



ATC17 — Electronic Dialogue as Automated Assistance to Controller during Coordination and Transfer

The operational context of electronic dialogue as automated assistance to controller during coordination and transfer addresses the facilities and processes between ATC components serving ATC units for the purpose of achieving:

1. The electronic dialogue in co-ordination prior to the transfer of flights from one ATC unit to the next.

In the scope of this objective the implementers should use the following OLDI messages in order to perform an electronic dialogue :

- Referred Activate Proposal Message (RAP);
- Referred Revision Proposal Message (RRV)
- Co-ordination Message (CDN)
- Acceptance Message (ACP)
- Reject Co-ordination Message (RJC)
- Stand-by Message (SBY)

2. The transfer of communication from one ATC unit to the next ATC unit of such flights.

In the scope of this objective the implementers should use the following OLDI messages in order to perform an electronic dialogue:

- Change of Frequency Message (COF)
- Manual Assumption of Communications Message (MAS)
- Transfer Initiation Message (TIM)
- Supplementary Data Message (SDM)
- Hand-Over Proposal Message (HOP)
- Request on Frequency Message (ROF)

3. The coordination processes that support the exchange of OLDI messages related to the Basic procedure, specifically Preliminary Activation Message (PAC) and, if applicable, SSR Code Assignment Message (COD).

The system permits controllers to conduct screen to screen coordination between adjacent ATSU's / sectors reducing workload associated with coordination, integration and identification tasks. The system supports coordination dialogue between controllers and transfer of flights between ATSU's, and facilitates early resolution of conflicts through inter ATSU/sector coordination.

NOTE: This objective complements the (mandatory) requirements of basic notification, coordination and transfer functionalities which were covered in Implementation objective ITY-COTR (achieved in 2015) and regulated by Regulation (EC) No 1032/2006.

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.

Edition	2019
Stakeholders	Air Navigation Service Provider
Type	SESAR
Scope	ECAC+
Status	Active

Context

Related Elements



Applicability Area(s) and Timescales

Applicability Area: All ECAC+ States except: Ireland, Slovak Republic, Ukraine

Timescales	From	By	Applicable to
Initial operational capability	01-01-2013	-	Applicability Area
Full operational capability	-	31-12-2018	Applicability Area

Links to ATM Master Plan Level 2

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Links to SESAR Solutions

Code	Title	Program	Related Elements
No record found			

Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

 ICAO Block Modules: No associated data

References

Applicable legislation

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

Applicable ICAO Annexes and other references

ICAO Doc 4444 - PANS ATM

Deployment Programme 2019

Family 3.2.1 - Upgrade of ATM systems (NM, ANSPs, AUs) to support Direct Routings (DCTs) and Free Routing Airspace (FRA)

Operating Environments

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Expected Performance Benefits

Safety	Reduction of human error due to automation of controller tasks during coordination and transfer.
Capacity	Reduction of controller workload compared to conventional processes without automated support.
Operational efficiency	More efficient planning and operational decision making.
Cost efficiency	-
Environment	-
Security	-

Stakeholder Lines of Action

Code	Title	From	By	Related Enablers
REG01	Conduct safety oversight of the changes	DELETED		
ASP01	Develop safety assessment for the changes	01-01-2013	31-12-2018	
ASP02	Upgrade and put into service ATC system to support the Basic procedure (specifically PAC and COD)	01-01-2013	31-12-2018	
ASP03	Upgrade and put into service ATC system to support electronic dialogue procedure in Transfer of communication process	01-01-2013	31-12-2018	
ASP04	Upgrade and put into service ATC system to support electronic dialogue procedure in Coordination process	01-01-2013	31-12-2018	
ASP05	Train ATC staff for applying electronic dialogue procedure	01-01-2013	31-12-2018	

Supporting Material

Title	Related SLoAs
EUROCONTROL - EAM 4 - ESARR 4 - Risk Assessment and Mitigation in ATM - Edition 1.0 / 04/2001 https://www.eurocontrol.int/publication/esarr-4-risk-assessment-and-mitigation-atm	ASP01
EUROCONTROL - SPEC 106 - EUROCONTROL Specification for On-Line Data Interchange (OLDI) - Edition 4.3 - OJ 2011/C 146/11 / 12/2017 https://www.eurocontrol.int/publication/eurocontrol-specification-line-data-interchange-oldi	ASP01, ASP02, ASP03, ASP04, ASP05
EUROCONTROL - System Supported Coordination (SYSCO) Implementation Guidelines - Edition 2.0 / 03/2011 -	ASP02, ASP03, ASP04, ASP05

Consultation & Approval

Working Arrangement in charge	Unassigned
Outline description approved in	03/2012
Latest objective review at expert level	04/2012
Commitment Decision Body	Provisional Council (PC)
Objective approved/endorsed in	07/2012
Latest change to objective approved/endorsed in	07/2014