SE	SAR				Active				Mı	ulti-N
ATC15.1				Information	n Exchange	with En-ro	ute in Supp	ort of AMAI	N	
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

Implement, in en-route operations in selected ACCs, information exchange mechanisms, tools and procedures in support of basic AMAN operations in adjacent ACCs and/or subjacent TMAs (including, where relevant, support for AMAN operations involving airports located in adjacent ATSUs).

NOTE FOR MILITARY AUTHORITIES: It is the responsibility of each military authority to review this Objective IN ITS ENTIRETY and address each of the SLoAs that the military authority considers RELEVANT for itself. This has to be done on top and above of the review of "MIL" SLoAs which identify actions EXCLUSIVE to military authorities.

Applicabili	ty Area			AC+ States excellia, Luxembourg						
Timescales	s:				From:	By:	Арр	olicable to	o:	
Initial opera	tional capability				01/01/2012		App	licability A	∖rea	
Full operation	onal capability					31/12/2019	App	licability A	∖rea	
				Re	ferences					
European	ATM Master	Plan								
Ol step -	[TS-0305]-A	rrival Management	Extende	ed to En-Route	<u>Airspace</u>					
	Enablers -	ER APP ATC HUI	IM-TS-0	305 PRO-05	2					
Legend:	WXYZ-001	Covered by SLoA this objective	A(s) in	WXYZ-002 zzz	•	SLoA(s) in an		bjective	WXYZ- 003	 vered in the nentation Plar
-none- Essential	e legislation Operational (
-none- Essential Fully Dyna	Operational (
-none- Essential Fully Dyna	Operational (mic and Optimis									
-none- Essential Fully Dyna SESAR So ICAO GAI	Operational (mic and Optimis	ed Airspace								
-none- Essential Fully Dyna SESAR So ICAO GAI	Operational (mic and Optimis olution NP - ASBUs	ed Airspace								
-none- Essential Fully Dyna SESAR So ICAO GAI - none - Deployme - none -	Operational (mic and Optimis olution NP - ASBUs	ed Airspace								
-none- Essential Fully Dyna SESAR So CAO GAI - none - Deployme - none -	Operational (mic and Optimis olution NP - ASBUs ent Programm	ed Airspace								
-none- Essential Fully Dyna SESAR So ICAO GAI - none - Deployme - none - European - none -	Operational (mic and Optimis olution NP - ASBUs ent Programm	ne ation Safety								
-none- Essential Fully Dyna SESAR So ICAO GAI - none - Deployme - none - European - none -	Operational (mic and Optimis olution NP - ASBUs ent Programm	ne ation Safety								

Stakeholder Lines of Action (SLoAs)

From

Ву

Title

SloA ref.

ATC15.1	Information Exchange with En-route in Support of AMAN				
ATC15.1-ASP01	Develop safety assessment for the changes	01/01/2012	31/12/2019		
ATC15.1-ASP02	Adapt the ATC systems that will implement arrival management functionality in En- Route sectors in support of AMAN operations in adjacent/subjacent TMAs	01/01/2012	31/12/2019		
ATC15.1-ASP03	Implement ATC procedures in En-Route airspace/sectors that will implement AMAN information and functionality	01/01/2012	31/12/2019		
ATC15.1-ASP04	Train operational and technical staff and update Training Plans	01/01/2012	31/12/2019		
ATC15.1-ASP05	Revise and publish Aeronautical Information documents	DELETED			

Description of finalised and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/working/depl/essip_objectives

Expected Performance Benefits

Maintained or improved Safety: Improved airport/TMA capacity. Capacity:

Operational Efficiency:

Reduction of low-level holding operations and low-level tactical vectoring.

Cost Efficiency: **Environment:**

Reduction in holding and in low-level vectoring, by applying delay management at an early stage of flight, has a positive environmental effect in terms of noise and CO2 emissions. Moreover, it reduces delay and has a positive

effect on fuel burn.

N/A Security:

Detailed SLoA Descriptions

the risks; Develop safety assessment; Deliver a safety assessment report to the NSA, if new standards are applicable or if the severity class of identifier is 1 or 2. This safety assessment shall be based on fully validated/recognised method. Supporting material(s): EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Url : https://www.eurocontrol.int/tool/safety-assessment-methodology Finalisation criteria: 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs Action by: Description & purpose: Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. Finalisation criteria: 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support AMAN in adjacent/subjacent areas.		Detailed SLoA Descriptions						
Action by: Description & purpose: Description & purpose: The tasks to be done are as follows: - Conduct hazard identification, risk assessment in order to define safety objectives and safety requirements mitig the risks; - Develop safety assessment; - Deliver a safety assessment report to the NSA, if new standards are applicable or if the severity class of identific is 1 or 2. This safety assessment shall be based on fully validated/recognised method. EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 Uff: https://www.eurocontrol.int/publication/esarr4-risk-assessment-and-mitigation-atm EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Uff: https://www.eurocontrol.int/tool/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. ATC15.1-ASP02 ATC15.1-ASP02 ANS Providers Description & purpose: Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of adjacent/subjacent TMAs. Supporting material(s): Uff: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Uff: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - SPEC-106 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Uff: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GuID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Uff: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GuID-176 - EUROCONTROL of Guidelines for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Uff: https://www.eu			From:	Ву:				
Description & purpose: Develop safety assessment of the changes, notably ATC systems and procedures that will implement arrival management functionality in En-Route sectors and associated procedures. The tasks to be done are as follows: - Conduct hazard identification, risk assessment in order to define safety objectives and safety requirements mitig the risks; - Develop safety assessment; - Deliver a safety assessment report to the NSA, if new standards are applicable or if the severity class of identifie is 1 or 2. This safety assessment shall be based on fully validated/recognised method. EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Url : https://www.eurocontrol.int/tool/safety-assessment-methodology (SAM) - Version 2.1 / 11/2006 Url : https://www.eurocontrol.int/tool/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. ATC15.1-ASP02 AACtion by: ANS Providers ANS Providers ANS Providers ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use or AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-speci	ATC15.1-ASP01	Develop safety assessment for the changes	01/01/2012	31/12/2019				
management functionality in En-Route sectors and associated procedures. The tasks to be done are as follows: - Conduct hazard identification, risk assessment in order to define safety objectives and safety requirements mitig the risks; - Develop safety assessment; - Deliver a safety assessment; - Deliver a safety assessment report to the NSA, if new standards are applicable or if the severity class of identifie is 1 or 2. This safety assessment shall be based on fully validated/recognised method. Supporting material(s): EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 UI: https://www.eurocontrol.in/publication/esarr-4-risk-assessment-and-mitigation-atm EUROCONTROL - In Navigation Systems Safety Assessment methodology (SAM) - Version 2.1 / 11/2006 UI: https://www.eurocontrol.in/publication/esarr-4-risk-assessment-and-mitigation-atm EUROCONTROL - AIX Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 UI: https://www.eurocontrol.in/publication/esarr-4-risk-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. ATC15.1-ASP02 ATC15.1-ASP02 ACT15.1-ASP02 ACT15.1-ASP02 ANS Providers Description & purpose: Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): EUROCONTROL - SPEC-106 - EUROCONTROL Specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 UI: https://www.eurocontrol.in/publication/eurocontrol-guidelines-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines-line-data-interchange-oldi EUROCONTROL -	Action by:	ANS Providers						
- Conduct hazard identification, risk assessment in order to define safety objectives and safety requirements mitig the risks; - Develop safety assessment; - Deliver a safety assessment report to the NSA, if new standards are applicable or if the severity class of identifie is 1 or 2. This safety assessment shall be based on fully validated/recognised method. Supporting material(s): EURCCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 Url: https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm EURCCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Url: https://www.eurocontrol.int/tool/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. ATC15.1-ASP02 ATC15.1-ASP02 AAdapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs. ACtion by: Description & purpose: ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): EURCCONTROL - SPEC-106 - EURCCONTROL Specification-line-data-interchange-oldi EURCCONTROL - GUID-176 - EURCCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EURCCONTROL - GUID-176 - EURCCONTROL Guidelines for On-Line Data Interchange-oldi EURCCONTROL - GUID-176 - EURCCONTROL Guidelines for On-Line Data Interchange-oldi EURCCONTROL - GUID-176 - EURCCONTROL Guidelines for On-Line Data Interchange in the AMAN in Adjacent/subjacent areas. 2 - ANSPs have described the level of system support and ANAN operations in En-Route	Description & purpose:			ement arrival				
the risks;		The tasks to be done are as follows:						
Is 1 or 2. This safety assessment shall be based on fully validated/recognised method.								
EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Url : https://www.eurocontrol.int/bob/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs Action by: Description & purpose: Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange-oldi ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support amage of information needed to support AMAN operations in En-Route airspace that is interfacial AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct referenc		- Deliver a safety assessment report to the NSA, if new standards are applicable or if the severity class of identified risks						
Url: https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Url: https://www.eurocontrol.int/tool/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs Action by: ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange-oldi ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support and sedined in the AMAN Information Extension to En-Route or have functionality with direct reference to the relevant comp level as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:		This safety assessment shall be based on fully validated/recognised me	thod.					
EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006 Url : https://www.eurocontrol.int/tool/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. ACT. ALCOS. Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs ACT. ANSP Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi [ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support and functionality with direct reference to the relevant comp level as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:	Supporting material(s):	i i						
Url: https://www.eurocontrol.int/tool/safety-assessment-methodology 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs Action by: ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support amages. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:		Url: https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm						
Tinalisation criteria: 1 - The safety assessment report including safety arguments for the changes has been delivered to the NSA and notification of acceptance was received. Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs Action by: ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support amages and operations in En-Route airspace that is interfacily AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:		EUROCONTROL - Air Navigation Systems Safety Assessment Methodology (SAM) - Version 2.1 / 11/2006						
Adapt the ATC systems that will implement arrival management functionality in En-Route sectors in support of AMAN operations in adjacent/subjacent TMAs Action by: ARCIONAL ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support and functionality with direct reference to the relevant comp level as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By: 1 - ATC15 1-ASD03 Implement ATC procedures in En-Route airspace/sectors that will From: By:		Url: https://www.eurocontrol.int/tool/safety-assessment-methodology						
Arction by: Arction by: Arction by: Description & purpose: Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. ATM Master Plan relationship: 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support AMAN operations in En-Route airspace that is interfacional AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:	Finalisation criteria:		nges has been delivere	d to the NSA and a				
in adjacent/subjacent TMAs ANS Providers Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi EER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. The ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacional AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:			From:	Ву:				
Implement, in selected ATC systems, the necessary functionality and information exchanges to support the use of AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Supporting material(s): EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacional AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:	ATC15.1-ASP02		01/01/2012	31/12/2019				
AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in adjacent/subjacent TMAs. Bupporting material(s): EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. I - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support he necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacional to AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:	Action by:	ANS Providers						
O7/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. I - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacional AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:	Description & purpose:	AMAN information in En-Route sectors requiring data exchange generated from AMAN systems and operations in						
EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line Data Interchange (OLDI) - Edition 1.1 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi [ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacional AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:	Supporting material(s):							
07/2020 Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-data-interchange-oldi IER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. I - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacing AMANs in adjacent/subjacent areas. I - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:		Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi						
[ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making. 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacing AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:								
relationship: 1 - ATC systems are either already compliant to AMAN use in En-Route or have functionality implemented to support the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacily AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complevel as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. Implement ATC procedures in En-Route airspace/sectors that will From: By:		Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-d	lata-interchange-oldi					
the necessary exchange of information needed to support AMAN operations in En-Route airspace that is interfacil AMANs in adjacent/subjacent areas. 2 - ANSPs have described the level of system support and functionality with direct reference to the relevant comp level as defined in the AMAN Information Extension to En-Route Sectors - Concept documentation. ATC15 1-ASP03 Implement ATC procedures in En-Route airspace/sectors that will From: By:		[ER APP ATC 111]-Enhance AMAN to provide arrival sequence time information into En-Route decision making.						
ATC15 1_ASD03	Finalisation criteria:	2 - ANSPs have described the level of system support and functionality with direct reference to the relevant complexity						
	ATC15.1-ASP03		From:	Ву:				

ATC15.1 Information Exchange with En-route in Support of AMAN	
---	--

		01/01/2012	31/12/2019			
Action by:	ANS Providers					
Description & purpose:	Define, validate and implement the necessary ATC procedures in selected En-Route airspace/sectors, to support the use of AMAN information in En-Route sectors that are interfacing with AMAN systems operating in adjacent/subjacent TMAs.					
Supporting material(s):	EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 / 07/2020					
	Url: https://www.eurocontrol.int/publication/eurocontrol-specification-line	-data-interchange-oldi				
	EUROCONTROL - GUID-176 - EUROCONTROL Guidelines for On-Line 07/2020	e Data Interchange (OLI	OI) - Edition 1.1 /			
	Url: https://www.eurocontrol.int/publication/eurocontrol-guidelines-line-d	ata-interchange-oldi				
ATM Master Plan relationship:	[PRO-052]-ATC Procedures for extending sequencing for TMA into the e	en-route sectors				
Finalisation criteria:	1 - Procedures have been implemented, documented and are in operational use. 2 - ANSPs have defined, validated and implemented procedures directly related to the relevant complexity level chosen (ref. SLoA ATC15-ASP02), as defined in the AMAN Information Extension to En-Route Sectors Concept documentation.					
		From:	Ву:			
ATC15.1-ASP04	Train operational and technical staff and update Training Plans	01/01/2012	31/12/2019			
Action by:	ANS Providers					
Description & purpose:	Train operational staff in the use of ATC procedures in En-Route airspace/sectors that will implement AMAN information and functionality in support of AMAN in adjacent/subjacent TMAs. The tasks to be done are as follows: - Develop a training package (material); - Update the training plans; - Determine staff population to be trained; - Apply the training plans.					
Finalisation criteria:	1 - The training plans have been updated and a training package has be2 - All concerned personnel have been trained.	en developed by the AN	ISP.			