SE	S				Removed				E	EU+
ITY-	SPI			Survei	llance Per	formance ar	nd Interope	rability		
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

## Subject matter and scope

This SES-related implementation objective is derived from Regulation (EU) No 1207/2011 (as amended), laying down requirements on the systems contributing to the provision of surveillance data, their constituents and associated procedures in order to ensure the harmonisation of performance, the interoperability and the efficiency of these systems within the European air traffic management network (EATMN) and for the purpose of civil- military coordination (SPI-IR).

Regulation (EU) No 1207/2011 (as amended) applies to the surveillance chain (as defined in Article 3(6) of the Regulation) constituted of:

(a) airborne surveillance systems, their constituents and associated procedures;

(b) ground-based surveillance systems, their constituents and associated procedures;

(c) surveillance data processing systems, their constituents and associated procedures;

(d) ground-to-ground communications systems used for distribution of surveillance data, their constituents and associated procedures.

Regulation (EU) No 1207/2011 (as amended) applies to all flights operating as general air traffic in accordance with instrument flight rules within the airspace provided for in Article 1(3) of Regulation (EC) No 551/2004 with the exception of Articles 7(3) and 7(4) which apply to all flights operating as general air traffic. This Regulation applies to air traffic service providers which provide air traffic control services based on surveillance data, and to communication, navigation or surveillance service providers which operate systems laid down in paragraph 1 of the Regulation itself.

Regulation (EU) No 1207/2011 (as amended) should be read in conjunction with the existing locally published requirements that European States already have in force on the subject matter.

The timescales identified in the objective as well as the possible exemptions reflect the amendments published through the Commission Implementing Regulation (EU) No 2020/587 published in April 2020.

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.

## Applicability Area(s) & Timescale(s)

Applicability Area			
Timescales:	From:	By:	Applicable to:
Entry into force of regulation	13/12/2011		Applicability Area
ATS unit operational capability		12/12/2013	Applicability Area
EHS and ADS-B Out in transport-type State aircraft		07/12/2020	Applicability Area
ELS in transport-type State aircraft		07/12/2020	Applicability Area
Ensure training of MIL personnel		07/12/2020	Applicability Area
Retrofit aircraft capability		07/12/2020	Applicability Area

#### References

#### **European ATM Master Plan**

OI step -	- No OI Link	<u>-</u>				
	Enablers -	GSURV-0101				
Legend:	WXYZ-001	Covered by SLoA(s) in	WXYZ-002	Covered by SLoA(s) in another objective		Not covered in the
Legenu.	<u> </u>	this objective	ZZZ	Objective covering the enabler	003	Implementation Plan

#### Applicable legislation

Regulation (EC) No 1207/2011 of 22 November 2011 for the performance and the interoperability of surveillance (SPI-IR);

#### **Essential Operational Changes**

- none -

#### **SESAR Solution**

## ICAO GANP - ASBUs

- none -

#### **Deployment Programme**

- none -

#### **European Plan for Aviation Safety**

RMT.0519	Maintaining CS-ACNS
RMT.0679	Revision of surveillance performance and interoperability (SPI)

#### **Operating Environments**

Airport	
En-Route	
letwork	
Ferminal Airspace	

# Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	Ву
TY-SPI-REG01	Conduct safety oversight for the existing surveillance chain		05/02/2015
TY-SPI-ASP01	Ensure interoperability of surveillance data		12/12/2013
TY-SPI-ASP02	Conduct Safety Assessment for the existing surveillance chain		05/02/2015
TY-SPI-ASP03	Conduct Safety Assessment for changes introduced to the surveillance infrastructure		12/12/2013
TY-SPI-ASP04	Ensure the training of personnel		12/12/2013
TY-SPI-MIL01	Carriage and operation of Mode S Elementary Surveillance avionics		07/12/2020
TY-SPI-MIL02	Carriage and operation of Mode S Enhanced Surveillance and ADS-B Out avionics		07/12/2020
TY-SPI-MIL03	Ensure the training of personnel		07/12/2020
TY-SPI-USE01	Carriage and operation of Mode S Elementary Surveillance avionics by aircraft with an individual certificate of airworthiness first issued on or after 8 January 2015	DELETED	
TY-SPI-USE02	Carriage and operation of ADS-B Out avionics by aircraft with an individual certificate of airworthiness first issued on or after 8 June 2016	DELETED	
TY-SPI-USE03	Carriage and operation of Mode S Enhanced Surveillance avionics by aircraft with an individual certificate of airworthiness first issued on or after 8 June 2016	DELETED	
TY-SPI-USE04	Carriage and operation of Mode S Elementary Surveillance avionics		07/12/2020
TY-SPI-USE05	Carriage and operation of ADS-B Out avionics		07/12/2020
TY-SPI-USE06	Carriage and operation of Mode S Enhanced Surveillance avionics		07/12/2020
TY-SPI-USE07	Ensure the training of personnel		07/12/2020
D 1.4 40 11 1	and deleted SLoAs is available on the eATM Portal @ https://www.eatmportal.eu/worki		

# **Expected Performance Benefits**

Safety:	Improved safety through the deployment of surveillance solutions in non-radar areas.
Capacity:	Capacity increase through the deployment of surveillance solutions in areas where currently procedural separation is applied.
Operational Efficiency:	The application of surveillance based separation instead of procedural separation will allow the airspace users to fly more efficient trajectories.
Cost Efficiency:	-
Environment:	-
Security:	-

# **Detailed SLoA Descriptions**

		From:	By:
ITY-SPI-REG01	Conduct safety oversight for the existing surveillance chain	-	05/02/2015
Action by:	National Supervisory Authorities (NSAs)		

Created on 17/05/2024 1:18

Description & purpose:	Verify that the necessary safety assessments for the existing surveillan and (d) of Regulation (EU) No 1207/2011 (SPI-IR)), as required by Art S parties concerned and review, as appropriate, the safety assessment re	9.1 of the Regulation are	e conducted by the			
	Note : existing refers to systems in place at the date of entry into force	1 ( )	•			
Supporting material(s):	EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EU) (EU) 2016/1377 and amending Regulation (EU) No 677/2011 10/2011 Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:	OJ L 62, 8.03.2017, p. j down common require ment network functions J) No 1034/2011, (EU)	1) - COMMISSION ments for providers of air and their oversight,			
Finalisation criteria:	<ol> <li>1 - Safety assessment to existing surveillance chain (see SLoA descrip)</li> </ol>		ed by the ANSP and			
	delivered to the NSA. The NSA has reviewed the safety assessment as has been communicated to the ANSP.	appropriate and the ou	tcome of the assessmen			
ITY-SPI-ASP01	Ensure interoperability of surveillance data	From:	By:			
		-	12/12/2013			
Action by:	ANS Providers					
Description & purpose:	s required by Article 5(1) of the Regulation (EU) No 1207/2011 (SPI-IR) , air navigation service providers shall er teroperability of all surveillance data transferred from their ground-based surveillance systems and their surveilla ata processing systems to other navigation service providers are subject to a common protocol.					
	Note :The ASTERIX Standard has been transposed into a EUROCONT recognition as Community Specification by the European Commission.	ROL Specification whic	h may be considered for			
Supporting material(s):	EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATM Surveillance System Performance (ESASSP) - Volumes 1 and 2 - Edition 1.1 / 09/2015					
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-atm-surveillance-system-performance-esassp					
	EUROCONTROL - SPEC-149 - EUROCONTROL Specification for Surveillance Data Exchange - Part 1 All Purpose Structured EUROCONTROL Surveillance Information Exchange (ASTERIX) - Edition 2.4 / 10/2016					
	Url : https://www.eurocontrol.int/asterix					
Finalisation criteria:	<ul> <li>1 - All surveillance data transferred from their ground-based surveillance systems and their surveillance data processin systems to other navigation service providers:</li> <li>a) are subject to a data format that is agreed between the parties concerned;</li> <li>b) allow identification of the data source and identification of the type of data;</li> <li>c) are time stamped and expressed as coordinated universal time (UTC).</li> </ul>					
	<ul> <li>b) allow identification of the data source and identification of the type of c) are time stamped and expressed as coordinated universal time (UTC)</li> </ul>					
ITY-SPI-ASP02			By: 05/02/2015			
	c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain	;).				
Action by:	c) are time stamped and expressed as coordinated universal time (UTC	<ul> <li>From:</li> <li>-</li> <li>e systems, surveillance</li> </ul>	05/02/2015 data processing systems			
Action by:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC</li> <li>Conduct Safety Assessment for the existing surveillance chain</li> <li>ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution</li> </ul>	<ul> <li>From:</li> <li>From:</li> <li>systems, surveillance in and processing of surveillance</li> </ul>	05/02/2015 data processing systems veillance data, as			
Action by: Description & purpose:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain</li> <li>ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> </ul>	<ul> <li>From:</li> <li>From:</li> <li>systems, surveillance</li> <li>and processing of surv</li> <li>of Regulation (EU) 1207</li> </ul>	05/02/2015 data processing systems veillance data, as			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC)</li> <li>Conduct Safety Assessment for the existing surveillance chain</li> <li>ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note : existing' refers to systems in place at the date of entry into force</li> </ul>	b) From: Fr	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of air and their oversight,			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain</li> <li>ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force The SLoA does not apply to ANSP which do not use or do not provide s EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EL)</li> </ul>	From:     From:     -  e systems, surveillance n and processing of surv of Regulation (EU) 1207 surveillance data.  OJ L 62, 8.03.2017, p. down common require ment network functions I) No 1034/2011, (EU) N	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of ai and their oversight,			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force The SLoA does not apply to ANSP which do not use or do not provide se EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EU 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> </ul>	c). From: - e systems, surveillance n and processing of surv of Regulation (EU) 1207 surveillance data. OJ L 62, 8.03.2017, p. 1 g down common require ment network functions J) No 1034/2011, (EU) N 32017R0373&from=EN	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of ai and their oversight, No 1035/2011 and (EU)			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force The SLoA does not apply to ANSP which do not use or do not provide s EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EU 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:S EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATM</li> </ul>	c). From: - e systems, surveillance n and processing of surv of Regulation (EU) 1207 surveillance data. OJ L 62, 8.03.2017, p g down common require ment network functions J) No 1034/2011, (EU) N 32017R0373&from=EN A Surveillance System F	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of air and their oversight, No 1035/2011 and (EU) Performance (ESASSP) -			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force The SLoA does not apply to ANSP which do not use or do not provide s EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EL 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:S EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATM Volumes 1 and 2 - Edition 1.1 / 09/2015</li> </ul>	C).  From:  From:  systems, surveillance and processing of surveillance data.  CJ L 62, 8.03.2017, p  down common requirement network functions N No 1034/2011, (EU) N  2017R0373&from=EN N Surveillance System F m-surveillance-system.p	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of ai and their oversight, No 1035/2011 and (EU) Performance (ESASSP) - performance-esassp			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain</li> <li>ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force.</li> <li>The SLoA does not apply to ANSP which do not use or do not provide set.</li> <li>EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EL 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:: EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATM Volumes 1 and 2 - Edition 1.1 / 09/2015</li> <li>Url : https://www.eurocontrol.int/publication/eurocontrol-specification-attre EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigatio Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and</li> </ul>		05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of ai and their oversight, No 1035/2011 and (EU) Performance (ESASSP) - performance-esassp 04/2001			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force.</li> <li>The SLoA does not apply to ANSP which do not use or do not provide set EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EU 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:SeuroControl - SPEC 147 - EUROCONTROL Specification for ATM Volumes 1 and 2 - Edition 1.1 / 09/2015</li> <li>Url : https://www.eurocontrol.int/publication/eurocontrol-specification-atm EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigatio Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-an EUROCONTROL - Air Navigation Systems Safety Assessment Method</li> </ul>		05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of air and their oversight, No 1035/2011 and (EU) Performance (ESASSP) - performance-esassp 04/2001			
Action by: Description & purpose: Derogations:	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force The SLoA does not apply to ANSP which do not use or do not provide s EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EL 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX: EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATM Volumes 1 and 2 - Edition 1.1 / 09/2015</li> <li>Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ath EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigatio Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-an EUROCONTROL - Air Navigation Systems Safety Assessment Method Url : https://www.eurocontrol.int/tool/safety-assessment-methodology</li> </ul>	C).  From:  From:  systems, surveillance  and processing of surveillance  fregulation (EU) 1207  surveillance data.  CJ L 62, 8.03.2017, p. 1  down common required ment network functions  No 1034/2011, (EU) N  32017R0373&from=EN  A Surveillance System F  m-surveillance-system-p  n in ATM - Edition 1.0 /  d-mitigation-atm  ology (SAM) - Version 2	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of air and their oversight, No 1035/2011 and (EU) Performance (ESASSP) - performance-esassp 04/2001 2.1 / 11/2006			
Action by: Description & purpose: Derogations: Supporting material(s):	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force.</li> <li>The SLoA does not apply to ANSP which do not use or do not provide set EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EU 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:SeuroControl - SPEC 147 - EUROCONTROL Specification for ATM Volumes 1 and 2 - Edition 1.1 / 09/2015</li> <li>Url : https://www.eurocontrol.int/publication/eurocontrol-specification-atm EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigatio Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-an EUROCONTROL - Air Navigation Systems Safety Assessment Method</li> </ul>	c). From: F	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of air and their oversight, No 1035/2011 and (EU) Performance (ESASSP) - performance-esassp 04/2001 2.1 / 11/2006 delivered to the NSA.			
ITY-SPI-ASP02 Action by: Description & purpose: Derogations: Supporting material(s): Finalisation criteria: ITY-SPI-ASP03	<ul> <li>c) are time stamped and expressed as coordinated universal time (UTC Conduct Safety Assessment for the existing surveillance chain ANS Providers</li> <li>Conduct a safety assessment: for all existing ground-based surveillance and ground-to-ground communications systems used for the distribution required in Art. 9.1 and Annex VI of SPI-IR.</li> <li>Note :'existing' refers to systems in place at the date of entry into force The SLoA does not apply to ANSP which do not use or do not provide s EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - ( IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manager repealing Regulation (EC) No 482/2008, Implementing Regulations (EL 2016/1377 and amending Regulation (EU) No 677/2011 03/2017</li> <li>Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX: EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATM Volumes 1 and 2 - Edition 1.1 / 09/2015</li> <li>Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ath EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigatio Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-an EUROCONTROL - Air Navigation Systems Safety Assessment Method Url : https://www.eurocontrol.int/tool/safety-assessment-methodology</li> </ul>	C).  From:  From:  systems, surveillance  and processing of surveillance  fregulation (EU) 1207  surveillance data.  CJ L 62, 8.03.2017, p. 1  down common required ment network functions  No 1034/2011, (EU) N  32017R0373&from=EN  A Surveillance System F  m-surveillance-system-p  n in ATM - Edition 1.0 /  d-mitigation-atm  ology (SAM) - Version 2	05/02/2015 data processing systems veillance data, as 7/2011 1) - COMMISSION ments for providers of air and their oversight, No 1035/2011 and (EU) Performance (ESASSP) - performance-esassp 04/2001 2.1 / 11/2006			

Description & purpose:	Conduct a safety assessment of the changes introduced to systems ar (c) and (d) of SPI-IR in order to achieve compliance with Article 9.2 of		
	The tasks to be done are as follows: - Conduct hazard identification, risk assessment in order to define safe the risks; - Develop safety assessment; - Deliver a safety assessment report to the NSA, if new standards are a is 1 or 2.		
	This safety assessment shall be based on fully validated/recognised m	ethod.	
Derogations:	The SLoA does not apply to ANSP which do not use or do not provide	surveillance data.	
Supporting material(s):	EC - COMMISSION IMPLEMENTING REGULATION (EU) 2017/373 - IMPLEMENTING REGULATION (EU) 2017/373 of 1 March 2017 laying traffic management/air navigation services and other air traffic manage repealing Regulation (EC) No 482/2008, Implementing Regulations (EU 2016/1377 and amending Regulation (EU) No 677/2011 03/2017	g down common requirement network functions	ements for providers of air and their oversight,
	Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:	32017R0373&from=EN	L
	EUROCONTROL - SPEC 147 - EUROCONTROL Specification for ATI Volumes 1 and 2 - Edition 1.1 / 09/2015	M Surveillance System	Performance (ESASSP) -
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-at	m-surveillance-system	-performance-esassp
	EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation	on in ATM - Edition 1.0	/ 04/2001
	Url : https://www.eurocontrol.int/publication/esarr-4-risk-assessment-ar	nd-mitigation-atm	
	EUROCONTROL - Air Navigation Systems Safety Assessment Method	dology (SAM) - Version	2.1 / 11/2006
	Url : https://www.eurocontrol.int/tool/safety-assessment-methodology		
Finalisation criteria:	<ol> <li>The safety assessment report including safety arguments for the ch notification of acceptance was received as appropriate.</li> </ol>	anges has been delive	red to the NSA and a
		Entra	
		From:	By:
	Ensure the training of personnel ANS Providers Ensure the training of their personnel affected by system and procedur	-	12/12/2013
Action by:	ANS Providers Ensure the training of their personnel affected by system and procedur 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.	al changes introduced	12/12/2013
ITY-SPI-ASP04 Action by: Description & purpose: Finalisation criteria:	ANS Providers Ensure the training of their personnel affected by system and procedur The tasks to be done are as follows: - Develop a training package (material); - Update the training plans; - Determine staff population to be trained;	- al changes introduced	12/12/2013
Action by: Description & purpose: Finalisation criteria:	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has b         2 - All personnel affected by the changes to the surveillance infrastruct	- al changes introduced	12/12/2013
Action by: Description & purpose:	ANS Providers Ensure the training of their personnel affected by system and procedur 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. 1 - The training plans have been updated and a training package has b	- al changes introduced peen developed. ure have been trained.	12/12/2013 by compliance to SPI-IR.
Action by: Description & purpose: Finalisation criteria:	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has to 2 - All personnel affected by the changes to the surveillance infrastruct         Carriage and operation of Mode S Elementary Surveillance	- al changes introduced peen developed. ure have been trained.	by compliance to SPI-IR.
Action by: Description & purpose: Finalisation criteria: ITY-SPI-MIL01	ANS Providers Ensure the training of their personnel affected by system and procedur 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. 1 - The training plans have been updated and a training package has b 2 - All personnel affected by the changes to the surveillance infrastruct Carriage and operation of Mode S Elementary Surveillance avionics	- ral changes introduced peen developed. ure have been trained. From: -	By:         07/12/2020
Action by: Description & purpose: Finalisation criteria: ITY-SPI-MIL01 Action by: Description & purpose:	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has been updated and a training been updated and a training been updated and been up	- al changes introduced been developed. ure have been trained. From: - ransponders having the be State aircraft operati	By:         07/12/2020
Action by: Description & purpose: Finalisation criteria: ITY-SPI-MIL01 Action by: Description & purpose: Derogations:	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has to         2 - All personnel affected by the changes to the surveillance infrastruct         Carriage and operation of Mode S Elementary Surveillance         avionics         Military Authorities         Equip and certify for operational use of secondary surveillance radar to         Surveillance capability, as set out in Part A of Annex II of the SPI-IR, the with IFR rules.         In line with Art. 8.3 of SPI-IR and communication to the European Comma) compelling technical reasons;         b) State aircraft out of service by 01 January 2024;	al changes introduced been developed. ure have been trained. From: - ransponders having the he State aircraft operation mission: n for Secondary Survei	12/12/2013         by compliance to SPI-IR.         By:         07/12/2020         Mode S Elementary         as GAT in accordance         Illance Radar Mode S
Action by: Description & purpose: Finalisation criteria: ITY-SPI-MIL01 Action by:	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has the 2 - All personnel affected by the changes to the surveillance infrastruct         Carriage and operation of Mode S Elementary Surveillance avionics         Military Authorities         Equip and certify for operational use of secondary surveillance radar the Surveillance capability, as set out in Part A of Annex II of the SPI-IR, the with IFR rules.         In line with Art. 8.3 of SPI-IR and communication to the European Comman compelling technical reasons;         b) State aircraft out of service by 01 January 2024;         c) Procurement constraints.         EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020         Url : https://eshop.eurocae.net/eurocae-documents-and-reports         ICAO - Doc 9871 - Technical Provisions for Mode S Services and Externational Externation of Mode S Services and Externation Service Services and Externation Services and Externat	al changes introduced been developed. ure have been trained. From: - ransponders having the state aircraft operati mission: n for Secondary Survei nded Squitter - Advance	12/12/2013         by compliance to SPI-IR.         By:         07/12/2020         a Mode S Elementary         as GAT in accordance         Illance Radar Mode S         aed Edition / 04/2012
Action by: Description & purpose: Finalisation criteria: ITY-SPI-MIL01 Action by: Description & purpose: Derogations: Supporting material(s):	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has been and the training plans been updated and a training package has been and the training package has been updated and a training package has been and the training package has been updated and a training package has been and the training package has been updated and a training package has been and the training package has been updated and a training package has been and the training been and training been and the training been and th	al changes introduced been developed. ure have been trained. From: - ransponders having the state aircraft operati mission: n for Secondary Survei nded Squitter - Advance	12/12/2013         by compliance to SPI-IR.         By:         07/12/2020         a Mode S Elementary         as GAT in accordance         Illance Radar Mode S         aed Edition / 04/2012
Action by: Description & purpose: Finalisation criteria: ITY-SPI-MIL01 Action by: Description & purpose: Derogations: Supporting material(s):	ANS Providers         Ensure the training of their personnel affected by system and procedur         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.         1 - The training plans have been updated and a training package has been avoid to the surveillance infrastruct         Carriage and operation of Mode S Elementary Surveillance avionics         Military Authorities         Equip and certify for operational use of secondary surveillance radar to surveillance capability, as set out in Part A of Annex II of the SPI-IR, the with IFR rules.         In line with Art. 8.3 of SPI-IR and communication to the European Comma (compelling technical reasons;         b) State aircraft out of service by 01 January 2024;         c) Procurement constraints.         EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020         Url : https://eshop.eurocae.net/eurocae-documents-and-reports         ICAO - Doc 9871 - Technical Provisions for Mode S Services and Exter         Url : https://store.icao.int/	al changes introduced peen developed. ure have been trained. From: - ransponders having the he State aircraft operation mission: n for Secondary Survein nded Squitter - Advance equipment and certified	12/12/2013         by compliance to SPI-IR.         By:         07/12/2020         Mode S Elementary         ng as GAT in accordance         Illance Radar Mode S         Led Edition / 04/2012         If for operational use.

Description & purpose:	Equip with and certify for operational use of Mode S Enhanced Surv avionics, as set out in Part B and Part C of Annex II of the SPI-IR th accordance with IFR rules with a maximum certified take-off mass e true airspeed capability greater than 250 knots. This is in addition to S Elementary Surveillance).	e transport-type Stat xceeding 5 700 kg o	e aircraft operating as GAT in r having a maximum cruising		
Derogations:	In line with Art. 8.3 of SPI-IR and communication to the European C a) compelling technical reasons; b) State aircraft out of service by 01 January 2024; c) Procurement constraints.	ommission:			
Supporting material(s):	EUROCAE - ED-126 - Safety, Performance and Interoperability Rec 12/2006	quirements Documen	t for ADS-B-NRA Application		
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021	nications Navigation	and Surveillance - Issue 3 /		
	Url : <u>https://www.easa.europa.eu/document-library/certification-spec</u> EUROCAE - ED-161 - Safety, Performance and Interoperability Rec 09/2009				
	Url : <u>https://eshop.eurocae.net/eurocae-documents-and-reports</u> EUROCAE - ED-73F - Minimum Operational Performance Specifica Transponders 12/2020	tion for Secondary S	urveillance Radar Mode S		
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports				
	ICAO - Doc 9871 - Technical Provisions for Mode S Services and E	xtended Squitter - Ac	dvanced Edition / 04/2012		
	Url : <u>https://store.icao.int/</u> 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				
Finalisation criteria:	1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipment, and certified for operational use.	e and ADS-B Out (10	90 extended squitter)		
ITY-SPI-MIL03	Ensure the training of personnel	From: -	By: 07/12/2020		
Action by:	Military Authorities				
	Military Autorities				
•	Ensure the training of all their personnel affected by changes introdu The tasks to be done are as follows: - Develop a training package (material); - Update the training plans; - Determine staff population to be trained;	uced by compliance t	to SPI-IR.		
Description & purpose: Finalisation criteria:	Ensure the training of all their personnel affected by changes introduced of 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. 1 - The training plans have been updated and a training package has	is been developed.			
Description & purpose:	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows:</li> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> <li>1 - The training plans have been updated and a training package ha</li> <li>2 - All personnel affected by the changes to the surveillance ground</li> </ul>	is been developed. infrastructure have t	been trained.		
Description & purpose:	Ensure the training of all their personnel affected by changes introduced of 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. 1 - The training plans have been updated and a training package has	is been developed.			
Description & purpose: Finalisation criteria:	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows:</li> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> <li>1 - The training plans have been updated and a training package ha</li> <li>2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance</li> </ul>	is been developed. infrastructure have t	been trained. By:		
Description & purpose: Finalisation criteria: ITY-SPI-USE04 Action by:	Ensure the training of all their personnel affected by changes introdu 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. 1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground Carriage and operation of Mode S Elementary Surveillance avionics	is been developed. infrastructure have t From: - ode S Elementary St	been trained. By: 07/12/2020 urveillance capability, as set out		
Description & purpose: Finalisation criteria: ITY-SPI-USE04 Action by: Description & purpose:	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows: <ul> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> </ul> </li> <li>1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance avionics</li> <li>Airspace Users</li> <li>Equip with secondary surveillance radar transponders having the Me in Part A of Annex II of the SPI-IR the aircraft operating as GAT in a EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021</li> </ul>	IS been developed. infrastructure have b From: - ode S Elementary St ccordance with IFR p nications Navigation	been trained. By: 07/12/2020 urveillance capability, as set ou rules. and Surveillance - Issue 3 /		
Description & purpose: Finalisation criteria: ITY-SPI-USE04 Action by: Description & purpose:	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows: <ul> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> </ul> </li> <li>1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance avionics</li> </ul> Airspace Users Equip with secondary surveillance radar transponders having the Me in Part A of Annex II of the SPI-IR the aircraft operating as GAT in a EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021 Url : <a href="https://www.easa.europa.eu/document-library/certification-specifications">https://www.easa.europa.eu/document-library/certification-specification</a> EUROCAE - ED-73F - Minimum Operational Performance Specification	IS been developed. infrastructure have b From: - ode S Elementary St ccordance with IFR to nications Navigation iffications/cs-acns-iss	been trained. By: 07/12/2020 urveillance capability, as set out rules. and Surveillance - Issue 3 /		
Description & purpose: Finalisation criteria: ITY-SPI-USE04 Action by: Description & purpose:	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows: <ul> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> </ul> </li> <li>1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance avionics</li> </ul> Airspace Users Equip with secondary surveillance radar transponders having the Me in Part A of Annex II of the SPI-IR the aircraft operating as GAT in a EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specification-specificational Performance Specification	IS been developed. infrastructure have to From: - ode S Elementary St ccordance with IFR to nications Navigation ifications/cs-acns-iss tion for Secondary S	been trained. By: 07/12/2020 urveillance capability, as set our rules. and Surveillance - Issue 3 / sue-3 surveillance Radar Mode S		
Description & purpose: Finalisation criteria: ITY-SPI-USE04 Action by: Description & purpose: Supporting material(s):	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows: <ul> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> </ul> </li> <li>1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance avionics</li> </ul> Airspace Users Equip with secondary surveillance radar transponders having the Me in Part A of Annex II of the SPI-IR the aircraft operating as GAT in a EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specification-specificational Performance Specification Transponders 12/2020 Url : https://eshop.eurocae.net/eurocae-documents-and-reports ICAO - Doc 9871 - Technical Provisions for Mode S Elementary Surveillance Url : https://store.icao.int/ 1 - Aircraft have been equipped with Mode S Elementary Surveillance	is been developed. infrastructure have to From: - ode S Elementary St ccordance with IFR to nications Navigation ifications/cs-acns-iss tion for Secondary S xtended Squitter - Ac	been trained. By: 07/12/2020 urveillance capability, as set out rules. and Surveillance - Issue 3 / sue-3 surveillance Radar Mode S dvanced Edition / 04/2012		
Description & purpose: Finalisation criteria:	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows: <ul> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> </ul> </li> <li>1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance avionics</li> <li>Airspace Users</li> <li>Equip with secondary surveillance radar transponders having the Me in Part A of Annex II of the SPI-IR the aircraft operating as GAT in a EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021</li> <li>Url : https://www.easa.europa.eu/document-library/certification-specifications for Airborne Specification Specificati</li></ul>	is been developed. infrastructure have to From: - ode S Elementary St ccordance with IFR to nications Navigation ifications/cs-acns-iss tion for Secondary S xtended Squitter - Ac	been trained. By: 07/12/2020 urveillance capability, as set out ules. and Surveillance - Issue 3 / sue-3 surveillance Radar Mode S dvanced Edition / 04/2012 d as appropriate.		
Description & purpose: Finalisation criteria: ITY-SPI-USE04 Action by: Description & purpose: Supporting material(s):	<ul> <li>Ensure the training of all their personnel affected by changes introdu</li> <li>The tasks to be done are as follows: <ul> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> <li>Apply the training plans.</li> </ul> </li> <li>1 - The training plans have been updated and a training package ha 2 - All personnel affected by the changes to the surveillance ground</li> <li>Carriage and operation of Mode S Elementary Surveillance avionics</li> </ul> Airspace Users Equip with secondary surveillance radar transponders having the Me in Part A of Annex II of the SPI-IR the aircraft operating as GAT in a EASA - CS ACNS - Certification Specifications for Airborne Commu 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specification-specificational Performance Specification Transponders 12/2020 Url : https://eshop.eurocae.net/eurocae-documents-and-reports ICAO - Doc 9871 - Technical Provisions for Mode S Elementary Surveillance Url : https://store.icao.int/ 1 - Aircraft have been equipped with Mode S Elementary Surveillance	Is been developed. infrastructure have to From: - ode S Elementary St ccordance with IFR in nications Navigation ifications/cs-acns-iss tion for Secondary S xtended Squitter - Ac ce equipment certifie	been trained. By: 07/12/2020 urveillance capability, as set out rules. and Surveillance - Issue 3 / sue-3 surveillance Radar Mode S dvanced Edition / 04/2012		

	Equip with secondary surveillance radar transponders having the ADS-E set out in Part B of Annex II of the SPI-IR, the aircraft with a maximum c having a maximum cruising true airspeed capability greater than 250 kno rules.	ertified take-off mas	s exceeding 5 700 kg or			
	Note :subject to the conditions identified in Article 5 paragraph 5 of Reguestended to 7/06/2023	ulation 2020/587, th	e compliance date may be			
Supporting material(s):	EUROCAE - ED-126 - Safety, Performance and Interoperability Require 12/2006	ments Document fo	r ADS-B-NRA Application			
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports					
	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021	tions Navigation and	d Surveillance - Issue 3 /			
	Url : https://www.easa.europa.eu/document-library/certification-specifica	tions/cs-acns-issue	<u>-3</u>			
	EUROCAE - ED-161 - Safety, Performance and Interoperability Require 09/2009	ments Document fo	r ADS-B-RAD Application			
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports EUROCAE - ED-73F - Minimum Operational Performance Specification	for Secondary Surv	eillance Radar Mode S			
	Transponders 12/2020					
	Url : https://eshop.eurocae.net/eurocae-documents-and-reports	de d Ossilitari Ashar				
	ICAO - Doc 9871 - Technical Provisions for Mode S Services and Exten	ded Squitter - Adva	nced Edition / 04/2012			
	Url : https://store.icao.int/ 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					
inalisation criteria:	<ol> <li>Aircraft have been equipped with ADS-B Out on 1090 Extended Squi</li> <li>Aircraft have obtained airworthiness approval.</li> </ol>	itter equipment and	certified as appropriate.			
ITY-SPI-USE06	Carriage and operation of Mode S Enhanced Surveillance avionics	From:	By: 07/12/2020			
Action by:	Airspace Users					
Description & purpose:	Equip with secondary surveillance radar transponders having the Mode in Part C of Annex II of the SPI-IR the fixed wing aircraft with a maximum having a maximum cruising true airspeed capability greater than 250 kno rules.	n certified take-off n	hass exceeding 5 700 kg or			
	Note :subject to the conditions identified in Article 5 paragraph 5 of Reguestended to 7/06/2023	ulation 2020/587, th	e compliance date may be			
Derogations:	mass exceeding 5 700 kg or a maximum cruising true airspeed greater t	han 250 knots that -board the aircraft n	Aircraft of specific types with a first certificate of airworthiness issued before 7 June 2020 that have a maximum take of mass exceeding 5 700 kg or a maximum cruising true airspeed greater than 250 knots that do not have the complete s of parameters detailed in Part C of Annex II available on a digital bus on-board the aircraft may be exempted by the			
	European commission nom comprying with the requirements of point (c)		e SPI-IR.			
Supporting material(s):	EASA - CS ACNS - Certification Specifications for Airborne Communica 05/2021					
Supporting material(s):	EASA - CS ACNS - Certification Specifications for Airborne Communication	tions Navigation and	d Surveillance - Issue 3 /			
Supporting material(s):	EASA - CS ACNS - Certification Specifications for Airborne Communica 05/2021	tions Navigation and	d Surveillance - Issue 3 / <u>-3</u>			
Supporting material(s):	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021 Url : <u>https://www.easa.europa.eu/document-library/certification-specification</u> EUROCAE - ED-73F - Minimum Operational Performance Specification	tions Navigation and	d Surveillance - Issue 3 / <u>-3</u>			
Supporting material(s):	EASA - CS ACNS - Certification Specifications for Airborne Communica 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specifica EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020	tions Navigation an tions/cs-acns-issue for Secondary Surv	d Surveillance - Issue 3 / <u>-3</u> eillance Radar Mode S			
Supporting material(s):	EASA - CS ACNS - Certification Specifications for Airborne Communica 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specifica EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020 Url : https://eshop.eurocae.net/eurocae-documents-and-reports	tions Navigation an tions/cs-acns-issue for Secondary Surv	d Surveillance - Issue 3 / <u>-3</u> eillance Radar Mode S			
	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specification EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020 Url : https://eshop.eurocae.net/eurocae-documents-and-reports ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extern	tions Navigation an tions/cs-acns-issue for Secondary Surv ded Squitter - Adva	d Surveillance - Issue 3 / -3 eillance Radar Mode S nced Edition / 04/2012			
	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specification EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020 Url : https://eshop.eurocae.net/eurocae-documents-and-reports ICAO - Doc 9871 - Technical Provisions for Mode S Services and Exten- Url : https://store.icao.int/ 1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipped	tions Navigation an tions/cs-acns-issue for Secondary Surv ded Squitter - Adva	d Surveillance - Issue 3 / -3 eillance Radar Mode S nced Edition / 04/2012			
inalisation criteria:	<ul> <li>EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021</li> <li>Url : https://www.easa.europa.eu/document-library/certification-specification</li> <li>EUROCAE - ED-73F - Minimum Operational Performance Specification</li> <li>Transponders 12/2020</li> <li>Url : https://eshop.eurocae.net/eurocae-documents-and-reports</li> <li>ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extended</li> <li>Url : https://store.icao.int/</li> <li>1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipation</li> <li>2 - Aircraft have obtained airworthiness approval.</li> </ul>	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By:			
Supporting material(s): Finalisation criteria: ITY-SPI-USE07 Action by: Description & purpose:	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021 Url : https://www.easa.europa.eu/document-library/certification-specification EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020 Url : https://eshop.eurocae.net/eurocae-documents-and-reports ICAO - Doc 9871 - Technical Provisions for Mode S Services and Exten- Url : https://store.icao.int/ 1 - Aircraft have been equipped with Mode S Enhanced Surveillance equ 2 - Aircraft have obtained airworthiness approval.	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as From: -	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By: 07/12/2020			
Finalisation criteria: ITY-SPI-USE07 Action by:	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021         Url : https://www.easa.europa.eu/document-library/certification-specification         EUROCAE - ED-73F - Minimum Operational Performance Specification         Transponders 12/2020         Url : https://eshop.eurocae.net/eurocae-documents-and-reports         ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extended         Url : https://store.icao.int/         1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipment airworthiness approval.         Ensure the training of personnel         Airspace Users         Ensure the training of all their personnel affected by changes introduced	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as From: -	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By: 07/12/2020			
Finalisation criteria: ITY-SPI-USE07 Action by:	EASA - CS ACNS - Certification Specifications for Airborne Communicat 05/2021         Url : https://www.easa.europa.eu/document-library/certification-specification         EUROCAE - ED-73F - Minimum Operational Performance Specification         Transponders 12/2020         Url : https://eshop.eurocae.net/eurocae-documents-and-reports         ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extender         Url : https://store.icao.int/         1 - Aircraft have been equipped with Mode S Enhanced Surveillance equiped - Aircraft have obtained airworthiness approval.         Ensure the training of personnel         Airspace Users         Ensure the training of all their personnel affected by changes introduced         The tasks to be done are as follows:	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as From: -	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By: 07/12/2020			
Finalisation criteria: ITY-SPI-USE07 Action by:	EASA - CS ACNS - Certification Specifications for Airborne Communical 05/2021         Url : https://www.easa.europa.eu/document-library/certification-specifical         EUROCAE - ED-73F - Minimum Operational Performance Specification         Transponders 12/2020         Url : https://eshop.eurocae.net/eurocae-documents-and-reports         ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extendent Integrity         1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipment and the obtained airworthiness approval.         Ensure the training of personnel         Airspace Users         Ensure the training of all their personnel affected by changes introduced         The tasks to be done are as follows:         - Develop a training package (material);         - Update the training plans;	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as From: -	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By: 07/12/2020			
Finalisation criteria: ITY-SPI-USE07 Action by:	<ul> <li>EASA - CS ACNS - Certification Specifications for Airborne Communical 05/2021</li> <li>Url : https://www.easa.europa.eu/document-library/certification-specifical</li> <li>EUROCAE - ED-73F - Minimum Operational Performance Specification Transponders 12/2020</li> <li>Url : https://eshop.eurocae.net/eurocae-documents-and-reports</li> <li>ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extendent Integration (ICAO)</li> <li>1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipment (Integration (ICAO))</li> <li>2 - Aircraft have obtained airworthiness approval.</li> <li>Ensure the training of personnel</li> <li>Airspace Users</li> <li>Ensure the training of all their personnel affected by changes introduced</li> <li>The tasks to be done are as follows:</li> <li>Develop a training package (material);</li> <li>Update the training plans;</li> <li>Determine staff population to be trained;</li> </ul>	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as From: -	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By: 07/12/2020			
Finalisation criteria: ITY-SPI-USE07 Action by:	EASA - CS ACNS - Certification Specifications for Airborne Communical 05/2021         Url : https://www.easa.europa.eu/document-library/certification-specifical         EUROCAE - ED-73F - Minimum Operational Performance Specification         Transponders 12/2020         Url : https://eshop.eurocae.net/eurocae-documents-and-reports         ICAO - Doc 9871 - Technical Provisions for Mode S Services and Extendent Integrity         1 - Aircraft have been equipped with Mode S Enhanced Surveillance equipment and the obtained airworthiness approval.         Ensure the training of personnel         Airspace Users         Ensure the training of all their personnel affected by changes introduced         The tasks to be done are as follows:         - Develop a training package (material);         - Update the training plans;	tions Navigation and tions/cs-acns-issue for Secondary Surv ded Squitter - Adva uipment certified as From: -	d Surveillance - Issue 3 / 3 eillance Radar Mode S nced Edition / 04/2012 appropriate. By: 07/12/2020			