

Deployment Scenario Title	Advanced automated MET system
Deployment Scenario Description	-
Essential Operational Change	Digital AIM and MET Services
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	
TWR, MET	TWR	APT Operator	APT Operator			

SESAR Solutions			
Solution Code	Solution Title	Solution Description	Related Elements
PJ.05-05	Advanced Automated MET System	Advanced Automated MET System will significantly enhance current possibilities of automated...	<b>PJ</b> <b>OI</b> <b>DS</b> <b>EOC</b>

Operational Improvement Steps			
OI Step Code	OI Step Title	OI Step Description	Related Elements
POI-0001-MET	Improved Weather Awareness through Enhanced Automated MET observation	Weather Awareness is improved through Enhanced Automated MET capabilities that will significantly...	<b>SOL</b> <b>EN</b> <b>DS</b>

Enablers						
Required/ Optional	New/ Inherited	Develop/ Use	Enabler Code	Enabler Title	Enabler Description	Related Elements
🔒			AERODROME-ATC-92	Real-time Airport Weather Observation service with Artificial Intelligence algorithms	ATM-MET sub-system targeting to mitigate drawbacks in real-time airport weather monitoring....	STK OI DS
🔒			HUM-020	MET Observer	MET Observer is responsible for regular observation of current weather situation at the airport...	STK OI DS
🔒			METEO-10a	VIS Camera for visibility measurement and cloud monitoring	VIS camera imagery supports MET observer especially in observation of cloud cover (in daylight),...	STK OI DS
🔒			METEO-10b	IR Camera for cloud monitoring	IR camera imagery supports MET observer especially in observation of cloud cover during night and...	STK OI DS