

Appendix 1 – List of services covering Regulation (EU) No. 716/2014

This Appendix contains a list of services that provide partial coverage of the Commission Implementing Regulation (EU) No 716/2014. It links the information exchanges listed in the regulation to the services developed in the context of SESAR 1 or to the services deployed or planned by NM, where applicable. The list is based on an interpretation of the PCP. It is compiled as guidance for stakeholders.

These services are considered a starting point for PCP coverage in AF5. Note that it lies in the nature of SWIM that the service definitions will evolve through SWIM Governance based on stakeholder requirements. Thus adaptations of the service implementations could be needed.

Information exchange requirement stated in PCP	DP 2016 Family	Service resulting from SESAR 1	NM B2B service in Release 20 / NM B2B service in the NM Roadmap (Release 21 - 2017, Release 22 - 2018)
AIM Domain			
Notification of the activation of an Airspace Reservation/Restriction (ARES)	#5.3.1 #3.1.1/2/3	ARES Activation	
Notification of the de-activation of an Airspace Reservation/Restriction (ARES)	#5.3.1 #3.1.1/2/3	ARES Deactivation	
Pre-notification of the activation of an Airspace Reservation/Restriction (ARES)	#5.3.1 #3.1.1/2/3	ARES Preactivation	
Notification of the release of an Airspace Reservation/Restriction (ARES)	#5.3.1 #3.1.1/2/3	ARES Release	
Query Airspace Reservation/Restriction (ARES) information	#5.3.1 #3.1.1/2/3	ARES Query	
Airspace Usage Plans (AUP, UUP) - ASM level 1, 2 and 3	#5.3.1 #3.1.1/2/3		ASM Level 1 part 1: Airspace/Airspace Structure already available
			ASM Level 2 fully covered by Airspace/Airspace Availability services
			ASM Level 1 part 2: Event Planning service planned for Release 22 ASM level 3 planned for Release 22
Provides aeronautical information feature on request. Filtering possible by feature type, name and an advanced filter with spatial, temporal and logical operators.	#5.3.1 #1.2.2	Aeronautical Information Feature	
Provide Aerodrome mapping data	#5.3.1 #1.2.2	Aerodrome Map Information	
D-Notams	#5.3.1		

Information exchange requirement stated in PCP	DP 2016 Family	Service resulting from SESAR 1	NM B2B service in Release 20 / NM B2B service in the NM Roadmap (Release 21 - 2017, Release 22 - 2018)
MET Domain			
Meteorological prediction of the weather at the airport concerned, at a small interval in the future: - wind speed and direction - the air temperature - the altimeter pressure setting - the runway visual range (RVR)	#5.4.1	AirportMETNowcast ⁴³ (ICAOMETLocalReport) (METAR) (TAF)	
Provide Volcanic Ash Mass Concentration	#5.4.1	VAMCInformation ⁴⁴	
Specific MET info feature service	#5.4.1	⁴⁵	
Winds aloft information service	#5.4.1	MET Gridded Forecast	
Meteorological information supporting <u>Aerodrome ATC & Airport Landside process or aids</u> involving the relevant MET information, translation processes to derive constraints for weather and converting this information in an ATM impact. The system capability mainly targets a "time to decision" horizon between 20 minutes and 7 days.	#5.4.1	SNOWTAM METAR ICAOMETLocalReport AirportMETObservation AirportMETForecast AirportMETNowcast TAF AirportMETAlert AirportMETInducedCapacityReduction	
Meteorological information supporting <u>En Route / Approach ATC process or aids</u> involving the relevant MET information, translation processes to derive constraints for weather and converting this information in an ATM impact. The system capability mainly targets a "time to decision" horizon between 20 minutes and 7 days.	#5.4.1	METHazardEnrouteForecast METHazardEnrouteObservation MET Gridded Forecast	

⁴³ Only the AirportMETNowcast service covers all the parameters mentioned in the regulation. Note that EUMETNET does not use Nowcasts anymore, so the service might be replaced.

⁴⁴ This service has only been identified and was not implemented

⁴⁵ While the *Specific MET Info Feature* service is mentioned explicitly in the regulation, it overlaps with the 3 generic MET information categories below.



Information exchange requirement stated in PCP	DP 2016 Family	Service resulting from SESAR 1	NM B2B service in Release 20 / NM B2B service in the NM Roadmap (Release 21 - 2017, Release 22 - 2018)
MET Domain			
<p>Meteorological information supporting <u>Network Information Management</u> process or aids involving the relevant MET information, translation processes to derive constraints for weather and converting this information in an ATM impact.</p> <p>The system capability mainly targets a "time to decision" horizon between 20 minutes and 7 days.</p>	#5.4.1	SNOWTAM METAR ICAOMETLocalReport AirportMETObservation AirportMETForecast AirportMETNowcast TAF AirportMETAlert METHazardEnrouteForecast METHazardEnrouteObservation MET Gridded Forecast	

Information exchange requirement stated in PCP	DP 2016 Family	Service resulting from SESAR 1	NM B2B service in Release 20 / NM B2B service in the NM Roadmap (Release 21 - 2017, Release 22 - 2018)
Network Domain			
Regulations	#5.5.1		Flow/Measures/Regulations provide read access to regulations Services for write access to regulations planned for Release 20.5 Services for scenarios planned for Release 21 Services for reroutings planned for Release 21
Slots	#5.5.1		ATFM slot data exchange services planned for Release 22
Short term ATFCM measures (STAM) -- see also AF #4.1.1	#5.5.1 #4.1.1/2		Planned for Release 21
ATFCM congestion points	#5.5.1		Planned for Release 22
Restrictions	#5.5.1		Airspace/AirspaceStructure/Restrictions feature
Network and En-Route Approach Operation Plans	#5.5.1		Airspace/AirspaceStructure/ - Sector Configuration Plan - Runway Configuration Plan - OTMV Plan - Capacity Plan - Traffic Volume Activation Plan
			Network Events planned for Release 22
Maximum airport capacity based on current and near-term weather	#5.5.1	Airport MET Induced Capacity Reduction	
AOP NOP synchronisation	#5.5.1 #4.2.4 #2.1.3 #2.1.4		Flight/Flight Management/DPI ⁴⁶ services
			Arrival Planning Information, Extended Departure Planning Information, AOP strategic plan services are planned for Release 22
Airspace Structure, Availability and Utilisation	#5.5.1		Airspace/AirspaceStructure
			Airspace/AirspaceAvailability

⁴⁶ These services are considered to be a starting point. It will evolve based on AF2 (family 2.1.4 Initial AOP) and AF4 (family 4.2.2 Interactive Rolling NOP and family 4.2.4 AOP-NOP Information Sharing).

Information exchange requirement stated in PCP	DP 2016 Family	Service resulting from SESAR 1	NM B2B service in Release 20 / NM B2B service in the NM Roadmap (Release 21 - 2017, Release 22 - 2018)
Flight Domain			
Various operations on a flight object: Acknowledge reception, Acknowledge agreement to FO, End subscription of a FO distribution, Subscribe to FO distribution, Modify FO constraints, Modify route, Set arrival runway, Update coordination related information, Modify SSR code, Set STAR, Skip ATSU in coordination dialogue.	#5.6.2	ATC Flight Object Control	
Share Flight Object information. Flight Object includes the flight script composed of the ATC constraints and the 4D trajectory.	#5.6.2	Shared Flight Object	
Validate flight plan and routes	#5.6.1		Flight/FlightPreparation services available in ICAO 2012 format and EFPL format FIXM 4.0 services planned for Release 21
Flight plans, 4D trajectory, flight performance data, flight status	#5.6.1 #4.2.3		Flight/FlightFiling services in ICAO 2012 format EFPL format services are in OPS pilot phase
Flights lists and detailed flight data	#5.6.1		Flight/FlightManagement services
Flight update message related (departure information)	#5.6.1		Flight update messages Flight/Flight Management/DPI services
Link to other AF			
Arrival constraints exchange between ATS Units	#1.1.2	Arrival Management Information	
		Departure Planning Information	
ADS EPP downlink and distribution	#6.1.1	Report Aircraft Trajectory	
		Shared Flight Object	



Funded by the
European Union

www.sesardeploymentmanager.eu