SE	S		Achieved					EU+		
ITY-C	OTR		Implem	mentation of ground-ground automated co-ordination processes						
REG	ASP	MIL	APO	USE	INT	IND	NM	MET	AIS	USP

Subject matter and scope

This SES-related implementation objective is derived from Regulation (EC) No 1032/2006 of 06 July 2006 laying down requirements for the exchange of flight data for the purpose of notification, coordination and transfer of flights between air traffic control units.

Regulation (EC) No 1032/2006 applies to:

- Flight data processing systems serving air traffic control units providing services to general air traffic;
- Flight data exchange systems supporting the coordination procedures between air traffic services units and controlling military units.

This objective covers the following mandatory processes, supported by system information exchanges:

- Notification;
- Initial Coordination;
- Revision of Coordination;
- Abrogation of Coordination;
- Basic Flight Data;
- Changes to Basic Flight Data.

As described in Regulation (EC) No 1032/2006, Annex I (Parts A and B).

This SES-related implementation objective does not replace the EC legislation. It aims at facilitating the monitoring and reporting of the implementation of ground-ground coordination processes in European ATM in line with the EC regulations and through the SES implementation monitoring and reporting mechanism.

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 MIL Authorities.

Applicability Area(s) & Timescale(s)

Applicability Area All ECAC States except: Armenia, Azerbaijan, Israel, Morocco, Türkiye, Ukraine. Plus: Israel, Morocco Plus: Israel, Morocco						
Timescales:		From:	By:	Applicable to:		
For putting into service of EATMN systems in and initial coordination processes	respect of notification		27/07/2006	Applicability Area		
Entry into force of Regulation		27/07/2006		Applicability Area		
For putting into service of EATMN systems in Coordination, Abrogation of Coordination, Bas Change to Basic Flight Data			01/01/2009	Applicability Area		
To all EATMN systems in operation by 12/201	2		31/12/2012	Applicability Area		

References

European ATM Master Plan

OI step -	[CM-0201]-A	[CM-0201]-Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue							
	Enablers - PRO-048								
Logondi		Covered by SLoA(s) in	WXYZ-002	Covered by SLoA	(s) in another of	ojective	WXYZ-	Not covered in the	
Legend:	VVXYZ-001	WXYZ-001 this objective		Objective covering the enabler			003	Implementation Plan	

Applicable legislation

Regulation (EC) No 1032/2006 of 06 July 2006 laying down requirements for automatic systems for the exchange of flight data for the purpose of notification, coordination and transfer of flights between air traffic control units.

Essential Operational Changes

- none -

SESAR Solution

ITY-	CO	TR
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ICAO GANP - ASBUs

FICE-B0/1

Automated basic inter facility data exchange (AIDC)

Deployment Programme

- none -

European Plan for Aviation Safety

- none -

Operating Environments

En-Route Network

Terminal Airspace

Stakeholder Lines of Action (SLoAs)

SloA ref.	Title	From	Ву
ITY-COTR-REG01	Ensure oversight of changes to system	DELETED	
ITY-COTR-ASP01	Implement flight data processing and exchange systems		01/01/2009 31/12/2012
ITY-COTR-ASP02	Implement Notification process		27/07/2006 31/12/2012
ITY-COTR-ASP03	Implement Initial Coordination process		27/07/2006 31/12/2012
ITY-COTR-ASP04	Implement Revision of Coordination process	31/12/2012	01/01/2009 31/12/2012
ITY-COTR-ASP05	Implement Abrogation of Coordination process		01/01/2009 31/12/2012
ITY-COTR-ASP06	Implement Basic Flight Data process		01/01/2009 31/12/2012
ITY-COTR-ASP07	Implement Change to Basic Flight Data process		01/01/2009 31/12/2012
ITY-COTR-ASP08	Implement Logon Forward process	DELETED	
ITY-COTR-ASP09	Implement Next Authority Notified process	DELETED	
ITY-COTR-ASP10	Develop safety assessment		01/01/2009 31/12/2012
ITY-COTR-ASP11	Organise training to Air Traffic Control personnel		31/12/2012
ITY-COTR-MIL01	Implement Basic Flight Data process		01/01/2009 31/12/2012
ITY-COTR-MIL02	Implement Change to Basic Flight Data process		01/01/2009 31/12/2012

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

Expected Performance Benefits

Safety:	Reduction of human error.
Capacity:	Reduction of controller workload. Reduction in aircrew workload as regards the AGDL login messages (ASP08 and ASP09);
Operational Efficiency: Cost Efficiency:	- More efficient planning and operational decision making.
Environment:	N/A
Security:	N/A

Detailed SLoA Descriptions

ITY-COTR-ASP01 Action by: Description & purpose: Derogations:	Implement flight data processing and exchange systems ANS Providers	From: -	By: 01/01/2009 31/12/2012				
Action by: Description & purpose:		-					
Description & purpose:	ANS Providers		21/12/2012				
Description & purpose:	ANS Providers		31/12/2012				
· · ·		ANS Providers					
Derogations:	The system shall provide all the information required for the display, processing and compilation of the system information exchanged in the process specified. [Regulation (EC) No 1032/2006, Annex I, Part A].						
-	It shall not apply to flight data processing systems for which the flight data are synchronised by means of a common system.						
Supporting material(s):							
	Jrl : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi						
Finalisation criteria:	 Flight data processing and exchange systems have been upgraded. The technical file (TF) with evidences of compliance and the EC declaration of verification of systems (DoV) have been delivered to the competent National Supervisory Authority (NSA). Upgraded flight data processing and exchange systems have been put into service. 						
		From:	By:				
ITY-COTR-ASP02	Implement Notification process	-	27/07/2006 31/12/2012				
Action by:	ANS Providers	·					
Description & purpose:	Implement a process of notification of flight between ATC units.						
	 Provide for acquisition of missing flight plan data; Provide advance boundary information and revisions thereto for the net Update the basic flight plan data; Facilitate early correlation of radar tracks; Facilitate accurate short-term sector load assessment; Request the assignment of an SSR code from the unit to which the ab This process shall comply with the interoperability and performance req No 1032/2006. 	ove notification is					
Derogations:	No 1032/2006. It shall not apply to flight data processing systems for which the flight data system.	ata are synchronis	ed by means of a common				
Supporting material(s):	EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS 3.3 / 07/2020	Data Exchange F	Presentation (ADEXP) - Editio				
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ats-data-exchange-presentation-adexp						
	EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 / 07/2020						
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi						
Finalisation criteria:	1 - The Notification process has been implemented, documented and is	in operational use	e with all partners within the				
	applicability area.	From:	By:				
ITY-COTR-ASP03	Implement Initial Coordination process	-	27/07/2006 31/12/2012				
Action by:	ANS Providers						
Description & purpose:	Implement a process of initial coordination of flight between ATC units.						
	The Initial Coordination process satisfies the following operational requi - Replace the verbal boundary estimate by transmitting automatically de prior to the transfer of control; - Update the basic flight plan data in the receiving ATC unit with the mo - Facilitate distribution and display of flight plan data within the receiving - Enable display of correlation in the receiving ATC unit; - Provide transfer conditions to the receiving ATC unit. This process shall comply with the interoperability and performance req	etails of a flight from st recent informati g ATC unit to the v	on; vorking positions involved;				
Derogations:	No 1032/2006. It shall not apply to flight data processing systems for which the flight data	ata are synchronis	ed by means of a common				

ITY-COTR	
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Implementation of ground-ground automated co-ordination processes

Supporting material(s):	EUROCONTROL - SPEC-107 - EUROCONTROL Specification for AT 3.3 / 07/2020	S Data Exchange Presen	tation (ADEXP) - Edition				
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ats-data-exchange-presentation-adexp						
	EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 / 07/2020						
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-lin	ne-data-interchange-oldi					
Finalisation criteria:	1 - The Initial Coordination process has been implemented, documented	ed and is in operational u	se.				
		From:	By:				
ITY-COTR-ASP04	Implement Revision of Coordination process	-	01/01/2009 31/12/2012				
Action by:	ANS Providers		0.1.12.2012				
Description & purpose:	Implement a process of revision of coordination of flight between ATC	units.					
besonption a purpose.							
	o-ordination data previou ge as a result of the modif						
	This process shall comply with the interoperability and performance rev No 1032/2006.	quirements specified in A	rt. 3 of Regulation (EC)				
Derogations:	It shall not apply to flight data processing systems for which the flight data are synchronised by means of a common system.						
Supporting material(s):	g material(s): EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) - Ec 3.3 / 07/2020						
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ats-data-exchange-presentation-adexp						
	EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On 07/2020	PEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 /					
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-lin	ne-data-interchange-oldi					
Finalisation criteria:	1 - The Revision of Coordination process has been implemented, docu	mented and is in operation	onal use.				
		From:	By:				
ITY-COTR-ASP05	Implement Abrogation of Coordination process	-	01/01/2009 31/12/2012				
Action by:	ANS Providers						
Description & purpose:	Implement a process of abrogation of coordination of flight between AT	C units.					
	An Abrogation of Coordination process is used to indicate to the receiv previously effected for a flight is being abrogated. The Abrogation of Coordination message is not a replacement for a Ca therefore, shall not be used to erase the basic flight plan data.	-					
	The abrogation of coordination process shall ensure association with the previous notification or coordination process that is being cancelled.						
	This process shall comply with the interoperability and performance requirements specified in Art. 3 of Regulation (EC) No 1032/2006.						
Derogations:	It shall not apply to flight data processing systems for which the flight d system.	ata are synchronised by	means of a common				
Supporting material(s):	EUROCONTROL - SPEC-107 - EUROCONTROL Specification for AT 3.3 / 07/2020	S Data Exchange Presen	tation (ADEXP) - Edition				
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-at EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On 07/2020	-Line Data Interchange (
	Url : <u>https://www.eurocontrol.int/publication/eurocontrol-specification-lir</u>						
Finalisation criteria:	1 - The Abrogation of Coordination process has been implemented, do		_				
		From:	By:				
ITY-COTR-ASP06	Implement Basic Flight Data process	-	01/01/2009 31/12/2012				
Action by:	ANS Providers						

ITY-COTR Implementation of ground-ground automated co-ordination processes

Description & purpose:	Implement a process for the provision of basic flight data between ATC units which:						
	 Forwards basic flight data from civil units to military units and, if bilaterally agreed, from military units to civil units; Forwards basic flight data to an ATSU which requires information on the flight but whose airspace is not planned to be penetrated by the flight, e.g. where the route takes the flight close to the boundary and a Letter of Agreement exists requiring such flights to be notified of coordinated; Identifies the controller/console having the flight under control, particularly where it may not be apparent from the current position of the flight as is the case at a number of military units; Activates the system flight plan in the receiving unit, if necessary; Allows correlation of radar data with flight plan data. 						
	This process shall comply with the interoperability and performance req No 1032/2006.	uirements specified in A	rt. 3 of Regulation (EC)				
Derogations:	It shall not apply to flight data processing systems for which the flight data are synchronised by means of a common system.						
Supporting material(s): EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS Data Exchange Presentation (ADE 3.3 / 07/2020							
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ats	s-data-exchange-presen	tation-adexp				
	EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On- 07/2020		OLDI) - Edition 5.0 /				
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-lin						
Finalisation criteria:	1 - The Basic Flight Data process has been implemented, documented						
ITY-COTR-ASP07	Implement Change to Basic Flight Data process	From: -	By: 01/01/2009 31/12/2012				
Action by:	ANS Providers						
Description & purpose:	Implement a process for change to basic flight data between ATC units						
	The Change to Basic Flight Data process is for the unit controlling the fl - All significant changes to flight data previously sent to this unit with a fl - All flight data required to be notified by bilateral agreement and not inc Change to Basic Flight Data . This process shall comply with the interoperability and performance req	Basic Flight Data / Chang cluded in the Basic Flight	ge to Basic Flight Data; Data or previous				
Derogations:	Regulation (EC) No 1032/2006. It shall not apply to flight data processing systems for which the flight data system.	ata are synchronised by	means of a common				
Supporting material(s):	EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS 3.3 / 07/2020	5 Data Exchange Presen	tation (ADEXP) - Edition				
	Url : <u>https://www.eurocontrol.int/publication/eurocontrol-specification-ats-data-exchange-presentation-adexp</u> EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 / 07/2020						
	Url : https://www.eurocontrol.int/publication/eurocontrol-specification-lin	· · · · · · · · · · · · · · · · · · ·					
Finalisation criteria:	1 - The Change to Basic Flight Data process has been implemented, do	ocumented and is in ope					
		From:	By:				
ITY-COTR-ASP10	Develop safety assessment	-	01/01/2009 31/12/2012				
Action by:	ANS Providers						
Description & purpose:	Develop a safety assessment of system's changes to support notification ATC units. This safety assessment shall be carried out in accordance with Art. 6 of		Ũ				
	(coordination and transfer) and Commission Implementing Regulation (
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 2016/1377 and amending Regulation (EU) No 677/2011 03/2017	down common requiren nent network functions a	nents for providers of air and their oversight,				
	Url : https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:	32017R0373&from=EN					
	EUROCONTROL - Air Navigation Systems Safety Assessment Method Url : https://www.eurocontrol.int/tool/safety-assessment-methodology		.1 / 11/2006				
Finalisation criteria:	 Safety assessment has been performed. If the conditions specified in Art. 9 of Regulation (EC) 1034/2011 are 		ent to be reviewed by				
ITY-COTR-ASP11	the NSA;- Introduction into service of changes has been accepted by th Organise training to Air Traffic Control personnel		By:				
	Unable training to Air Trattic Control personnel	From:	DV.				

Implementation of ground-ground automated co-ordination processes

	-	31/12/2012			
ANS Providers	1				
and ensure that: - All personnel are made aware of the requirements laid down in Regula	tion (EC) No 1032	2/2006 and adequately trained;			
 Air Navigation Service Providers have produced the operations manuals and the training programmes. All relevant personnel have been trained. 					
	From:	By:			
Implement Basic Flight Data process	-	01/01/2009 31/12/2012			
Military Authorities					
 Forwards basic flight data from civil units to military units and, if bilaterally agreed, from military units to civil units; Forwards basic flight data to an ATSU which requires information on the flight but whose airspace is not planned to be penetrated by the flight, e.g. where the route takes the flight close to the boundary and a LoA exists requiring such flights to be notified of coordinated; Identifies the controller/console having the flight under control, particularly where it may not be apparent from the current position of the flight plan in the receiving unit, if necessary; Activates the system flight plan in the receiving unit, if necessary; Allows correlation of radar data with flight plan data. Information subject to the basic flight data process shall provide as a minimum: aircraft identification, SSR mode and code. This process shall comply with the interoperability and performance requirements specified in Art. 3 of Regulation (EC)					
It shall not apply to flight data processing systems for which the flight data are synchronised by means of a common					
EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) - Edition 3.3 / 07/2020					
	· ·				
	×				
1 - The Basic Flight Data process has been implemented, documented a	· ·				
Implement Change to Basic Flight Data process	From:	By: 01/01/2009			
		31/12/2012			
Military Authorities					
Implement a process for the transmission of changes to basic flight data	between ATC un	its (civil and military).			
 All significant changes to flight data previously sent to this unit with a B All flight data required to be notified by bilateral agreement and not incl Change to Basic Flight Data Information subject to the basic flight data process shall provide as a mic code. The process shall comply with the interoperability and performance required. 	asic Flight Data / luded in the Basic nimum: aircraft ide	Change to Basic Flight Data ; Flight Data or previous entification, SSR mode and			
It shall not apply to flight data processing systems for which the flight da	ta are synchronise	ed by means of a common			
It shall not apply to flight data processing systems for which the flight data are synchronised by means of a common system. EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS Data Exchange Presentation (ADEXP) - Edition 3.3 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ats-data-exchange-presentation-adexp EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 5.0 / 07/2020					
Url : https://www.eurocontrol.int/publication/eurocontrol-specification-ats	ine Data Intercha	nge (OLDI) - Edition 5.0 /			
	In line with the date of applicability for the putting into service of the syst and ensure that: - All personnel are made aware of the requirements laid down in Regula - Operations manuals and working methods comply with requirements s Annex I, Parts A, B and D. 1 - Air Navigation Service Providers have produced the operations manuals - All relevant personnel have been trained. Implement Basic Flight Data process Military Authorities Implement a process for the transmission of basic flight data between A - Forwards basic flight data from civil units to military units and, if bilater - Forwards basic flight data to an ATSU which requires information on the pentrated by the flight, e.g. where the route takes the flight close to the flights to be notified of coordinated; - Identifies the controller/console having the flight under control, particule current position of the flight as is the case at a number of military units; - Activates the system flight plan in the receiving unit, if necessary; - Allows correlation of radar data with flight plan data. Information subject to the basic flight data process shall provide as a mic code. This process shall comply with the interoperability and performance requints No 1032/2006. It shall not apply to flight data processing systems for which the flight da system. EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS 3.3 / 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-atts EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-I 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-atts EUROCONTROL - SPEC-106 - EUROCONTROL Specification for On-I 07/2020 Url : https://www.eurocontrol.int/publication/eurocontrol-specification-lined 1 - The Basic Flight Data process is for the unit controlling the flight - All significant changes to flight data process is for the unit controlling the flight - All significant changes to flight data process shall provide as a mic code. The pro	In line with the date of applicability for the putting into service of the system, develop and i and ensure that: - All personnel are made aware of the requirements laid down in Regulation (EC) No 1032 - Operations manuals and working methods comply with requirements specified in Regula Annex I, Parts A, B and D. - Air Navigation Service Providers have produced the operations manuals and the trainit 2 - All relevant personnel have been trained. - Implement Basic Flight Data process - Military Authorities Implement a process for the transmission of basic flight data between ATC units (civil and - Forwards basic flight data from civil units to military units and, if bilaterally agreed, from - Forwards basic flight data from civil units to military units and, if bilaterally agreed, from - Forwards basic flight data from civil units to military units and, if bilaterally agreed, from - Forwards basic flight diata an ATSU which requires information on the flight but whose penetrated by the flight, e.g. where the route takes the flight close to the boundary and a L flights to be notified of coordinated; - Identifies the controller/console having the flight under control, particularly where it may in current position of the flight as is the case at a number of military unit; - Activates the system flight plan in the receiving unit, if necessary; - Allows correlation of radar data with flight plan data. Information subject to the basic flight data process shall provide as a minimum: aircraft ide code. This process shall comply with the interoperability and performance requirements specifie No 1032/2006. It shall not apply to flight data processing systems for which the flight data are synchronise system. EUROCONTROL - SPEC-107 - EUROCONTROL Specification for ATS Data Exchange-P EUROCONTROL - SPEC-107 - EUROCONTROL Specification flight data between ATC un The Change to Basic Flight Data process has been implemented, documented and is in operation <i>From</i> : - Military Authorities Implement a pr			