway incursions to be met...	OI