



Crosspolar / TransEast Route ATM Providers Group Meeting (CPWG/30) State ATM Corporation Overview

ALEXEY BUEVICH
HEAD OF MAIN ATM CENTER OF RUSSIA – DEPUTY DIRECTOR GENERAL



SEPTEMBER 2021



State ATM Corporation

- 1 - Main ATM Center
- 13 - En-Route ATFM Centers
- 8 - ACCs
- 2 - TMA Control Centers
- 112 - Aerodrome Control Centers
- 227 - Towers
- 19 - Branches



26 mln km² - Area of Responsibility

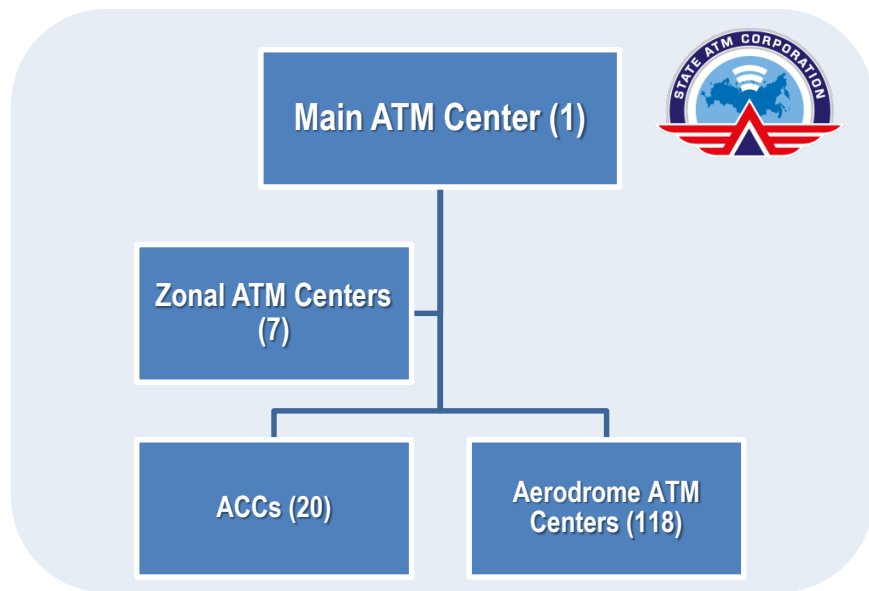
21 - Neighboring States



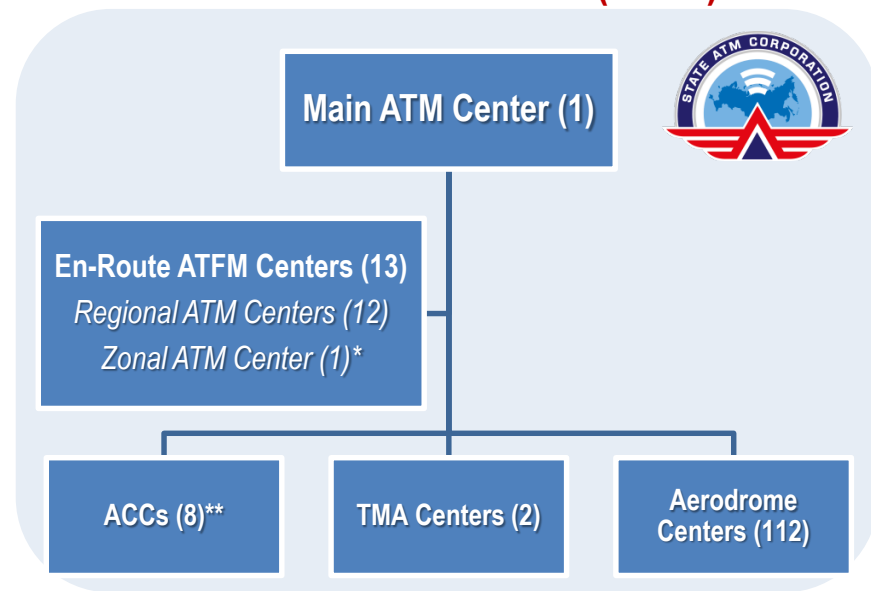
ATM System Structure in 2020/2021

Federal Aviation Transport Agency (FATA)

ATM Centers in 2020



ATM Centers in 2021 (15/07)

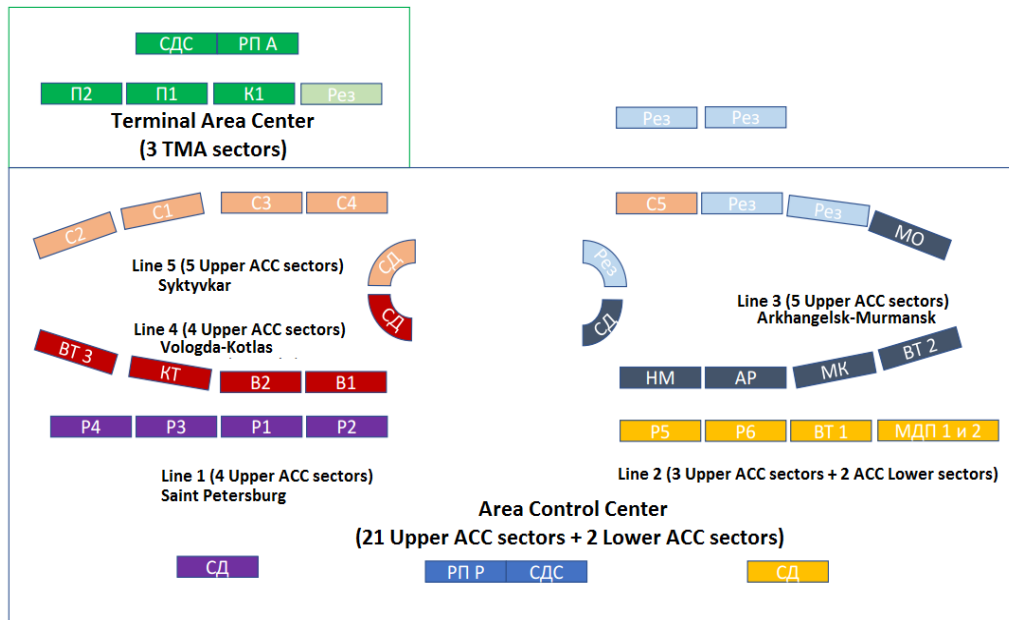
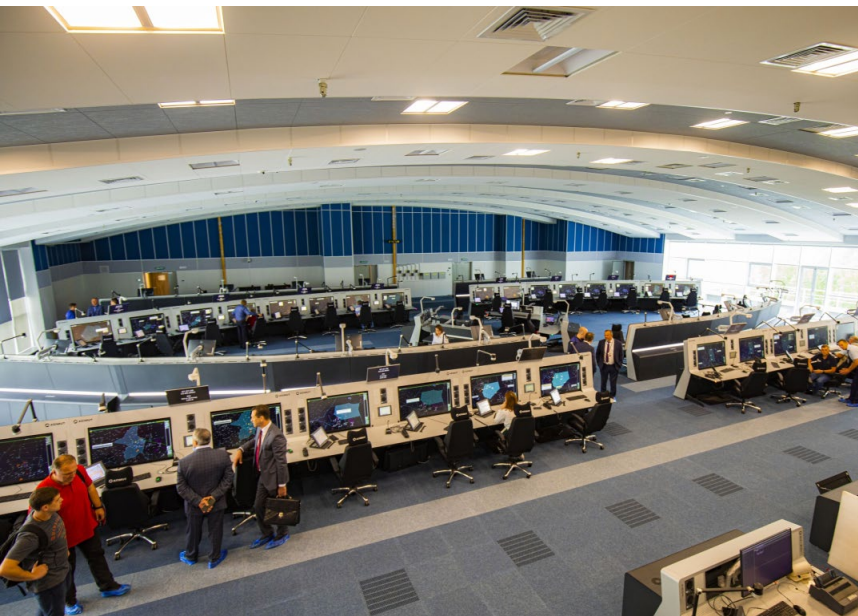


* - Saint Petersburg Zonal ATM Center will be reorganized into Regional ATM Center in DEC 2021

** - Petropavlovsk-Kamchatsky ACC will be excluded in DEC 2021



Saint Petersburg ATM Center





Saint Petersburg ATM Center





Traffic Density in JAN-AUG 2021

2021



Growth (comp. to 2020) **+24,6%**

IFR Flights

JAN-AUG



Transit

11.4%



DEP / ARR

88.6%



International

28.0%



Domestic

72.0%



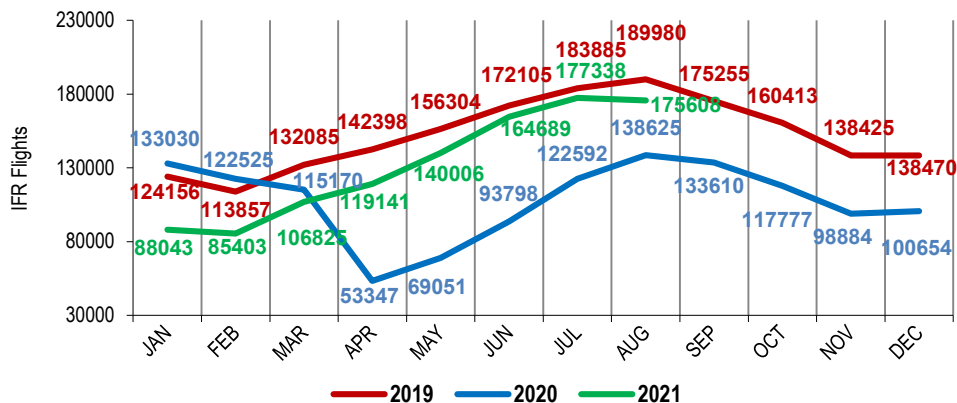
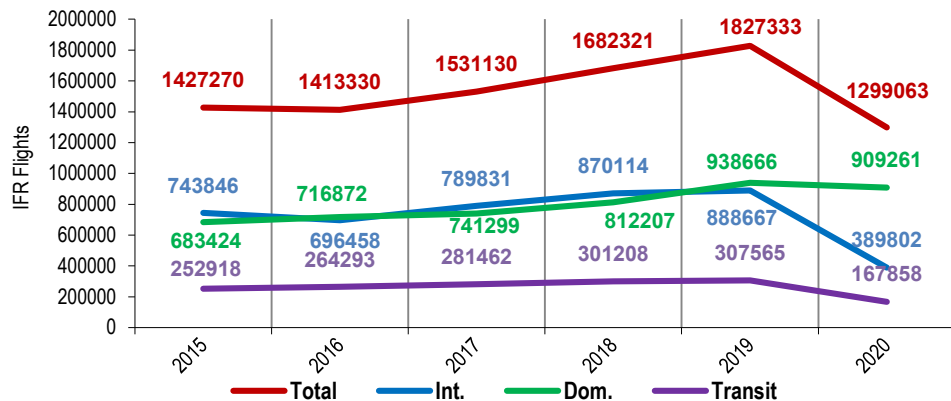
AS Users

>1700

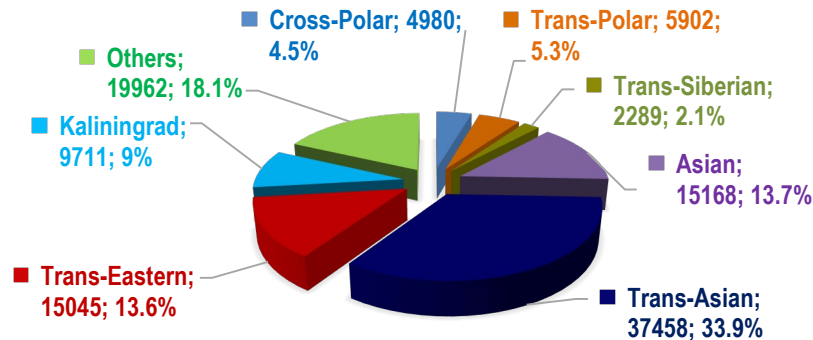
1 051 053 IFR Flights



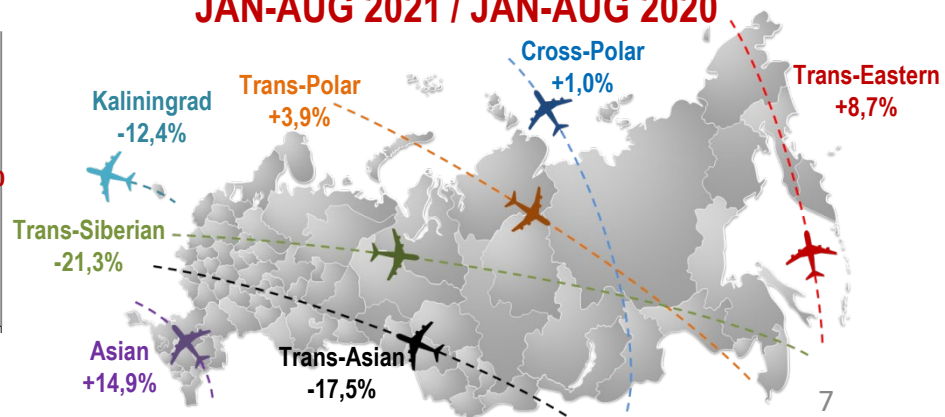
Traffic Density JAN-AUG 2020 / 2021



Traffic via Major ATS Routes in JAN-AUG 2021



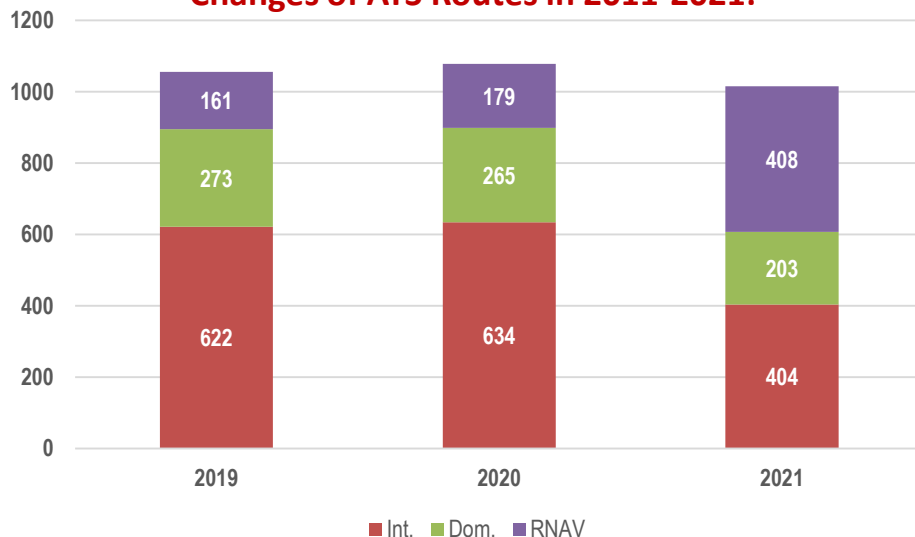
JAN-AUG 2021 / JAN-AUG 2020





ATS Routes

Changes of ATS Routes in 2011-2021:



As of August 2021 the total numbers of ATS routes increased to **1 015** (871 166 km), including:

- International airways – **404** (342 986 km)
- Domestic routes – **203** (103 922 km)
- RNAV routes – **408** (424 258 km)

- ✓ The new transit ATS routes are being implemented in a close coordination with Russian carriers, international airlines and IATA as well as neighboring States at various intentional forums such as RDGE, Eurasia Coordination Council and CPWG.
- ✓ Brand new international RNAV routes were implemented above FL265 in the upper airspace of the Russian Federation.
- ✓ Work is in progress to establish conditional routes in the Russian Federation.



Software for Online permission coordination (DEC 2021)

permit.matfmc.ru



Permissions Airlines 13:24 UTC Profile and settings

< All forms Permission number Form version Form History Send

INFORMATION ABOUT THE AIRLINE

1. Three-letter ICAO designation NCA NCA - Nippon Cargo Airlines, Co. Ltd 1.C State of registry JAPAN

NCA - NIPPON CARGO AIRLINES, CO. LTD Expand

AIRCRAFT

3. Aircraft identification of the main AC JA12KZ 3. Main aircraft type and model Boeing 747-8 (Intercontinental) BBJ

JA12KZ Expand

RESERVE AIRCRAFT

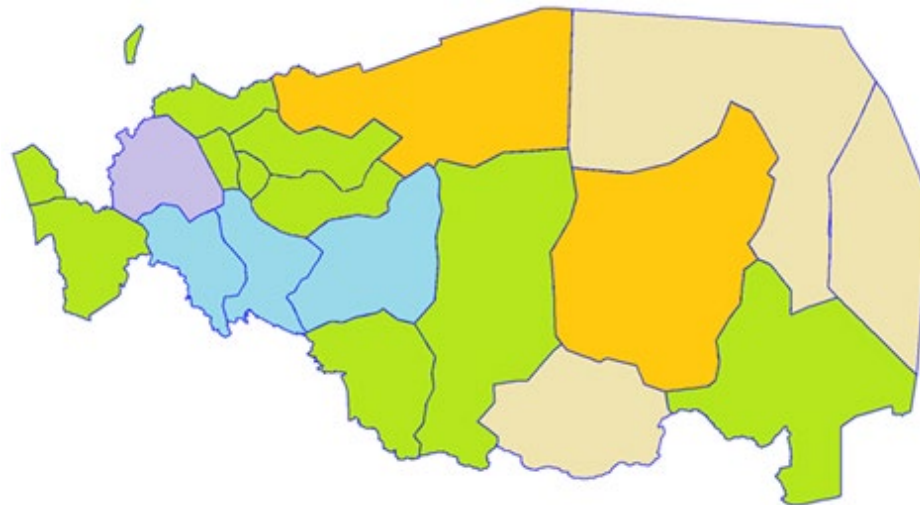
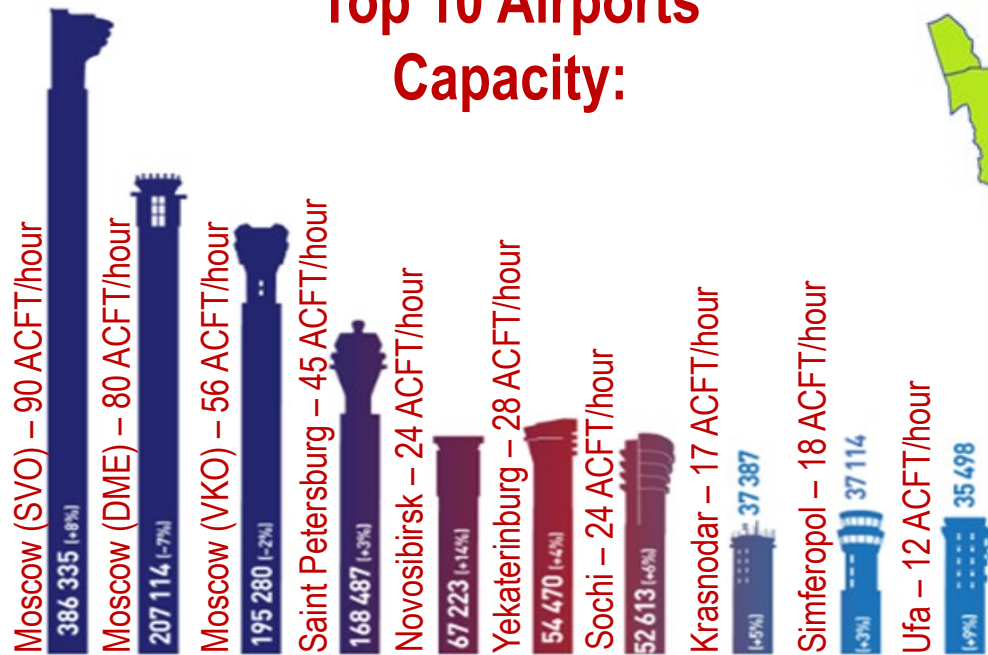
INFORMATION ABOUT FLIGHT

29.09.2021 NCA008 RJAA 23:30 → EHAM 10:30 Flight crew: 0 Cargo: 0 Passengers: 0 Repetitions: 0 Draft Add flight

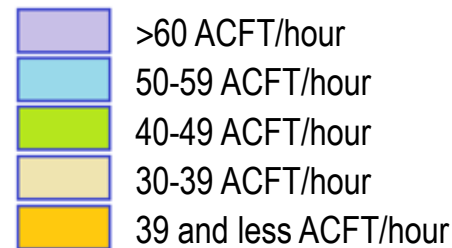
- Online service for quick filling out Forms R/N
- Personal account and intuitive interface with access to the Data base
- Reduce the waiting of approvals from Russian Aviation Authorities
- Further develop software functions for online airport slot coordination

ACCs & Top 10 Airports Capacity

Top 10 Airports Capacity:



ACCs Capacity:





Airspace Availability Bulletin (CDRs, TRAs)

<https://app.matfmc.ru/AgreedRoutesView/en?tab=cdr>

Home > Airspace Availability Bulletin

Russian version

CDR Temporary Reserved Areas		Segment		Level		Date ddmm UTC		Time hhmm UTC	
ATFM Unit Q	ATS Route Q	1	2	from	to	from	to	from	to
UIII	A492	OSKEN-AGANU	AGANU-OSKEN	F095	F530	1509	1509	1500	2359
UIII	A492	AGANU-AMUTA	AMUTA-AGANU	F095	F530	1409	1409	1500	2359
UIII	A492	AGANU-AMUTA	AMUTA-AGANU	F095	F530	1509	1509	0000	0059
UIII	A492	AGANU-AMUTA	AMUTA-AGANU	F095	F530	1509	1509	1500	2359
UHHH	A723	SEGUL-LAMKA		F110	F130	1409	1409	0000	2359
UHHH	A723	SEGUL-LAMKA		F110	F130	1509	1509	0000	2359
UHHH	A723	LAMKA-ARLAS	ARLAS-LAMKA	F110	F130	1409	1409	0000	2359
UHHH	A723	LAMKA-ARLAS	ARLAS-LAMKA	F110	F130	1509	1509	0000	2359
URRV	A805	GAMAN-OBUMA	OBUMA-GAMAN	F340	F530	1409	1409	1700	2359
URRV	A805	GAMAN-OBUMA	OBUMA-GAMAN	F410	F530	1409	1409	0700	1700
URRV	A805	OBUMA-OGAPA	OGAPA-OBUMA	F340	F530	1409	1409	0000	2359
URRV	A808	MOR-BASED		F105	F280	1409	1409	1900	2359
URRV	A808	MOR-BASED		F370	F510	1409	1409	0000	2359
URRV	A808	MOR-PLATI	PLATI-MOR	F105	F290	1409	1409	1900	2359
URRV	A808	PLATI-UNTUS	UNTUS-PLATI	F105	F290	1409	1409	1900	2359
URRV	A808	UNTUS-DORIR	DORIR-UNTUS	F110	F290	1409	1409	1900	2359
URRV	A808	DORIR-AMEPU	AMEPU-DORIR	F110	F290	1409	1409	0000	2359
UIII	A822	LONKA-NEDAG	NEDAG-LONKA	F265	F530	1409	1409	1500	2359
UIII	A822	LONKA-NEDAG	NEDAG-LONKA	F265	F530	1509	1509	0000	0059
UIII	A822	LONKA-NEDAG	NEDAG-LONKA	F265	F530	1509	1509	1500	2359
UIII	A822	NEDAG-RELIK	RELIK-NEDAG	F265	F530	1409	1409	1500	2359
UIII	A822	NEDAG-RELIK	RELIK-NEDAG	F265	F530	1509	1509	0000	0059
UIII	A822	NEDAG-RELIK	RELIK-NEDAG	F265	F530	1509	1509	1500	2359
UIII	A822	RELK-GUDMI	GUDMI-RELK	F265	F530	1409	1409	1500	2359
UIII	A822	RELK-GUDMI	GUDMI-RELK	F265	F530	1509	1509	0000	0059
UIII	A822	RELK-GUDMI	GUDMI-RELK	F265	F530	1509	1509	1500	2359
UIII	A822	GUDMI-AGANU	AGANU-GUDMI	F265	F530	1409	1409	1500	2359
UIII	A822	GUDMI-AGANU	AGANU-GUDMI	F265	F530	1509	1509	0000	0059
UIII	A822	GUDMI-AGANU	AGANU-GUDMI	F265	F530	1509	1509	1500	2359
UIII	A822	AGANU-BAPIR	BAPIR-AGANU	F265	F530	1409	1409	1500	2359
UIII	A822	AGANU-BAPIR	BAPIR-AGANU	F265	F530	1509	1509	0000	0059
UIII	A822	AGANU-BAPIR	BAPIR-AGANU	F265	F530	1509	1509	1500	2359
UIII	A822	BAPIR-LUTOG	LUTOG-BAPIR	F265	F530	1409	1409	1500	2359
UIII	A822	BAPIR-LUTOG	LUTOG-BAPIR	F265	F530	1509	1509	0000	0059
UIII	A822	BAPIR-LUTOG	LUTOG-BAPIR	F265	F530	1509	1509	1500	2359
UIII	A823	LETBI-BAMID	BAMID-LETBI	F135	F530	1409	1409	1500	2359
UIII	A823	LETBI-BAMID	BAMID-LETBI	F135	F530	1509	1509	0000	0059

XML

Temporary Reserved Areas

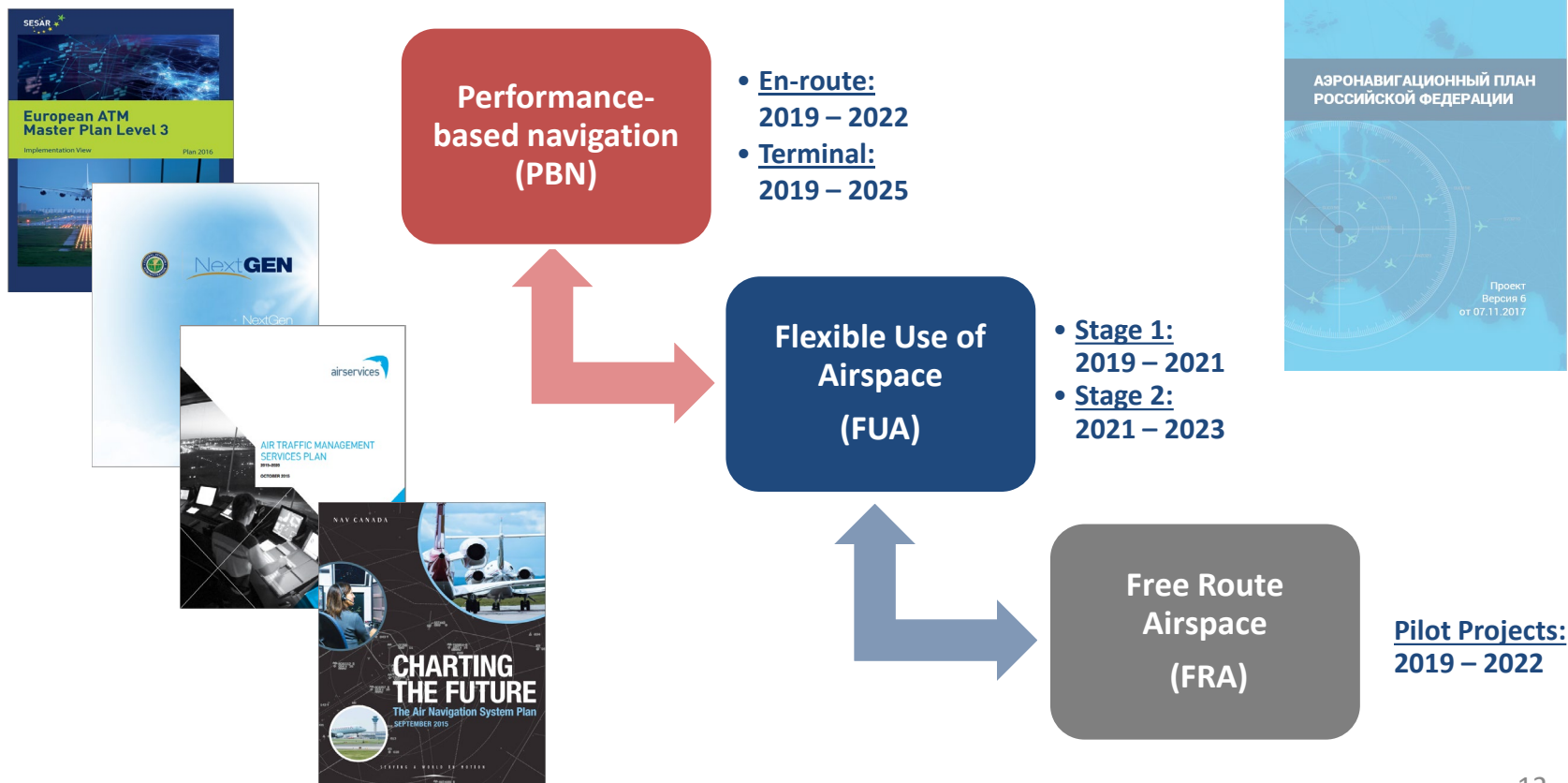
from 14.09.2021 to 19.09.2021

from 0930 to 0930

Clear filter

Total 1465

Free Route Airspace





AIC 09/21 - FRA in Magadan FIR and in Kaliningrad FIR

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СЛУЖБА АЭРОНАВИГАЦИОННОЙ ИНФОРМАЦИИ
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информации

AIC

09/21
13 SEP 2021

РОССИЯ
RUSSIA

IMPLEMENTATION OF FREE ROUTE AIRSPACE IN SECTOR OCEANIC OF MAGADAN FIR AND IN KALININGRAD FIR

This AIC is issued for the purpose to notify the airspace users in advance of implementation of free route airspace in a part of airspace of Sector Oceanic of Magadan FIR and in a part of airspace of Kaliningrad FIR.

With effect from March 24, 2022:

1. Within lateral limits of Sector Oceanic of Magadan FIR above FL265 up to FL540:
 - free route airspace will be implemented with operational availability of H24;
 - segments of RNAV routes will be cancelled;
 - flight planning and operations will be executed between the published significant points of free route airspace.
2. Within lateral limits of Kaliningrad FIR above FL265 up to FL540:
 - free route airspace will be implemented with operational availability of H24;
 - the existing ATS route network will remain unchanged;
 - flight planning and operations will be executed between the published significant points of free route airspace and/or via the published ATS routes.

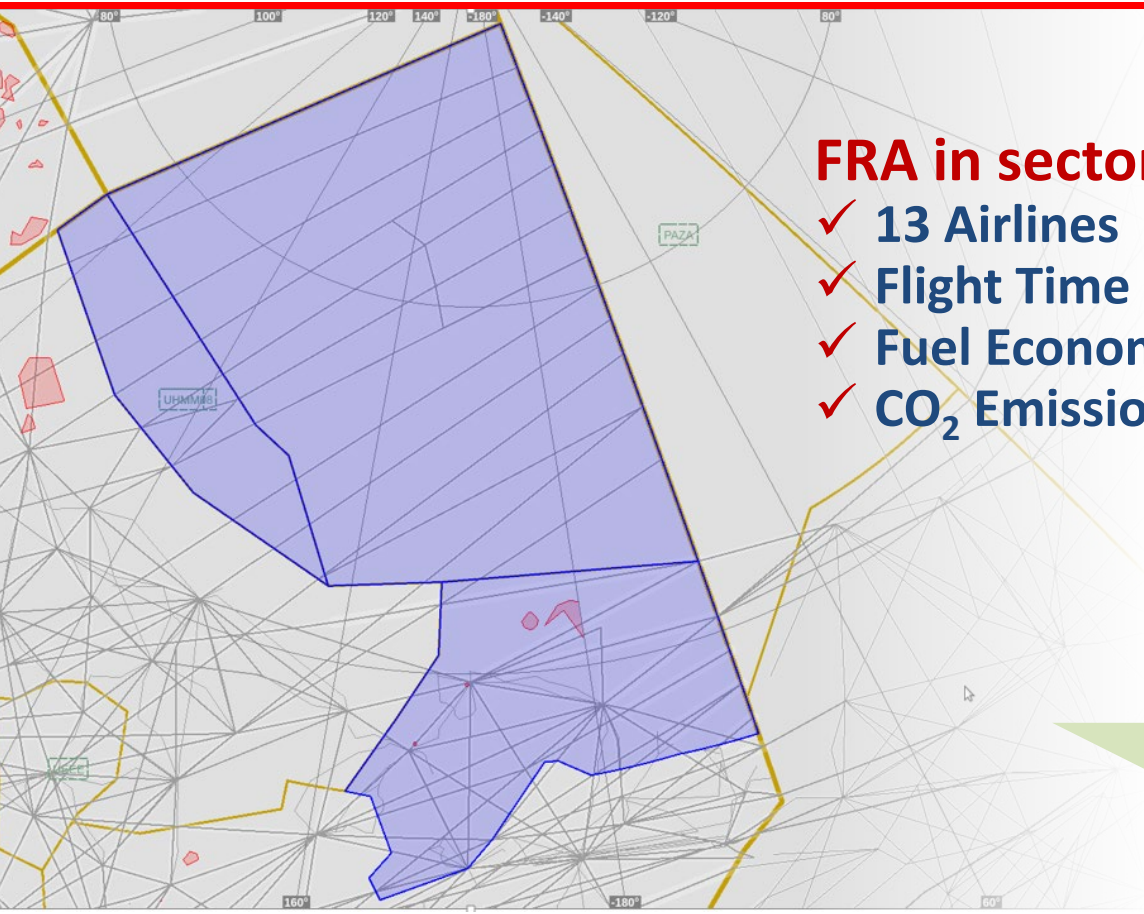
Revisions to AIP of Russia, connected with implementation of free route airspace in Sector Oceanic of Magadan FIR and in Kaliningrad FIR effective from March 24, 2022 will be incorporated into AIRAC AIP AMDT 02/22 and placed in advance on the website of "Aeronautical Information Centre", Branch of FSUE "State ATM Corporation of the Russian Federation" (<http://www.caica.ru>) on December 30, 2021.

Amendment to AIP of Russia will be distributed to the clients according to the established procedure.

- End -



Free Route Airspace (Magadan FIR)



FRA in sector “Oceanic” on 24.03.2022

- ✓ 13 Airlines
- ✓ Flight Time Economy **3-10 minutes**
- ✓ Fuel Economy **800-1267 kg**
- ✓ CO₂ Emissions decreased on **2460-3992 kg**



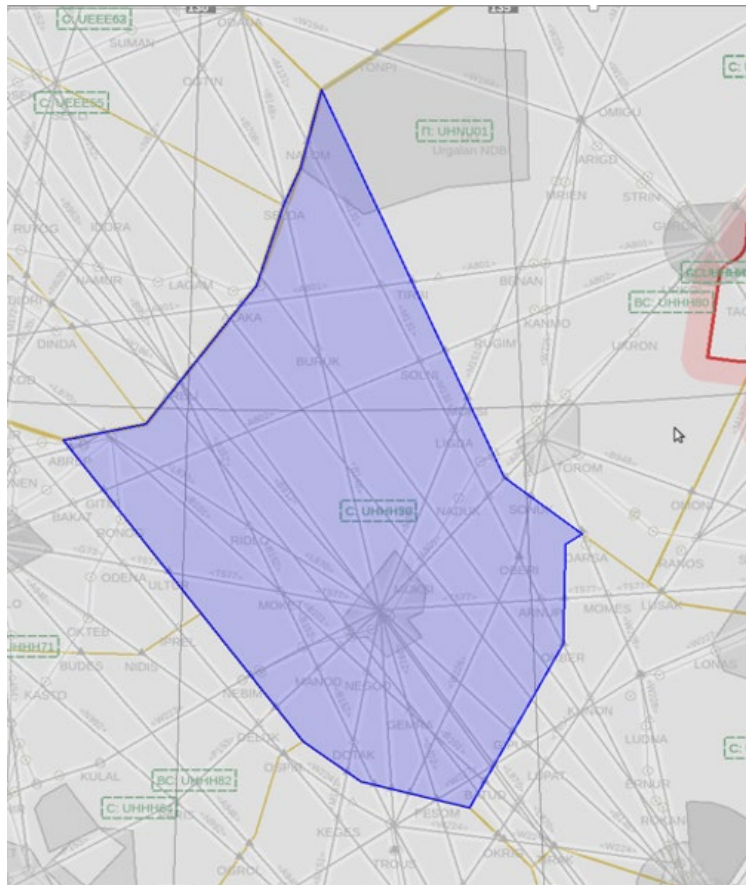


Full FRA implementation is planned on 24/03/2022



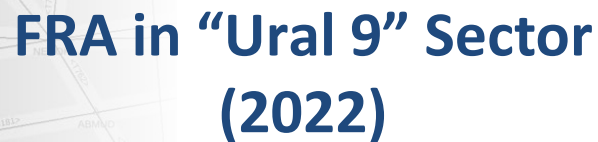


Free Route Airspace (Khabarovsk FIR)



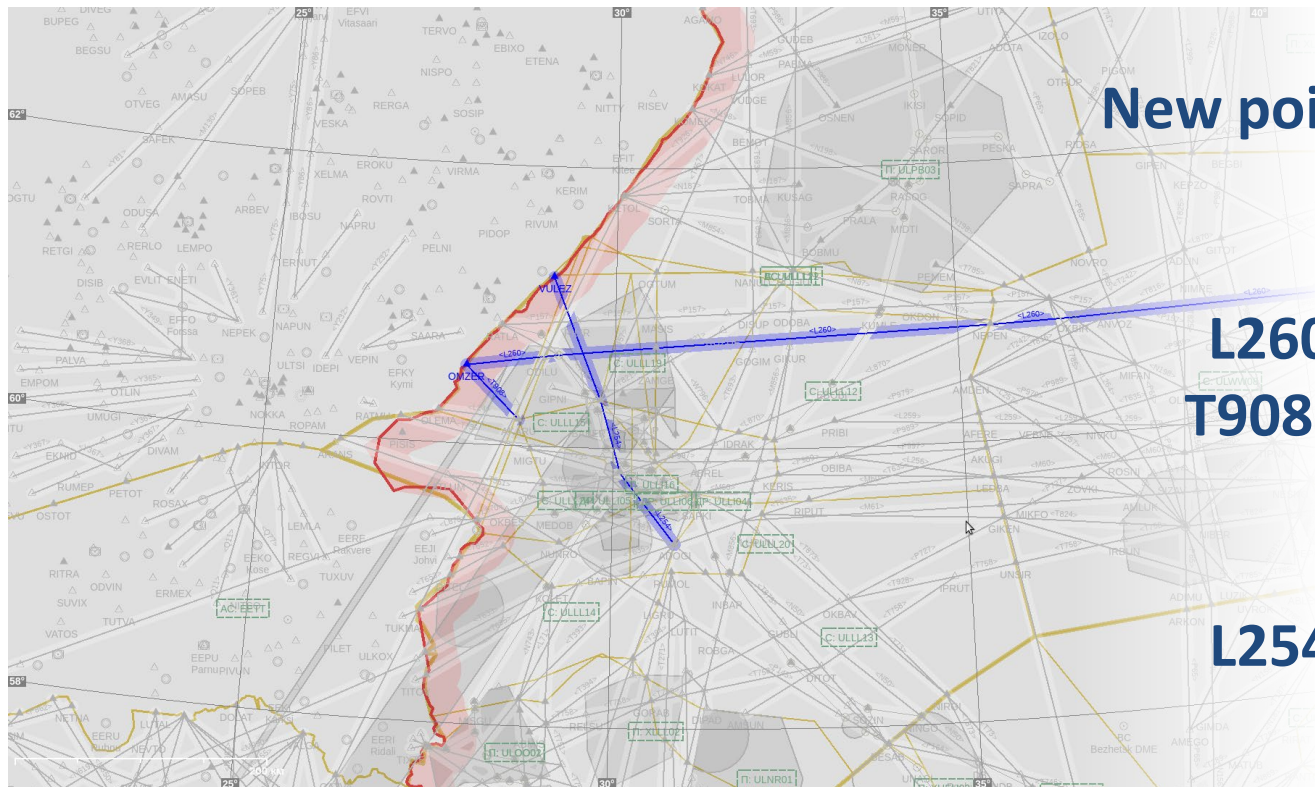
**FRA in northern part of “Sector 9”
in June 2022:**

- ✓ **FL265+**
- ✓ **12:00-22:00**





New points on Russia/Finland Boundary



New points (12 AUG 2021):

OMZER:

L260 OMZER-VEKIL

T908 OMZER-AKARU

VULEZ:

L254 VULEZ-RETAR

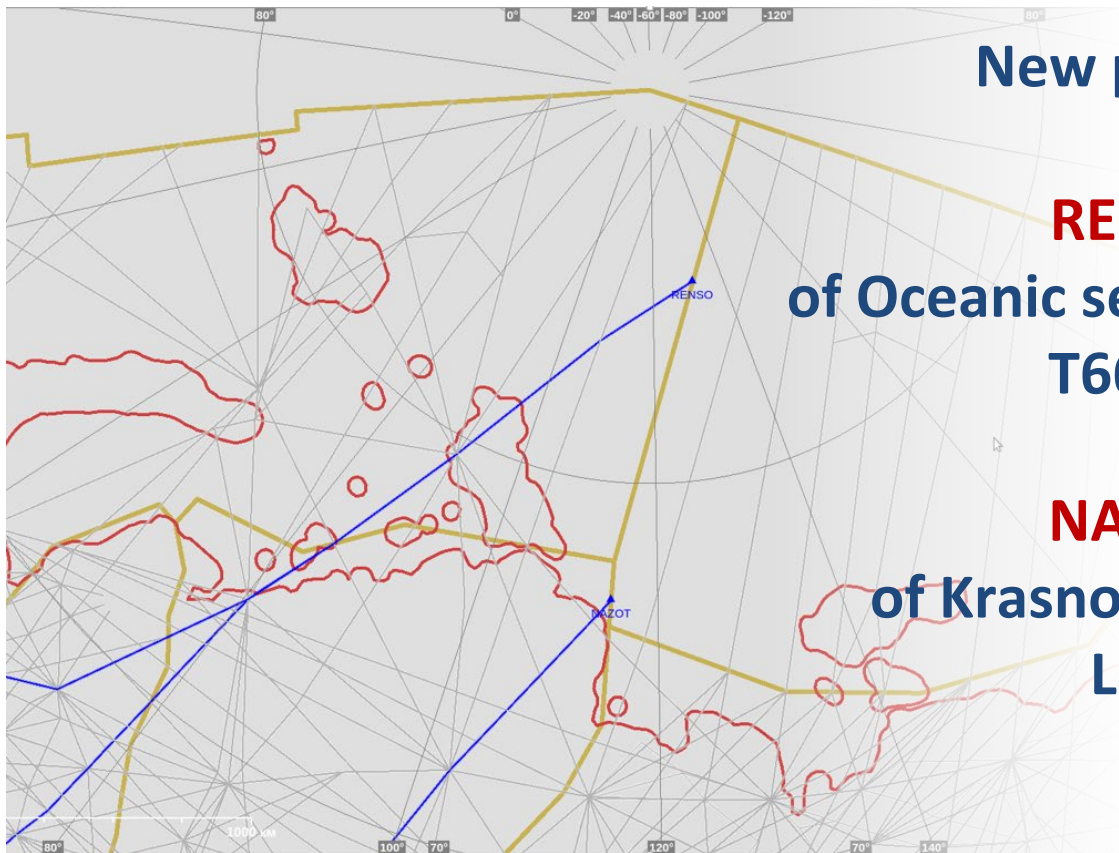


New points on Magadan FIR Boundary

New points (19 JUL 2021):

RENZO on boundary
of Oceanic sectors Murmansk/Magadan
T660 RENZO-BADRO

NAZOT on boundary
of Krasnoyarsk/Oceanic Magadan
L265 HTG-NAZOT





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