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ФЕДЕРАЛЬНОЕ АГЕНТСТВО ВОЗДУШНОГО ТРАНСПОРТА
СЛУЖБА АЭРОНАВИГАЦИОННОЙ ИНФОРМАЦИИ

FEDERAL AIR TRANSPORT AGENCY
AERONAUTICAL INFORMATION SERVICE

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РОССИЯ
RUSSIA

АИП
AIP

КНИГА 1
BOOK 1

ДОПОЛНЕНИЕ
SUP

06/22
01 DEC 2022

NOVOSIBIRSK/Tolmachevo AD

The following changes will be effective from 29 December 2022:

UNNT AD 2.22 FLIGHT PROCEDURES

Paragraph 6 should read as follows:

Procedures for VFR flights

1. VFR flights within the terminal area shall be carried out under visual meteorological conditions with maximum look-out of the entire flight crew in accordance with valid rules for flights in the airspace of the Russian Federation and if ATS unit clearance is available. A pilot-in-command must observe visual flight rules and timely report ATS unit of the necessity to change to IFR flight.

1.1 VFR flights within CTR limits shall be carried out along the routes (part of the route) and/or their combination passing through the main procedure points:

1. UPKAS (551440N 0825535E) - NDB GV (Kolyvan) (551917N 0824212E) - NDB KD (Novotyryshkino) (551651N 0822420E) - DIBIT (551117N 0815114E);

2. ABGUK (552829N 0824454E) - NDB GV (Kolyvan) (551917N 0824212E) - KIDDA (550647N 0825224E) - UBOBO (550502N 0824644E);

3. RENTO (550841N 0830055E) - KIDDA (550647N 0825224E) - DOPOG (550530N 0825502E);

4. RENTO (550841N 0830055E) - SODRE (550531N 0830735E) - PADNE (545731N 0831448E);

5. SODRE (550531N 0830735E) - NDB EB (Matveyevskiy) (545541N 0830505E) - TAKKE (544956N 0830425E);

6. PADNE (545731N 0831448E) - NDB EB (Matveyevskiy) (545541N 0830505E) - NUMNI (545330N 0824847E) - LIRTE (544751N 0824604E) - TUTSE (543513N 0823953E);

7. NDB EB (Matveyevskiy) (545541N 0830505E) - RUKUK (545131N 0825240E) - LIRTE (544751N 0824604E) - IBKES (543644N 0821919E);

8. OBERO (544801N 0831130E) - TAKKE (544956N 0830425E) - RUKUK (545131N 0825240E);

9. LAMLE (544504N 0825955E) - RUKUK (545131N 0825240E) - NUMNI (545330N 0824847E);

10. BAKSO (552827N 0822544E) - NDB GV (Kolyvan) (551917N 0824212E) - UBOBO (550502N 0824644E);

11. BAKSO (552827N 0822544E) - NDB KD (Novotyryshkino) (551651N 0822420E) - GAMDA (550439N 0822628E);

12. NDB KD (Novotyryshkino) (551651N 0822420E) - NIKIM (550223N 0820507E) - EDIKO (544921N 0815405E);

13. DIBIT (551117N 0815114E) - GAMDA (550439N 0822628E);

14. NIKIM (550223N 0820507E) - GAMDA (550439N 0822628E);

15. IBKES (543644N 0821919E) - LIRTE (544751N 0824604E) - MADIG (545158N 0822552E);

16. EDIKO (544921N 0815405E) - GAMDA (550439N 0822628E) (by coordination with ATS unit);

17. UBOBO (550502N 0824644E) - GAMDA (550439N 0822628E) (by coordination with ATS unit);

18. EDIKO (544921N 0815405E) - MADIG (545158N 0822552E) - NUMNI (545330N 0824847E) (by coordination with ATS unit);

19. IBKES (543644N 0821919E) - MADIG (545158N 0822552E) - GAMDA (550439N 0822628E) (by coordination with ATS unit);

20. IBKES (543644N 0821919E) - NUMNI (545330N 0824847E) (by coordination with ATS unit);

21. UBOBO (550502N 0824644E) - NUMNI (545330N 0824847E) (by coordination with ATS unit);

22. UBOBO (550502N 0824644E) - NDB KD (Novotyryshkino) (551651N 0822420E) (by coordination with ATS unit);

23. DOPOG (550530N 0825502E) - NURPU (550206N 0825136E) (by coordination with ATS unit);

24. UBOBO (550502N 0824644E) - NURPU (550206N 0825136E) - NDB EB (Matveyevskiy) (545541N 0830505E) (by coordination with ATS unit).

Traffic is two-way on all routes.

1.2 After take-off from RWY 07/25 and RWY 16/34, CAT A ACFT and helicopters shall proceed along the designated VFR departure routes.

1.3 CAT A ACFT and helicopters shall carry out approach via points UBOBO, NUMNI, GAMDA, MADIG using, if necessary, holding areas established at these points. By coordination with ATS unit, it is permitted after take-off to proceed directly to the first point of the route indicated in the flight plan.

1.4 VFR flights within CTR outside the routes indicated in para 1.1 are permitted for flights carried out for the following purposes:

a) rendering assistance during natural and man-made emergency situations;

b) search and rescue of passengers and flight crews suffering or having suffered distress, search and evacuation from landing position of cosmonauts and descent space vehicles or modules;

c) prevention and restraint of violations of the procedures for airspace use;

d) aerial works on handling a medical emergency;

e) when the character, conditions of aerial works or the air situation do not allow to carry out aerial works (Earth remote sensing, flight checks of ground facilities of radio communication and lighting equipment for flight support).

1.5 Route segments designated as routes "by coordination with ATS unit" shall not be used for planning VFR flights. Flight operations along such route segments are permitted by ATS unit after obtaining flight crew's request depending on air situation.

1.6 Entry into/exit from CTR during VFR flights shall be carried out via points ABGUK, BAKSO, DIBIT, EDIKO, IBKES, TUTSE, LAMLE, OBERO, PADNE, SODRE, RENTO, UPKAS. Flight crew shall calculate flight height on the basis of the requirements of aviation legislation, depending on the aircraft performances, actual flight conditions, aeronautical situation, taking into account safe height of overflying the populated areas and possibility to land outside the populated area in case of aircraft malfunction.

1.7 The designated VFR arrival routes shall be used during arrival. The following four holding areas are established to regulate VFR approach sequence and coordinate transit flights within CTR:

- GAMDA (3.2 km north of Bunkovo settlement, left turns, the radius of turn not more than 1.5 km), flight height (190) m or above;

- UBOBO (west of Kudryashi settlement, right turns, the radius of turn not more than 1.5 km), flight height (300) m or above;

- NUMNI (east of Verkh-Tula settlement, right turns, the radius of turn not more than 1.5 km), flight height (300) m or above;

- MADIG (west of Rechnik settlement, right turns, the radius of turn not more than 1.5 km), flight height (190) m or above.

1.8 During VFR flights, flight crew must have two-way radio communication and ATC clearance of the relevant ATS unit.

During VFR flight, flight crews shall maintain:

- the designated routes by means of visual contact and using the available navigation facilities;

- safe intervals between aircraft;

- safe heights including the ones over the populated areas (aircraft flight over the populated areas must be carried out at height, which allows to land outside populated areas in case of aircraft malfunction or on landing sites specially designated for these purposes within populated areas).

2. Depending on the air and aeronautical situation, ATS unit may assign flight height different to the one indicated in clearance for airspace use, to flight crews operating VFR flight. If the flight height assigned by ATS unit is less than the safe one calculated by the flight crew taking into account the requirements specified for flights over the populated areas, then a pilot-in-command shall immediately inform ATS unit about it.

3. VFR approach is applied by flight crews, if aeronautical situation allows it under appropriate weather conditions. Flight crew of aircraft flying at traffic circuit speed 300-550 km/h is permitted to carry out VFR approach when the height of cloud base is not below 750 m and visibility is not below 5 km, and CAT A ACFT and helicopters - under conditions conforming to the established VFR approach minima. A change from IFR flight to VFR flight shall be carried out at height not less than the safe flight height for IFR flight and the flight crew has reported ATS unit that conditions for VFR flight are available and IFR flight is cancelled according to the established procedure.

4. Notes:

1. Flight crews proceeding from class G airspace to class C airspace shall obtain ATC clearance from TWR controller, call sign "Novosibirsk-Krug" 133.800 MHz or "Novosibirsk-Radar" 122.000 MHz not later than 5 minutes before entry into the terminal area.

2. Before departure from landing sites located within CTR, flight crews shall obtain departure clearance on FREQ 133.800 MHz, call sign "Novosibirsk-Krug" (122.000 MHz, call sign "Novosibirsk-Radar").

The following pages will be effective from 29 December 2022:

AD 2.1 UNNT-201

AD 2.1 UNNT-203/204

AD 2.1 UNNT-205/206

- End -

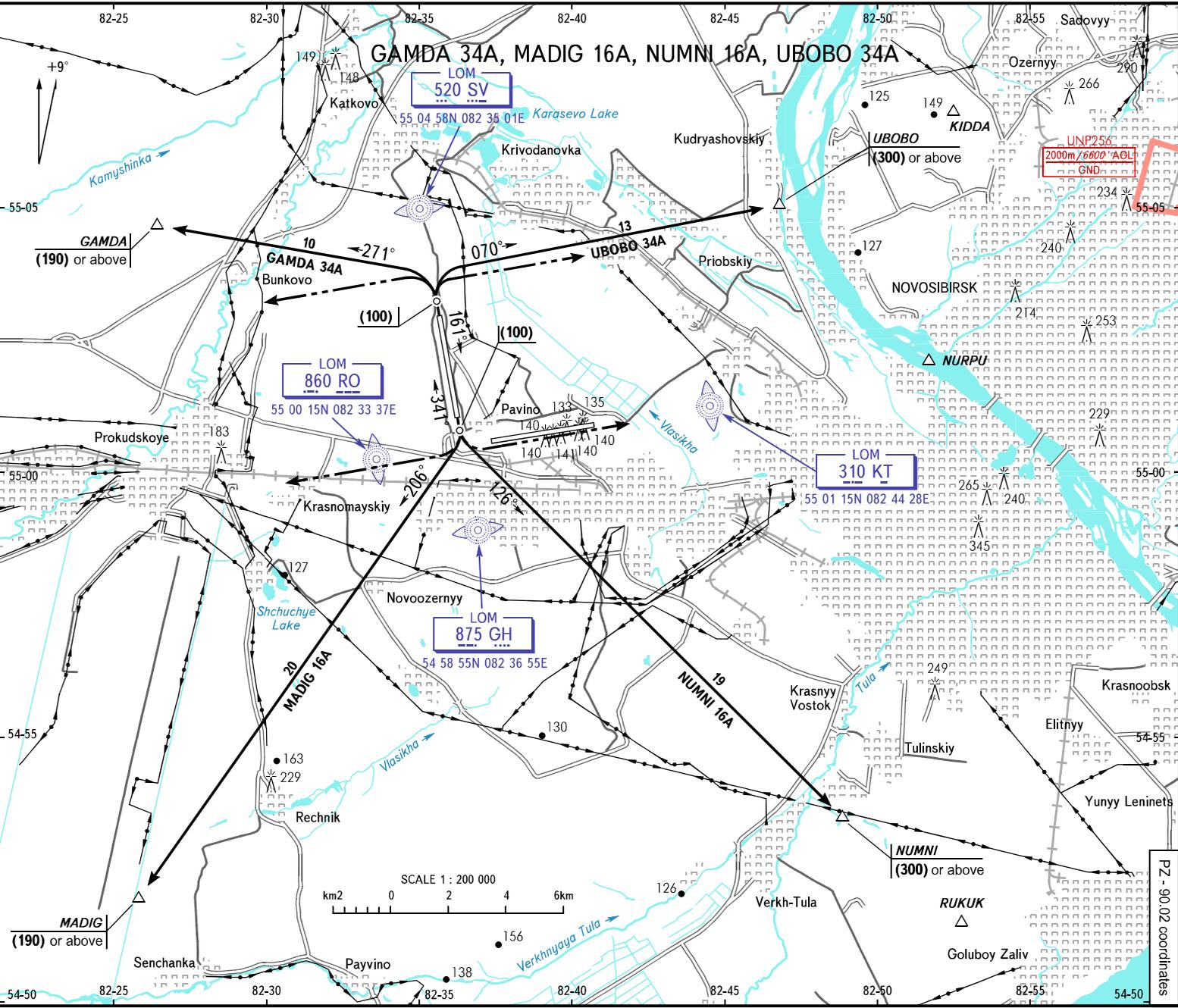
NOVOSIBIRSK, RUSSIA**TOLMACHEVO**

ПРОЦЕДУРНЫЕ ТОЧКИ / PROCEDURE POINTS			
Точки / Points	Координаты (ПЗ-90.02)/ Coordinates (PZ-90.02)		Название / Name
	Широта / Latitude	Долгота / Longitude	
GAMDA	550439.00N	0822628.00E	3.2 км севернее н. п. Буньково 3.2 km north of Bunkovo settlement
KIDDA	550647.00N	0825224.00E	Над лесом, развилка дорог на н. п. Мочище Over the forest, road fork to Mochishche settlement
MADIG	545158.00N	0822552.00E	Западнее н. п. Речник West of Rechnik settlement
NUMNI	545330.00N	0824847.00E	Восточная окраина н. п. Верх-Тула East of Verkh-Tula settlement
NURPU	550206.00N	0825136.00E	Берег р. Обь The bank of the Ob river
RUKUK	545131.00N	0825240.00E	2.5 км севернее пос. Голубой залив 2.5 km north of Goluboy Zaliv settlement
UBOVO	550502.00N	0824644.00E	Западная окраина н. п. Кудряши West of Kudryashi settlement

VFR
DEPARTURE
CHART

TRANSITION
HEIGHT : (1300)

NOVOSIBIRSK, RUSSIA
TOLMACHEVO
RWY 16/34



TOWER
KRUG
126.700
133.800

BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS IN METRES
DISTANCES IN KILOMETRES

Federal Air Transport Agency

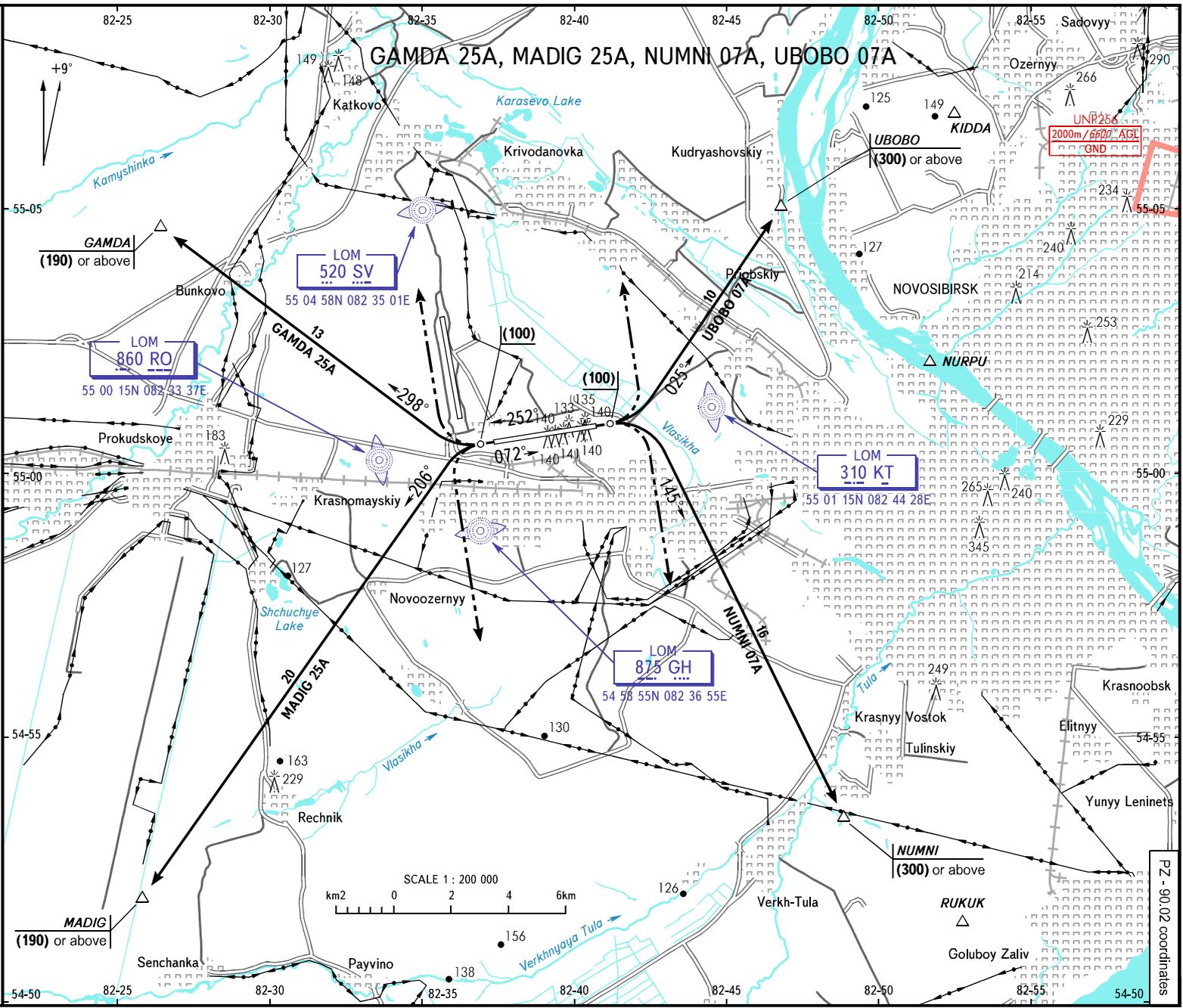
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VFR
DEPARTURE
CHART

TRANSITION
HEIGHT : (1300)

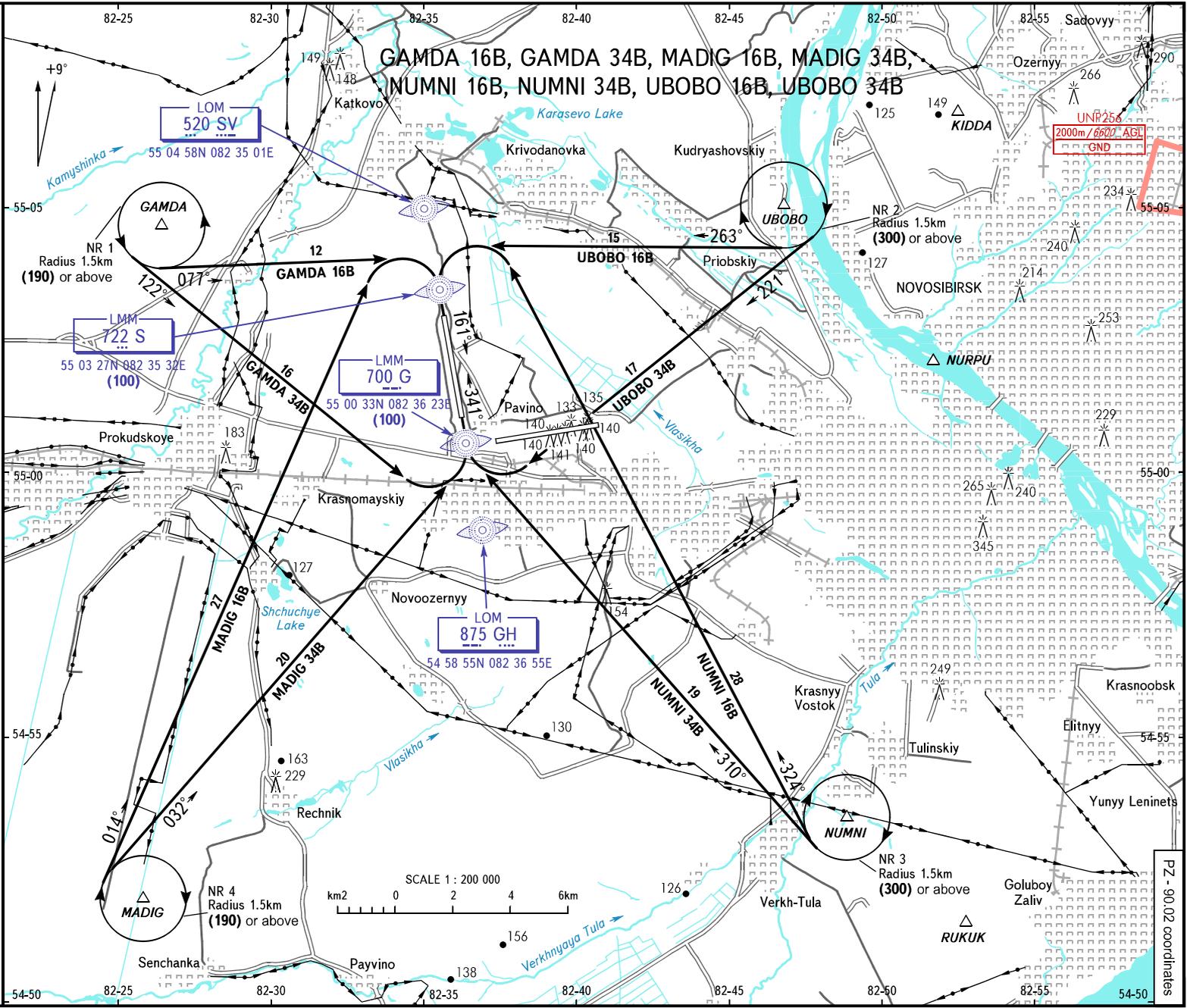
NOVOSIBIRSK, RUSSIA
TOLMACHEVO
RWY 07/25

PZ - 90.02 coordinates



BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS IN METRES
DISTANCES IN KILOMETRES

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BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES, HEIGHTS AND ELEVATIONS IN METRES
DISTANCES IN KILOMETRES

Alt set: -QFE/QNH on req);
-mm(hPa on req).

KRUG
TOWER
133.800
126.700

