SES	AR		Achieved APT						\PT	
AOI	P09			Implemer	nt Optimise	d Depende	nt Parallel C	Operations		
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

## Subject matter and scope

The purpose of this operational change is to increase utilisation of the parallel runway operations. It aims at reducing dependencies between the runways by implementing more accurate surveillance techniques and controller tools as well as associated procedures.

Capacity gains can be achieved by increased utilisation of the combined runways. Dependencies between multiple runways determine the practical runway capacity which in most cases is lower than the combined single runway capacities.

APP AREA		See	list of airports in	MP Level 3 Im	plementation	n Plan - Annexes		
Timescale	s:			From:	By:	Applicable t	o:	
Initial opera	tional capability			01/12/2012				
Full operati	onal capability				31/12/201	15		
			R	eferences				
European	ATM Master	Plan						
OI step -	[AO-0403]-C	Optimised Dependent Pa	rallel Operations					
	Enablers -	A/C-48 PRO-	067					
								ı
Legend:	WXYZ-001	Covered by SLoA(s) in this objective	WXYZ-002 zzz	Covered by Objective co		another objective enabler	WXYZ- 003	Not covered in the Implementation Plan
Applicabl	e legislation							
		EU) No 1034/2011 of 17 N° 691/2010 18-10-201		safety oversig	ht in air traf	fic management a	nd air naviga	tion services and
amonamy	regulation (EO)	14 031/2010 10 10 201	1					
J	Operational (		1					
J	<u> </u>		ı					
Essential	Operational (		1					
Essential - none - SESAR S	Operational (		1					
Essential - none - SESAR S	Operational (							
Essential - none - SESAR S ICAO GAI	Operational (	Changes						
Essential - none - SESAR S ICAO GAI	Operational ( olution	Changes						
Essential - none - SESAR S ICAO GAI - none - Deployme - none -	Operational ( olution	Changes						
Essential - none - SESAR S ICAO GAI - none - Deployme - none -	Operational ( olution  NP - ASBUs  ent Programm	Changes						
Essential - none - SESAR S ICAO GAI - none - Deployme - none -	Operational ( olution  NP - ASBUs  ent Programm	ne ntion Safety						

From

Title

SloA ref.

AOP09	Implement Optimised Dependent Parallel C	perations	
AOP09-REG01	Approve the procedures for optimised dependant parallel operations	01/01/2012	31/12/2015
AOP09-REG02	Conduct safety oversight of the changes	01/01/2012	31/12/2015
AOP09-REG03	Certify and deliver operational approval	01/01/2012	31/12/2015
AOP09-ASP01	Upgrade and put into service surveillance systems to support optimised dependent parallel operations	01/01/2012	31/12/2015
AOP09-ASP02	Upgrade and put into service ATS systems to support optimised dependent parallel operations	01/01/2012	31/12/2015
AOP09-ASP03	Develop and validate procedures for optimised dependant parallel operations	01/01/2012	31/12/2015
AOP09-ASP04	Develop safety assessment for the changes	01/01/2012	31/12/2015
AOP09-ASP05	Train operational and technical staff	01/01/2012	31/12/2015
AOP09-ASP06	Revise and publish Aeronautical Information documents	01/01/2012	31/12/2015
AOP09-USE01	Obtain airworthiness certification	01/01/2012	31/12/2015
AOP09-USE02	Obtain operational approval	01/01/2012	31/12/2015
AOP09-USE03	Update training manual and train crew	01/01/2012	31/12/2015
Description of finalise	and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/worl	king/denl/essin o	hiectives

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

## **Expected Performance Benefits**

Safety: N/A

Capacity: Increased runway utilisation

Operational Efficiency:

Cost Efficiency:

Environment:

N/A

Security:

N/A

**Detailed SLoA Descriptions** 

	Detailed SLOA Descriptions				
4 O DOO DE CO4	Approve the procedures for optimised dependant parallel	From:	By:		
AOP09-REG01	operations	01/01/2012	31/12/2015		
Action by:	National Supervisory Authorities (NSAs)				
Description & purpose:	Approve the procedures for optimised dependant parallel operations pr The tasks to be done are as follows:  - Analyse the specified procedure;  - Review available validation data and information;  - Prepare relevant information for the publication.  These procedures shall comply with the relevant requirements specified.  This procedure shall be used in the operational environment as specified.	d in the ICAO doc 96	43 and ICAO PANS OPS.		
Supporting material(s):	ICAO - Doc 4444 - Air Traffic Management - Edition 16 / 11/2016				
	Url: https://store.icao.int/				
	ICAO - Doc 9906-Volume 1 - Quality Assurance Manual for Flight Procedure Design - Volume 1 - Flight Procedure Design Quality Assurance System - Edition 1 / 12/2009				
	Url: https://store.icao.int/				
Finalisation criteria:	0 - Formal approval of the procedures for optimised dependant parallel	operations has beer	delivered to ANSP.		
		From:	Ву:		
AOP09-REG02	Conduct safety oversight of the changes	01/01/2012	31/12/2015		
Action by:	National Supervisory Authorities (NSAs)	-			
Description & purpose:	Oversee safety of changes induced by introduction of optimised depends follows:  - Analyse the safety case;  - Review safety arguments;  - Prepare the material for the acceptance of changes.	dant parallel operatio	ons. The tasks to be done are		

<u> </u>	•				
EUROCAE - ED-126 - Safety, Performance and Interoperability Requirements Document for ADS-B-NRA Application 12/2006					
Url: https://eshop.eurocae.net/eurocae-documents-and-reports					
EUROCAE - ED-161 - Safety, Performance and Interoperability Requirements Document for ADS-B-RAD Application 09/2009					
Url: https://eshop.eurocae.net/eurocae-documents-and-reports					
EUROCAE - ED-163 - Safety, Performance and Interoperability Require Surveillance Application (ADS-B-APT) 12/2010	ments Document for A	DS-B Airport Surface			
Url : https://eshop.eurocae.net/eurocae-documents-and-reports					
EUROCONTROL - EAM 4/GUI 2 - ESARR 4 and related Safety Oversig	ht - Edition 4.0 / 03/200	06			
Url: http://www.eurocontrol.int/articles/esarr-4-risk-assessment-and-miti	gation-atm				
1 - Formal acceptance by the NSA of the proposed changes communication	ited to ANSP.				
	From:	Ву:			
Certify and deliver operational approval	01/01/2012	31/12/2015			
National Supervisory Authorities (NSAs)					
<ul> <li>Instruction of the certification application file delivered by the applicant process;</li> <li>Approval of pertinent training programs, checklists, operations manuals minimum equipment lists or other pertinent documents or document revi</li> <li>The requirements for certification and operation of ADS-B within the EU</li> </ul>	in accordance with the s or training manuals, n sions applicable to that	appropriate certification naintenance programs, operator.			
EUROCAE - ED-102A - Minimum Operational Performance Specification					
Url: https://eshop.eurocae.net/eurocae-documents-and-reports					
Operational approval is delivered to aircraft operators having submitt authority.		quired by the competent			
2 - Airworthiness certification is provided for ADS-B 1090 MHz out equip	Deu all'Clait.				
2 - Airworthiness certification is provided for ADS-B 1090 MHz out equip	From:	By:			
2 - Airworthiness certification is provided for ADS-B 1090 MHz out equip  Upgrade and put into service surveillance systems to support optimised dependent parallel operations		By: 31/12/2015			
Upgrade and put into service surveillance systems to support	From:				
	12/2006  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EUROCAE - ED-161 - Safety, Performance and Interoperability Require 09/2009  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EUROCAE - ED-163 - Safety, Performance and Interoperability Require Surveillance Application (ADS-B-APT) 12/2010  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EUROCONTROL - EAM 4/GUI 2 - ESARR 4 and related Safety Oversig Url: http://www.eurocontrol.int/articles/esarr-4-risk-assessment-and-miti  1 - Formal acceptance by the NSA of the proposed changes communicae  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval  National Supervisory Authorities (NSAs)  Certify and deliver operational approval of ADS-B 1090 MHz out equipped 10-10-10-10-10-10-10-10-10-10-10-10-10-1	12/2006 Url: https://eshop.eurocae.net/eurocae-documents-and-reports EUROCAE - ED-161 - Safety, Performance and Interoperability Requirements Document for Al 09/2009 Url: https://eshop.eurocae.net/eurocae-documents-and-reports EUROCAE - ED-163 - Safety, Performance and Interoperability Requirements Document for Al Surveillance Application (ADS-B-APT) 12/2010 Url: https://eshop.eurocae.net/eurocae-documents-and-reports EUROCONTROL - EAM 4/GUI 2 - ESARR 4 and related Safety Oversight - Edition 4.0 / 03/2000 Url: http://www.eurocontrol.int/articles/esarr-4-risk-assessment-and-mitigation-atm 1 - Formal acceptance by the NSA of the proposed changes communicated to ANSP.  Certify and deliver operational approval  National Supervisory Authorities (NSAs) Certify and deliver operational approval for ADS-B 1090 MHz out equipped aircraft. The tasks to Instruction of the certification application file delivered by the applicant in accordance with the process; - Approval of pertinent training programs, checklists, operations manuals or training manuals, minimum equipment lists or other pertinent documents or document revisions applicable to that The requirements for certification and operation of ADS-B within the EU Member States, Norwa covered in EU-OPS 1.  EUROCAE - ED-102A - Minimum Operational Performance Specification for 1090 MHz Extend Dependant Surveillance - Broadcast (ADS-B) & Traffic Information Services - Broadcast (TIS-B 01/2012 Url: https://eshop.eurocae.net/eurocae-documents-and-reports 1 - Operational approval is delivered to aircraft operators having submitted an application as reauthority.			

**Implement Optimised Dependent Parallel Operations** 

AOP09

AOP09	Implement Optimised Dependent Parallel Operations				
Supporting material(s):	EUROCAE - ED-126 - Safety, Performance and Interoperability Require 12/2006	ments Document for A	DS-B-NRA Application		
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports				
	EUROCAE - ED-161 - Safety, Performance and Interoperability Require 09/2009	ments Document for A	DS-B-RAD Application		
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports				
	EUROCAE - ED-163 - Safety, Performance and Interoperability Require Surveillance Application (ADS-B-APT) 12/2010	ments Document for A	DS-B Airport Surface		
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports				
	EUROCAE - ED-102A - Minimum Operational Performance Specification for 1090 MHz Extended Squitter Automatic Dependant Surveillance - Broadcast (ADS-B) & Traffic Information Services - Broadcast (TIS-B) with Corrigendum 1 01/2012				
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports				
	ETSI - EN 303 213-1 - Advanced Surface Movement Guidance and Cor Part 1: A-SMGCS Level 1 including external interfaces;				
	Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 - Ver. 2.1.1 / 06/2020				
	Url: http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp				
	ETSI - EN 303 213-2 - Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 2: Level 2 including external interfaces; Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 - Ver. 2.1.1 / 06/2020				
	Url : http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp				
	ETSI - EN 303 213-3 - Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 3: Deployed cooperative sensor including its interfaces; Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 - Ver. 2.1.1 / 06/2020				
	Url : http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp				
	ETSI - EN 303 213-4-1 - Advanced Surface Movement Guidance and C Part 4: Deployed non-cooperative sensor including its interfaces; Sub-part 1: Generic requirements for non-cooperative sensor; Community Specification for application under the Single European Sky 2.1.1. / 09/2020	•	,		
	Url : http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp				
	EUROCONTROL - Mode S Transponder in an Airport/A-SMGCS Environment - Edition 1.1 / 05/2005				
	Url: https://www.eurocontrol.int/articles/advanced-surface-movement-guidance-and-control-systems-smgcs				
Finalisation criteria:	The surveillance systems upgraded.     For EU+ States: For the surveillance system, the technical file (TF) with of verification of systems (DoV) has been delivered to the National Supe Note: For states where Regulation (EC) No 552/2004 on the interoperat network does not apply, ANSPs should apply compliance procedures as 2 - The surveillance systems put into operation.	ervisory Authority (NSA cility of the European A	). ir Traffic Management		
40000 40000	Upgrade and put into service ATS systems to support optimised	From:	Ву:		
AOP09-ASP02	dependent parallel operations	01/01/2012	31/12/2015		
Action by:	ANS Providers		<u>'</u>		
Description & purpose:	Upgrade and put into service ATS systems to allow the deployment of s -References- section. The tasks to be done are as follows:  - Define requirements which fit with local operational/technical context a - Upgrade ATS systems to comply with defined requirements;  - Upgrade operator HMI to comply with defined requirements;  - Verify compliance with Interoperability Regulation(s);  - Integrate upgraded ATS systems into the EATM Network;  - Put into service upgraded ATS systems.				
	The upgraded ATS systems and their HMI shall enable the operators to dependant parallel operations procedures.	perform the operations	defined in optimised		

AOP09	Implement Optimised Dependent Parallel Operations				
Supporting material(s):	EUROCAE - ED-126 - Safety, Performance and Interoperability Requir 12/2006	ements Document fo	or ADS-B-NRA Application		
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports				
	EUROCAE - ED-161 - Safety, Performance and Interoperability Requirements Document for ADS-B-RAD Application 09/2009				
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports				
	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependant Surveillance - Broadcast (ADS-B) & Traffic Information Serve 01/2012				
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports				
	ETSI - EN 303 213-1 - Advanced Surface Movement Guidance and Co Part 1: A-SMGCS Level 1 including external interfaces; Community Specification for application under the Single European Sky 2.1.1 / 06/2020				
	Url: http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp	)			
	ETSI - EN 303 213-2 - Advanced Surface Movement Guidance and Co Part 2: Level 2 including external interfaces;	ntrol System (A-SM			
	Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 - Ver. 2.1.1 / 06/2020				
	Url: http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp	2			
	ETSI - EN 303 213-3 - Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 3: Deployed cooperative sensor including its interfaces; Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 - Ver. 2.1.1 / 06/2020				
	Url: http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp				
	ETSI - EN 303 213-4-1 - Advanced Surface Movement Guidance and Control System (A-SMGCS); Part 4: Deployed non-cooperative sensor including its interfaces; Sub-part 1: Generic requirements for non-cooperative sensor; Community Specification for application under the Single European Sky Interoperability Regulation EC 552/2004 - Ver. 2.1.1. / 09/2020				
	Url: http://webapp.etsi.org/workprogram/SimpleSearch/QueryForm.asp				
	EUROCONTROL - Mode S Transponder in an Airport/A-SMGCS Environment - Edition 1.1 / 05/2005				
	Url: https://www.eurocontrol.int/articles/advanced-surface-movement-g	uidance-and-control	-systems-smgcs		
inalisation criteria:	1 - ATS systems upgraded. For EU+ States, the technical file (TF) with evidences of compliance an (DoV) has been delivered to the competent National Supervisory Author Note: For states where Regulation (EC) No 552/2004 on the interopera network does not apply, ANSPs should apply compliance procedures a 2 - Upgraded ATS systems put into service.	sory Authority (NSA). interoperability of the European Air Traffic Manageme			
	Develop and validate procedures for optimised dependant	From:	By:		
AOP09-ASP03	parallel operations	01/01/2012	31/12/2015		
ction by:	ANS Providers	'	'		
	ANS Providers  Design and develop procedures for optimised dependant parallel opera	itions.	<u>'</u>		
	Design and develop procedures for optimised dependant parallel operare necessary material to undertake required validation of the procedures.	cedures	nal Supervisory Authority.		
escription & purpose:	Design and develop procedures for optimised dependant parallel opera	cedures	nal Supervisory Authority.		
escription & purpose:	Design and develop procedures for optimised dependant parallel operation of the procedure and validate the established procedures and provide relevant results.	cedures	nal Supervisory Authority.		
escription & purpose:	Design and develop procedures for optimised dependant parallel operation of the procedure required validation of the procedure and validate the established procedures and provide relevant resultance in the procedure of the proc	edures olts/data to the Nation			
escription & purpose: upporting material(s):	Design and develop procedures for optimised dependant parallel operation of the procedure prepare necessary material to undertake required validation of the procedures and validate the established procedures and provide relevant resultance in the procedure of t	edures ilts/data to the Nation edure Design - Volun			
escription & purpose:  upporting material(s):	Design and develop procedures for optimised dependant parallel operation of the procedure required validation of the procedure and validate the established procedures and provide relevant resultance in the procedure of the proc	edures ilts/data to the Nation edure Design - Volun			
escription & purpose: upporting material(s):  TM Master Planelationship:	Design and develop procedures for optimised dependant parallel operation of the procedure prepare necessary material to undertake required validation of the procedures and validate the established procedures and provide relevant resultance in the procedure of t	edures alts/data to the Nation edure Design - Volun rallel runways	me 1 - Flight Procedure		
escription & purpose:  supporting material(s):  TM Master Planelationship: inalisation criteria:  AOP09-ASP04	Design and develop procedures for optimised dependant parallel operar Prepare necessary material to undertake required validation of the procedures and validate the established procedures and provide relevant resultance ICAO - Doc 4444 - Air Traffic Management - Edition 16 / 11/2016  Url: https://store.icao.int/ ICAO - Doc 9906-Volume 1 - Quality Assurance Manual for Flight Procedures Quality Assurance System - Edition 1 / 12/2009  Url: https://store.icao.int/ [PRO-067]-ATC Procedures for optimising operations on dependent pages	edures alts/data to the Nation edure Design - Volun rallel runways	me 1 - Flight Procedure		

7.0.00	miplomont optimious population				
Description & purpose:	Develop safety assessment of the changes, notably upgrades of A				
	procedures for optimised dependant parallel operations. The tasks to be done are as follows:  - Conduct hazard identification, risk assessment in order to define safety objectives and safety requirements mitigating the risks;  - Develop safety assessment;				
	- Develop safety assessment; - Deliver safety assessment to the NSA, if new standards are applicable or if the severity class of identified risks is 1 or 2.				
	This safety assessment shall be based on fully validated/recognise	d method.			
Supporting material(s):	EUROCAE - ED-126 - Safety, Performance and Interoperability Re 12/2006	quirements Document fo	or ADS-B-NRA Application		
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports EUROCAE - ED-161 - Safety, Performance and Interoperability Re 09/2009	quirements Document fo	or ADS-B-RAD Application		
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports				
	EUROCONTROL - EAM 4/GUI 2 - ESARR 4 and related Safety Ov	ersight - Edition 4.0 / 03	/2006		
	Url: http://www.eurocontrol.int/articles/esarr-4-risk-assessment-and	d-mitigation-atm			
inalisation criteria:	1 - Safety assessment report including safety arguments for the cha	anges submitted to the N	ISA.		
		From:	Ву:		
AOP09-ASP05	Train operational and technical staff	01/01/2012	31/12/2015		
ction by:	ANS Providers				
Description & purpose:	Train aerodrome control staff (tower runway controller and tower gr parallel operations procedures for the provision of aerodrome contr Train technical staff to supervise and maintain the upgraded surveil The tasks to be done are as follows:  - Develop training package (material);  - Update training plans;  - Determine staff population to be trained;  - Apply the training plan.	ol services.	se of optimised dependant		
Supporting material(s):	EUROCONTROL - EAM 5/GUI 3 - Explanatory Material on ESARR 5 Requirements for Engineers and Technical Personnel - Edition 2.0 / 02/2006				
	Url: http://www.eurocontrol.int/articles/esarr-5-atm-services-person				
	EUROCONTROL - Airport CDM Implementation Manual - Edition 5				
	Url: https://www.eurocontrol.int/sites/default/files/publication/files/ai	·	<u>.PDF</u>		
inalisation criteria:	<ul><li>0 The training plan and package have been developed by the Al</li><li>- All concerned personnel have been trained.</li></ul>	NSP.			
		From:	Ву:		
AOP09-ASP06	Revise and publish Aeronautical Information documents	01/01/2012	31/12/2015		
action by:	ANS Providers		l l		
Description & purpose:	Revise and publish Aeronautical Information documents regarding parallel operations. The tasks to be done are as follows: - Prepare necessary material for publication in AIP; - Publish relevant sections of AIP accordingly.	the use of procedures fo	r optimised dependant		
supporting material(s):	ICAO - Doc 8126 - Aeronautical Information Services Manual - Edit	ion 6 / 09/2009			
	Url: <a href="https://store.icao.int/">https://store.icao.int/</a> EUROCONTROL - SPEC-146 - EUROCONTROL Specification for the Electronic Aeronautical Information Publication (eAIP) - Edition 2.1 / 10/2015				
	Url: https://www.eurocontrol.int/publication/eurocontrol-specification	n-electronic-aeronautica	l-information-publication-ea		
inalisation criteria:	1 - AIC and AIP has been published taking due account of the impa	act of this deployment.			
AOP09-USE01	Obtain airworthiness certification	From: 01/01/2012	By: 31/12/2015		
action by:	Airspace Users				
Description & purpose:	Obtain airworthiness certification and operational approval for ADS	-B 1090 MHz out equipp	ed aircraft.		
	Obtain airworthiness certificate for the airframes equipped with ADS ETSO-C166a.				

**Implement Optimised Dependent Parallel Operations** 

AOP09

AOP09	Implement Optimised Dependent Parallel Operations				
Supporting material(s):	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependent Surveillance - Broadcast (ADS-B) & Traffic Information Serve 01/2012				
	Url: https://eshop.eurocae.net/eurocae-documents-and-reports				
	EASA - ETSO-C166a - Extended Squitter Automatic Dependent Survei Information Services (TIS-B) Equipment Operating on the Radio Freque 2008/012/R / 11/2008				
	Url: http://www.easa.europa.eu/agency-measures/certification-specificati	ations.php			
ATM Master Plan elationship:	[A/C-48a]-Air broadcast of aircraft position/vector (ADS-B OUT) complia	ant with DO260B			
Finalisation criteria:	1 - Aircraft operators receive airworthiness certificate by the National Reaircraft.	egulator, for ADS-B	1090 MHz out equipped		
4 O D 00 110 F 00	Obtain a secretical assessed	From:	By:		
AOP09-USE02	Obtain operational approval	01/01/2012	31/12/2015		
Action by:	Airspace Users	·			
	Changes to training and maintenance programmes;     Changes to manuals, operational procedures, minimum equipment lis     Other areas necessary for safe and effective ADSB use and the qualif				
Supporting material(s):	programmes, as specified by the competent authority.  Porting material(s):  EUROCAE - ED-102A - Minimum Operational Performance Specification for 1090 MHz Extended Squitter ADS-B) & Traffic Information Services - Broadcast (TIS-B) with Corrig				
,	EUROCAE - ED-102A - Minimum Operational Performance Specification		ended Squitter Automatic		
• • •	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependent Surveillance - Broadcast (ADS-B) & Traffic Information Server		ended Squitter Automatic		
	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependent Surveillance - Broadcast (ADS-B) & Traffic Information Serve 01/2012	vices - Broadcast (TI illance - Broadcast (/	ended Squitter Automatic S-B) with Corrigendum 1		
- ',	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependant Surveillance - Broadcast (ADS-B) & Traffic Information Serve 01/2012 Url: https://eshop.eurocae.net/eurocae-documents-and-reports EASA - ETSO-C166a - Extended Squitter Automatic Dependent Survein Information Services (TIS-B) Equipment Operating on the Radio Frequence.	vices - Broadcast (TI illance - Broadcast (/ ency of 1090 Megah	ended Squitter Automatic S-B) with Corrigendum 1		
	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependent Surveillance - Broadcast (ADS-B) & Traffic Information Service 101/2012  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EASA - ETSO-C166a - Extended Squitter Automatic Dependent Surveil Information Services (TIS-B) Equipment Operating on the Radio Freque 2008/012/R / 11/2008	vices - Broadcast (TI illance - Broadcast (/ ency of 1090 Megah ations.php	ended Squitter Automatic S-B) with Corrigendum 1 ADS-B) and Traffic ertz (MHz) - ED Decision		
Finalisation criteria:	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependent Surveillance - Broadcast (ADS-B) & Traffic Information Serve 01/2012  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EASA - ETSO-C166a - Extended Squitter Automatic Dependent Survein Information Services (TIS-B) Equipment Operating on the Radio Freque 2008/012/R / 11/2008  Url: http://www.easa.europa.eu/agency-measures/certification-specificat	vices - Broadcast (TI illance - Broadcast (/ ency of 1090 Megah ations.php	ended Squitter Automatic S-B) with Corrigendum 1 ADS-B) and Traffic ertz (MHz) - ED Decision		
Finalisation criteria:	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependent Surveillance - Broadcast (ADS-B) & Traffic Information Serve 01/2012  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EASA - ETSO-C166a - Extended Squitter Automatic Dependent Surveil Information Services (TIS-B) Equipment Operating on the Radio Freque 2008/012/R / 11/2008  Url: http://www.easa.europa.eu/agency-measures/certification-specificat	vices - Broadcast (Ti illance - Broadcast (/ ency of 1090 Megah ations.php gulator, for ADS-B 10 From:	ended Squitter Automatic S-B) with Corrigendum 1  ADS-B) and Traffic ertz (MHz) - ED Decision  990 MHz out equipped  By:		
Finalisation criteria: AOP09-USE03	EUROCAE - ED-102A - Minimum Operational Performance Specification Dependant Surveillance - Broadcast (ADS-B) & Traffic Information Servo 1/2012  Url: https://eshop.eurocae.net/eurocae-documents-and-reports  EASA - ETSO-C166a - Extended Squitter Automatic Dependent Surveinformation Services (TIS-B) Equipment Operating on the Radio Freque 2008/012/R / 11/2008  Url: http://www.easa.europa.eu/agency-measures/certification-specification-	vices - Broadcast (Ti illance - Broadcast (A ency of 1090 Megah ations.php gulator, for ADS-B 10 From: 01/01/2012	ended Squitter Automatic S-B) with Corrigendum 1  ADS-B) and Traffic ertz (MHz) - ED Decision  990 MHz out equipped  By:  31/12/2015		