OBJ 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 ATSUs / sectors reducing workload associated with coordination, integration and identification tasks. The system supports coordination dialogue between controllers and transfer of flights between ATSUs, and facilitates early resolution of conflicts through inter ATSU/sector coordination.
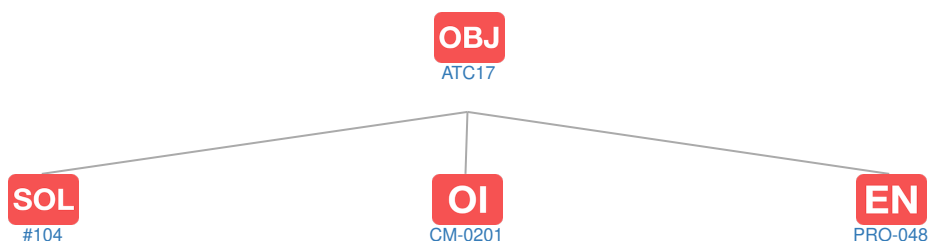
NOTE: This objective complements the (mandatory) requirements of basic notification, coordination and transfer functionalities which were covered in Implementation objective ITY-COTR (achieved in 2015) and regulated by Regulation (EC) No 1032/2006.

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	2022
Stakeholders	Air Navigation Service Provider
Type	SESAR
Scope	ECAC+
Status	Removed

Context

Related Elements

Applicability Area(s) and Timescales

Applicability Area: All ECAC States except: Slovak Republic, Ukraine. Plus: Israel, Morocco

Timescales	From	By	Applicable to
Initial operational capability	01-01-2013	-	Applicability Area
Full operational capability	-	01-01-2022	Applicability Area

Links to ATM Master Plan Level 2

OI Operational Improvment Steps

Code	Title	IOC	FOC	Related Elements
CM-0201	Automated Assistance to Controller for Seamless Coordination, Transfer and Dialogue	-	-	SOL OI EN OBJ DS ICAO

EN Enablers

Code	Title	IOC	Related Elements
PRO-048	ATC Procedures to implement screen to screen coordination for transfer of control conditions	-	OI DS

SOL Links to SESAR Solutions

Code	Title	Program	Related Elements
#104	Sector Team Operations - En-route Air Traffic Organiser	SESAR1	OI OBJ DS EOC ICAO

PCP Links to PCP ATM Sub-Functionalities

Code	Title	Related Elements
No record found		

ICAO Block Modules: No associated data

Source: European ATM Portal - **Report produced:** 09-04-2024 - **Date refresh:** 28-09-2023
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

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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 2022
-
Operating Environments
Terminal Airspace
En-Route
Network

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	01-01-2022	
ASP02	Upgrade and put into service ATC system to support the Basic procedure (specifically PAC and COD)	01-01-2013	01-01-2022	
ASP03	Upgrade and put into service ATC system to support electronic dialogue procedure in Transfer of communication process	01-01-2013	01-01-2022	
ASP04	Upgrade and put into service ATC system to support electronic dialogue procedure in Coordination process	01-01-2013	01-01-2022	**EN**
ASP05	Train ATC staff for applying electronic dialogue procedure	01-01-2013	01-01-2022	

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 - EAM 4/GUI 1 - Explanatory Material on ESARR 4 Requirements - Edition 2.0 / 03/2005 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 5.0 / 07/2020 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

Source: European ATM Portal - **Report produced:** 09-04-2024 - **Date refresh:** 28-09-2023
 EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2022

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