

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 – October 2021

The designations employed and the presentation of the material in this publication do not imply the expression of any opinion whatsoever on the part of ICAO concerning the legal status of any country, territory, city or area of its authorities, or concerning the delimitation of its frontiers or boundaries.

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.

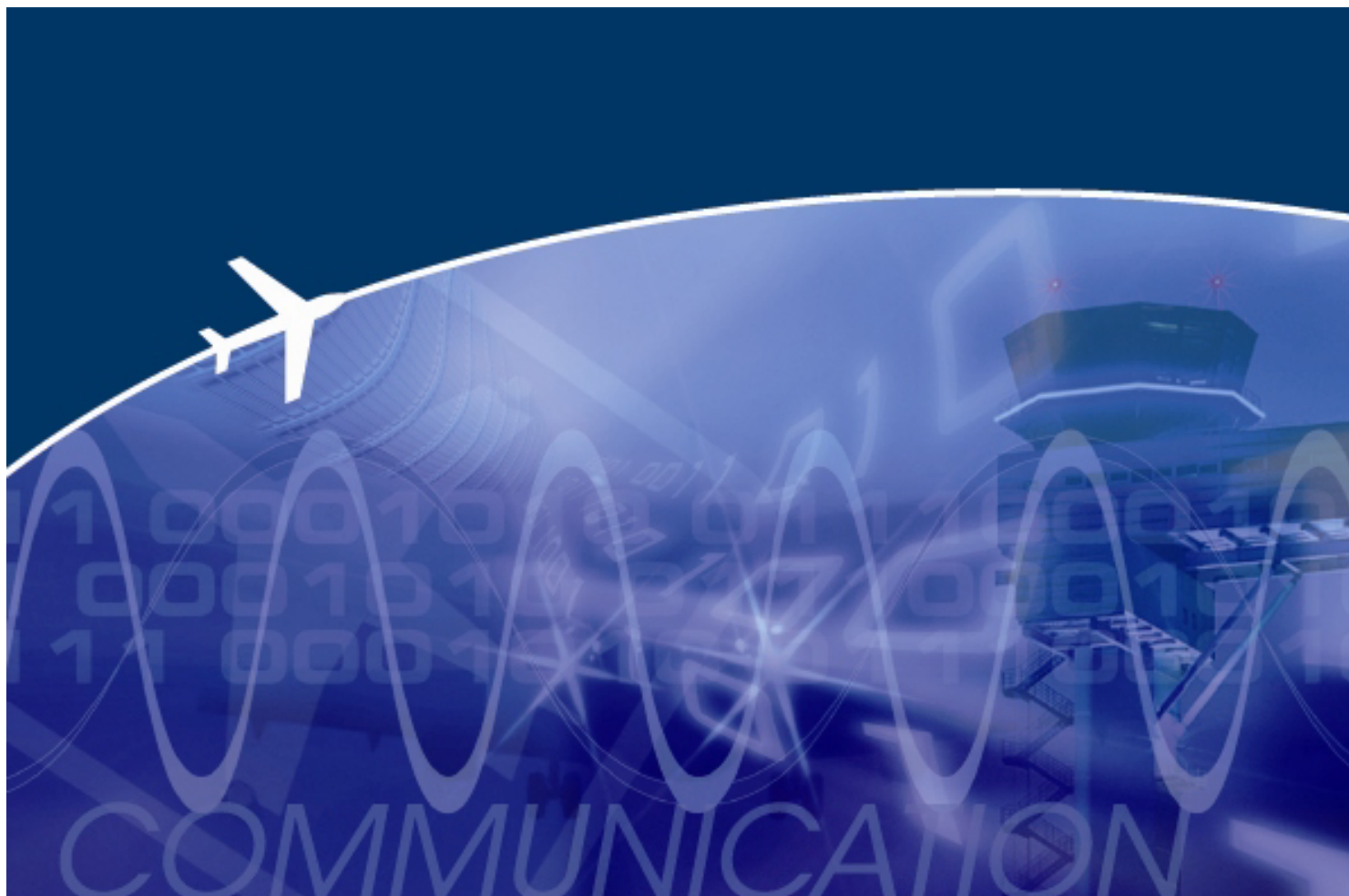
1.3 The above information is collected in the frame of the EUROCONTROL FMTP database and regularly updated by States.

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



FMTP Database 3.0 (Live) Report

ICAO Report

11/10/2021

Area:

All

Countries:

All



EUROCONTROL FMTP Database Report

Albania

Last updated on: 26/04/2018

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LAAA	LGGG	X25	Operational	30/12/2008	IPv4	No FMTP Implementation Status information until now
LAAA	LGGG	Network	Not Planned			No FMTP Implementation Status information until now
LAAA	LGMD	Network	Not Planned			No FMTP Implementation Status information until now
LAAA	LGMD	X25	Operational	30/12/2008	IPv4	No FMTP Implementation Status information until now
LAAA	LIBB	Network	Planned	14/06/2020	IPv6	
LAAA	LIBB	X25	Operational	30/12/2006	IPv4	
LAAA	LWSK	X25	Operational	30/12/2005	IPv4	
LAAA	LYBA	X25	Operational	13/06/2005	IPv4	
LAAA	LYBA	Network	Pre-operational	30/04/2020	IPv6	

EUROCONTROL FMTP Database Report

Algeria

Last updated on: 16/09/2014

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

EUROCONTROL FMTP Database Report

Andorra

EUROCONTROL FMTP Database Report

Austria

Last updated on: 11/10/2017

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

Last updated on: 22/04/2015

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

Last updated on: 17/04/2020

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	EDLL	Network	Operational	15/10/2014	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	21/01/2015	IPv4	
EBBU	LFEE	Network	Not Planned		IPv6	
EBBU	LFFF	Network	Not Planned		IPv6	
EBBU	LFFF	Network	Operational	21/01/2015	IPv4	

EUROCONTROL FMTP Database Report

Bulgaria

Last updated on: 17/06/2021

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	IPv4	
LBSR	LYBA	Leased line	Operational	29/05/2014	IPv6 Leased Line	
LBSR	UKOV	X25	Operational		IPv4	

EUROCONTROL FMTP Database Report

Croatia

Last updated on: 07/10/2014

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

Last updated on: 30/10/2018

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LCCC	HECC	X25	Planned	19/12/2020	IPv4	Leased Line
LCCC	HECC	Leased line	Planned		IPv4	
LCCC	LGGG	Leased line	Operational	19/11/2014	IPv4	IPv4 via dedicated redundant routers
LCCC	LGGG	Network	Planned		IPv6	IPv6

EUROCONTROL FMTP Database Report

Czech Republic

Last updated on: 06/04/2019

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 neighbouring ANSPs via IPv6, (FABCE X-Bone network with Bratislava, Vienna)
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 neighbouring ANSPs via IPv6, (FABCE X-Bone network with Bratislava, Vienna)
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 neighbouring ANSPs via IPv6, (FABCE X-Bone network with Bratislava, Vienna)
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

Last updated on: 24/10/2018

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	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 Maastricht UAC

Last updated on: 05/03/2021

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	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.
EDYY	EDGG	Network	Operational	16/09/2014	IPv6	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.
EDYY	EDLL	Network	Operational	22/07/2014	IPv6	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDYY	EDMM	Network	Operational	16/09/2014	IPv6	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.
EDYY	EDUU	Network	Operational	16/09/2014	IPv6	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.
EDYY	EDWW	Network	Operational	16/09/2014	IPv6	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.
EDYY	EGTT	Network	Operational	13/02/2013	IPv6	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDYY	EHAA	Network	Operational	22/03/2015	IPv6	
EDYY	EHMC	Network	Not Planned		IPv6	
EDYY	EHMC	Network	Operational	22/03/2015	IPv4	The front-end is connected to RAPNET (CBN). RAPNET is interconnected to the PENS and FABEC networks. Connection to NATS will be established via PENS. Connections to France will be established via the FABEC network. Connections to other partners will remain within RAPNET.
EDYY	EKDK	Network	Operational	06/05/2015	IPv6	
EDYY	LFEE	Network	Operational	09/12/2020	IPv6	
EDYY	LFFF	Network	Operational	09/12/2020	IPv6	

EUROCONTROL FMTF Database Report

Estonia

Last updated on: 10/11/2020

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EETT	EFIN	Network	Planned	29/06/2018	IPV6 Virtual	TATCI ATM system capability tested and ready. network and FMTF is currently in testing.
EETT	EFIN	X25	Operational		IPv4	
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

Last updated on: 17/11/2020

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EFIN	EETT	Network	Planned		IPv6	
EFIN	EETT	X25	Operational		IPV6 Virtual	
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

Last updated on: 16/09/2021

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	15/12/2020	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	EDUU	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
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.
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	EDYY	Network	Operational	11/12/2020	IPv6	
LFEE	EGTT	Network	Operational	26/06/2016	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	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	LSAG	Network	Operational	10/12/2020	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.

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	10/12/2020	IPv6	
LFEE	LSAZ	Network	Operational	25/01/2015	IPv4	Network infrastructure based on DSNR 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 DSNR 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	21/12/2014	IPv4	Network infrastructure based on DSNR domestic WAN (RENAR IP) interconnected with PENS (for non-FABEC ANSP) and SETINET (for FABEC ANSP) via national gateways and firewalls.
LFFF	EDYY	Network	Operational	15/12/2020	IPv6	
LFFF	EGTT	Network	Operational	26/06/2016	IPv4	Network infrastructure based on DSNR 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 DSNR 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	01/06/2016	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.
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	17/05/2016	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.
LFRR	EISN	Network	Operational	09/06/2016	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.
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

Last updated on: 04/03/2019

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
UGTB	LTAAL	X25	Operational		IPv4	
UGTB	UDYZ	Network	Pre-operational		IPv4	
UGTB	URRV	Network	Planned		IPv6	

EUROCONTROL FMTP Database Report

Germany

Last updated on: 01/07/2021

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	
EDGG	EDLL	Network	Operational	17/09/2014	IPv6	
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	
EDLL	EBBU	Network	Operational	15/10/2014	IPv6	
EDLL	EDGG	Network	Operational	17/09/2014	IPv6	
EDLL	EDUU	Network	Operational	23/07/2014	IPv6	
EDLL	EDWW	Network	Operational	22/07/2014	IPv6	
EDLL	EDYY	Network	Operational	22/07/2014	IPv6	
EDLL	EHAA	Network	Operational	10/12/2014	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	

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EDMM	LIPP	Network	Operational	17/03/2015	IPv6	
EDMM	LKAA	Network	Operational	23/07/2014	IPv6	
EDMM	LOVV	Network	Operational	24/11/2014	IPv6	
EDMM	LSAZ	Network	Operational		IPv6	
EDUU	EDGG	Network	Operational	22/07/2014	IPv6	
EDUU	EDLL	Network	Operational	23/07/2014	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	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	EDLL	Network	Operational	22/07/2014	IPv6	
EDWW	EDMM	Network	Operational	24/06/2014	IPv6	

EUROCONTROL FMTP Database Report

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

EUROCONTROL FMTP Database Report

Hungary

Last updated on: 24/06/2021

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	LOVV	Network	Operational	09/02/2014	IPV6 Virtual	
LHCC	LRBB	Network	Operational	15/10/2014	IPV6 Virtual	
LHCC	LWSK	X25	Operational	02/04/2014	IPv4	
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

Iceland

Last updated on: 08/04/2020

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
BIRD	EGPX	Network	Operational	22/10/2018	IPv4	
BIRD	ENSV	Network	Operational	30/04/2019	IPv4	

EUROCONTROL FMTP Database Report

Ireland

Last updated on: 09/11/2017

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

Last updated on: 14/07/2021

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LIBB	LAAA	X25	Operational	03/05/2007	IPv4	
LIBB	LDZO	Network	Operational	05/11/2015	IPv6	
LIBB	LGGG	X25	Operational			
LIBB	LIPP	Network	Operational	30/06/2013	IPv4	
LIBB	LIRR	Network	Operational	29/04/2014	IPv4	
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	<p>13.03.2012 :the ETIC tests successful on IPv4 and IPv6, client and server.</p> <p>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.</p> <p>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 IPv4, on October 2011.</p> <p>Operational activation of FMTP Padua system with Munich FMTP system is foreseen for 26 of March 2012</p> <p>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.</p> <p>The use of PENS is planned within year 2012.</p>
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	<p>13.03.2012 :the ETIC tests successful on IPv4 and IPv6, client and server.</p> <p>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.</p> <p>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 IPv4, on October 2011.</p> <p>Operational activation of FMTP Padua system with Munich FMTP system is foreseen for 26 of March 2012</p> <p>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.</p> <p>The use of PENS is planned within year 2012.</p>
LIPP	LSAZ	Network	Operational	31/08/2020	IPv6	
LIRR	DTTC	X25	Operational	01/01/2002		
LIRR	LFMM	Network	Operational	07/07/2021	IPv6	
LIRR	LIMM	Network	Operational	29/04/2014	IPv4	Internal ENAV network
LIRR	LIPP	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	LMMM	Leased line	Operational	29/11/2016	IPv4	Dedicated point-to-point Metro Ethernet

EUROCONTROL FMTP Database Report

Latvia

Last updated on: 01/07/2021

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
EVRR	EETT	Network	Operational	15/01/2015	IPv4	
EVRR	ESMM	Network	Operational	09/02/2015	IPV6 Virtual	
EVRR	ESOS	Network	Operational	13/01/2016	IPV6 Virtual	
EVRR	EYVC	Network	Operational	02/07/2013	IPv4	

EUROCONTROL FMTP Database Report

Lithuania

Last updated on: 25/06/2021

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	02/07/2013	IPv4	
EYVC	UMKK	Network	Operational	19/10/2014	IPv4	IPv4
EYVC	UMMV	Network	Operational	17/05/2021	IPv4	

EUROCONTROL FMTP Database Report

Luxembourg

Last updated on: 03/01/2019

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	X25	Operational			
LMMM	LGGG	Network	Planned			
LMMM	LIRR	Network	Planned			
LMMM	LIRR	X25	Operational			

EUROCONTROL FMTP Database Report

Moldova

Last updated on: 15/02/2019

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	Leased line	Operational	18/02/2014	IPv4	
LUUU	UKLV	Leased line	Operational	22/11/2016	IPv4	
LUUU	UKOV	Leased line	Operational	02/02/2015	IPv4	

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Monaco

EUROCONTROL FMTP Database Report

Morocco

Last updated on: 23/04/2018

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	LECS	Network	Operational	24/04/2018	IPv4	
GMAC	LPPC	Network	Operational	24/04/2018	IPv4	
GMMM	DAAA	Network	Planned			
GMMM	GCCC	Network	Operational	01/02/2018	IPv4	
GMMM	LECS	Network	Operational	27/02/2018	IPv4	
GMMM	LPPC	Network	Operational	21/02/2018	IPv4	

EUROCONTROL FMTP Database Report

Netherlands

Last updated on: 29/09/2021

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	EDLL	Network	Operational	29/05/2012	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

Last updated on: 02/03/2018

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	IPv4	
LWSK	LAAA	Network	Planned			
LWSK	LBSR	Network	Planned			
LWSK	LBSR	X25	Operational	31/07/2004	IPv4	
LWSK	LGMD	Network	Planned			
LWSK	LGMD	X25	Operational	31/07/2004	IPv4	
LWSK	LHCC	X25	Operational	02/04/2014	IPv4	
LWSK	LYBA	Network	Planned			
LWSK	LYBA	X25	Operational	31/05/2005	IPv4	

EUROCONTROL FMTP Database Report

Norway

Last updated on: 27/10/2017

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 domestically (TDM network) PENS internationaly
ENBD	EFIN	X25	Operational			Own BB network domestically (TDM network) PENS internationaly
ENBD	ENOS	Network	Operational	27/11/2013	IPv4	Own BB network domestically (TDM network) PENS internationaly
ENBD	ESOS	Network	Operational	03/01/2017	IPv4	Own BB network domestically (TDM network) PENS internationaly
ENOS	EGPX	Network	Operational	31/10/2015	IPv4	
ENOS	EKDK	Network	Operational	10/12/2013	IPv4	Own BB network domestically (TDM network) PENS internationaly
ENOS	ENBD	Network	Operational	27/11/2013	IPv4	Own BB network domestically (TDM network) PENS internationaly
ENOS	ESMM	Network	Operational	03/01/2017	IPv4	Own BB network domestically (TDM network) PENS internationaly
ENOS	ESOS	Network	Operational	03/01/2017	IPv4	Own BB network domestically (TDM network) PENS internationaly

EUROCONTROL FMTP Database Report

Poland

Last updated on: 08/12/2016

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	X25	Operational			
EPWW	EYVC	Leased line	Planned	29/06/2016	IPv4	
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	X25	Operational			
EPWW	UMMV	Network	Planned			

EUROCONTROL FMTP Database Report

Portugal

Last updated on: 04/05/2020

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LPFR	LECS	Network	Planned	27/03/2022	IPv6	
LPFR	LPPC	Network	Planned	29/06/2021	IPv4	
LPMA	LPPC	Network	Planned	29/09/2021	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	X25	Operational	19/11/2008	IPv4	Substituted by the connection with the Agadir ACC peer on 26/04/2018. Not yet decommissioned.
LPPC	GMMM	Network	Not Planned		IPv6	
LPPC	LECM	Network	Operational	04/06/2014	IPv4	
LPPC	LECS	Network	Operational	02/07/2014	IPv4	This link was disconnected on 29/05/2018. Since then, the OLDI protocol with Sevilla is being routed through the FMTP link with Madrid, which forwards the OLDI messages to and from the Sevilha's ATM system.
LPPC	LPFR	Network	Planned	29/06/2021	IPv4	
LPPC	LPMA	Network	Planned	29/09/2021	IPv4	
LPPC	LPPO	X25	Operational	16/03/2005	IPv4	
LPPC	LPPO	Network	Planned	31/01/2022	IPv4	
LPPC	LPPR	Network	Planned	30/03/2021	IPv4	
LPPC	LPPT	Network	Planned	25/11/2021	IPv4	
LPPO	EGGX	Network	Not Planned		IPv4	AIDC via AFTN

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LPPO	EGGX	X25	Operational	10/07/2001	IPv4	
LPPO	GCCC	Network	Planned		IPv4	
LPPO	GCCC	X25	Operational	12/08/2008	IPv4	
LPPO	LECM	Network	Planned		IPv4	
LPPO	LECM	X25	Operational	30/04/2002	IPv4	
LPPO	LPPC	Network	Planned	31/01/2022	IPv4	
LPPO	LPPC	X25	Operational	16/03/2005	IPv4	
LPPR	LECM	Network	Planned	29/03/2021	IPv4	
LPPR	LECM	X25	Operational	28/09/2004	IPv4	
LPPR	LPPC	Network	Planned	30/03/2021	IPv4	
LPPT	LPPC	Network	Planned	25/11/2021	IPv4	

EUROCONTROL FMTP Database Report

Republic of Moldova

EUROCONTROL FMTP Database Report

Romania

Last updated on: 23/09/2021

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		IPv4	In fact Post-operational.
LRBB	UKOV	X25	Operational		IPv4	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.

EUROCONTROL FMTP Database Report

San Marino

EUROCONTROL FMTP Database Report

Serbia

Last updated on: 22/11/2017

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
LYBA	LAAA	X25	Operational	13/06/2005	IPv4	
LYBA	LAAA	Leased line	Pre-operational	30/12/2016	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	X25	Operational	30/04/2006	IPv4	
LYBA	LIBB	Leased line	Planned	30/12/2016	IPv4	
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	IPv4	

EUROCONTROL FMTP Database Report

Slovakia

Last updated on: 30/06/2021

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

Last updated on: 21/09/2021

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 equipment.
LJLA	LIPP	Network	Operational	15/03/2015	IPv6	
LJLA	LOVV	Network	Operational	15/12/2014	IPv6	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 equipment.

EUROCONTROL FMTP Database Report

Spain

Last updated on: 08/07/2021

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
GCCC	GMMM	X25	Operational			
GCCC	GMMM	Network	Planned	06/02/2018	IPv4	
GCCC	LPPC	Network	Operational	25/06/2014	IPv4	Two PENS Ips
GCCC	LPPO	Network	Not Planned		IPv4	
LECB	LFBB	Network	Operational	16/03/2016	IPv4	
LECB	LFMM	Network	Operational	08/05/2016	IPv4	
LECM	EGGX	Network	Operational	07/09/2015	IPv4	
LECM	LFBB	Network	Operational	20/01/2016	IPv4	
LECM	LFRR	Network	Operational	08/06/2016	IPv4	
LECM	LPPC	Network	Operational	04/06/2014	IPv4	Two PENS Ips
LECM	LPPO	X25	Operational			
LECM	LPPO	Network	Not Planned		IPv4	
LECM	LPPR	Network	Planned	15/12/2018	IPv6	
LECP	LFMM	Network	Planned	16/05/2016	IPv4	
LECP	LFMM	X25	Operational			
LECS	GMMM	Network	Planned	05/02/2018	IPv4	
LECS	GMMM	Network	Operational	28/02/2018	IPv4	
LECS	LPPC	Network	Operational	02/07/2014	IPv4	Two PENS Ips

EUROCONTROL FMTP Database Report

Sweden

Last updated on: 06/10/2020

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	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	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	
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	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
ESOS	EETT	Network	Operational	13/09/2015	IPV6 Virtual	
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	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	X25	Operational			
ESOS	ESSA	Network	Planned	30/03/2022	IPv4	
ESOS	EVRR	Network	Operational	14/01/2016	IPv6	
ESRT	ESOS	Network	Planned	30/05/2013	IPv4	Internal LfV NATN connection
ESSA	ESOS	X25	Operational			

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Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
ESSA	ESOS	Network	Planned	31/12/2012		

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Switzerland

Last updated on: 01/07/2021

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	

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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

EUROCONTROL FMTP Database Report

Turkey

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			

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Ukraine

Last updated on: 20/07/2020

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 telecommunication network
UKBV	UKHV	Network	Operational		IPv6	Backbone telecommunication network
UKBV	UKLV	Network	Planned		IPv4	
UKBV	UKLV	X25	Operational		IPv4	
UKBV	UKOV	Network	Planned		IPv4	Backbone telecommunication network
UKBV	UKOV	X25	Operational		IPv4	
UKBV	UMMV	Leased line	Planned		IPv6 Leased Line	
UKBV	UMMV	X25	Operational		IPv4	
UKDV	UKBV	Network	Operational	05/07/2015	IPv6	Backbone telecommunication network
UKDV	UKOV	X25	Operational		IPv4	
UKDV	UKOV	Network	Planned	30/06/2018	IPv6	Backbone telecommunication network
UKDV	URRV	X25	Operational		IPv4	
UKHV	UKBV	Network	Operational		IPv6	Backbone telecommunication 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		IPv4	
UKLV	LUUU	Leased line	Operational	22/11/2016	IPv4	
UKLV	LZBB	X25	Operational			

EUROCONTROL FMTP Database Report

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

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United Kingdom

Last updated on: 15/07/2021

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	Network	Operational	31/05/2016	IPv4	
EGGX	LFRR	X25	Operational		IPv4	
EGGX	LPPO	X25	Operational			
EGGX	LPPO	Network	Not Planned		IPv4	
EGJJ	EGTT	Network	Operational	26/07/2017	IPv4	
EGJJ	LFRR	Network	Operational	01/10/2019	IPv4	
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

EUROCONTROL FMTP Database Report

Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
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
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	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	EIDW	Leased line	Operational	01/03/2016	IPv4	ERIN
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

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Local ATS Unit	Remote ATS Unit	Connection Type	Status of Implementation	Date of Operation	IP Type	Infrastructure Remarks
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
EGTT	LFEE	Network	Operational	26/06/2016	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	LFFF	Network	Operational	26/06/2016	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	LFRR	Network	Operational	18/05/2016	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

