

Deployment Scenario Title	ATC and AFIS service in a single low density aerodrome from a remote CWP
Deployment Scenario Description	-
Essential Operational Change	Virtualisation of Service Provision
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, CNS	TWR, CNS					

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
#71	ATC and AFIS service in a single low density aerodrome from a remote CWP	The Remote Tower concept enables Air Traffic Control services (ATS) and Aerodrome Flight...	<div> <div>SOL</div> <div>OI</div> <div>OBJ</div> <div>DS</div> <div>EOC</div> </div> <div>ICAO</div>

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
SDM-0201	Remotely Provided Air Traffic Service for Single Aerodrome	Aerodrome Control Service or Aerodrome Flight Information Service for an aerodrome is provided...	<div> <div>SOL</div> <div>OI</div> <div>EN</div> <div>OBJ</div> <div>DS</div> </div> <div>ICAO</div>

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			AERODROME-ATC-52	Provide Remote Tower Controller position with visual reproduction of both remotod aerodrome views and other sensor data.	Remote Tower Controller position that gives a more complete awareness of vehicles, aircraft...	STK OI EN DS
🔒			REG-0509	Regulatory Provisions for the harmonised deployment of Remote Towers Operations (for a single aerodrome)	Referred to EASA RMT.0624	OI EN DS
🔒			AERODROME-ATC-53	Remote Tower controller position enhanced with additional sources for low visibility conditions	The visual reproduction can be overlaid with information from additional sources if available. ...	STK OI EN DS
🔒			REG-0509	Regulatory Provisions for the harmonised deployment of Remote Towers Operations (for a single aerodrome)	Referred to EASA RMT.0624	OI EN DS
🔒			CTE-S02d	Video Based Surveillance	The camera sensor (visual or infrared) provides 25 frames per second of video data. Video Based...	STK OI EN DS ⚙️
🔒			REG-0509	Regulatory Provisions for the harmonised deployment of Remote Towers Operations (for a single aerodrome)	Referred to EASA RMT.0624	OI EN DS
➔			CTE-C05a	VoIP for ground telephony	Voice over IP (VoIP), based on ED137B VOL2:TELEPHONY, is deployed for ATM ground telephony...	STK OI EN OBJ DS PCP ⚙️
➔			CTE-C05b	Digital Voice / VoIP for ground segment of Air-Ground voice	Voice over IP (VoIP), based on ED137B VOL1:RADIO, is deployed for the Ground-Ground segment of...	STK OI EN OBJ DS PCP ⚙️