

Deployment Scenario Title	Airborne spacing flight deck interval management
Deployment Scenario Description	-
Essential Operational Change	Trajectory Based Operations
Maturity	Additional R&D Activities in development

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

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	
APP, ENR				Scheduled, BA Fixed, BA Rotorcraft, GA	Transport, Fighter	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.01-05	Airborne Spacing Flight Deck Interval Management	Airborne spacing flight deck interval management refers to new ASAS spacing interval management...	<span style="background-color: red; color: white; padding: 2px;">SOL</span> <span style="background-color: red; color: white; padding: 2px;">PJ</span> <span style="background-color: red; color: white; padding: 2px;">OI</span> <span style="background-color: red; color: white; padding: 2px;">DS</span> <span style="background-color: green; color: white; padding: 2px;">EOC</span> <span style="background-color: blue; color: white; padding: 2px;">ICAO</span>

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
TS-0108	Airborne Spacing Flight Deck Interval management (speed/more complex route geometries) in high density environments	The ASPA-FIM application require the flight crew to achieve and maintain a given spacing (either...	<span style="background-color: red; color: white; padding: 2px;">SOL</span> <span style="background-color: red; color: white; padding: 2px;">EN</span> <span style="background-color: red; color: white; padding: 2px;">DS</span> <span style="background-color: blue; color: white; padding: 2px;">ICAO</span> <span style="background-color: blue; color: white; padding: 2px;">A+</span>

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			A/C-15b	Aircraft functions for Interval Management	On-board ASPA-FIM function to enable IM operations in which the flight crew is instructed by ATC...	STK OI EN 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
🔒			APP ATC 61	Ground functions for Interval Management	Ground functions to support the controllers to initiate, monitor and terminate Interval...	STK OI DS
🔒			ASAS-STD-02	ICAO provisions for Interval Management	ICAO provisions for the airborne surveillance application Interval Management. ICAO documents...	OI DS
🔒			HUM-002	Human factors flight crews - Interval Management	The flight crew is fully aware when temporary delegation of spacing responsibility is assigned to...	STK OI DS 👤
🔒			HUM-003	Human factors ATCOs - Interval Management	The ATCO knows exactly when to delegate spacing responsibility and to which aircraft. Adequate...	STK OI DS 👤
➔			A/C-31a	Controller pilot data link communication (CPDLC) compliant with ATN baseline 2 (FANS 3/C)	Data link exchange for ATN/VDL2 baseline 2 (FANS 3/C) i.e. for Departure Clearance,...	STK OI EN DS 📄
➔			AGDLS-STD-01	ICAO provisions for CPDLC for IM	ICAO provisions for CPDLC supporting Interval Management (optional) (Doc 10037 - GOLD Manual for...	OI EN 📄
➔			AGDLS-STD-01	ICAO provisions for CPDLC for IM	ICAO provisions for CPDLC supporting Interval Management (optional) (Doc 10037 - GOLD Manual for...	OI EN 📄
➔			APP ATC 144	CPDLC for IM - ATC	Ground functions to enable CPDLC in support of IM operations (optional).	STK OI EN