

Deployment Scenario Title	D-TAXI service for CPDLC application
Deployment Scenario Description	-
Essential Operational Change	Airport and TMA performance
Maturity	Additional SESAR Solutions in deployment

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	
TWR, APP, CNS	CNS	APT Operator	APT Operator	Scheduled, BA Fixed, BA Rotorcraft, GA, FOC	Transport, Fighter	

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
#23	D-TAXI service for CPDLC application	Use of data link communications between the Tower Controllers and the flight crew during surface...	

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
AUO-0308-A	Datalink Services used for Provision of Ground-related Clearances and Information (D-TAXI)	Exchange between Flight Crew and Controller using datalink for start-up/pushback/taxi (D-TAXI...	

Enablers						
Required/Optional	New/Inherited	Develop/Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
			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,...	

Enablers						
Required/Optional	New/Inherited	Develop/Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			REG-0100	Regulatory Provisions for Datalink Extension (DLS II)	Interoperability of data link systems, constituents and associated procedures deployed in a...	OI EN DS PCP
🔒			AERODROME-ATC-02a	Surface movement management tools updated to provide the D-TAXI information to the pilot	Workstation equipped with tools to provide the Controller with air-ground data link communication...	STK OI EN DS
🔒			REG-0100	Regulatory Provisions for Datalink Extension (DLS II)	Interoperability of data link systems, constituents and associated procedures deployed in a...	OI EN DS PCP
🔒			AERODROME-ATC-50	Advanced Airport Tower Controller Working Position (A-CWP)	Advanced Airport Tower CWP integrating updates on current HMI functionalities (Configuration,...	STK OI EN DS PCP
🔒			CTE-C02c	A/G Datalink over ATN/OSI - Multi frequency	Enhanced A/G datalink using ATN/OSI over VDL2 to support continental ATC services - ATN/OSI B1...	STK OI EN DS PCP ⚙️
🔒			REG-0100	Regulatory Provisions for Datalink Extension (DLS II)	Interoperability of data link systems, constituents and associated procedures deployed in a...	OI EN DS PCP
🔒			REG-0100	Regulatory Provisions for Datalink Extension (DLS II)	Interoperability of data link systems, constituents and associated procedures deployed in a...	OI EN DS PCP
➔			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-33a	Class B SATCOM	Description: Satellite A-G datalink in multilink or in a standalone environment, based on...	STK OI DS PCP
➔			A/C-42a	On-board graphical display of taxi clearance (up linked or via voice) using common air/ground airport database	On-board graphical display of taxi clearance (up linked or via voice) using common air/ground...	STK OI EN DS
➔			CTE-C02d	New Airport Datalink technology (AEROMACS)	New wireless technology for the Airport Datalink AEROMACS over ATN/OSI and ATN/IPS, based on IEEE...	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-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 📄
➔			A/C-42a	On-board graphical display of taxi clearance (up linked or via voice) using common air/ground airport database	On-board graphical display of taxi clearance (up linked or via voice) using common air/ground...	STK OI EN DS

