INTERNATIONAL CIVIL AVIATION ORGANISATION

EUROPEAN AIR NAVIGATION PLAN

Volume II, PART III – CNS

SUPPLEMENT

TABLE AFS-2

FLIGHT MESSAGE TRANSPORT PROTOCOL DATABASE

Created by ATC Unit at Eurocontrol – December 2024

NOT TO BE USED

FOR OPERATIONAL PURPOSES

1.   GENERAL

1.1   Table AFS-2 is a Supplement to the European Region Air Navigation Plan, Volume II, Part III - CNS (ICAO Doc 7754).

1.2   The Table depicts existing and planned international connectivity in support of automated data exchange between ATS units using the OLDI application.
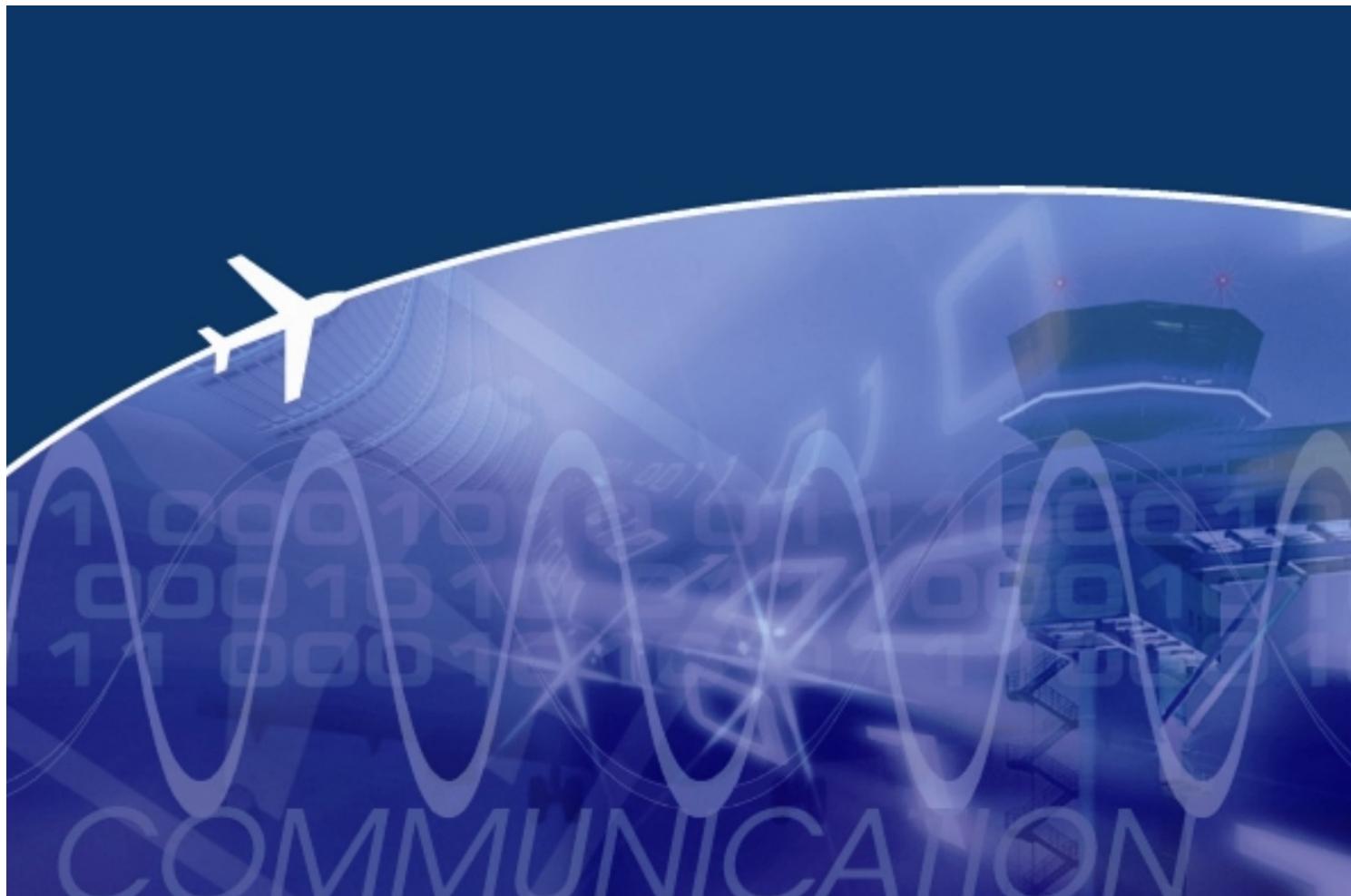
1.3   The above information is collected in the frame of the EUROCONTROL FMTP database and regularly updated by States.

2.   EXPLANATION OF THE TABLE

Column Heading	Explanation
Local ATS Unit	Local ATS Unit Location Indicator (ICAO Doc 7910 refers)
Remote ATS Unit	Remote ATS Unit Location Indicator (ICAO Doc 7910 refers)
Type of Circuit	L – Landline M – Multiplexer N – Network R – Radio S – Satellite
Type of Protocol	OLDI/FDE ICD (X.25) OLDI/FMTP (TCP/IP) Other (in this case the type shall be described in the remarks field).
Status of Implementation	I - Implemented, for circuits that already operate. P - Planned, for circuits that are planned to operate in the near future. If the implementation date is known, shall be indicated in brackets in the Remarks field.
Remarks	Free Text. (e.g. description of a type of connection other than those specified, implementation date of a planned connection, existence of a back up circuit, or any other comments that might be useful.

3.   ABBREVIATIONS

ATS   Air Traffic Service
FDE   Flight Data Exchange
FMTP   Flight Message Transport Protocol
ICD   Interface Control Document
OLDI   On-line Data Interchange

EIPR-FMTP Report

ICAO Report

06/12/2024

Area:

All

Countries:

All

EUROCONTROL

EUROCONTROL FMTP Database Report

Albania

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LAAA	LGGG	Network	Operational	11/01/2023	IPv4	FMTP Status Implemented
LAAA	LGGG	X25	Operational	30/12/2008		No FMTP Implementation Status information until now
LAAA	LGMD	Network	Operational	11/01/2023	IPv4	FMTP Status Implemented
LAAA	LGMD	X25	Operational	30/12/2008		No FMTP Implementation Status information until now
LAAA	LIBB	Network	Operational	15/06/2022	IPv6	
LAAA	LWSK	X25	Operational	30/12/2005		
LAAA	LYBA	Network	Operational	02/12/2021	IPv6	

EUROCONTROL FMTP Database Report

Algeria

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
DAAA	GMMM	Leased line	Planned		IPv4	
DAAA	GMMM	Leased line	Planned	30/12/2016	IPv4	
DAAA	LECB	X25	Not Planned			
DAAA	LECB	Leased line	Operational	30/04/2021	IPv4	
DAAA	LFMM	X25	Operational			
DAAA	LFMM	Leased line	Planned	30/12/2016	IPv4	

EUROCONTROL FMTP Database Report

Andorra

Armenia

EUROCONTROL FMTP Database Report

Austria

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LOVV	EDMM	Network	Operational	24/11/2014	IPv6	
LOVV	EDUU	Network	Operational	24/11/2014	IPv6	
LOVV	LDZO	Network	Operational	30/09/2013	IPV6 Virtual	X-Bone Network within FAB-CE (using IPv6 / NAT-PT).
LOVV	LHCC	Network	Operational	10/02/2014	IPV6 Virtual	X-Bone Network within FAB-CE (using IPv6 / NAT-PT).
LOVV	LIPP	Network	Operational	09/04/2015	IPv6	
LOVV	LJLA	Network	Operational	16/12/2014	IPv6	
LOVV	LKAA	Network	Operational	15/10/2012	IPV6 Virtual	X-Bone Network within FAB-CE (using IPv6 / NAT-PT).
LOVV	LSAZ	Network	Operational	01/02/2017	IPv6	
LOVV	LZBB	Network	Operational	22/05/2014	IPV6 Virtual	X-Bone Network within FAB-CE available (using IPv6 / NAT-PT).

EUROCONTROL FMTP Database Report

Belarus

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
UMMV	EPWW	X25	Operational			No FMTP Implementation Status information until now
UMMV	EPWW	Network	Not Planned			No FMTP Implementation Status information until now

EUROCONTROL FMTP Database Report

Belgium

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EBBU	EDGG	Network	Operational	14/10/2014	IPv6	
EBBU	EDYY	Network	Operational	12/04/2011	IPv6	Reachable via RAPNET (RAPNET also gateway for PENS and FABIEN networks)
EBBU	EGTT	Network	Operational	02/03/2013	IPv6	Reachable via RAPNET (RAPNET also gateway for PENS and FABIEN networks)
EBBU	EHAA	Network	Operational	18/12/2014	IPv6	
EBBU	ELLX	Network	Operational	01/03/2013	IPv6	Reachable via RAPNET (RAPNET also gateway for PENS and FABIEN networks)
EBBU	LFEE	Network	Operational	14/12/2020	IPv6	
EBBU	LFFF	Network	Operational	14/12/2020	IPv6	

EUROCONTROL FMTP Database Report

Bosnia and Herzegovina

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LQSB	LDZO	Leased line	Operational	12/11/2014	IPv6 Leased Line	
LQSB	LYBA	Leased line	Operational	12/11/2014	IPv6 Leased Line	

Bulgaria

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LBSR	LGGG	Leased line	Operational	07/04/2021	IPv4	The BULATSA ATC system is FMTP ready but there are still no operational FMTP connections. The earliest start of interoperability testing has been moved to the end of April 2012.
LBSR	LRBB	Leased line	Operational	13/10/2014	IPv6 Leased Line	
LBSR	LRCK	Leased line	Operational	13/10/2014	IPv6 Leased Line	
LBSR	LTAA	Leased line	Operational	24/03/2015	IPv6 Leased Line	
LBSR	LWSK	X25	Operational	31/07/2004		
LBSR	LYBA	Leased line	Operational	29/05/2014	IPv6 Leased Line	
LBSR	UKOV	X25	Operational			

EUROCONTROL FMTP Database Report

Croatia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LDZO	LHCC	Network	Operational	27/06/2013	IPV6 Virtual	X-Bone
LDZO	LIBB	Network	Operational	26/02/2015	IPV6 Virtual	
LDZO	LIPP	Network	Operational	24/11/2014	IPV6 Virtual	
LDZO	LJLA	Network	Operational	06/11/2013	IPV6 Virtual	
LDZO	LOVV	Network	Operational	30/09/2013	IPV6 Virtual	X-Bone
LDZO	LQSB	Leased line	Operational	12/11/2014	IPv6 Leased Line	
LDZO	LYBA	Leased line	Operational	06/10/2014	IPv6 Leased Line	

EUROCONTROL FMTP Database Report

Cyprus

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LCCC	HECC	Leased line	Planned		IPv4	
LCCC	HECC	X25	Planned	03/03/2026		Leased Line
LCCC	LGGG	Network	Planned		IPv6	IPv6
LCCC	LGGG	Leased line	Operational	19/11/2014	IPv4	IPv4 via dedicated redundant routers

EUROCONTROL FMTP Database Report

Czech Republic

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LKAA	EDMM	Network	Operational	03/02/2011	IPV6 Virtual	FMTP connected on IPv4 to ANS CR TCP/IP network CADIN. CADIN performs translation to IPv6. CADIN is interconnected with DFS ATC via NewPENS
LKAA	EDUU	Network	Operational	03/02/2011	IPV6 Virtual	FMTP connected on IPv4 to ANS CR TCP/IP network CADIN. CADIN performs translation to IPv6. CADIN is interconnected with DFS ATC via NewPENS
LKAA	EPWW	Network	Operational	02/09/2015	IPV6 Virtual	FMTP connected on IPv4 to ANS CR TCP/IP network CADIN. CADIN performs translation to IPv6. CADIN is interconnected with WA via leased circuit
LKAA	LOVV	Network	Operational	15/10/2012	IPV6 Virtual	FMTP connected on IPv4 to ANS CR TCP/IP network CADIN. CADIN performs translation to IPv6. CADIN is interconnected with neighbouring ANSPs via IPv6, (FABCE X-Bone network with Bratislava, Vienna)
LKAA	LZBB	Network	Operational	14/04/2012	IPV6 Virtual	FMTP connected on IPv4 to ANS CR TCP/IP network CADIN. CADIN performs translation to IPv6. CADIN is interconnected with neighbouring ANSPs via IPv6, (FABCE X-Bone network with Bratislava, Vienna)

EUROCONTROL FMTP Database Report

Denmark

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EKDK	EDUU	Network	Operational	04/03/2015	IPv6	
EKDK	EDWW	Network	Operational	04/03/2015	IPv6	
EKDK	EDYY	Network	Operational	06/05/2015	IPv6	
EKDK	EGPX	Network	Operational	25/06/2015	IPv6	Physical connection via Swanwick - Messages from EKDK logically routed to EGPX
EKDK	EGTT	Network	Operational	25/06/2015	IPv6	
EKDK	EHAA	Network	Operational	17/12/2013	IPv6	
EKDK	ENOS	Network	Operational	10/12/2013	IPv4	
EKDK	ESMM	Network	Operational	16/03/2015	IPv6	

EUROCONTROL FMTP Database Report

EUROCONTROL EEC

EUROCONTROL FMTP Database Report

EUROCONTROL MUAC

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDYY	EBBU	Network	Operational	13/04/2011	IPv6	Connection is supported over to CBN and PENS for redundancy.
EDYY	EDGG	Network	Operational	16/09/2014	IPv6	The front-end is connected to CBN and PENS.
EDYY	EDMM	Network	Operational	16/09/2014	IPv6	The front-end is connected to CBN and PENS.
EDYY	EDUU	Network	Operational	16/09/2014	IPv6	The front-end is connected to CBN and PENS.
EDYY	EDWW	Network	Operational	16/09/2014	IPv6	The front-end is connected to CBN and PENS.
EDYY	EGTT	Network	Operational	13/02/2013	IPv6	The front-end is connected to CBN and PENS.
EDYY	EHAA	Network	Operational	22/03/2015	IPv6	The front-end is connected to CBN and PENS.
EDYY	EHMC	Network	Operational	22/03/2015	IPv4	The front-end is connected to CBN and PENS.
EDYY	EHMC	Network	Not Planned		IPv6	The front-end is connected to CBN and PENS.
EDYY	EKDK	Network	Operational	06/05/2015	IPv6	The front-end is connected to CBN and PENS.
EDYY	LFEE	Network	Operational	09/12/2020	IPv6	The front-end is connected to CBN and PENS.
EDYY	LFFF	Network	Operational	09/12/2020	IPv6	The front-end is connected to CBN and PENS.

EUROCONTROL NM

EUROCONTROL FMTP Database Report

Estonia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EETT	EFIN	X25	Operational			
EETT	EFIN	Network	Planned	21/04/2024	IPV6 Virtual	TATCI ATM system capability tested and ready. network and FMTF is currently in testing.
EETT	ESMM	Network	Operational	13/09/2015	IPV6 Virtual	EETT is waiting PENS connection
EETT	ESOS	Network	Operational	13/09/2015	IPV6 Virtual	
EETT	EVRR	Network	Operational	15/01/2015	IPv4	

EUROCONTROL FMTP Database Report

Finland

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EFIN	EETT	X25	Operational			
EFIN	EETT	Network	Planned		IPv6	
EFIN	ENBD	Network	Operational	30/10/2020	IPv6	
EFIN	ESMM	Network	Operational	30/10/2020	IPv6	
EFIN	ESOS	Network	Operational	30/10/2020	IPv6	

EUROCONTROL FMTP Database Report

France

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LFBB	LECB	Network	Operational	16/03/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 11/03/2020) via national gateways and firewalls.
LFBB	LECM	Network	Not Planned		IPV6 Virtual	
LFBB	LECM	Network	Operational	20/01/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 11/03/2020) via national gateways and firewalls.
LFEE	EBBU	Network	Operational	20/01/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFEE	EBBU	Network	Operational	15/12/2020	IPv6	
LFEE	EDGG	Network	Operational	15/12/2014	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFEE	EDGG	Network	Operational	15/12/2020	IPv6	
LFEE	EDUU	Network	Operational	15/12/2014	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LFEE	EDUU	Network	Operational	15/12/2020	IPv6	
LFEE	EDYY	Network	Operational	11/12/2020	IPv6	
LFEE	EDYY	Network	Operational	21/12/2014	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFEE	EGTT	Network	Operational	09/05/2022	IPv6	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFEE	ELLX	Network	Operational	14/04/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFEE	ELLX	Network	Operational	09/12/2020	IPv6	
LFEE	LSAG	Network	Operational	25/01/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFEE	LSAG	Network	Operational	10/12/2020	IPv6	
LFEE	LSAZ	Network	Operational	10/12/2020	IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LFEE	LSAZ	Network	Operational	25/01/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFFF	EBBU	Network	Operational	20/01/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFFF	EBBU	Network	Operational	15/12/2020	IPv6	
LFFF	EDYY	Network	Operational	15/12/2020	IPv6	
LFFF	EDYY	Network	Operational	21/12/2014	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFFF	EGTT	Network	Operational	09/05/2022	IPv6	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFFF	ELLX	Network	Operational	14/04/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFFF	ELLX	Network	Operational	08/12/2020	IPv6	
LFFF	LSAG	Network	Operational	15/12/2020	IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LFFF	LSAG	Network	Operational	25/01/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFMM	DAAA	Network	Not Planned			Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFMM	DAAA	X25	Operational			Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFMM	LECB	Network	Operational	08/05/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 10/03/2020) via national gateways and firewalls.
LFMM	LIMM	Network	Operational	13/06/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 23/01/2020) via national gateways and firewalls.
LFMM	LIRR	Network	Operational	26/06/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 23/01/2020) via national gateways and firewalls.
LFMM	LSAG	Network	Operational	10/12/2020	IPv6	
LFMM	LSAG	Network	Operational	12/01/2015	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LFRR	EGGX	Network	Operational	09/05/2022	IPv6	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFRR	EGJJ	Network	Operational	26/09/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 02/12/2019) via national gateways and firewalls.
LFRR	EGTT	Network	Operational	09/05/2022	IPv6	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFRR	EISN	Network	Operational	09/06/2016	IPv6	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFRR	LECM	Network	Operational	08/06/2016	IPv4	Network infrastructure based on DSNA domestic WAN (RENAR IP) interconnected with NewPENS (since the 26/02/2020) via national gateways and firewalls.

EUROCONTROL FMTP Database Report

Georgia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
UGTB	LTAA	Leased line	Operational		IPv4	
UGTB	UDYZ	Leased line	Operational		IPv4	
UGTB	URRV	Network	Planned		IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDGG	EBBU	Network	Operational	14/10/2014	IPv6	Brussels addresses the former centers EDDF and EDDL, the front end processor in Langen manages the correct transformation and delivery of messages
EDGG	EDMM	Network	Operational	28/05/2014	IPv6	
EDGG	EDUU	Network	Operational	22/07/2014	IPv6	
EDGG	EDWW	Network	Operational	27/05/2014	IPv6	
EDGG	EDYY	Network	Operational	17/09/2014	IPv6	
EDGG	ELLX	Network	Operational	24/06/2014	IPv6	
EDGG	LFEE	Network	Operational	13/12/2020	IPv6	
EDGG	LSAZ	Network	Operational	25/05/2016	IPv6	
EDMM	EDGG	Network	Operational	28/05/2014	IPv6	
EDMM	EDUU	Network	Operational	25/06/2014	IPv6	
EDMM	EDWW	Network	Operational	24/06/2014	IPv6	
EDMM	EDYY	Network	Operational	17/09/2014	IPv6	
EDMM	EPWW	Network	Operational	04/02/2015	IPv6	
EDMM	LIPP	Network	Operational	17/03/2015	IPv6	
EDMM	LKAA	Network	Operational	23/07/2014	IPv6	
EDMM	LKAA	Network	Planned	30/11/2021	IPv6	
EDMM	LOVV	Network	Operational	24/11/2014	IPv6	
EDMM	LSAZ	Network	Operational		IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDUU	EDGG	Network	Operational	22/07/2014	IPv6	
EDUU	EDMM	Network	Operational	25/06/2014	IPv6	
EDUU	EDWW	Network	Operational	24/06/2014	IPv6	
EDUU	EDYY	Network	Operational	16/09/2014	IPv6	
EDUU	EKDK	Network	Operational	20/08/2014	IPv6	
EDUU	EPWW	Network	Operational	04/02/2015	IPv6	
EDUU	ESMM	Network	Operational	02/12/2014	IPv6	
EDUU	LFEE	Network	Operational	15/12/2014	IPv4	
EDUU	LFEE	Network	Operational	13/12/2020	IPv6	
EDUU	LIPP	Network	Operational	17/03/2015	IPv6	
EDUU	LKAA	Network	Planned	30/11/2021	IPv6	
EDUU	LKAA	Network	Operational	22/07/2014	IPv6	
EDUU	LOVV	Network	Operational	24/11/2014	IPv6	
EDUU	LSAZ	Network	Operational	25/05/2016	IPv6	
EDWW	EDGG	Network	Operational	27/05/2014	IPv6	
EDWW	EDMM	Network	Operational	24/06/2014	IPv6	
EDWW	EDUU	Network	Operational	24/06/2014	IPv6	
EDWW	EDYY	Network	Operational	16/09/2014	IPv6	
EDWW	EHAA	Network	Operational	10/12/2014	IPv6	
EDWW	EKDK	Network	Operational	20/08/2014	IPv6	
EDWW	EPWW	Network	Operational	04/02/2015	IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDWW	ESMM	Network	Operational	02/12/2014	IPv6	

EUROCONTROL FMTP Database Report

Greece

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LGGG	HECC	X25	Operational			
LGGG	HECC	Network	Planned		IPv4	
LGGG	LAAA	X25	Operational			
LGGG	LAAA	Network	Planned		IPv4	
LGGG	LBSR	Network	Planned	30/05/2014	IPv4	Leased Line
LGGG	LBSR	X25	Operational			
LGGG	LCCC	Network	Planned		IPv4	
LGGG	LCCC	X25	Planned			
LGGG	LIBB	X25	Operational			
LGGG	LIBB	Network	Planned	29/04/2014	IPv4	
LGGG	LIRR	Network	Planned	30/04/2014	IPv4	
LGGG	LIRR	X25	Operational			
LGGG	LMMM	X25	Operational			
LGGG	LMMM	Network	Planned		IPv4	
LGGG	LTBB	Network	Planned		IPv4	
LGGG	LTBB	X25	Operational			
LGMD	LAAA	Network	Planned		IPv4	
LGMD	LAAA	X25	Operational			
LGMD	LBSR	X25	Operational			
LGMD	LBSR	Network	Planned	30/05/2014	IPv4	Leased Line

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LGMD	LTBB	X25	Operational			
LGMD	LTBB	Network	Planned		IPv4	
LGMD	LWSK	X25	Operational			
LGMD	LWSK	Network	Planned		IPv4	

EUROCONTROL FMTP Database Report

Hungary

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LHCC	LDZO	Network	Operational	27/06/2013	IPV6 Virtual	
LHCC	LJLA	Network	Operational	23/02/2023	IPv6	
LHCC	LOVV	Network	Operational	09/02/2014	IPV6 Virtual	
LHCC	LRBB	Network	Operational	15/10/2014	IPV6 Virtual	
LHCC	LWSK	X25	Operational	02/04/2014		
LHCC	LYBA	Network	Operational	26/03/2014	IPv6	
LHCC	LZBB	Network	Operational	28/05/2014	IPV6 Virtual	
LHCC	UKLV	Network	Operational	20/06/2017	IPv4	

EUROCONTROL FMTP Database Report

Ireland

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EIDW	EGTT	Network	Operational	01/03/2016	IPv4	ERIN line, with PENS backup EIRN network to UK NATS.
EIDW	EISN	Network	Operational	10/12/2014	IPv4	IAANET (IAA IP Network) between EIDW and EISN. EIRN network to UK NATS.
EISN	EGTT	Network	Operational	08/06/2016	IPv4	ERIN line with PENS backup EIRN network to UK NATS. Planned connection to LFRR Brest.
EISN	EIDW	Network	Operational	10/12/2014	IPv4	IAANET (IAA IP Network) between EIDW and EISN. EIRN network to UK NATS. Planned connection to LFRR Brest.
EISN	LFRR	Network	Operational	08/06/2016	IPV6 Virtual	IAANET (IAA IP Network) between EIDW and EISN. EIRN network to UK NATS. Planned connection to LFRR Brest.

Israel

EUROCONTROL FMTP Database Report

Italy

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LIBB	LAAA	Network	Operational	26/07/2022	IPv6	
LIBB	LDZO	Network	Operational	05/11/2015	IPv6	
LIBB	LGGG	Network	Operational	23/11/2022	IPv4	
LIBB	LGGG	X25	Operational			
LIBB	LIPP	Network	Operational	30/06/2013	IPv4	
LIBB	LIRR	Network	Operational	29/04/2014	IPv4	
LIBB	LYBA	Network	Operational	05/03/2024	IPv6	
LIMM	LFMM	Network	Operational	07/07/2021	IPv6	
LIMM	LIPP	Network	Operational	31/01/2014	IPv4	Internal ENAV network
LIMM	LIRR	Network	Operational	29/04/2014	IPv4	Internal ENAV network
LIMM	LSAG	Network	Operational	31/08/2020	IPv6	
LIMM	LSAZ	Network	Operational	31/08/2020	IPv6	
LIPP	EDMM	Network	Operational	18/03/2015	IPv6	
LIPP	EDUU	Network	Operational	18/03/2015	IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LIPP	LDZO	Network	Operational	24/11/2014	IPv6	13.03.2012 :the ETIC tests successful on IPv4 and IPv6, client and server. At present, X25 OLDI connections via leased lines to all peers. FMTP connections will be provided via PENS network in general. Some X.25 links still remain connected to Italian ACC for that ACCs not provided with FMTP. At the time been PENS is not available in ENAV: FMTP SLOVENIA system Interoperability testing performed in Padua ACC back-to-back ENAV FMTP system on May 2011; FMTP DFS system Interoperability testing performed with Padua FMTP system, on ¿regional¿ network SETINET ¿IPv.4, on October 2011. Operational activation of FMTP Padua system with Munich FMTP system is foreseen for 26 of March 2012 E-NET IP National network interconnecting 4 national ACCs. E-NET is the gateway for PENS and for SETINET-IP, the common regional IP network used by Italy, France, Switzerland and Germany. International connections: FMTP system IP v.4 connected through E-NET to PENS and SETINET. The use of PENS is planned within year 2012.
LIPP	LIBB	Network	Operational	30/06/2013	IPv4	Internal ENAV network
LIPP	LIMM	Network	Operational	31/01/2014	IPv4	Internal ENAV network
LIPP	LIRR	Network	Operational	29/04/2014	IPv4	Internal ENAV network
LIPP	LJLA	Network	Operational	15/03/2015	IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LIPP	LOVV	Network	Operational	28/06/2015	IPv6	13.03.2012 :the ETIC tests successful on IPv4 and IPv6, client and server. At present, X25 OLDI connections via leased lines to all peers. FMTP connections will be provided via PENS network in general. Some X.25 links still remain connected to Italian ACC for that ACCs not provided with FMTP. At the time been PENS is not available in ENAV: FMTP SLOVENIA system Interoperability testing performed in Padua ACC back-to-back ENAV FMTP system on May 2011; FMTP DFS system Interoperability testing performed with Padua FMTP system, on ¿regional¿ network SETINET ¿IPv.4, on October 2011. Operational activation of FMTP Padua system with Munich FMTP system is foreseen for 26 of March 2012 E-NET IP National network interconnecting 4 national ACCs. E-NET is the gateway for PENS and for SETINET-IP, the common regional IP network used by Italy, France, Switzerland and Germany. International connections: FMTP system IP v.4 connected through E-NET to PENS and SETINET. The use of PENS is planned within year 2012.
LIPP	LSAZ	Network	Operational	31/08/2020	IPv6	
LIRR	DTTC	Network	Operational	23/09/2022	IPv4	
LIRR	LDZO	Network	Operational	19/06/2024	IPv6	
LIRR	LFMM	Network	Operational	07/07/2021	IPv6	
LIRR	LIMM	Network	Operational	29/04/2014	IPv4	Internal ENAV network

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LIRR	LIPP	Network	Operational	29/04/2014	IPv4	Internal ENAV network
LIRR	LMMM	Network	Operational	08/06/2022	IPv4	

EUROCONTROL FMTP Database Report

Kazakhstan

Kazakhstan

Kyrgyzstan

EUROCONTROL FMTP Database Report

Latvia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EVRR	EETT	Network	Operational	14/02/2023	IPV6 Virtual	
EVRR	ESMM	Network	Operational	09/02/2015	IPV6 Virtual	
EVRR	ESOS	Network	Operational	13/01/2016	IPV6 Virtual	
EVRR	EYVC	Network	Operational	18/05/2023	IPV6 Virtual	

EUROCONTROL FMTP Database Report

Lithuania

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EYVC	EPWW	Network	Operational	11/08/2019	IPv4	
EYVC	EVRR	Network	Operational	28/04/2023	IPv6	
EYVC	UMKK	Network	Operational	19/10/2014	IPv4	IPv4
EYVC	UMMV	Network	Operational	17/05/2021	IPv4	

EUROCONTROL FMTP Database Report

Luxembourg

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
ELLX	EBBU	Network	Planned	31/05/2012		
ELLX	EBBU	X25	Operational			
ELLX	EDGG	Network	Planned	31/05/2012		
ELLX	EDGG	X25	Operational			
ELLX	LFEE	Network	Planned	31/05/2012		
ELLX	LFEE	X25	Operational			
ELLX	LFFF	Network	Planned	31/05/2012		
ELLX	LFFF	X25	Operational			

EUROCONTROL FMTP Database Report

Malta

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LMMM	DTTC	X25	Operational			
LMMM	DTTC	Network	Planned			
LMMM	LGGG	Network	Planned			
LMMM	LGGG	X25	Operational			
LMMM	LIRR	X25	Operational			
LMMM	LIRR	Network	Planned			

EUROCONTROL FMTP Database Report

Monaco

Montenegro

EUROCONTROL FMTP Database Report

Morocco

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
GMAC	GCCC	Network	Operational	24/04/2018	IPv4	
GMAC	GMMM	Network	Planned	30/12/2022	IPv4	
GMAC	LPPC	Network	Operational	24/04/2018	IPv4	
GMMM	DAAA	Network	Planned			
GMMM	GCCC	Network	Operational	01/02/2018	IPv4	
GMMM	LPPC	Network	Operational	21/02/2018	IPv4	

EUROCONTROL FMTP Database Report

Netherlands

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EHAA	EBBU	Network	Operational	21/08/2013	IPv6	RAPNET
EHAA	EDWW	Network	Operational	21/08/2012	IPv6	RAPNET
EHAA	EDYY	Network	Operational	23/09/2012	IPv6	RAPNET
EHAA	EGTT	Network	Operational	15/05/2013	IPv6	RAPNET
EHAA	EHMC	Network	Operational	19/11/2019	IPv4	RAPNET
EHAA	EKDK	Network	Operational	17/12/2013	IPv6	RAPNET
EHMC	EDYY	Network	Operational	22/03/2015	IPv4	
EHMC	EDYY	Network	Not Planned		IPv6	

EUROCONTROL FMTP Database Report

North Macedonia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LWSK	LAAA	X25	Operational	30/04/2006		
LWSK	LAAA	Network	Planned			
LWSK	LBSR	X25	Operational	31/07/2004		
LWSK	LBSR	Network	Planned			
LWSK	LGMD	X25	Operational	31/07/2004		
LWSK	LGMD	Network	Planned			
LWSK	LHCC	X25	Operational	02/04/2014		
LWSK	LYBA	X25	Operational	31/05/2005		
LWSK	LYBA	Network	Planned			

EUROCONTROL FMTP Database Report

Norway

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
ENBD	EFIN	Network	Planned	27/06/2017	IPV6 Virtual	Own BB network domesticaly (TDM network) PENS internationaly
ENBD	EFIN	X25	Operational			Own BB network domesticaly (TDM network) PENS internationaly
ENBD	ENOS	Network	Operational	27/11/2013	IPv4	Own BB network domesticaly (TDM network) PENS internationaly
ENBD	ESOS	Network	Operational	03/01/2017	IPv4	Own BB network domesticaly (TDM network) PENS internationaly
ENOS	EGPX	Network	Operational	31/10/2015	IPv4	
ENOS	EKDK	Network	Operational	10/12/2013	IPv4	Own BB network domesticaly (TDM network) PENS internationaly
ENOS	ENBD	Network	Operational	27/11/2013	IPv4	Own BB network domesticaly (TDM network) PENS internationaly
ENOS	ESMM	Network	Operational	03/01/2017	IPv4	Own BB network domesticaly (TDM network) PENS internationaly
ENOS	ESOS	Network	Operational	03/01/2017	IPv4	Own BB network domesticaly (TDM network) PENS internationaly

EUROCONTROL FMTP Database Report

Poland

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EPWW	EDMM	Network	Operational	04/02/2015	IPv6	
EPWW	EDUU	Network	Operational	04/02/2015	IPv6	
EPWW	EDWW	Network	Operational	04/02/2015	IPv6	
EPWW	ESMM	Network	Operational	11/03/2015	IPv6	
EPWW	EYVC	Leased line	Planned	29/06/2016	IPv4	
EPWW	EYVC	X25	Operational			
EPWW	LKAA	Network	Operational	03/09/2015	IPv6	
EPWW	LZBB	Network	Operational	07/12/2016	IPv6	
EPWW	UKLV	Leased line	Operational	22/11/2016	IPv6 Leased Line	
EPWW	UMKK	Leased line	Operational	10/06/2014	IPv4	
EPWW	UMMV	Network	Planned			
EPWW	UMMV	X25	Operational			

EUROCONTROL FMTP Database Report

Portugal

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LPFR	LPPC	Network	Operational	18/10/2022	IPv4	
LPMA	LPPC	Network	Operational	18/10/2022	IPv4	
LPPC	GCCC	Network	Operational	25/06/2014	IPv4	
LPPC	GMAC	Network	Operational	25/04/2018	IPv4	Connected through the AEFMP TDM network infrastructure
LPPC	GMMM	Network	Not Planned		IPv4	Substituted by the connection with the Agadir ACC peer on 26/04/2018. Not yet decommissioned.
LPPC	LECM	Network	Operational	04/06/2014	IPv4	
LPPC	LPFR	Network	Operational	18/10/2022	IPv4	
LPPC	LPMA	Network	Operational	18/10/2022	IPv4	
LPPC	LPPO	Network	Operational	18/10/2022	IPv4	
LPPC	LPPR	Network	Operational	18/10/2022	IPv4	
LPPC	LPPT	Network	Operational	18/10/2022	IPv4	
LPPO	GCCC	Network	Operational	14/11/2023	IPv4	
LPPO	LECM	Network	Operational	14/11/2023	IPv4	
LPPO	LPPC	Network	Operational	18/10/2022	IPv4	
LPPR	LPPC	Network	Operational	18/10/2022	IPv4	
LPPT	LPPC	Network	Operational	18/10/2022	IPv4	

Republic of Azerbaijan

EUROCONTROL FMTP Database Report

Republic of Moldova

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LUUU	LRBB	Leased line	Operational	18/02/2014	IPv6 Leased Line	
LUUU	UKBV	Network	Operational	18/02/2014	IPv4	
LUUU	UKLV	Leased line	Operational	22/11/2016	IPv4	
LUUU	UKOV	X25	Operational	02/02/2015		

EUROCONTROL FMTP Database Report

Romania

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LRAR	LHCC	Leased line	Operational	15/10/2014	IPv6 Leased Line	Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.
LRAR	LYBA	Leased line	Operational	09/04/2013	IPv6 Leased Line	Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.
LRBB	LBSR	Leased line	Operational	13/10/2014	IPv6 Leased Line	Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.
LRBB	LHCC	Leased line	Operational	15/10/2014	IPv6 Leased Line	Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.
LRBB	LUUU	Leased line	Operational	18/02/2014	IPv6 Leased Line	leased lines
LRBB	LYBA	Leased line	Operational	09/04/2013	IPv6 Leased Line	Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.
LRBB	UKLV	Leased line	Operational	13/11/2018	IPv6 Leased Line	Monitor new FMTP connection.
LRBB	UKLV	X25	Not Planned			In fact Post-operational.
LRBB	UKOV	X25	Operational			Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.
LRCK	LBSR	Leased line	Operational	13/10/2014	IPv6 Leased Line	Leased lines (clear channel), IPv4, IPv6 and X25 over tcp/ip.

Russian Federation

San Marino

EUROCONTROL FMTP Database Report

Serbia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LYBA	LAAA	Leased line	Operational	02/12/2021	IPv6 Leased Line	
LYBA	LBSR	Leased line	Operational	28/05/2014	IPv6 Leased Line	
LYBA	LDZO	Leased line	Operational	05/10/2014	IPv6 Leased Line	
LYBA	LHCC	Leased line	Operational	26/03/2014	IPv6 Leased Line	
LYBA	LIBB	Network	Operational	05/03/2024	IPv6	
LYBA	LQSB	Leased line	Operational	12/11/2014	IPv6 Leased Line	
LYBA	LRAR	Leased line	Operational	09/04/2013	IPv6 Leased Line	
LYBA	LRBB	Leased line	Operational	09/04/2013	IPv6 Leased Line	
LYBA	LWSK	Leased line	Planned	30/12/2016	IPv6 Leased Line	
LYBA	LWSK	X25	Operational	31/05/2005		

EUROCONTROL FMTP Database Report

Slovak Republic

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LZBB	EPWW	Network	Operational	07/12/2016	IPV6 Virtual	
LZBB	LHCC	Network	Operational	28/05/2014	IPV6 Virtual	over X-bone IPv6 network
LZBB	LKAA	Network	Operational	20/05/2012	IPV6 Virtual	FMTP validation completed, X-bone IPv6 network available, network validation ongoing, PENS under preparation
LZBB	LOVV	Network	Operational	22/05/2014	IPV6 Virtual	over X-bone IPv6 network network
LZBB	UKLV	Network	Operational	08/07/2020	IPV6 Virtual	

EUROCONTROL FMTP Database Report

Slovenia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LJLA	LDZO	Network	Operational	06/11/2013	IPv6	(Update 15-Oct-2010: the ETIC conformance tests are successful on IPv4 and IPv6, client and server) At present, X25 connections are provided via leased lines to all peers. FMTP connections will be provided via PENS network. The PENS will also be used for testing phase if available. If PENS is not available until testing, then some VPN tunnels will be established over public Internet to interconnect offline equipement.
LJLA	LHCC	Network	Operational	23/02/2023	IPv6	
LJLA	LIPP	Network	Operational	15/03/2015	IPv6	
LJLA	LOVV	Network	Operational	15/12/2014	IPv6	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
GCCC	GMAC	Network	Operational	14/02/2024	IPv4	Two public IP addresses: 193.148.4.6 and 193.148.4.14.
GCCC	GMMM	Network	Operational	14/02/2024	IPv4	Two public IP addresses: 193.148.4.6 and 193.148.4.14.
GCCC	LPPC	Network	Operational	25/06/2014	IPv4	Two public IP addresses: 193.148.4.6 and 193.148.4.14.
GCCC	LPPO	Network	Operational	14/11/2023	IPv4	Two public IP addresses: 193.148.4.6 and 193.148.4.14.
LECB	DAAA	Network	Operational		IPv4	Two public IP addresses: 193.148.4.5 and 193.148.4.13.
LECB	LFBB	Network	Operational	16/03/2016	IPv4	Two public IP addresses: 193.148.4.5 and 193.148.4.13.
LECB	LFMM	Network	Operational	08/05/2016	IPv4	Two public IP addresses: 193.148.4.5 and 193.148.4.13.
LECM	DAAA	Network	Operational		IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.
LECM	EGGX	Network	Operational	07/09/2015	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.
LECM	GMAC	Network	Operational	14/02/2024	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.
LECM	GMMM	Network	Operational	14/02/2024	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.
LECM	LFBB	Network	Operational	20/01/2016	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LECM	LFRR	Network	Operational	08/06/2016	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.
LECM	LPPC	Network	Operational	04/06/2014	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.
LECM	LPPO	Network	Operational	14/11/2023	IPv4	Two public IP addresses: 193.148.4.4 and 193.148.4.12.

EUROCONTROL FMTP Database Report

Last updated on: 12/09/2024

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
ESMM	EDUU	Network	Operational	02/12/2014	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EDUU	Network	Operational	02/12/2014	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EDWW	Network	Operational	02/12/2014	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EDWW	Network	Operational	02/12/2014	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EETT	Network	Operational	13/09/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EETT	Network	Operational	13/09/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EFIN	Network	Operational	04/11/2020	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EFIN	Network	Operational	04/11/2020	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EKDK	Network	Operational	16/03/2016	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EKDK	Network	Operational	13/03/2016	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	ENOS	Network	Operational	03/01/2017	IPv4	
ESMM	ENOS	Network	Operational	03/01/2017	IPv4	
ESMM	EPWW	Network	Operational	11/03/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EPWW	Network	Operational	11/03/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	ESOS	Network	Operational	17/03/2015	IPv4	LFV-ATN LFV internal network
ESMM	EVRR	Network	Operational	09/02/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESMM	EVRR	Network	Operational	09/02/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESOS	EETT	Network	Operational	13/09/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESOS	EETT	Network	Operational	13/09/2015	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESOS	EFIN	Network	Operational	04/11/2020	IPV6 Virtual	IPv4 to v6 is done within the LFV network

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
ESOS	EFIN	Network	Operational	04/11/2020	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESOS	ENBD	Network	Operational	03/01/2017	IPv4	
ESOS	ENBD	Network	Operational	03/01/2017	IPv4	
ESOS	ENOS	Network	Operational	03/01/2017	IPv4	
ESOS	ENOS	Network	Operational	03/01/2017	IPv4	
ESOS	ESMM	Network	Operational	17/03/2015	IPv4	LFV-ATN connection internal in Sweden
ESOS	ESRT	Network	Operational	30/09/2015	IPv4	NATN internal LFV network
ESOS	ESSA	Network	Planned	30/03/2022	IPv4	
ESOS	ESSA	X25	Operational			
ESOS	EVRR	Network	Operational	14/01/2016	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESOS	EVRR	Network	Operational	14/01/2016	IPV6 Virtual	IPv4 to v6 is done within the LFV network
ESRT	ESOS	Network	Operational	30/09/2015	IPv4	Internal LFV NATN connection
ESSA	ESOS	Network	Planned	08/12/2024	IPv4	
ESSA	ESOS	X25	Operational			

EUROCONTROL FMTP Database Report

Switzerland

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LSAG	LFEE	Network	Operational	09/12/2020	IPV6 Virtual	
LSAG	LFFF	Network	Operational	09/12/2020	IPV6 Virtual	
LSAG	LFMM	Network	Operational	09/12/2020	IPV6 Virtual	
LSAG	LIMM	Network	Operational	17/06/2020	IPV6 Virtual	
LSAG	LSAZ	Network	Operational		IPv4	
LSAZ	EDGG	Network	Operational	10/11/2020	IPV6 Virtual	
LSAZ	EDMM	Network	Operational	10/11/2020	IPV6 Virtual	
LSAZ	EDUU	Network	Operational	10/11/2020	IPV6 Virtual	
LSAZ	LFEE	Network	Operational	09/12/2020	IPV6 Virtual	
LSAZ	LIMM	Network	Operational	17/06/2020	IPV6 Virtual	
LSAZ	LIPP	Network	Operational	17/06/2020	IPV6 Virtual	
LSAZ	LOVV	Network	Operational	25/08/2020	IPV6 Virtual	
LSAZ	LSAG	Network	Operational		IPv4	

EUROCONTROL FMTP Database Report

Tajikistan

EUROCONTROL FMTP Database Report

Tunisia

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
DTTC	DAAA	Network	Not Planned			No FMTP Implementation Status information until now
DTTC	DAAA	X25	Planned			No FMTP Implementation Status information until now
DTTC	LIRR	X25	Operational			No FMTP Implementation Status information until now
DTTC	LIRR	Network	Not Planned			No FMTP Implementation Status information until now

Turkmenistan

EUROCONTROL FMTP Database Report

Türkiye

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LTBB	LGGG	Network	Not Planned			
LTBB	LGGG	X25	Not Planned			
LTBB	LGMD	X25	Not Planned			
LTBB	LGMD	Network	Not Planned			

EUROCONTROL FMTP Database Report

Ukraine

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
UKBV	LUUU	Network	Operational		IPv4	
UKBV	UKDV	Network	Operational	05/07/2015	IPv6	Backbone telecomunication network
UKBV	UKHV	Network	Operational		IPv6	Backbone telecomunication network
UKBV	UKLV	Network	Planned		IPv4	
UKBV	UKLV	X25	Operational			
UKBV	UKOV	X25	Operational			
UKBV	UKOV	Network	Planned		IPv4	Backbone telecomunication network
UKBV	UMMV	Leased line	Planned		IPv6 Leased Line	
UKBV	UMMV	X25	Operational			
UKDV	UKBV	Network	Operational	05/07/2015	IPv6	Backbone telecomunication network
UKDV	UKOV	X25	Operational			
UKDV	UKOV	Network	Planned	30/06/2018	IPv6	Backbone telecomunication network
UKDV	URRV	X25	Operational			
UKHV	UKBV	Network	Operational		IPv6	Backbone telecomunication network
UKLV	EPWW	Leased line	Operational	22/11/2016	IPv6 Leased Line	
UKLV	LHCC	Leased line	Operational	21/06/2017	IPv4	
UKLV	LRBB	Leased line	Operational	13/11/2018	IPv6 Leased Line	
UKLV	LRBB	X25	Operational			
UKLV	LUUU	Leased line	Operational	22/11/2016	IPv4	
UKLV	LZBB	Leased line	Planned		IPv4	

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Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
UKLV	LZBB	X25	Operational			
UKLV	UKBV	X25	Operational			
UKLV	UKBV	Network	Planned		IPv4	Backbone telecomunication network
UKLV	UMMV	X25	Operational			
UKLV	UMMV	Leased line	Planned		IPv6 Leased Line	
UKOV	LBSR	X25	Operational			
UKOV	LBSR	Leased line	Planned		IPv6 Leased Line	
UKOV	LRBB	Leased line	Planned		IPv6 Leased Line	
UKOV	LRBB	X25	Operational			
UKOV	LTAA	Leased line	Planned		IPv6 Leased Line	
UKOV	LTAA	X25	Operational			
UKOV	LUUU	Leased line	Planned		IPv6 Leased Line	
UKOV	LUUU	X25	Operational			
UKOV	UKBV	Network	Planned		IPv6	Backbone telecomunication network
UKOV	UKBV	X25	Operational			
UKOV	UKDV	Network	Planned		IPv6	Backbone telecomunication network
UKOV	UKDV	X25	Operational			

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United Kingdom

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EGGX	LECM	Network	Operational	06/09/2015	IPv4	
EGGX	LFRR	X25	Operational			
EGGX	LFRR	Network	Operational	29/03/2022	IPv6	
EGGX	LPPO	Network	Not Planned		IPv4	
EGGX	LPPO	X25	Operational			
EGPX	BIRD	Network	Operational	21/10/2018	IPv4	
EGPX	ENOS	Network	Operational	31/10/2015	IPv4	
EGTT	EBBU	Network	Operational	28/02/2013	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	EDYY	Network	Operational	15/02/2013	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	EGJJ	Network	Operational	26/04/2017	IPv4	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal

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Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EGTT	EHAA	Network	Operational	15/06/2015	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	EIDW	Leased line	Operational	01/03/2016	IPv4	ERIN
EGTT	EIDW	Network	Operational	01/03/2016	IPv4	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	EISN	Network	Operational	08/06/2016	IPv4	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	EISN	Leased line	Operational	08/06/2016	IPv4	ERIN
EGTT	EKDK	Network	Operational	24/06/2015	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal

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Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EGTT	LFEE	Network	Operational	13/04/2022	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	LFFF	Network	Operational	13/04/2022	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal
EGTT	LFRR	Network	Operational	29/03/2022	IPv6	All circuits will be connected via internal network and use NAT-PT to translate to IPv6 and IPv 4 as detailed below: 6 circuits will be via PENS IPv4 1 circuit will b e via PENS IPv6 2 circuits will be via leased line (E1) IPv4 ! circuit will be NATS internal

EUROCONTROL FMTP Database Report

Uzbekistan

Uzbekistan