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Airport Information For UDD

Terminal Charts For UDD

Revision Letter For Cycle 23-2013

Change Notices

Notebook

General Information

Location: Moscow Rus
IATA Code: DME
Lat/Long: N55° 24.5' E037° 54.4'
Elevation: 593 ft

Airport Use: Public
Magnetic Variation: 10.4°E

Fuel Types: Jet A-1
Repair Types: Major Airframe, Major Engine
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: Yes
LLWS Alert: No
Beacon: No

Sunrise: 0457 Z
Sunset: 1328 Z,

Runway Information

Runway: 14L
Length x Width: 12444 ft x 174 ft
Surface Type: concrete
TDZ-Elev: 551 ft
Lighting: Edge, ALS, Centerline

Runway: 14R
Length x Width: 11483 ft x 197 ft
Surface Type: concrete
TDZ-Elev: 594 ft
Lighting: Edge, ALS, Centerline, TDZ

Runway: 32L
Length x Width: 11483 ft x 197 ft
Surface Type: concrete
TDZ-Elev: 531 ft
Lighting: Edge, ALS, Centerline

Runway: 32R
Length x Width: 12444 ft x 174 ft
Surface Type: concrete
TDZ-Elev: 519 ft
Lighting: Edge, ALS, Centerline, TDZ

Communication Information

- ATIS 128.3
- ATIS 122.95 Non-English
- Domodedovo-Tower 2 Tower 119.7
- Domodedovo-Tower 1 Tower 129.0 Secondary
- Domodedovo-Tower 1 Tower 124.4 Secondary
- Domodedovo-Tower 1 Tower 119.45
- Domodedovo-Tower 1 Tower 118.6
- Domodedovo Apron 2 Ramp/Taxi Control 123.75
- Domodedovo Apron 1 Ramp/Taxi Control 129.0 Secondary
- Domodedovo Apron 1 Ramp/Taxi Control 124.4 Secondary
- Domodedovo Apron 1 Ramp/Taxi Control 119.0
- Domodedovo Clearance Delivery 129.15
- Domodedovo Approach Control 129.0 Secondary
- Domodedovo Approach Control 124.4 Secondary
- Domodedovo Approach Control 120.6
- Domodedovo Approach Control 119.45 Secondary
- Domodedovo Radar 129.0 Secondary
- Domodedovo Radar 127.7 MF
- Domodedovo Radar 124.4 Secondary
- Domodedovo Radar 119.45 Secondary
- Domodedovo De-Icing Operations 130.6

1. GENERAL

1.1. ATIS

ATIS 128.3
122.95 (Russian)

1.2. NOISE ABATEMENT PROCEDURES

Noise abatement procedures shall be executed by all ACFT.

1.3. LOW VISIBILITY PROCEDURES

1.3.1. GENERAL

- Preparation: RVR less than 800m at least at one of the three measuring points and/or CEILING is 80m or below.
- Activation: RVR less than 600m at least at one of the three measuring points and/or CEILING is 60m or below.
- Termination: RVR TDZ is more than 800m at all three measuring points and CEILING is above 80m.

Taxiing of ACFT shall be carried out only along TWYs with CL lights switched on. The responsibility for the unsanctioned incursion onto the RWY and non-adherence to the assigned taxi routes on the manoeuvring area shall be placed on the flight crew.

1.3.2. ARRIVING ACFT

After landing, pilots shall choose the nearest suitable TWY for the RWY vacation. Exits from the ILS critical area from RWY 14R towards TWY M (via TWYs A7, A8, A9 or A11) and from RWY 32R towards the apron (via TWYs B3 or B1) are equipped with color coded (alternating yellow/green) TWY centerline lights.

The ACFT must vacate the ILS critical area as soon as possible.

The flight crew shall report the RWY vacation to DOMODEDOVO Tower only after passing the last yellow light of TWY centerline that means the vacation of ILS critical area.

After landing on RWY 14R the flight crew must vacate the RWY along TWY A7, A8, A9 or A11.

- **When vacating RWY along TWY A7:**

After report to DOMODEDOVO Tower about the vacation of ILS critical area, shall by his instruction, change over to communication with DOMODEDOVO Apron and under his control continue to proceed to the last green light of the centerline of Taxi Route H2, where the flight crew must stop and wait unless otherwise instructed by DOMODEDOVO Apron. Further taxiing of ACFT shall be carried out only after the Follow-me vehicle.

- **When vacating RWY along TWY A8, A9 or A11:**

After report to DOMODEDOVO Tower about the vacation of ILS critical area, the flight crew shall continue to proceed under their control along TWY M to the last green light of the TWY centerline of Taxi Route H2, where the flight crew must stop and wait unless otherwise instructed by DOMODEDOVO Tower. By the instruction of DOMODEDOVO Tower the flight crew shall change over to communication with DOMODEDOVO Apron and report the ACFT position (TWY or Taxi Route) and the availability of the "Follow-me" vehicle in front of the ACFT stating:

"DOMODEDOVO Apron + ACFT callsign + TWY or Taxiroute + Follow-me vehicle is in front of us".

Further taxiing of ACFT shall be carried under control of DOMODEDOVO Apron. Reaching of the stand by the ACFT shall be reported by the flight crew to DOMODEDOVO Apron using the following phraseology:

"ACFT callsign + on stand number".

After landing on RWY 32R the flight crew must vacate the RWY only along TWY B3 or TWY B1:

- When vacating RWY 32R along TWY B3 and after report to DOMODEDOVO Tower about the vacation of ILS critical area, the flight crew shall continue to proceed to the last green light of TWY centerline where the flight crew must stop and wait unless otherwise instructed by Tower. Further taxiing of ACFT shall be carried out under control of DOMODEDOVO Apron and only after the "Follow-me" vehicle.

1. GENERAL

- When vacating RWY 32R along TWY B1 and after report to DOMODEDOVO Tower about the vacation of ILS critical area, the flight crew shall, by his instruction, change over to communication with DOMODEDOVO Apron and under his control continue to proceed to the last green light of the centerline of Taxi Route T1, where the flight crew must stop and wait unless otherwise instructed by DOMODEDOVO Apron. Further taxiing of ACFT shall be carried out only after the "Follow-me" vehicle.

1.3.3. DEPARTING ACFT

The flight crew of departing ACFT shall carry out taxiing only along the TWYs equipped with TWY centerline lights. In case of a failure of TWY centerline lights or the stop bars the flight crew must carry out taxiing only after the "Follow-me" vehicle.

Taxiing of ACFT on the apron shall be carried out only after the "Follow-me" vehicle under control of DOMODEDOVO Apron.

During taxiing on the apron and on the manoeuvring area, the flight crew should constantly check the ACFT position, especially at TWY intersections, to be sure that taxiing is carried out under the conditions of complete safety. In case of difficulty or doubt in determining the ACFT position, it is necessary to stop taxiing and report this to DOMODEDOVO Apron or to DOMODEDOVO Tower.

The RWY holding positions at RWY 14L (TWY B1), RWY 14R (TWY A2), RWY 32L (TWY A11), RWY 32R (TWY B8) are designated by stop bars. Each stop bar consists of eight lights located across the TWY with equal intervals between the lights of 10'/3m, showing red in the intended direction of approach to the RWY holding position.

The flight crew should repeat all instructions of Tower concerning holding at the RWY.

After receiving the line-up clearance, the flight crew must start taxiing only after switching off the stop bar. Crossing the switched-on stop bar by the ACFT is prohibited.

During the operation of LVP the following is prohibited:

- take-off from intersections of TWY and RWY;
- take-off without stopping at the line-up position after taxiing to the RWY.

1.4. RWY OPERATIONS

Only RWY 14R/32L available for take-off and landing of A380 ACFT.

1.5. TAXI PROCEDURES

Taxiroute 32 (TR 32) MAX wingspan 128'/39m.

Taxiroutes H4 (TR H4) and 24 (TR 24) MAX wingspan 126'/38.5m.

Taxiroute A10 (TR A10) MAX wingspan 118'/36m.

Helipad 5 to Taxiroute 33 (TR 33) MAX wingspan 98'/30m.

Taxiing of ACFT with wingspan exceeding 213'/65m along Taxiroute 3 to start-up point 34 is prohibited.

Taxiroute H1 (TR H1) from Taxiroute T1 (TR T1) to Taxiroute 3 (TR 3) MAX wingspan 213'/65m.

Taxiing of ACFT with wingspan exceeding 166'/50.5m along Taxiroute H3 (TR H3) on segment from Taxiroute T2 (TR T2) to start-up point 14 is prohibited.

Taxiing of ACFT with wingspan exceeding 157'/48m along Taxiroute H3 (TR H3) on segment from start-up point 14 to stand 61 is prohibited.

Taxiing of ACFT with wingspan exceeding 142'/43.3m along Taxiroute H3 (TR H3) on segment from stand 61 to the point of temporary parking 61B is prohibited.

Do not stop on TWY T2 between TWYs B3 and B4.

Taxiing to stand 18C along Taxiroute H2 (TR H2) via Taxiroute 25 (TR 25).

Taxiing on apron with outer engines power after Follow-me car.

During taxiing on apron and into/out of stands, ACFT shall not stop at turning.

1. GENERAL

Taxiing along Taxiroutes T1 (TR T1) and T2 (TR T2) and TWYs A5 thru A8, B1 thru B8 and T2 strictly along centerline with inner engines power.

Taxiing along Taxiroutes H2 (TR H2) and 25 (TR 25) strictly along centerline with outer engines power.

Taxiing of A380 ACFT along TWYs A5 thru A8 with inner engines power.

Taxiing of wide-body ACFT along TWY P4 and P6 shall be carried out under inboard engines power.

Outboard engines power of B747 ACFT should not be above idle power.

Use Taxiroute T2 (TR T2) between TWY B5 and Taxiroute H2 (TR H2) at reduced speed with Follow-me car.

TWYs B5 and B7 MAX turn radius 82'/25m before take-off from RWY 32R and from RWY 14L after landing.

1.6. PARKING INFORMATION

Stands 1 thru 22 equipped with visual docking guidance system SAFEDOCK.

Stands 41, 41A, 42, 86 and 119 thru 120A available for run-up.

Commercial and technical service on stands C1 thru C13, S48 and S49 shall be carried out in daylight hours.

1.7. OTHER INFORMATION

Birds.

ACFT crew shall switch on transponder mode S after beginning of taxiing out of stand and turn off transponder mode S after taxiing into stand.

2. ARRIVAL

2.1. NOISE ABATEMENT PROCEDURES

Crews shall maintain the prescribed STAR routes, and, in case of deviation from them, join the assigned track immediately.

APPROACH PROCEDURE

RWY 32L/R are noise preferential RWYs and shall be used to the greatest extent possible.

If special meteorological conditions are present in arrival and approach sectors, the flight crew can deviate from STAR route with mandatory report about it to ATC.

Limitations

Immediately prior to the final approach pilots should avoid excessive rates of descent.

Change of flight configuration and speed shall be carried out according to the requirements of the Airplane Flight Manual.

During instrument as well as visual approach it is not allowed to fly below ILS GS. Noise abatement procedures shall not envisage the increasing of indicated rate of descent.

A displacement of THR shall not be used as a noise abatement measure.

'AIR GROUND' communication shall be reduced to absolute minimum.

2.2. CAT II/III OPERATIONS

RWYs 14R and 32R approved for CAT II/III operations, special aircrew and ACFT certification required.

2.3. SPEED RESTRICTIONS

250 KT below FL100 to TL;

220 KT after passing RW, AO, DR, GEKLA and LO up to 3550'(2957');

180 KT from 3550'(2957') to completing turn onto final;

160 KT from completing turn onto final to FAF.

2. ARRIVAL

Speed restriction after entry MOSCOW TMA from the moment of commencing descent from FL:

MAX 280 KT +/- 10 KT or Mach 0.8 whichever is less from cruising FL to FL250;

MAX 270 KT +/- 10 KT below FL250 to FL100;

MAX 250 KT +/- 10 KT below FL100 to TL.

- below transition level - IAS shall be as in accordance with the Aeroplane Flight Manual without exceeding IAS indicated in limitations section. The above mentioned IAS shall be maintained by the flight crew unless otherwise instructed by ATS unit or by the established approach procedure.

If unable to maintain the above mentioned IAS, the flight crew shall report it to ATS unit.

2.4. RWY OPERATIONS

2.4.1. MINIMUM RWY OCCUPATION TIME

To reduce the time of RWY occupation the flight crews of landing ACFT are required to determine the nearest rapid exit TWY for safe and quick RWY vacation.

For the purpose of reducing the time of RWY occupation, the flight crew, executing landing, can be given the following instructions by DOMODEDOVO Tower:

- to vacate the RWY along the indicated TWY,
- to expedite the RWY vacation.

Taking into account the meteorological conditions and the condition of the RWY, RWY vacation along the rapid exit TWYs must be planned by a flight crew taking into consideration the declared distances indicated in the following table:

RWY	Acft	Turn off intersection	Dist from THR ft/m*
14L	heavy	B8**	11,463' / 3495m
	medium (JET)	B6	7134' / 2175m
	medium (PROP) / light (JET)	B4	5182' / 1580m
	light (PROP)	B2**	2709' / 826m
14R	heavy	A9	8708' / 2655m
	medium (JET)	A8	7216' / 2200m
	medium (PROP)/ light	A7	5740' / 1750m
32L	heavy	A4	8708' / 2655m
	medium (JET)	A5	7216' / 2200m
	medium (PROP) / light	A6	5740' / 1750m
32R	heavy	B3	7970' / 2430m
	medium/ light (JET)	B5	6068' / 1850m
	light (PROP)	B7	4165' / 1270m

* Distance from the extremity of the appropriate RWY up to exit TWY.

** TWY for turning off the RWY at 90° angle.

When RWY 32R is in use for take-off and landing, to avoid the conflict opposite movement during taxiing, the flight crew shall vacate the RWY after landing along TWY B7 or TWY B5 only in such case when on final DOMODEDOVO Tower has recommended this TWY to vacate the RWY.

The flight crew shall plan the RWY vacation along the nearest TWY only in case when safe turning off is guaranteed.

If due to any reasons the flight crew cannot vacate the RWY along the nearest TWY, then this must be reported to DOMODEDOVO Tower on final before reaching the distance 2.2NM from RWY extremity.

After landing the flight crew must vacate the RWY without delays at safe speed of taxiing off the RWY along the TWY designated beforehand. The speed of RWY vacation along rapid exit TWYs shall not exceed 50 KT at the point of turning (TWY centerline adjoins the RWY centerline).

2. ARRIVAL

2.5. TAXI PROCEDURES

2.5.1. GENERAL

Signs of exit from RWY 14L/R and 32L/R are located 98'/30m thru 115'/35m before RWY exit points.

2.5.2. TAXI ROUTINGS TO VACATE RWY

The flight crew shall use the following taxi routes unless otherwise instructed by DOMODEDOVO Tower:

After landing on RWY 14L:

- vacate the RWY to the Right along TWY B2 (for light ACFT);
- vacate the RWY to the Right along rapid exit TWY B4, then turn Right along TWY B5 to TWY T2 towards the apron;
- vacate the RWY to the Right along TWY B5 (with restriction of the radius of turn), then turn Right to TWY T2 towards the apron;
- vacate the RWY to the Right along rapid exit TWY B6, then turn Right along TWY B7 to TWY T2 towards the apron;
- vacate the RWY to the Right along TWY B7 (with restriction of the radius of turn), then turn Right to TWY T2 towards the apron;
- vacate the RWY to the Right along TWY B8, then turn Right to TWY T2 towards the apron.

After landing on RWY 14R:

- vacate the RWY to the Left along rapid exit TWY A7;
- vacate the RWY to the Left along rapid exit TWY A8 or A9, then turn Left to TWY M and proceed to Taxi Route H2;
- vacate the RWY to the Left along TWY A11, then turn Left to TWY M and proceed to Taxi Route H2.

After landing on RWY 32L:

- vacate the RWY to the Right along rapid exit TWY A6, A5 or A4, then turn Right to TWY M and proceed to Taxi Route H1;
- vacate the RWY to the Right along TWY A2, then turn Right to TWY M and proceed to Taxi Route H1.

After landing on RWY 32R:

- vacate the RWY to the Left along rapid exit TWY B7 (for light ACFT) or B5, then turn Right to TWY T2 towards the apron;
- vacate the RWY to the Left along the rapid exit TWY B3;
- vacate the RWY to the Left along TWY B2;
- vacate the RWY to the Left along TWY B1.

After the RWY vacation the ACFT shall not stop on TWY for the purpose of expecting for the instructions of DOMODEDOVO Tower, but shall continue taxiing along the established taxi routes unless otherwise instructed by DOMODEDOVO Tower.

2.5.3. FREQUENCY CHANGE

A change of frequency during taxiing shall be carried out by a flight crew only by request. Unless otherwise instructed by DOMODEDOVO Tower, the flight crew must stop and request for a change of frequency as follows:

- after landing on RWY 14L - on TWY T2 opposite TWY B5 or at the end of TWY B2 (for light ACFT);
- after landing on RWY 14R - at the end of TWY A7 or on TWY M in front of Taxi Route H2;
- after landing on RWY 32L - on TWY M in front of Taxi Route H1;
- after landing on RWY 32R - at the end of TWY B5, B3, B2 or B1 and also during RWY vacation along TWY B7 (for light ACFT) - on TWY T2 opposite TWY B5.

2. ARRIVAL

A change of frequency shall be carried out when approaching the transfer of control limit between DOMODEDOVO Tower and DOMODEDOVO Apron.

The instruction about the change of frequency shall be carried out immediately with mandatory confirmation.

2.6. OTHER

2.6.1. GENERAL

On initial radio contact DOMODEDOVO Radar and DOMODEDOVO Tower the flight crew of ACFT having the category of turbulence wake as heavy, shall pronounce the word "Heavy" after the callsign of the ACFT. At night and also when visibility is 2000 m or less during RWY 14R or 14L approaches the lighted highway shall not be confused with the RWY lights.

On initial radio contact with DOMODEDOVO Tower the flight crew, shall report only the ACFT callsign using the following phraseology: "Domodedovo-Tower + ACFT callsign".

3. DEPARTURE

3.1. DE-ICING

The procedure of de-icing treatment of ACFT shall be carried out:

- at engines start-up positions,
- on ACFT stands and points of temporary parking,
- on de-icing areas DA1 and DA2.

DOMODEDOVO Apron shall be notified by the flight crew about the necessity of de-icing treatment when making a request for towing (engines start-up) clearance. The order of getting the requests for de-icing treatment does not influence the order of priority of de-icing treatment itself. The priority shall be established by DOMODEDOVO Apron.

When de-icing treatment is carried out at start-up position, engine start-up is possible with the permission of DOMODEDOVO Apron and de-icing treatment dispatcher after finishing treatment of ACFT tail part and during wing treatment.

3.2. START-UP, PUSH-BACK & TAXI PROCEDURES

3.2.1. GENERAL

On first radio contact with DOMODEDOVO Clearance, DOMODEDOVO Apron and DOMODEDOVO Tower the flight crew of ACFT, having the category of turbulence wake as heavy, shall pronounce the word "Heavy" after the callsign of the ACFT.

The flight crews of departing ACFT shall contact DOMODEDOVO Clearance not earlier than 15 min before estimated time of departure:

- report the ACFT callsign, the destination aerodrome, the ACFT type, stand number, the code of the confirmed ATIS information, the necessity of de-icing treatment;
- receive ATC clearance, RWY for take-off, QNH (by request);
- receive the information relating to the procedure of simultaneous independent departures from the parallel RWYs.

After complete readiness for departure the flight crew shall change over to communication with DOMODEDOVO Apron, by the instruction of DOMODEDOVO Clearance, to get clearance for engines start-up and taxiing (towing), indicating the stand number.

Engines start-up can be carried out by a flight crew in the process of towing if this procedure is envisaged by the Aeroplane Flight Manual (AFM) and coordinated with the technical personnel of the tow team.

ACFT completely ready for departure means that all passengers are on board, the entrance and cargo doors are closed, the stairs are taken away (the aerobridge is disconnected and is in a retracted position), a tow bar is connected (when towing is required), ground personnel is ready for towing (taxiing) and has established radio contact with the flight crew.

The flight crew shall carry out towing, engines start-up and taxiing to the RWY holding position by the permission of DOMODEDOVO Apron.

After engines start-up the flight crew shall report DOMODEDOVO Apron about readiness to taxi using the following phraseology: "ACFT callsign + Ready to taxi" and receive the instructions about the taxi procedure on the apron.

A380 ACFT shall use start-up points 7 and 14.

3. DEPARTURE

3.2.2. TAXIING DURING WINTER CONDITIONS

The taxi guide lines may be invisible because of snow. Assistance from "Follow-me" vehicle may be requested via DOMODEDOVO Apron.

3.2.3. FREQUENCY CHANGE

The flight crew shall change over to communication with DOMODEDOVO Tower, by the instruction of DOMODEDOVO Apron, at the established transfer of control limit. When giving taxi instructions on the apron, DOMODEDOVO Apron can assign the transfer of control limit to change over to communication with DOMODEDOVO Tower. In this case the flight crew shall change over to communication with DOMODEDOVO Tower independently at the established limit stating: "ACFT callsign + RWY + Taxi routing + Tower frequency".

After changing over from frequency of DOMODEDOVO Apron to the frequency of DOMODEDOVO Tower, the flight crew shall watch his frequency without calling DOMODEDOVO Tower (except for LVP procedures) and carry out taxiing to the RWY holding position. The flight crew must be ready for getting further instructions and permissions from DOMODEDOVO Tower.

3.2.4. TAXI ROUTINGS

The standard taxi routes to the RWY holding position (holding position in front of the RWY) are as follows:

- for RWY 14L - along Taxiroute T1 to TWY B1;
- for RWY 14R - along Taxiroute H1/H2, then along TWY M to TWY A2;
- for RWY 32L - along Taxiroute H1/H2, then along TWY M to TWY A11;
- for RWY 32R - along TWY T2 to TWY B8.

When taxiing to RWY holding position along other taxi routes, different from the standard ones, the flight crew must request for occupation of TWY M from DOMODEDOVO Tower.

After reaching the RWY holding position the flight crew shall report DOMODEDOVO Tower about his readiness for take-off, using the following phraseology: "ACFT callsign + At holding position + Ready for departure".

The flight crew which requires backtracking (including the line-up position on RWY 32R from TWY B8) must report DOMODEDOVO Tower about it on reaching the RWY holding position.

3. DEPARTURE

3.3. RWY OPERATIONS

3.3.1. MINIMUM RWY OCCUPATION TIME

Prior to reaching the line-up position the flight crew shall inform DOMODEDOVO Tower if unable to carry out the instruction to reduce the time of the RWY occupation.

The instruction to line up shall be carried out by the flight crew without delay.

If take-off is executed from the RWY beginning, the manoeuvre to line-up shall be carried out either immediately after the ACFT, which has started take-off run, or after the ACFT, which has crossed the RWY THR before landing.

If take-off is executed from the intersection of TWY and the RWY, the flight crew must start the manoeuvre to line-up immediately after the taking off (landing) ACFT has passed abeam the RWY holding position where the ACFT is getting ready for take-off from the intersection.

Pre-flight checks in the crew cabin must be completed by the flight crew prior to occupation of the line-up. The checks to be executed during the ACFT stay on the RWY shall be reduced to a minimum.

The flight crew shall execute take-off immediately after receiving take-off clearance.

The conditional clearances shall be used when the appropriate ACFT are visible to both DOMODEDOVO Tower and the flight crew. When the conditional clearance relates to departing and arriving ACFT, it is important that the flight crew of the departing ACFT shall identify correctly the arriving ACFT, on which this conditional clearance is based: "ACFT callsign + do you have ACFT type on final in sight?"

The indication of the type of the arriving ACFT may not be enough, and the description of colour and the name of the airline may be required additionally to provide the correct identification. The conditional clearance shall include the callsign, condition, clearance and repeated summary of the condition: "ACFT callsign + Behind landing ACFT type line up and wait".

Due to conditions of the air and ground situation, the execution of take-off immediately after reaching the line-up may be demanded. In this case DOMODEDOVO Tower may give the instruction to taxi to line-up and get ready to the immediate take-off using the following phraseology: "ACFT callsign + RWY (number) + Surface wind (direction and speed) + Line-up and be ready for immediate take-off".

The flight crew, which is not ready to carry out this instruction, shall inform DOMODEDOVO Tower about it.

3. DEPARTURE**3.3.2. INTERSECTION DEPARTURES**

Depending on the air and ground situation, it is allowed to execute take-off from the intersection of TWY and the RWY by flight crew's request or by request of DOMODEDOVO Tower.

On initial radio contact with DOMODEDOVO Tower the flight crew can report about its readiness to taxi to the RWY along suitable TWY and execution of the non-stop take-off, after that receive the instructions on further taxiing from DOMODEDOVO Tower.

The absence of such report shall mean for DOMODEDOVO Tower that the flight crew of the given ACFT intends to execute take-off from the RWY beginning.

The flight crew can execute take-off from the intersection of TWY and the RWY using the following take-off run distances available:

RWY	Acft	Intersection of TWY and RWY	TORA
14L	heavy/ medium (JET)	B1	12,441' / 3793m
	heavy/ medium (JET)	B2	9544' / 2910m
	medium/ light	B3	7970' / 2430m
14R	heavy/ medium (JET)	A2	11,480' / 3500m
	heavy/ medium (JET)	A4	8708' / 2655m
	medium/ light (JET)	A5	7216' / 2200m
	medium (PROP)/ light	A6	5740' / 1750m
32L	heavy/ medium (JET)	A11	11,480' / 3500m
	heavy/ medium (JET)	A9	8708' / 2655m
	medium/ light (JET)	A8	7216' / 2200m
	medium (PROP)/ light	A7	5740' / 1750m
32R	heavy	From RWY head	12,441' / 3793m
	heavy/ medium (JET)	B8	11,463' / 3495m
	heavy/ medium (JET)	B7	8249' / 2515m
	medium (JET)	B6	7134' / 2175m
	medium (PROP)/ light (JET)	B5	6363' / 1940m
	light	B4	5182' / 1580m

The flight crew of the ACFT, which is at the RWY holding position, must be ready to line-up and start take-off run immediately after receiving the clearance. If the flight crew is unable to carry out the abovementioned requirement, the pilots must inform DOMODEDOVO Tower about it prior to taxiing to the RWY and inform him about the time necessary for preparation.

3.4. NOISE ABATEMENT PROCEDURES**3.4.1. TAKE-OFF AND CLIMBING PROCEDURE**

Noise abatement procedures shall not be executed at the expense of reduction of flight safety.

Restrictions

During take-off from RWYs 32L/R pilots shall strictly comply with the established departure procedures to avoid overflying the residential areas of the APT and Domodedovo town.

Change of flight direction (course) after take-off is permitted only after reaching 1090' (497').

Noise Abatement Procedures NADP1 and NADP2

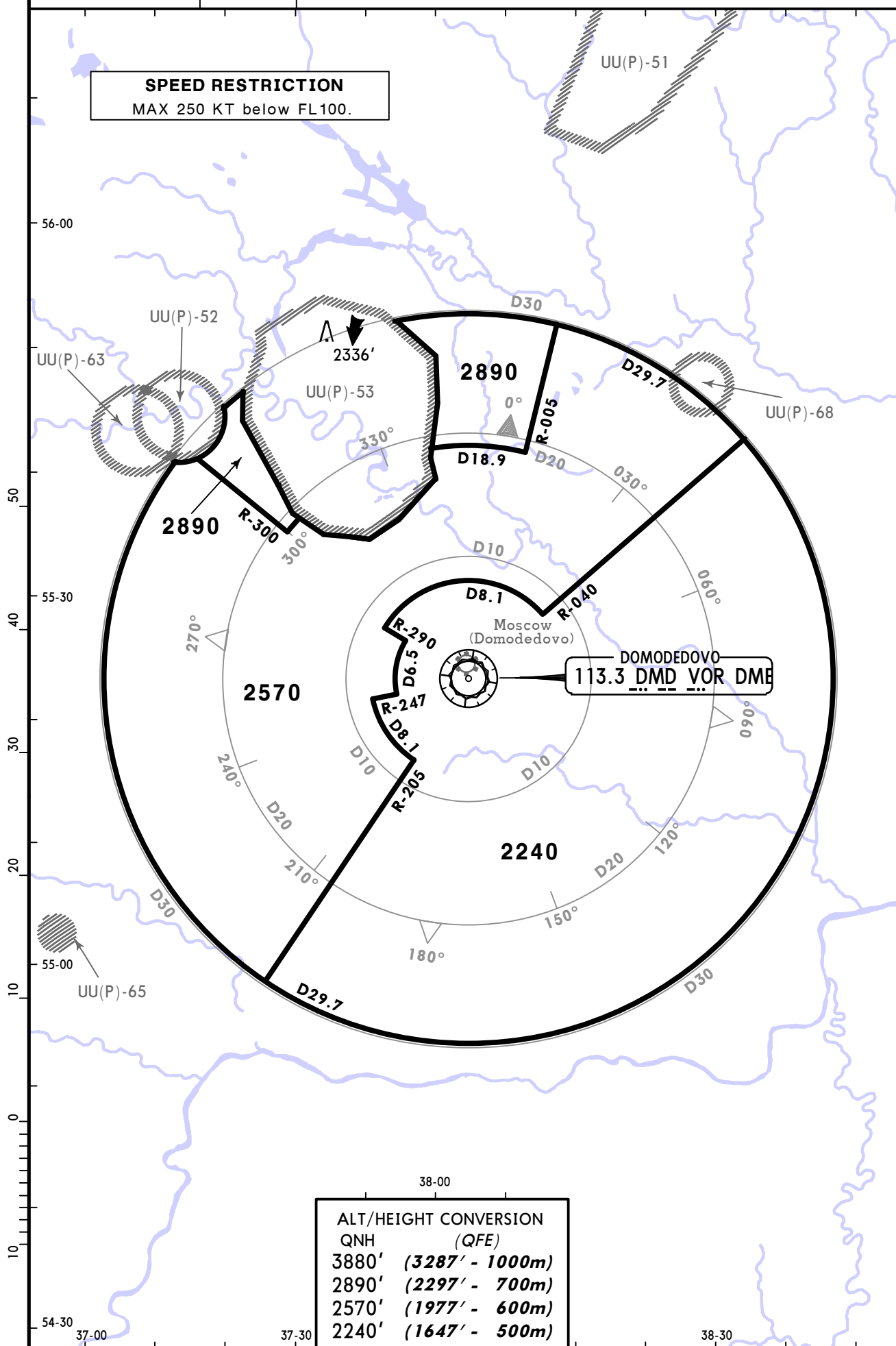
Two variants of take-off and climb procedures are applied: NADP1 and NADP2 (ICAO Doc 8168, Volume 1, Part V, Chapter 3).

DOMODEDOVO Radar
127.7

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
The published minimum altitudes integrate a correction for low temperatures.

SPEED RESTRICTION
MAX 250 KT below FL100.



TRANSITION DESIGNATION	REFER TO CHART
BOGDANOVO 1D, 2D, NAMIN 1D	30-2A
LARIONOVO 1D, 2D	30-2B
OKTYABRSKIY 1D, SUKHOTINO 1D, 2D, 3D	30-2C
GAGARIN 1D, 2D	30-2D
STAR DESIGNATION	REFER TO CHART
AKSINYINO 14A, 14B, 14K, 14M	30-2E
AKSINYINO 32A, 32B, 32F, 32M	30-2F
GEKLA 14A, 14B, 14M	30-2G
GEKLA 32A, 32B, 32K, 32M	30-2H
KLIMOVSK 14A, 14B, 14M	30-2J
KLIMOVSK 32A, 32M	30-2K
MARYINO 14B	30-2L
MARYINO 32K, RUGEL 32K	30-2M
SKURYGINO 14A, 14B, 14M	30-2N
SKURYGINO 32A, 32M	30-2P
ARRIVALS TO DMD	30-2S
ARRIVALS TO DM & DO	30-2T
RNAV APCH TRANS DESIGNATION	REFER TO CHART
AKSINYINO 1A	30-2U
AKSINYINO 2A	30-2V
AKSINYINO 1B	30-2W
AKSINYINO 2B	30-2X
OKREM 1B	30-2X1
OKREM 2B	30-2X2
OKREM 3B	30-2X3
OKREM 4B	30-2X4
SKURYGINO 1A	30-2X5
SKURYGINO 2A	30-2X6
SKURYGINO 3B	30-2X7
SKURYGINO 4B	30-2X8
COMMUNICATION FAILURE	REFER TO CHART
AKSINYINO 14D, DOMODEDOVO 14	30-2X9
AKSINYINO 32D, DOMODEDOVO 32	30-2X10

ATIS
128.3 (Russian 122.95) Apt Elev 593' Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')

BOGDANOVO 1D (BD 1D)

NAMIN 1D [NAM1D]

TO GEKLA

BOGDANOVO 2D (BD 2D)

TO LO

TRANSITIONS

SPEED RESTRICTION

MAX 280 KT +/- 10 KT or Mach 0.8 to FL250.
MAX 270 KT +/- 10 KT below FL250 to FL100.
MAX 250 KT +/- 10 KT below FL100 to TL.

NAMIN

N56 43.1 E036 49.3

LEDOR

N56 40.0 E036 54.9

SAVELOVO
1285 SW

N56 22.1 E037 25.9

BOGDANOVO
360 BD

N57 06.5 E037 42.7

ALT/HEIGHT CONVERSION

QNH (QFE)
3880' (3287' - 1000m)



DEDUM
N55 50.0 E037 04.2

ARSEP
N55 42.3 E036 57.9

GOTMA
N55 38.3 E037 01.2

KLIMOVSK
1005 LO
N55 21.1 E037 31.6

BESTA
N55 55.0 E037 44.5

RUGEL
N55 51.9 E037 51.9

GEKLA
N55 39.0 E037 52.1

DOMODEDOVO
D(H) 113.3 DMD
N55 23.3 E037 54.7

TRANSITION

ROUTING

BD 1D

To SW, then to BESTA, then to RUGEL, then to GEKLA.

BD 2D

To SW, then to DEDUM, then to ARSEP, then to GOTMA, then to LO.

NAMIN 1D

To LEDOR, then to SW, then to BESTA, then to RUGEL, then to GEKLA.

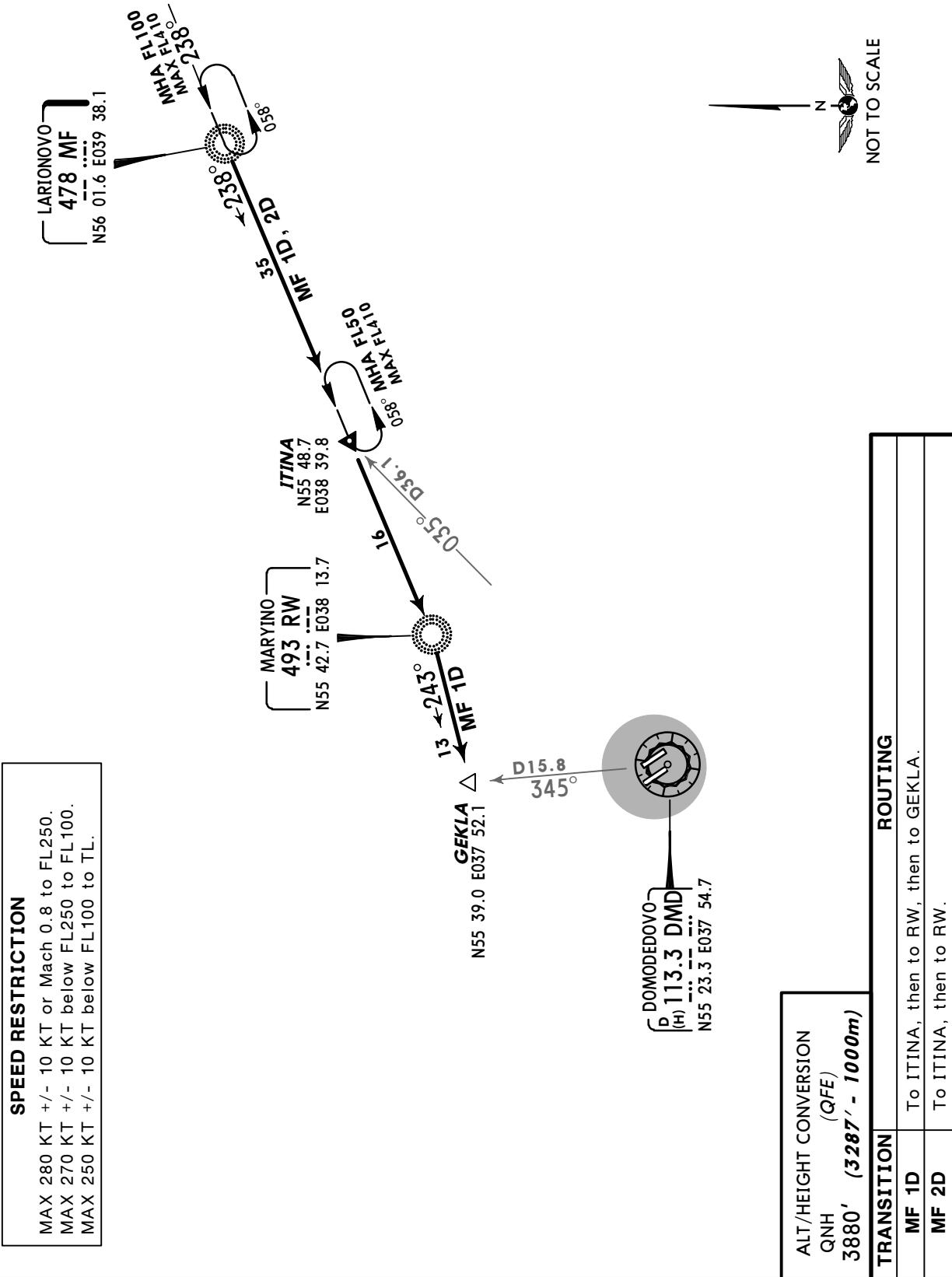
ATIS
128.3 (Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 3880' (3287')

(QFE)

LARIONOVO 1D (MF 1D), LARIONOVO 2D (MF 2D)
TO GEKLA TO RW
TRANSITIONS

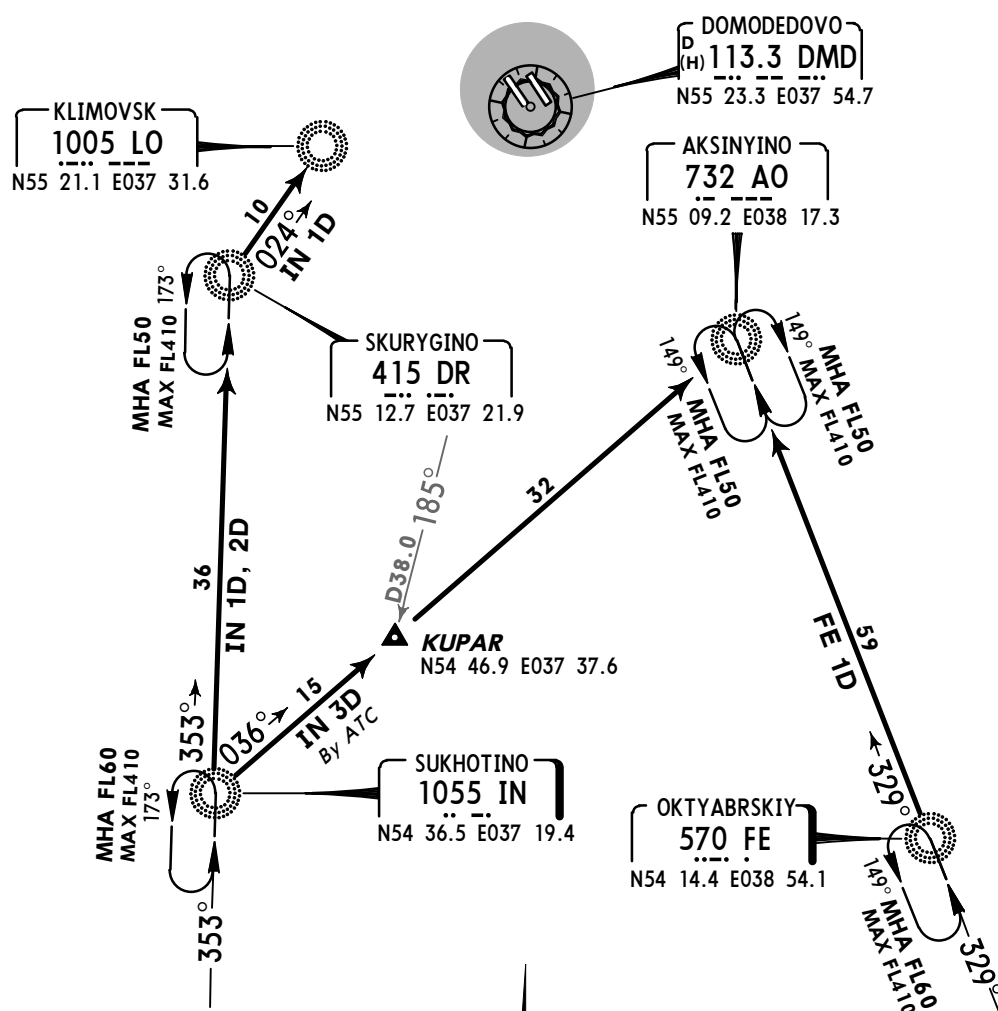


ATIS
128.3 (Russian 122.95) Apt Elev 593' Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')

OKTYABRSKIY 1D (FE 1D), SUKHOTINO 3D (IN 3D)
TO AO
SUKHOTINO 1D (IN 1D), SUKHOTINO 2D (IN 2D)
TO LO TO DR
TRANSITIONS

SPEED RESTRICTION

MAX 280 KT +/- 10 KT or Mach 0.8 to FL250.
MAX 270 KT +/- 10 KT below FL250 to FL100.
MAX 250 KT +/- 10 KT below FL100 to TL.



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)



NOT TO SCALE

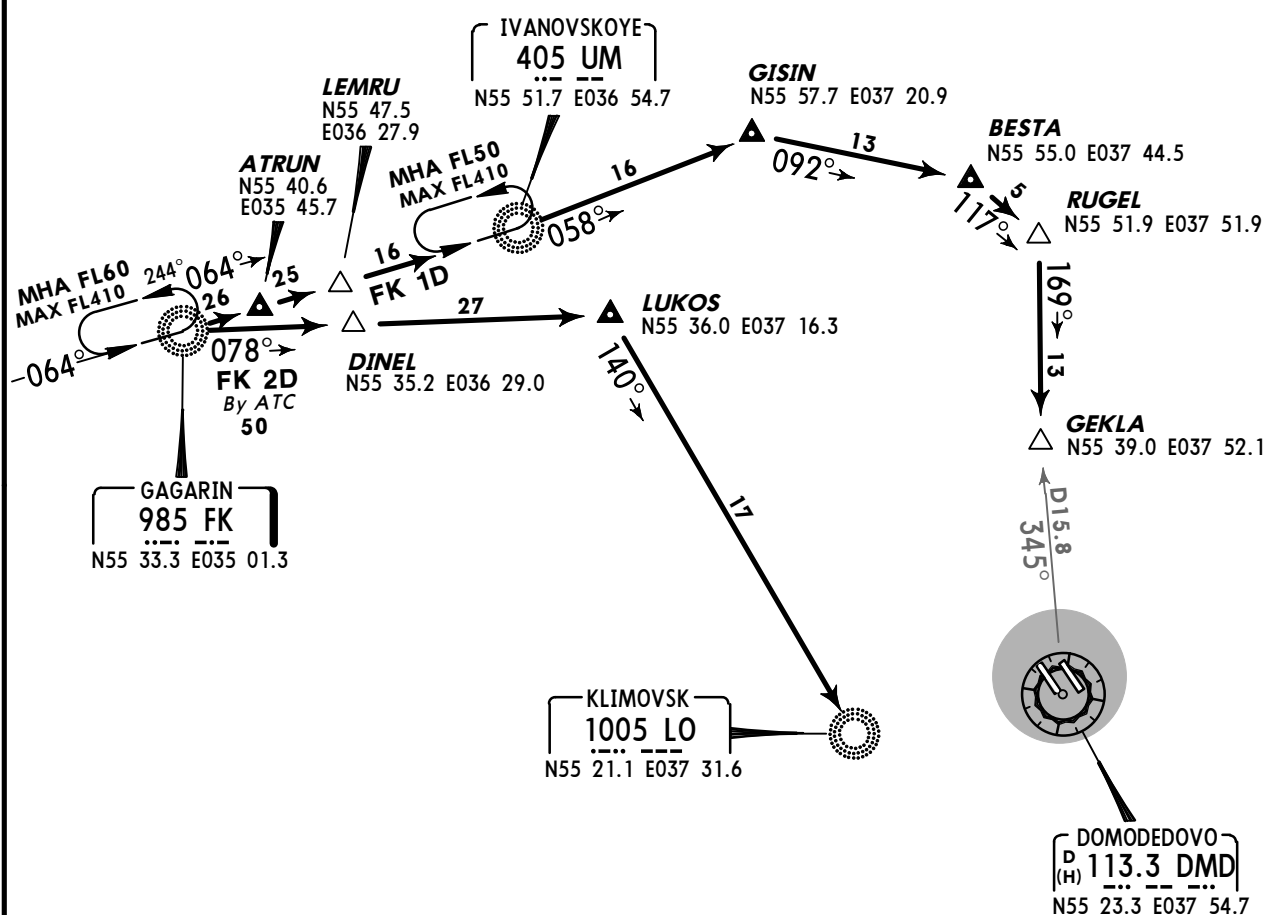
TRANSITION	ROUTING
FE 1D	To AO.
IN 1D	To DR, then to LO.
IN 2D	To DR.
IN 3D	To KUPAR, then to AO.

ATIS
128.3 (Russian 122.95)
Apt Elev
593'
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')

GAGARIN 1D (FK 1D), GAGARIN 2D (FK 2D) TO GEKLA TO LO TRANSITIONS

SPEED RESTRICTION

MAX 280 KT +/- 10 KT or Mach 0.8 to FL250.
MAX 270 KT +/- 10 KT below FL250 to FL100.
MAX 250 KT +/- 10 KT below FL100 to TL.



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

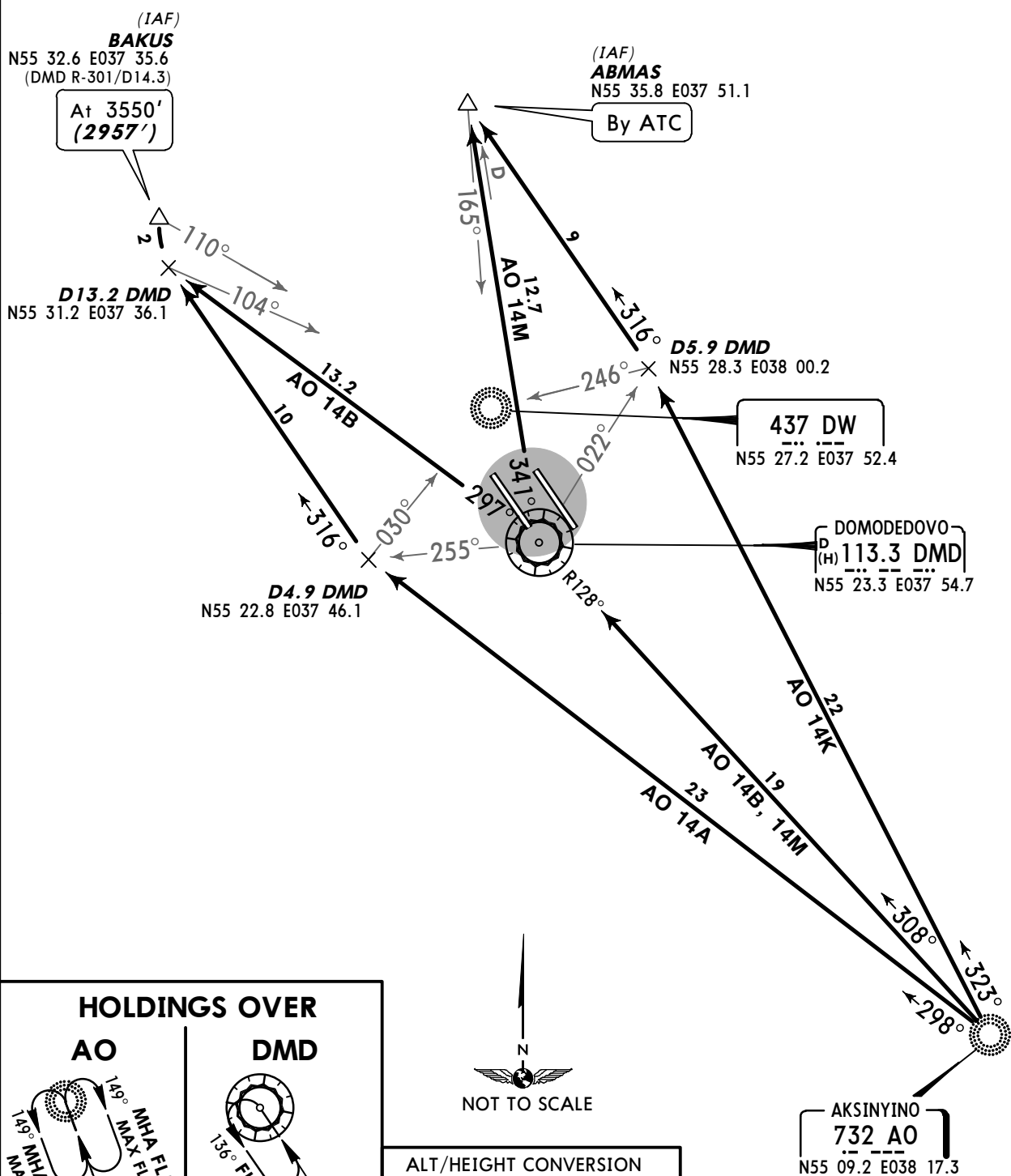
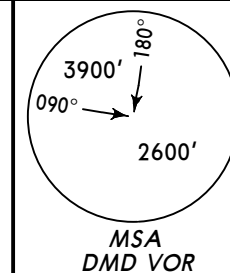
TRANSITION	ROUTING
FK 1D	Via ATRUN and LEMRU to UM, then to GISIN, then to BESTA, then to RUGEL, then to GEKLA.
FK 2D	Via DINEL to LUKOS, then to LO.

ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

AKSINYINO 14 ALPHA (AO 14A)
AKSINYINO 14 BRAVO (AO 14B)
AKSINYINO 14 KILO (AO 14K)
AKSINYINO 14 MIKE (AO 14M)
RWYS 14R/L ARRIVALS
~~SPEED~~ MAX 250 KT BELOW FL100

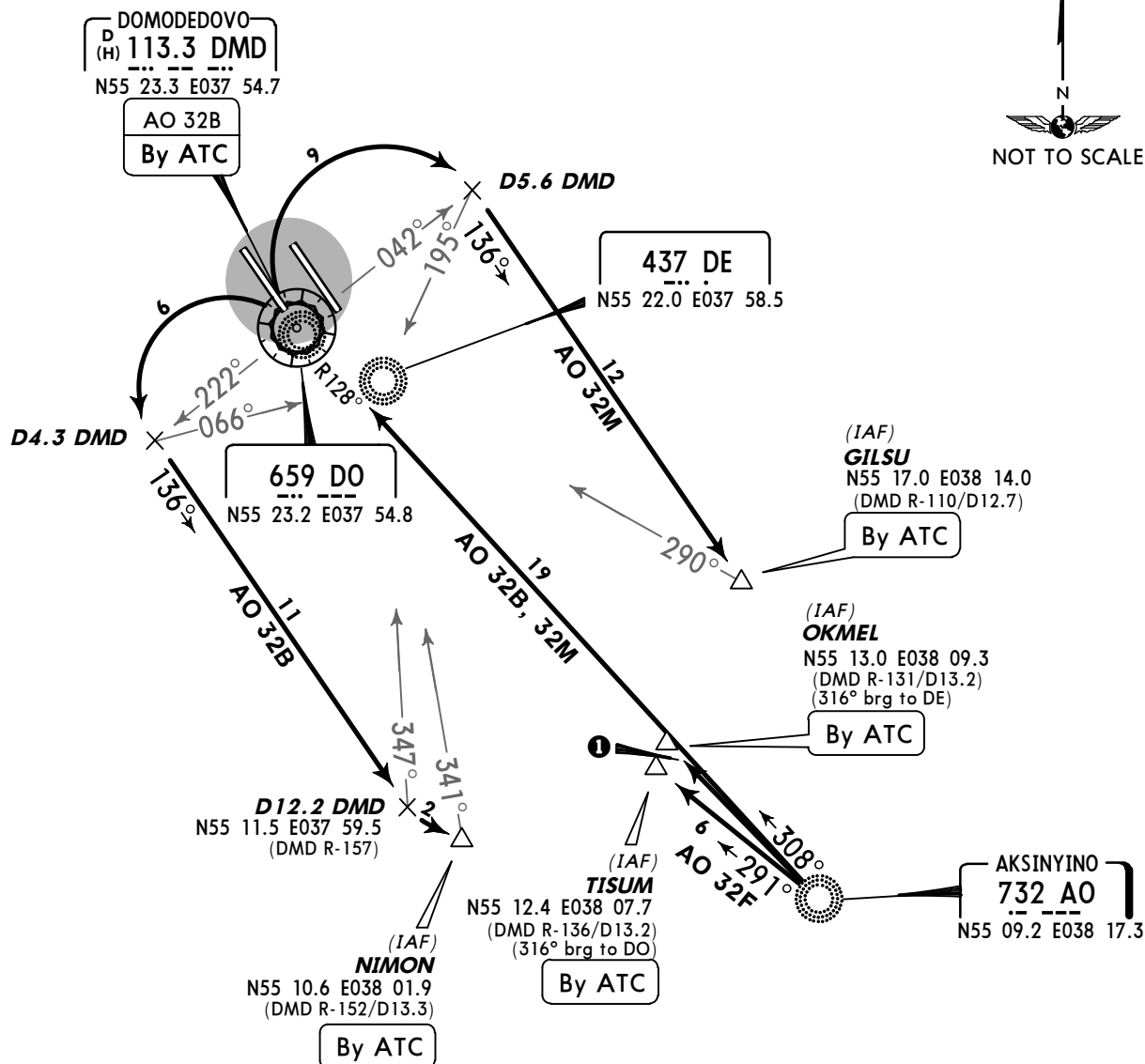
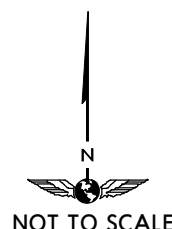
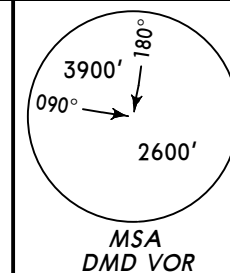


ATIS
128.3
(Russian 122.95)

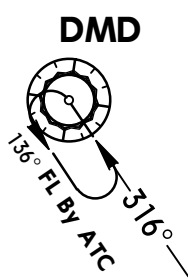
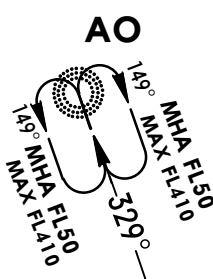
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

AKSINYINO 32 ALPHA (AO 32A)
AKSINYINO 32 BRAVO (AO 32B)
AKSINYINO 32 FOXTROT (AO 32F)
AKSINYINO 32 MIKE (AO 32M)
RWYS 32L/R ARRIVALS
~~SPEED~~ MAX 250 KT BELOW FL100



HOLDINGS OVER



① 6
← 300°
AO 32A

ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

ATIS
128.3
(Russian 122.95)

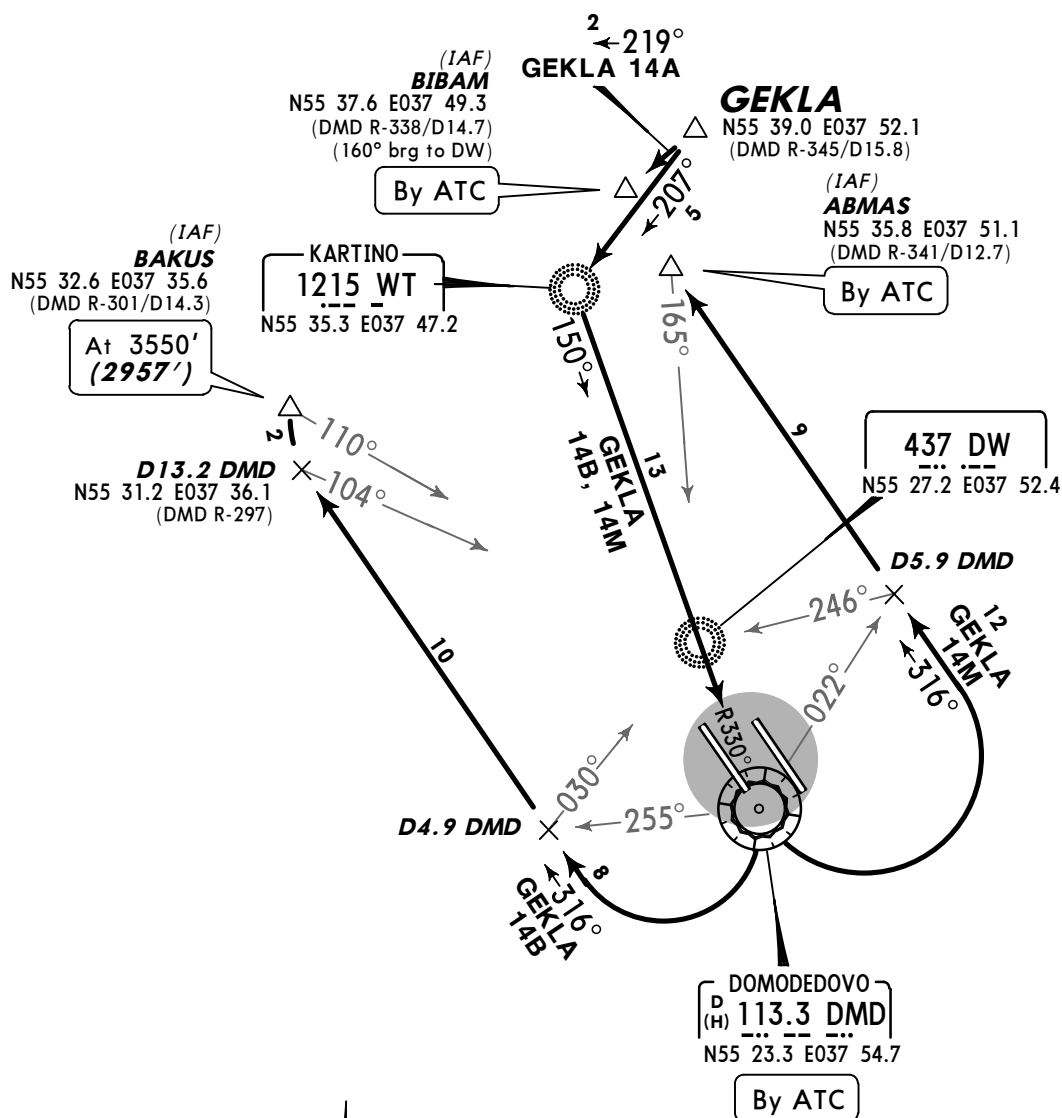
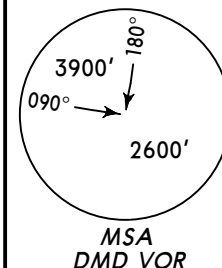
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3880' **(3287')**
Execute noise abatement procedures according to ICAO DOC 8168.

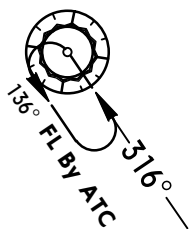
GEKLA 14 ALPHA (GEKLA 14A) [GEK14A]
GEKLA 14 BRAVO (GEKLA 14B) [GEK14B]
GEKLA 14 MIKE (GEKLA 14M) [GEK14M]

RWYS 14R/L ARRIVALS

~~SPEEDS~~ MAX 250 KT BELOW FL100



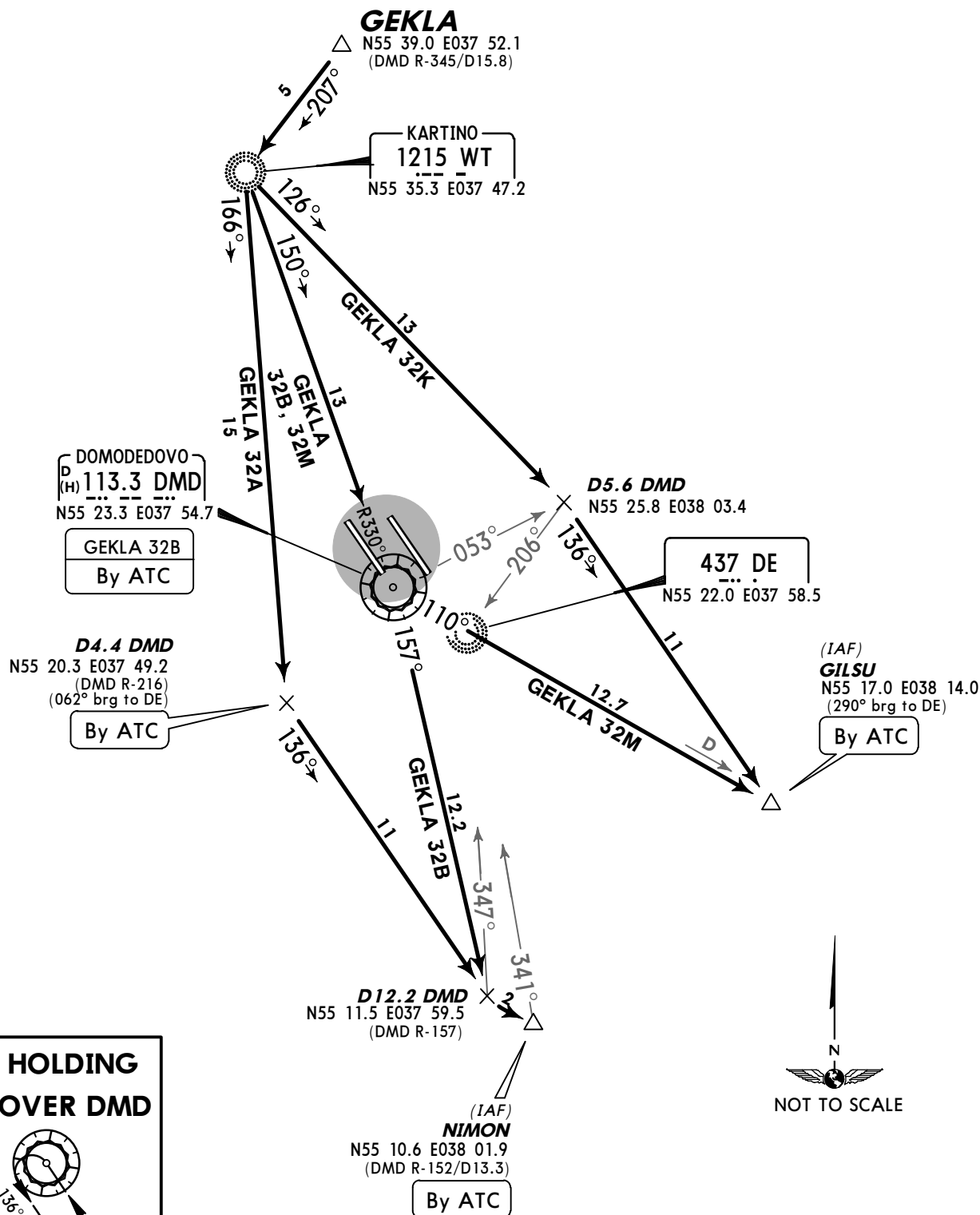
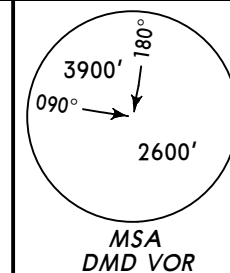
**HOLDING
OVER DMD**



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)
3550' (2957' - 900m)

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3880' **(3287')**
Execute noise abatement procedures according to ICAO DOC 8168.

SPEED: MAX 250 KT BELOW FL100



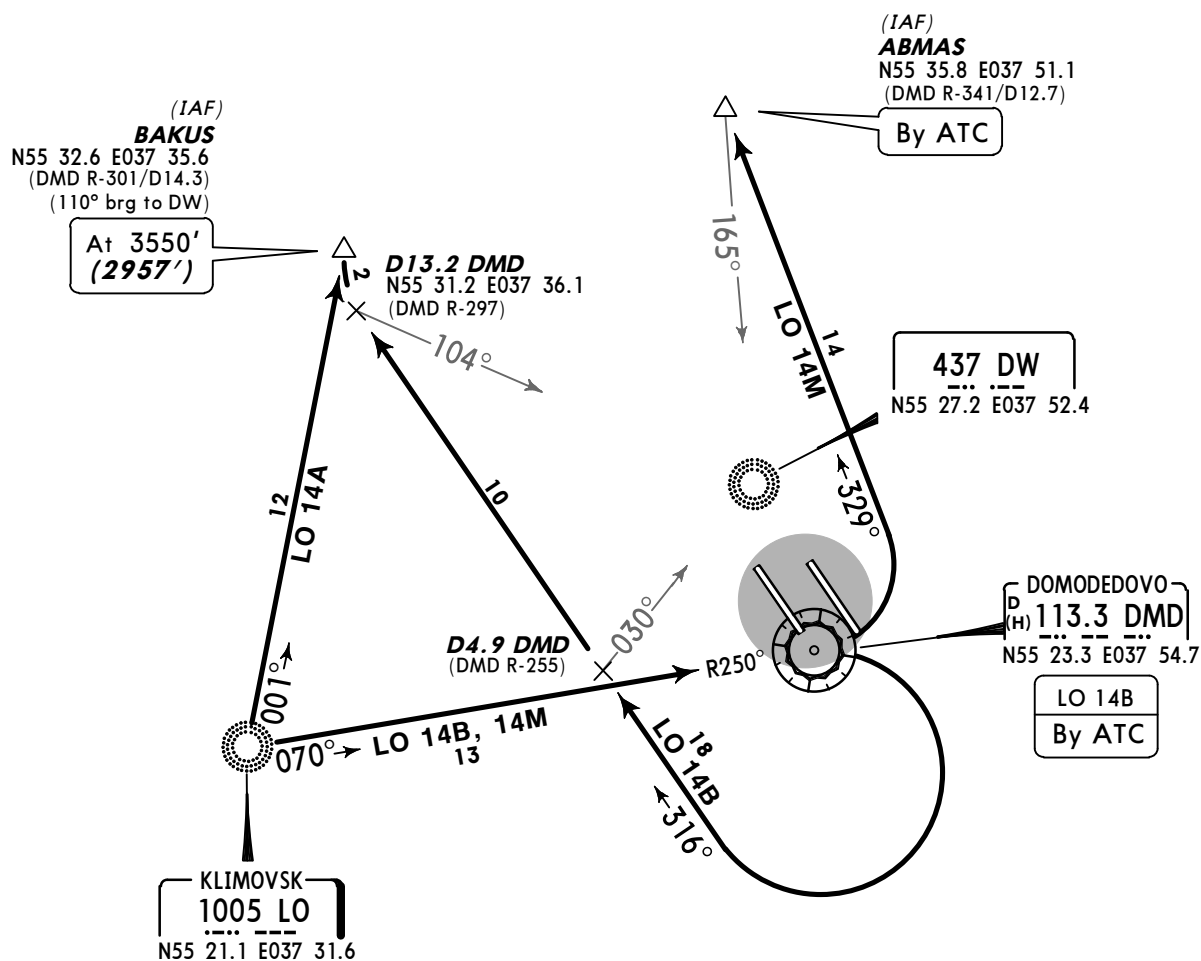
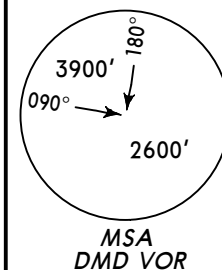
ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

ATIS
128.3
(Russian 122.95)

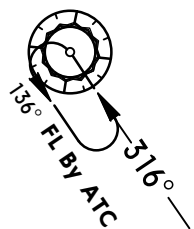
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

KLIMOVSK 14 ALPHA (LO 14A)
KLIMOVSK 14 BRAVO (LO 14B)
KLIMOVSK 14 MIKE (LO 14M)
RWYS 14R/L ARRIVALS
~~SPEED~~ MAX 250 KT BELOW FL100



**HOLDING
OVER DMD**



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)
3550' (2957' - 900m)

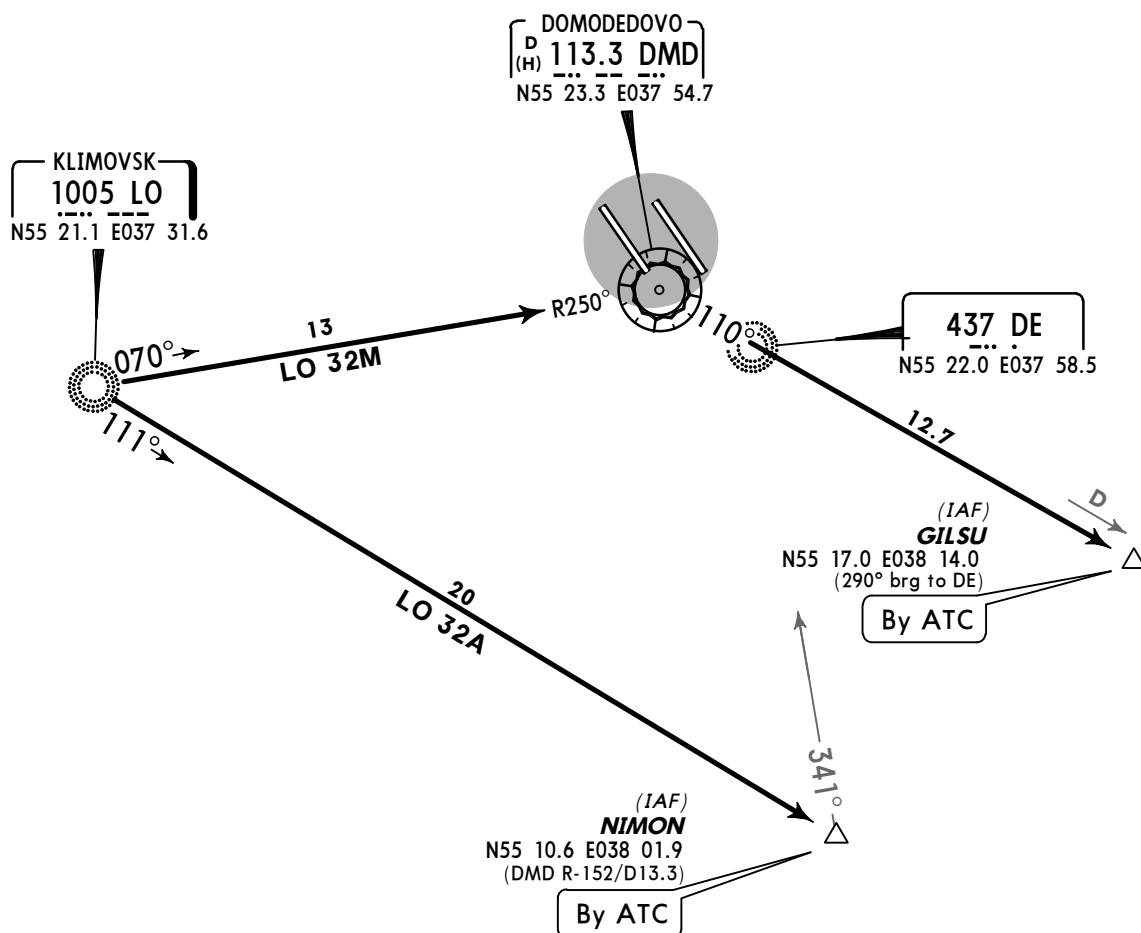
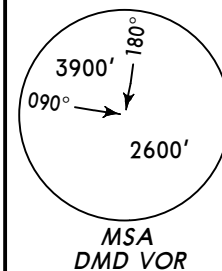


ATIS
128.3
(Russian 122.95)

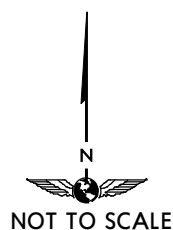
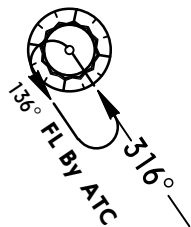
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

KLIMOVSK 32 ALPHA (LO 32A)
KLIMOVSK 32 MIKE (LO 32M)
RWYS 32L/R ARRIVALS
~~SPEED~~ MAX 250 KT BELOW FL100



HOLDING
OVER DMD



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

ATIS
128.3
(Russian **122.95**)

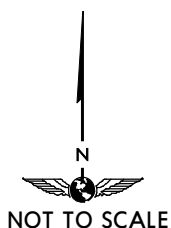
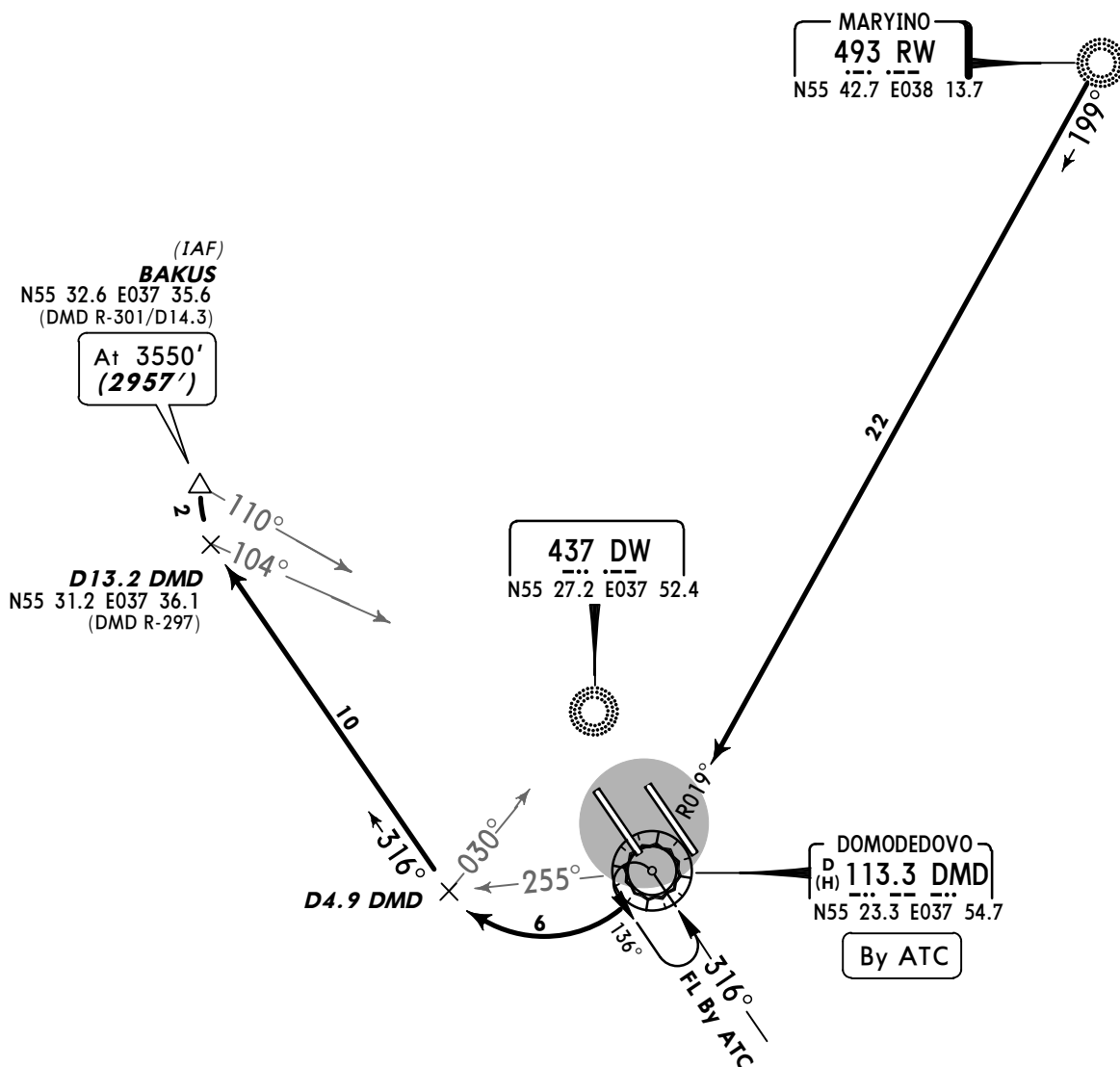
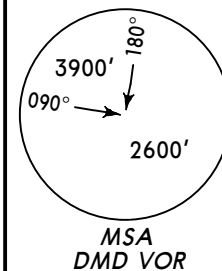
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (**3287'**)
Execute noise abatement procedures according to ICAO DOC 8168.

MARYINO 14 BRAVO (RW 14B)
RWYS 14R/L ARRIVAL

BY ATC

~~SPEED~~ MAX 250 KT BELOW FL100



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (**3287' - 1000m**)
3550' (**2957' - 900m**)

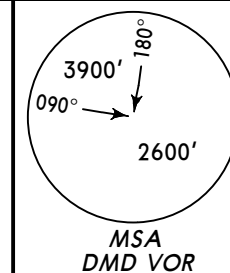
ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

MARYINO 32 KILO (RW 32K)
RUGEL 32 KILO (RUGEL 32K) [RUG32K]
RWYS 32L/R ARRIVALS
BY ATC

SPEED MAX 250 KT BELOW FL100



RUGEL
N55 51.9 E037 51.9

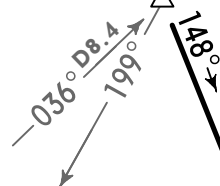


RUGEL 32K
24

MARYINO
493 RW
N55 42.7 E038 13.7

169°
RW 32K
18

MADUR
N55 29.2 E038 05.4



(IAF)
DIGEM
N55 24.6 E038 14.4
(DMD R-073/D11.3)

By ATC

DOMODEDOVO
D(H) 113.3 DMD
N55 23.3 E037 54.7

437 DE
N55 22.0 E037 58.5

(IAF)
GILSU
N55 17.0 E038 14.0
(DMD R-110/D12.7)

By ATC

ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

ATIS
128.3
(Russian 122.95)

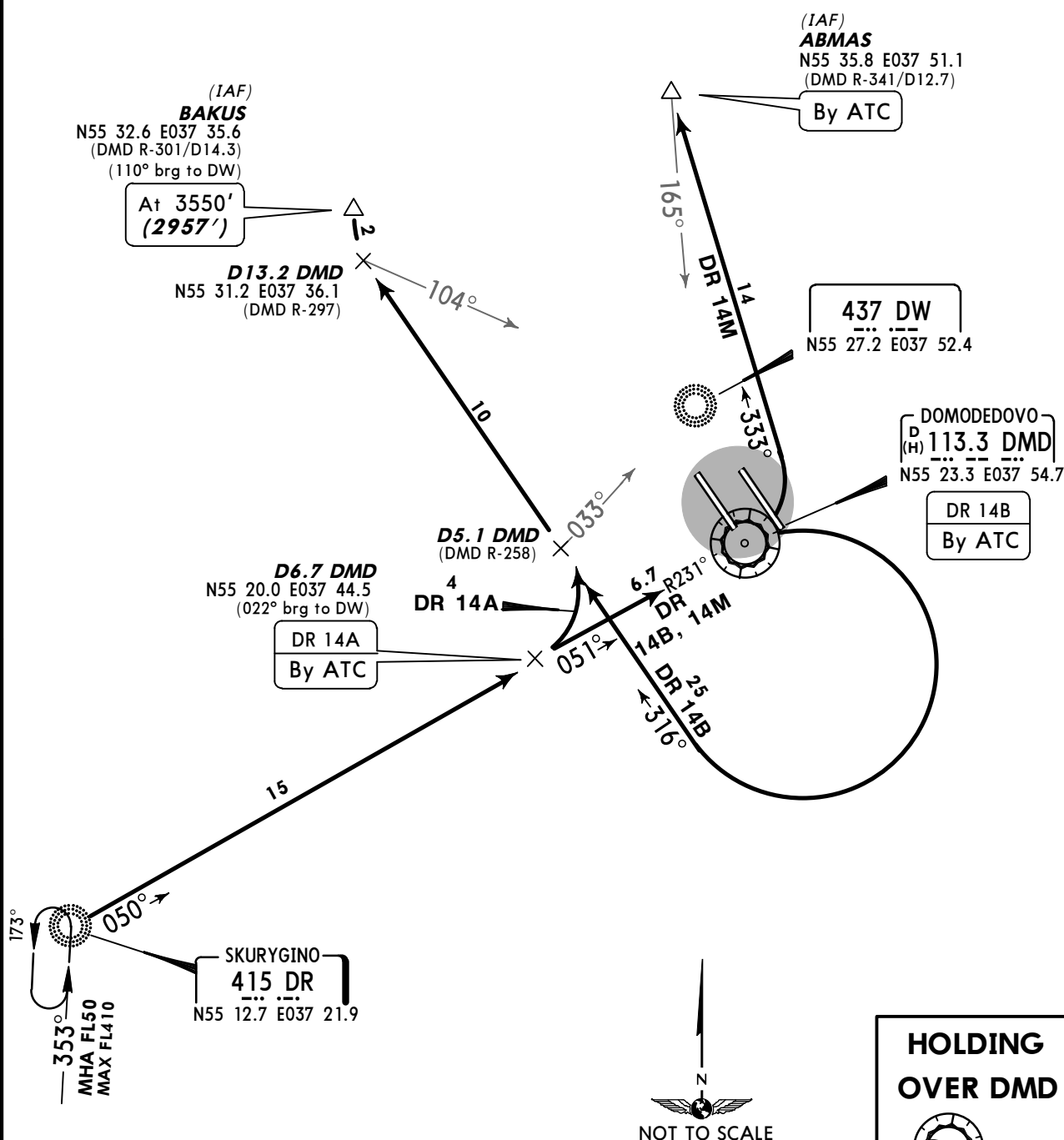
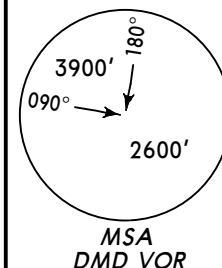
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

SKURYGINO 14 ALPHA (DR 14A)
SKURYGINO 14 BRAVO (DR 14B)
SKURYGINO 14 MIKE (DR 14M)

RWYS 14R/L ARRIVALS

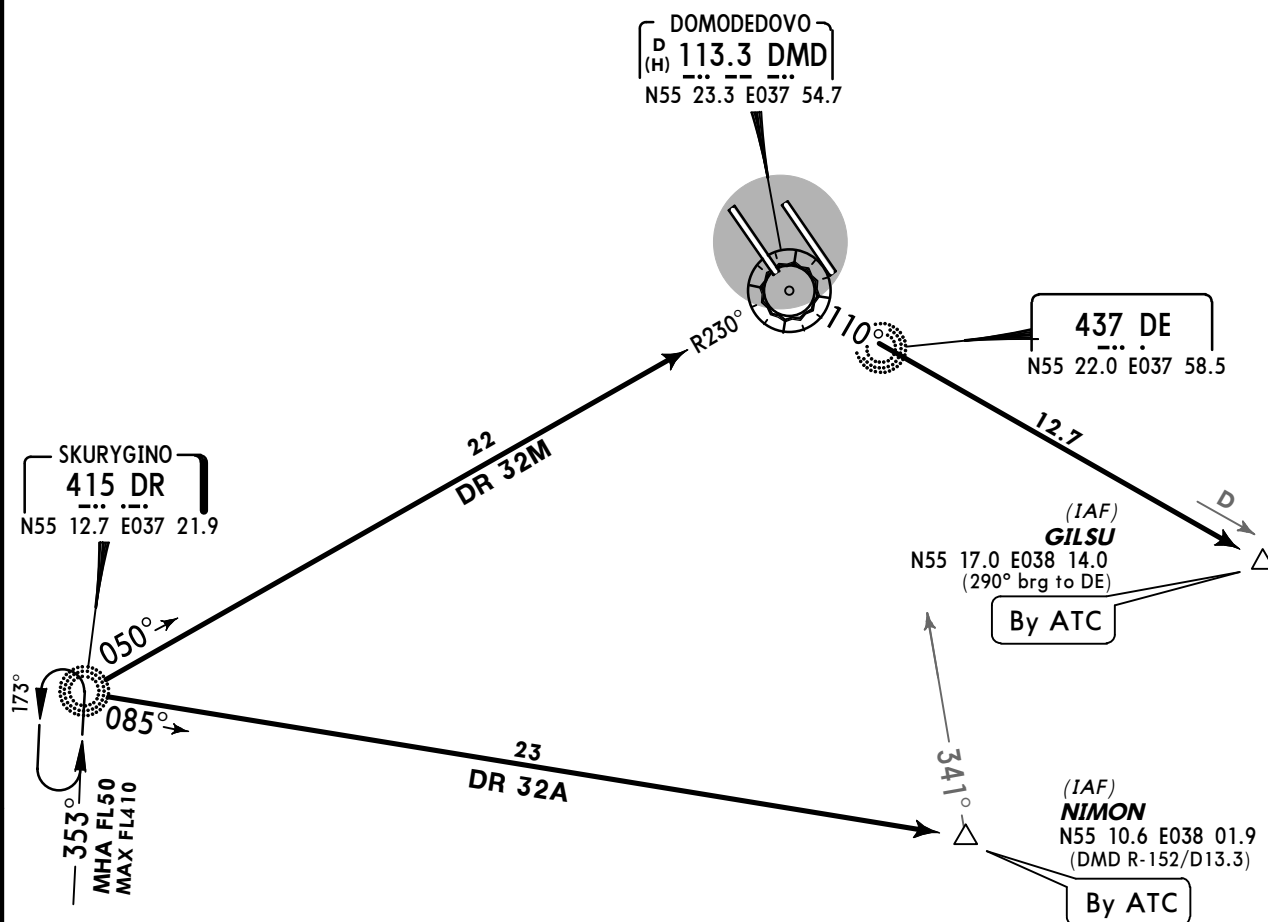
SPEED MAX 250 KT BELOW FL100



ALT/HEIGHT CONVERSION

QNH (QFE)
3880' (3287' - 1000m)
3550' (2957' - 900m)

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3880' **(3287')**
Execute noise abatement procedures according to ICAO DOC 8168.



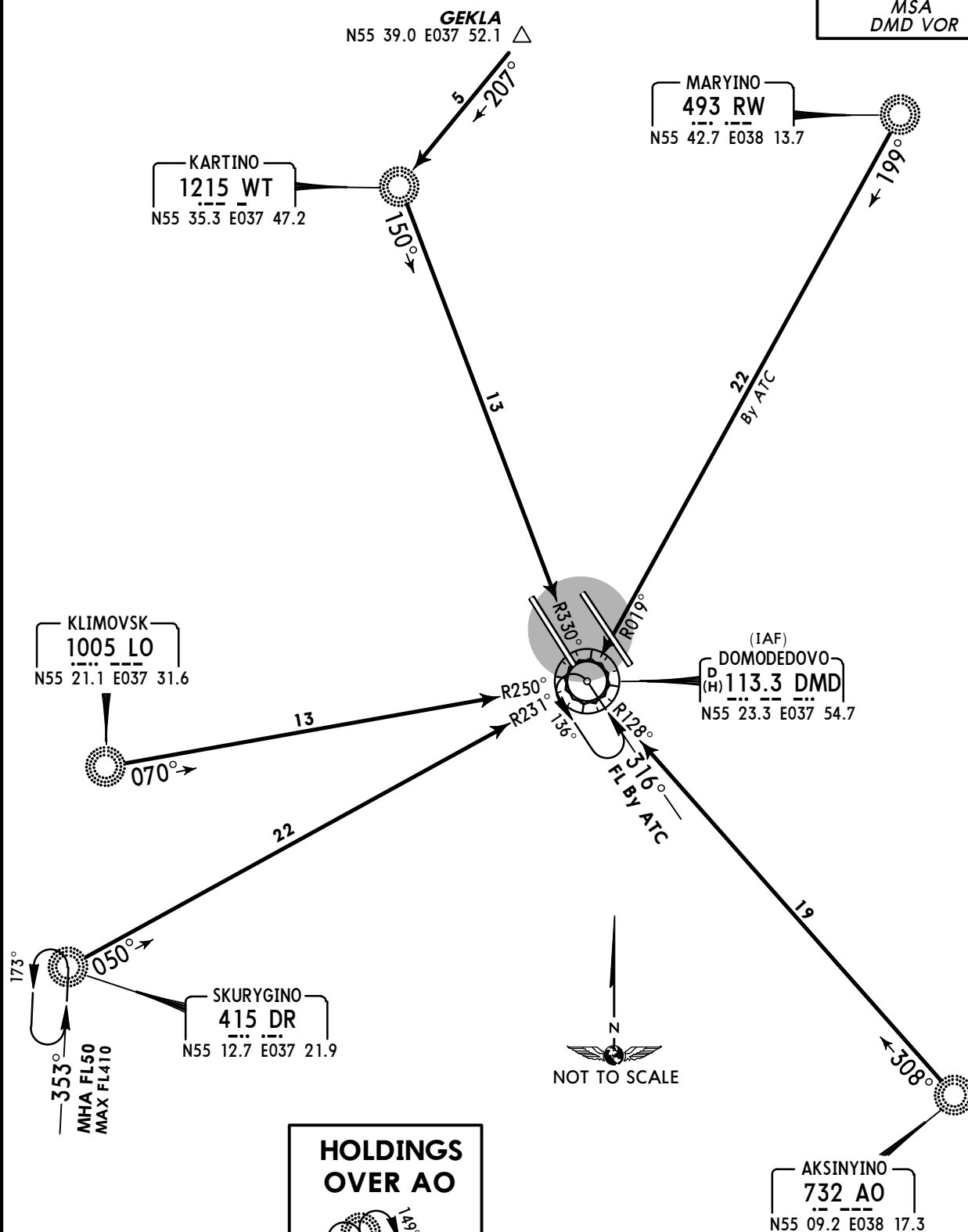
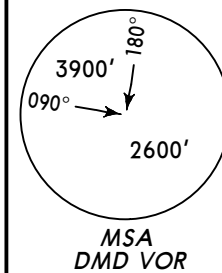
ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

ATIS
128.3
(Russian 122.95)

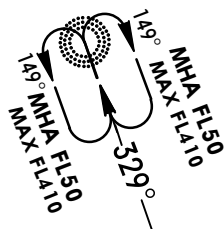
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

RWYS 14R, 32L ARRIVALS
TO DMD
SPEED: MAX 250 KT BELOW FL100



HOLDINGS
OVER AO



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

ATIS
128.3
(Russian 122.95)

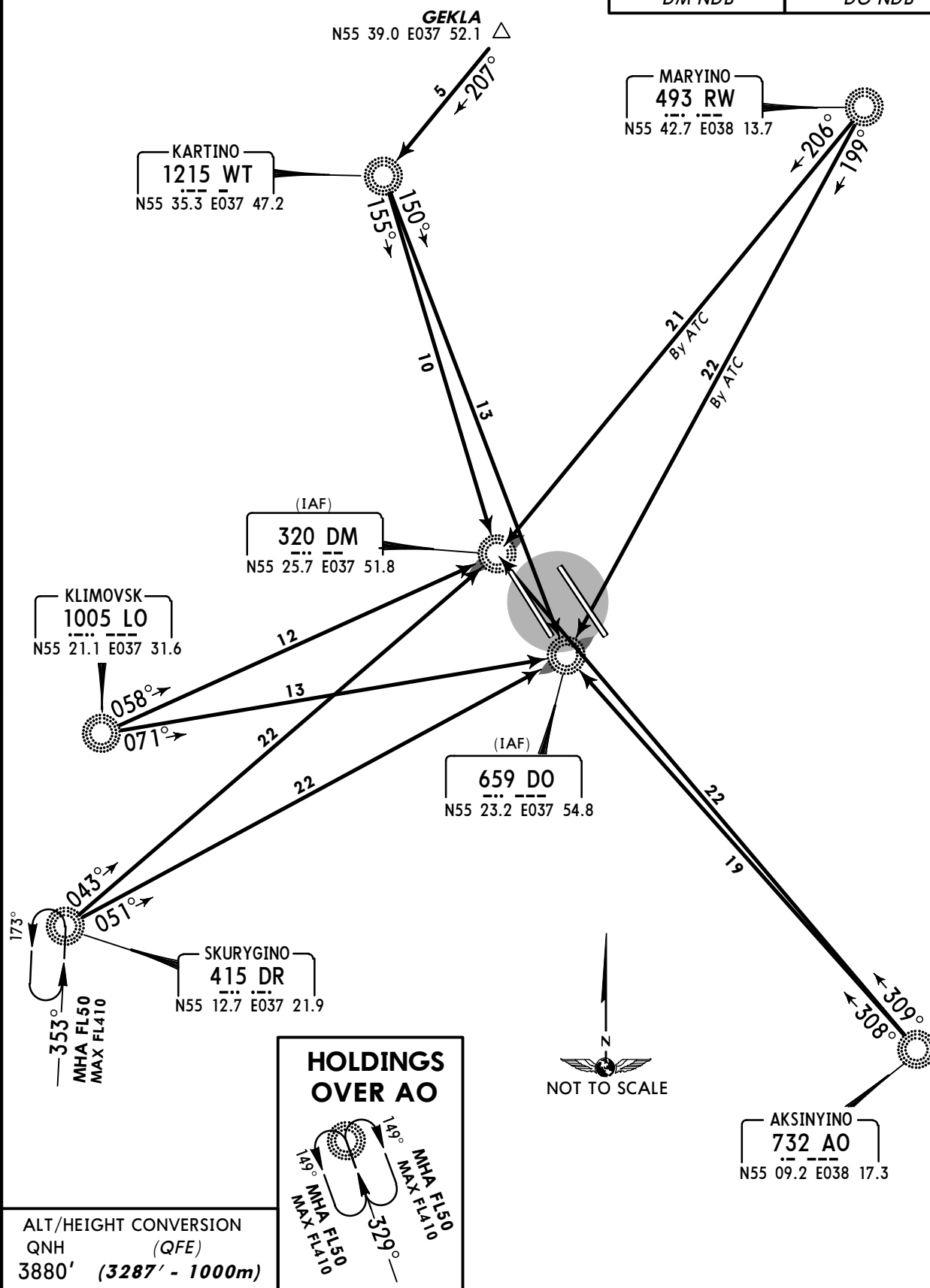
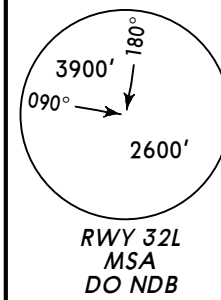
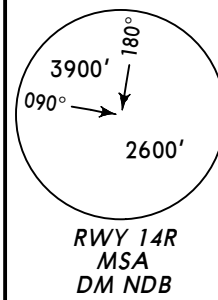
Apt Elev
593'

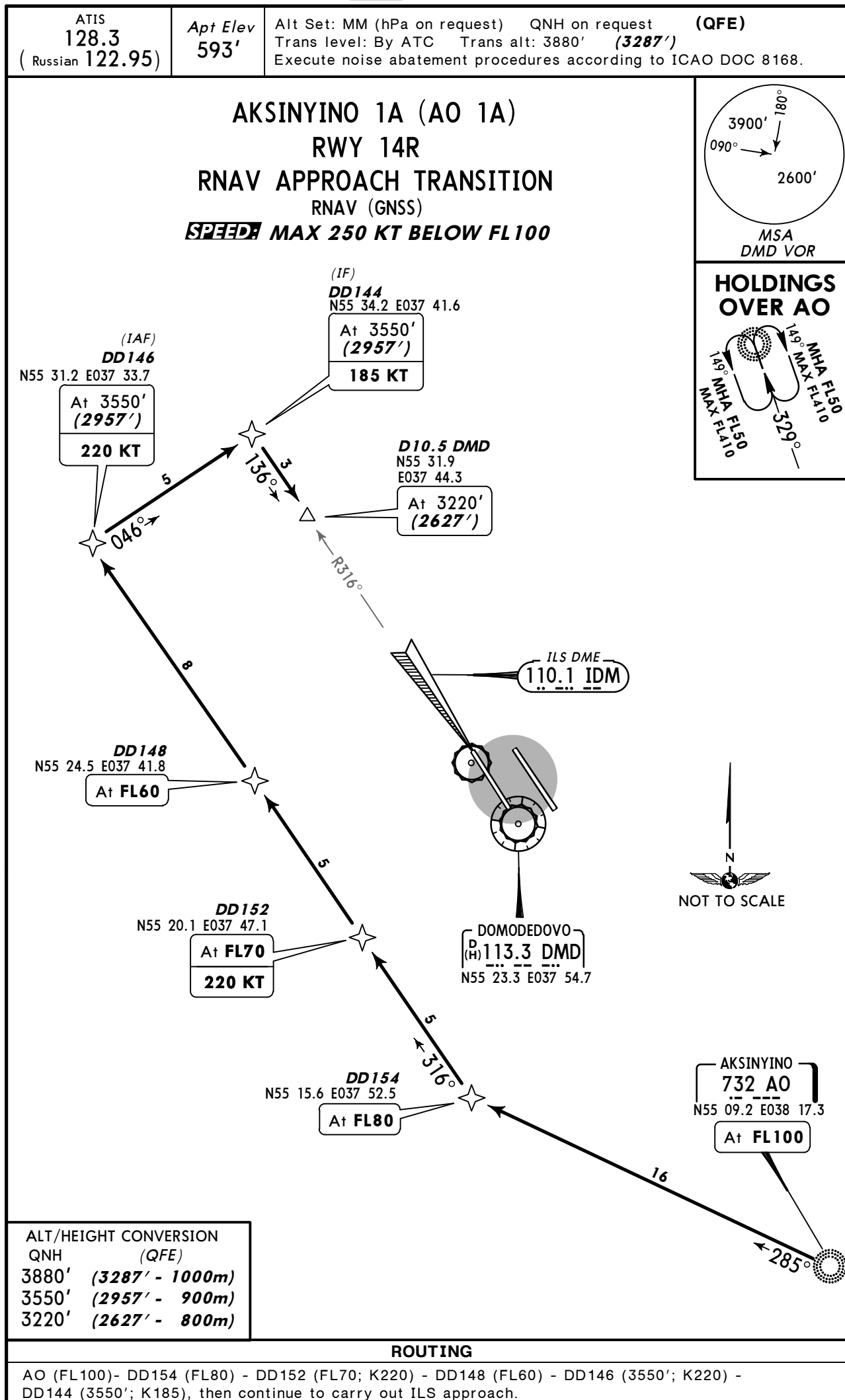
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

RWY 14R ARRIVALS
TO DM

RWY 32L ARRIVALS
TO DO

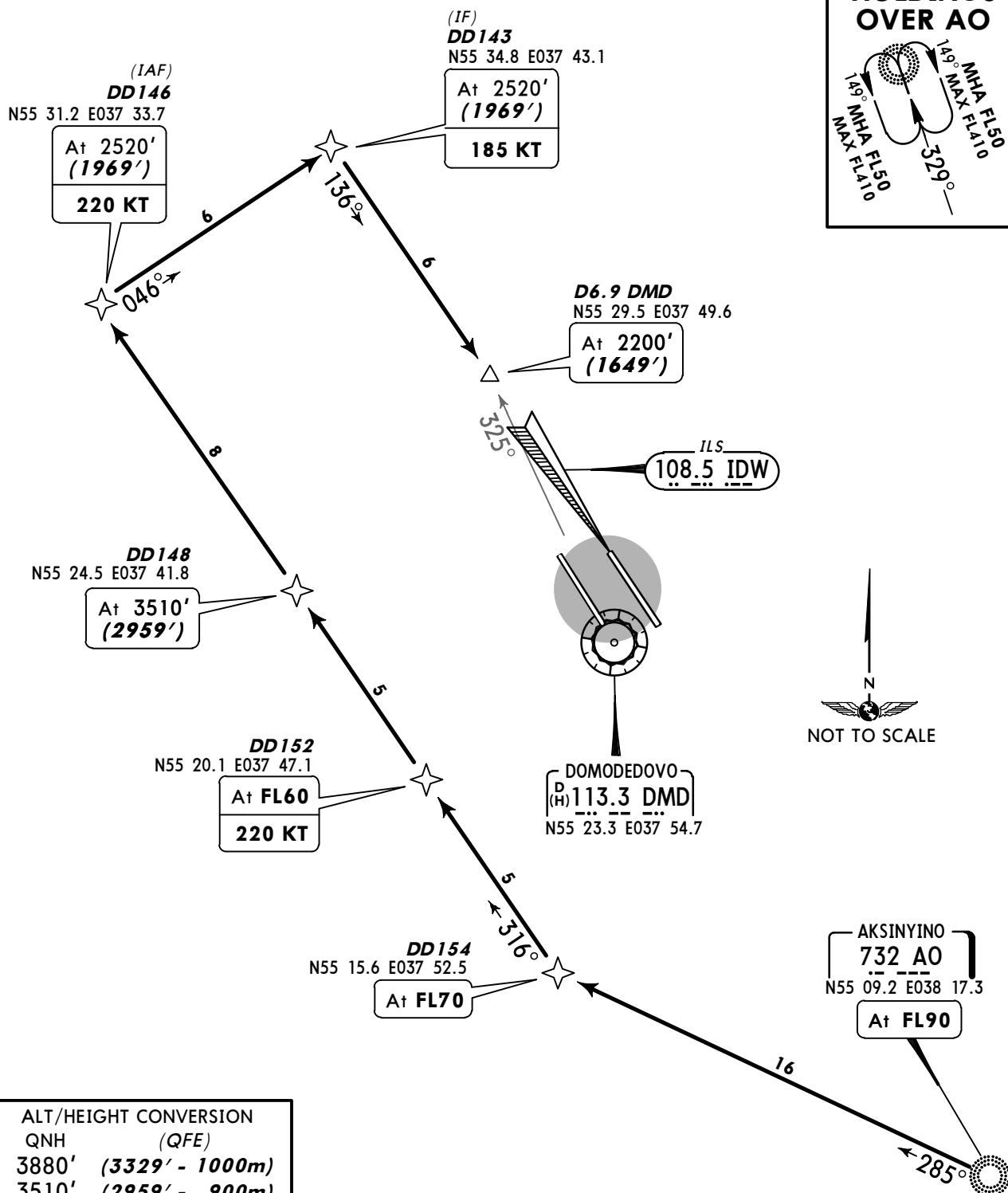
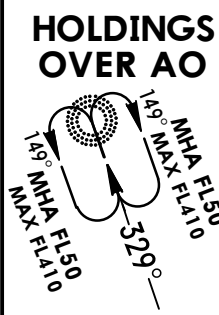
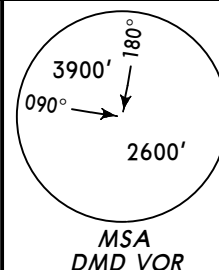
SPEED: MAX 250 KT BELOW FL100





ATIS 128.3 (Russian 122.95)	Apt Elev 593'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: By ATC Trans alt: 3880' (3329') Execute noise abatement procedures according to ICAO DOC 8168.
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AKSINYINO 2A (AO 2A)
RWY 14L
RNAV APPROACH TRANSITION
RNAV (GNSS)
~~SPEED~~ MAX 250 KT BELOW FL100



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3329' - 1000m)
3510'	(2959' - 900m)
2520'	(1969' - 600m)
2200'	(1649' - 500m)

ROUTING

AO (FL90)- DD154 (FL70) - DD152 (FL60; K220) - DD148 (3510') - DD146 (2520'; K220) - DD143 (2520'; K185), then continue to carry out ILS approach.

ATIS
128.3
(Russian 122.95)

Apt Elev
593'

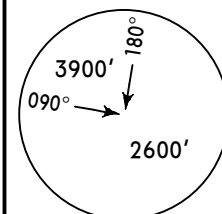
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

AKSINYINO 1B (AO 1B) RWY 14R RNAV APPROACH TRANSITION

RNAV (GNSS)

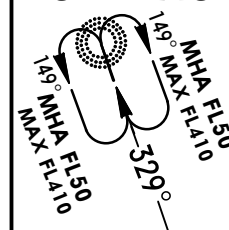
BY ATC

SPEEDS MAX 250 KT BELOW FL100



MSA
DMD VOR

HOLDINGS OVER AO



(IF)
DD144
N55 34.2 E037 41.6

At 3550'
(2957')
185 KT

(IAF)
DD145
N55 38.2 E037 51.9

At 3550'
(2957')
220 KT

D10.5 DMD
N55 31.9
E037 44.3

At 3220'
(2627')

DD147
N55 31.6 E037 59.9

At FL60
220 KT

DD149
N55 27.1 E038 05.3

At FL70
220 KT

DD151
N55 22.7
E038 10.6

At FL80
220 KT

DD153
N55 18.2 E038 15.9

At FL90
220 KT

AKSINYINO
732 AO
N55 09.2 E038 17.3

At FL100

DOMODEDOVO
D
(H) 113.3 DMD
N55 23.3 E037 54.7

ILS DME
110.1 IDM

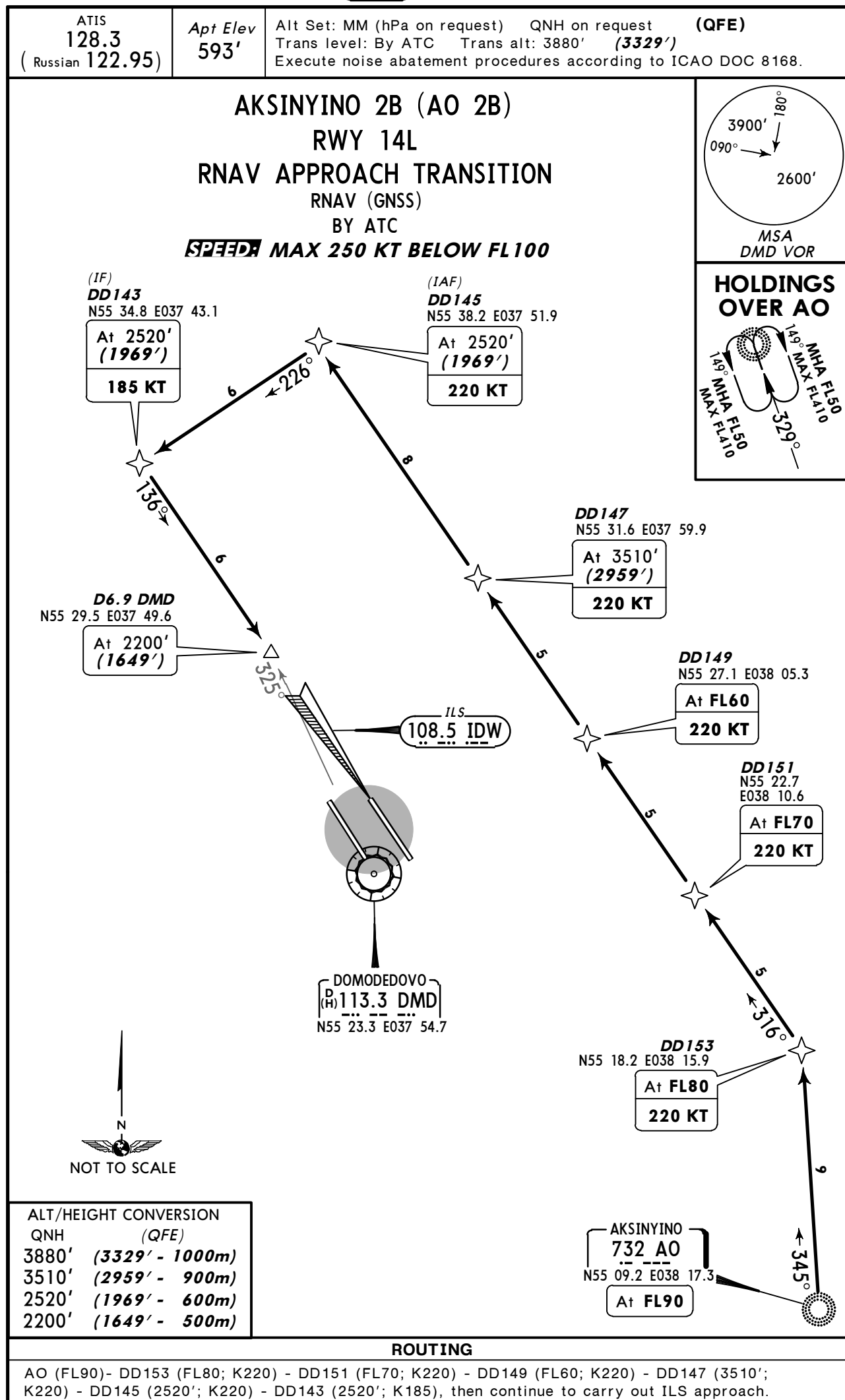


NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3287' - 1000m)
3550'	(2957' - 900m)
3220'	(2627' - 800m)

ROUTING

AO (FL100) - DD153 (FL90; K220) - DD151 (FL80; K220) - DD149 (FL70; K220) - DD147 (FL60; K220) - DD145 (3550'; K220) - DD144 (3550'; K185), then continue to carry out ILS approach.



ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

ROUTING

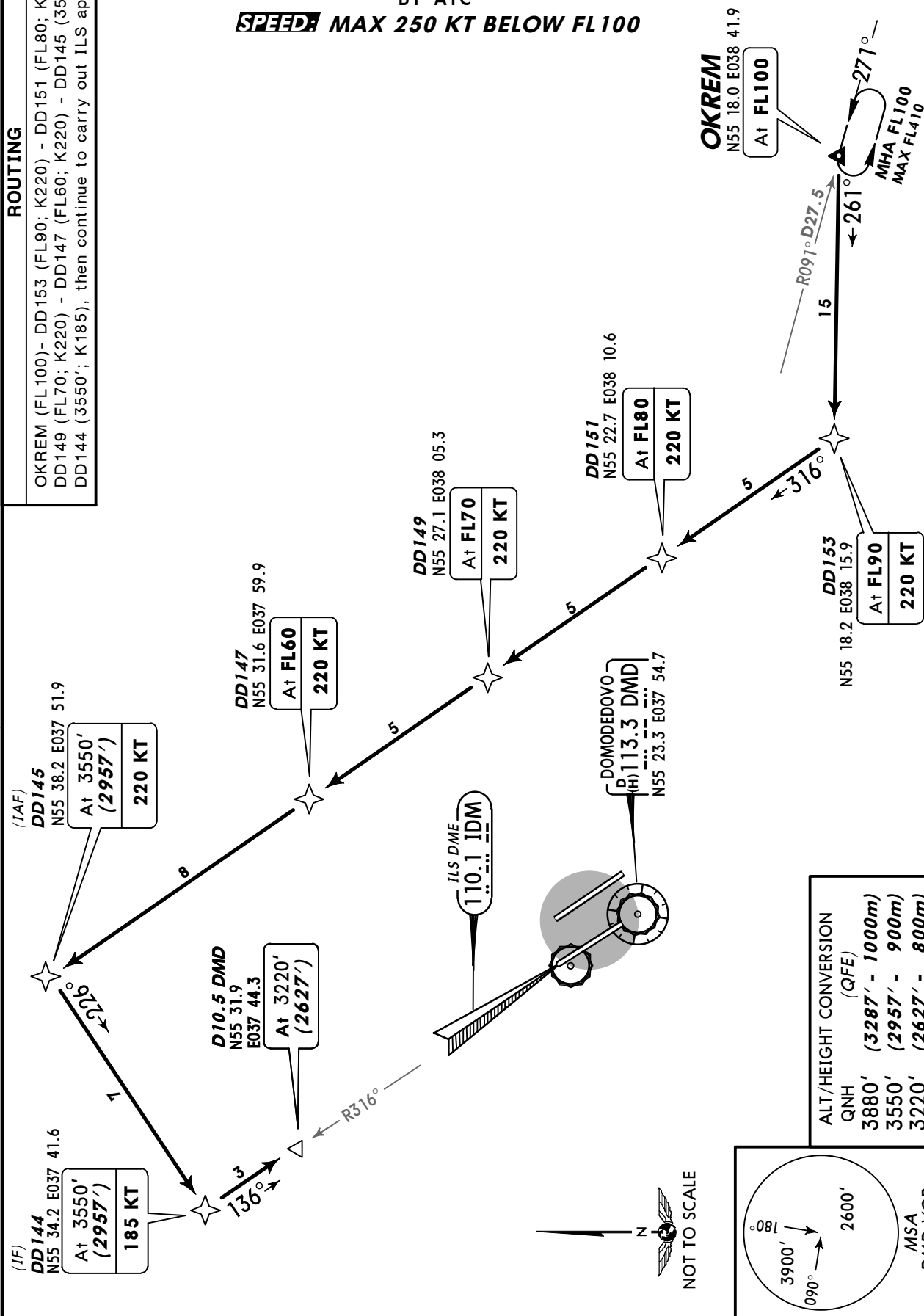
OKREM (FL100) - DD153 (FL90; K220) - DD151 (FL80; K220) - DD149 (FL70; K220) - DD147 (FL60; K220) - DD145 (3550'; K220) - DD144 (3550'; K185), then continue to carry out ILS approach.

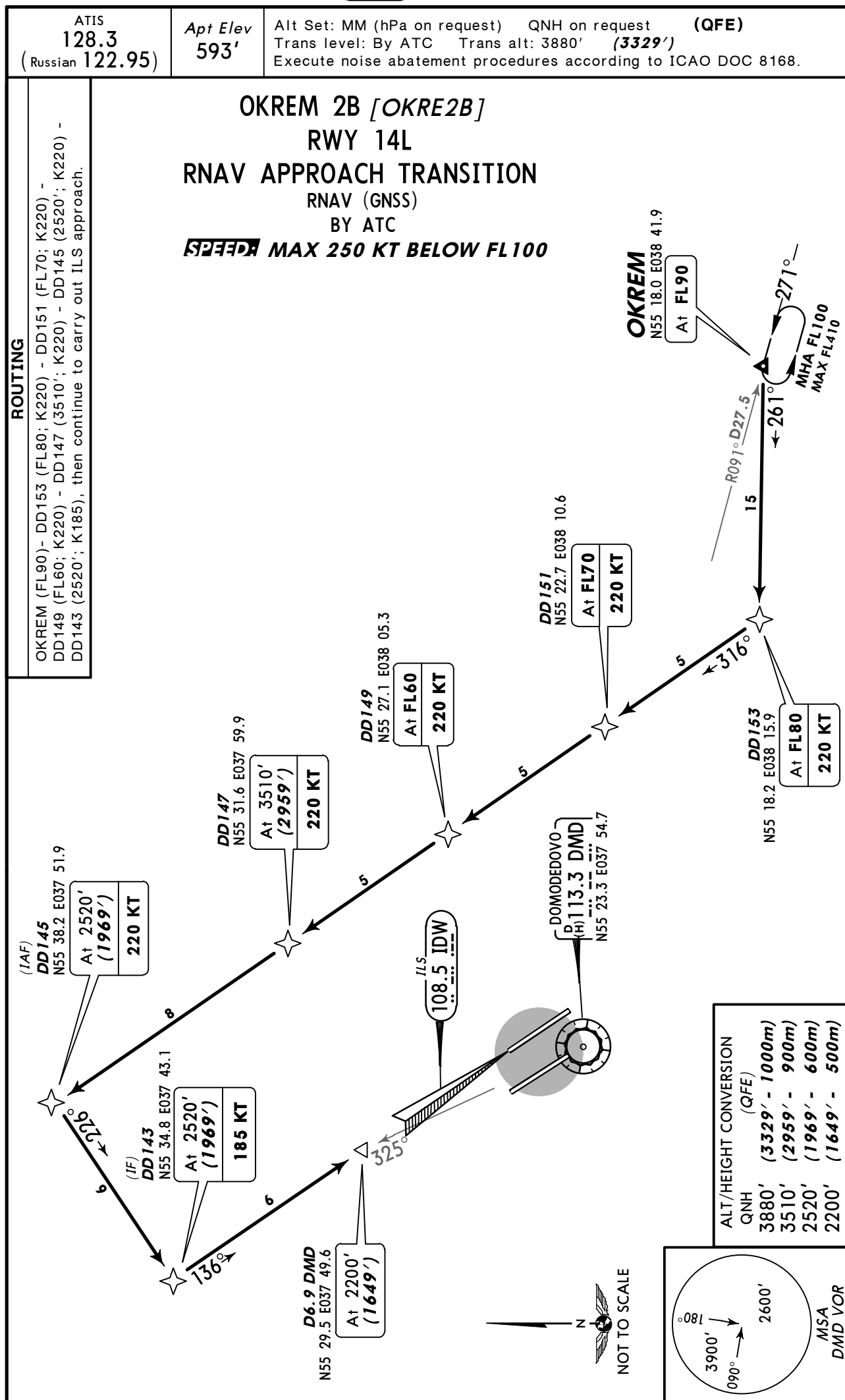
OKREM 1B [OKRE1B]
RWY 14R RNAV APPROACH TRANSITION

RNAV (GNSS)

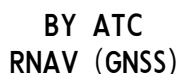
BY ATC

SPEED: MAX 250 KT BELOW FL100



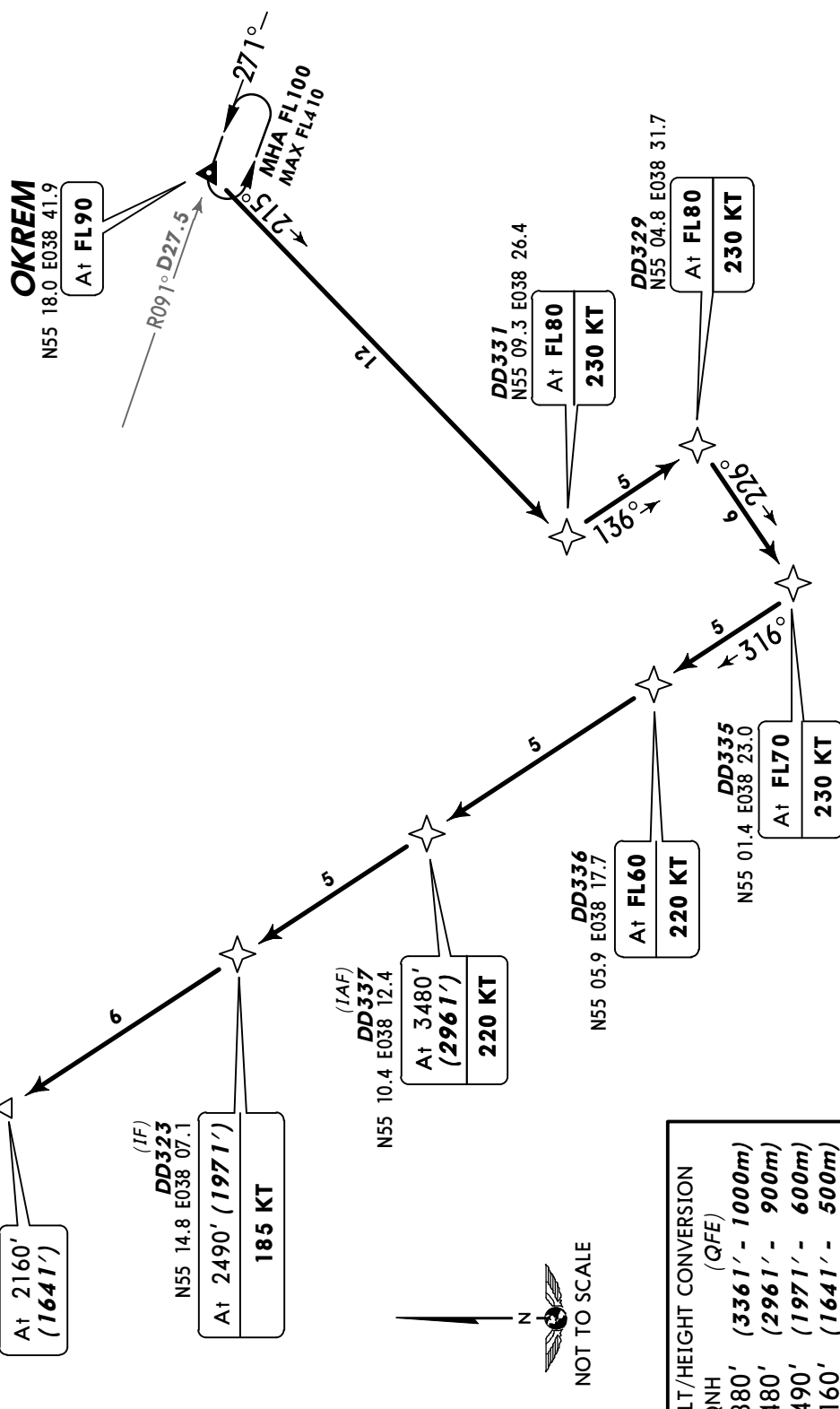


Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3880' **(3361')**
Execute noise abatement procedures according to ICAO DOC 8168.



ROUTING

OKREM (FL90) - DD331 (FL80; K230) - DD329 (FL80; K230) -
 DDD335 (FL70; K230) - DD336 (FL60; K220) - DD337 (3480'; K220) -
 DDD323 (2490'; K185), then continue to carry out ILS approach.



ALT/HEIGHT CONVERSION

QNH (QFE)

3880' (3361' - 1000m)

3480' (2961' - 900m)

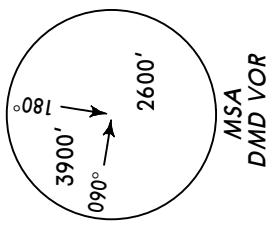
2490' (1971' - 600m)

2160' (1641' - 500m)

ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3349')
Execute noise abatement procedures according to ICAO DOC 8168.



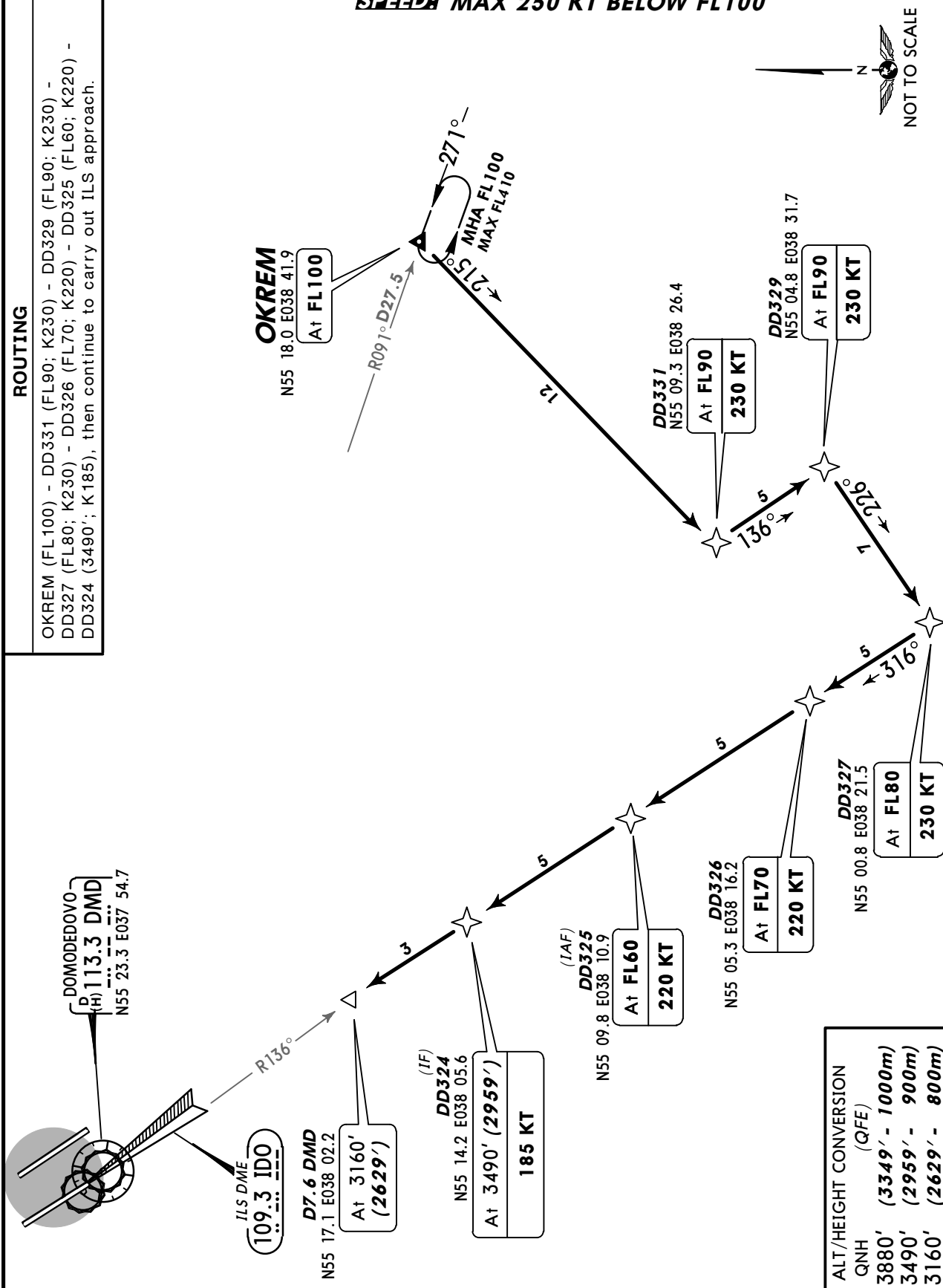
OKREM 4B [OKRE4B] RWY 32L RNAV APPROACH TRANSITION

BY ATC
RNAV (GNSS)

SPEED: MAX 250 KT BELOW FL100

ROUTING

OKREM (FL100) - DD331 (FL90; K230) - DD329 (FL90; K230) - DD327 (FL80; K230) - DD326 (FL70; K220) - DD325 (FL60; K220) - DD324 (3490'; K185), then continue to carry out ILS approach.



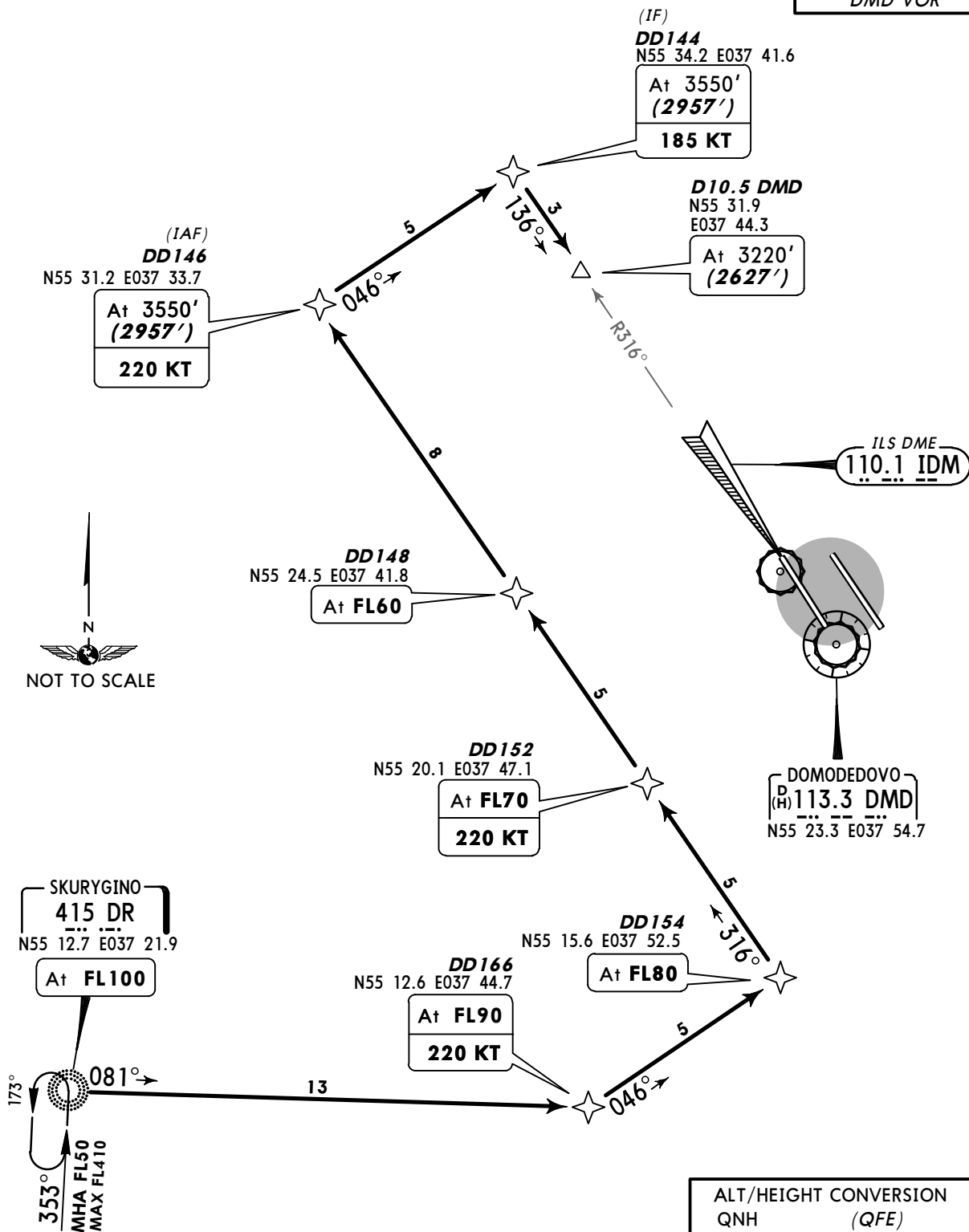
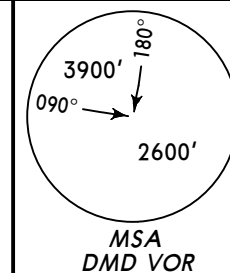
ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3349' - 1000m)
3490'	(2959' - 900m)
3160'	(2629' - 800m)

ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.

SKURYGINO 1A (DR 1A)
RWY 14R
RNAV APPROACH TRANSITION
RNAV (GNSS)
SPEED MAX 250 KT BELOW FL100



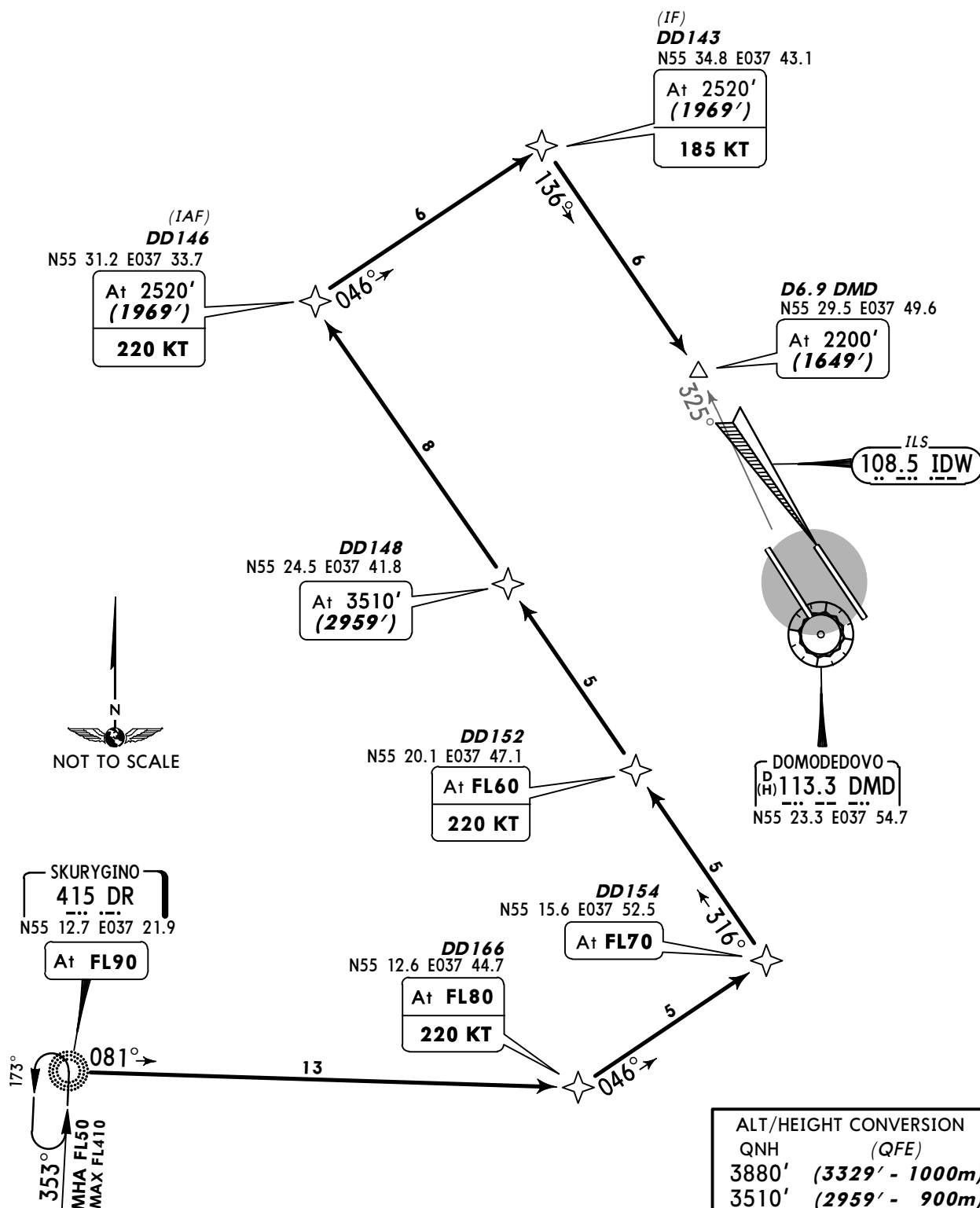
ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3287' - 1000m)
3550'	(2957' - 900m)
3220'	(2627' - 800m)

ROUTING

DR (FL100) - DD166 (FL90; K220) - DD154 (FL80) - DD152 (FL70; K220) - DD148 (FL60) - DD146 (3550'; K220) - DD144 (3550'; K185), then continue to carry out ILS approach.

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: By ATC Trans alt: 3880' **(3329')**
Execute noise abatement procedures according to ICAO DOC 8168.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3329' - 1000m)
3510'	(2959' - 900m)
2520'	(1969' - 600m)
2200'	(1649' - 500m)

DR (FL90) - DD166 (FL80; K220) - DD154 (FL70) - DD152 (FL60; K220) - DD148 (3510') - DD146 (2520'; K220) - DD143 (2520'; K185), then continue to carry out ILS approach.

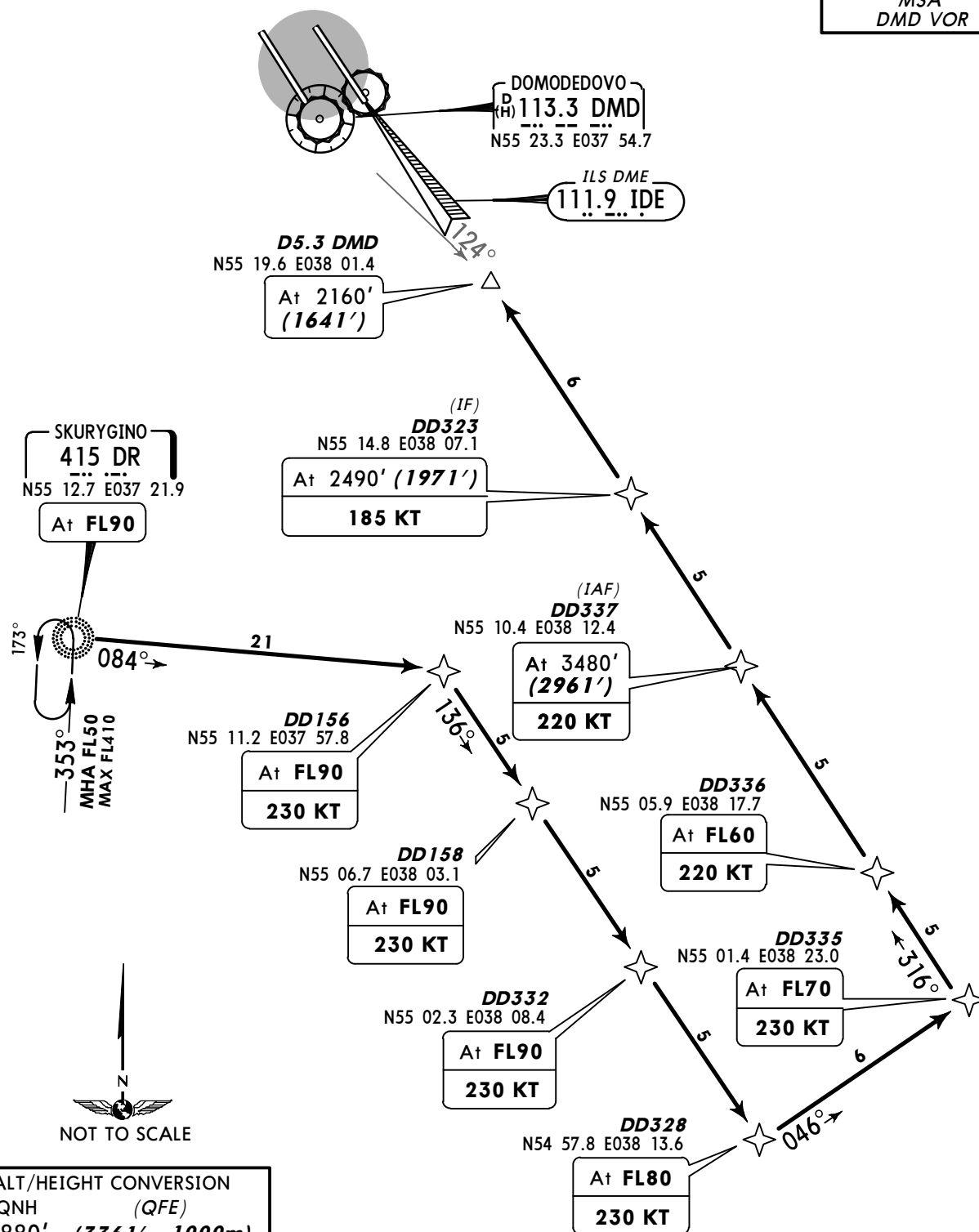
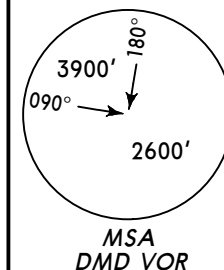
ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3361')
Execute noise abatement procedures according to ICAO DOC 8168.

SKURYGINO 3B (DR 3B)
RWY 32R RNAV APPROACH TRANSITION
RNAV (GNSS)

~~SPEED~~ MAX 250 KT BELOW FL100



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3361' - 1000m)
3480'	(2961' - 900m)
2490'	(1971' - 600m)
2160'	(1641' - 500m)

ROUTING

DR (FL90) - DD156 (FL90; K230) - DD158 (FL90; K230) - DD332 (FL90; K230) - DD328 (FL80; K230) - DD335 (FL70; K230) - DD336 (FL60; K220) - DD337 (3480'; K220) - DD323 (2490'; K185), then continue to carry out ILS approach.

ATIS
128.3
(Russian 122.95)

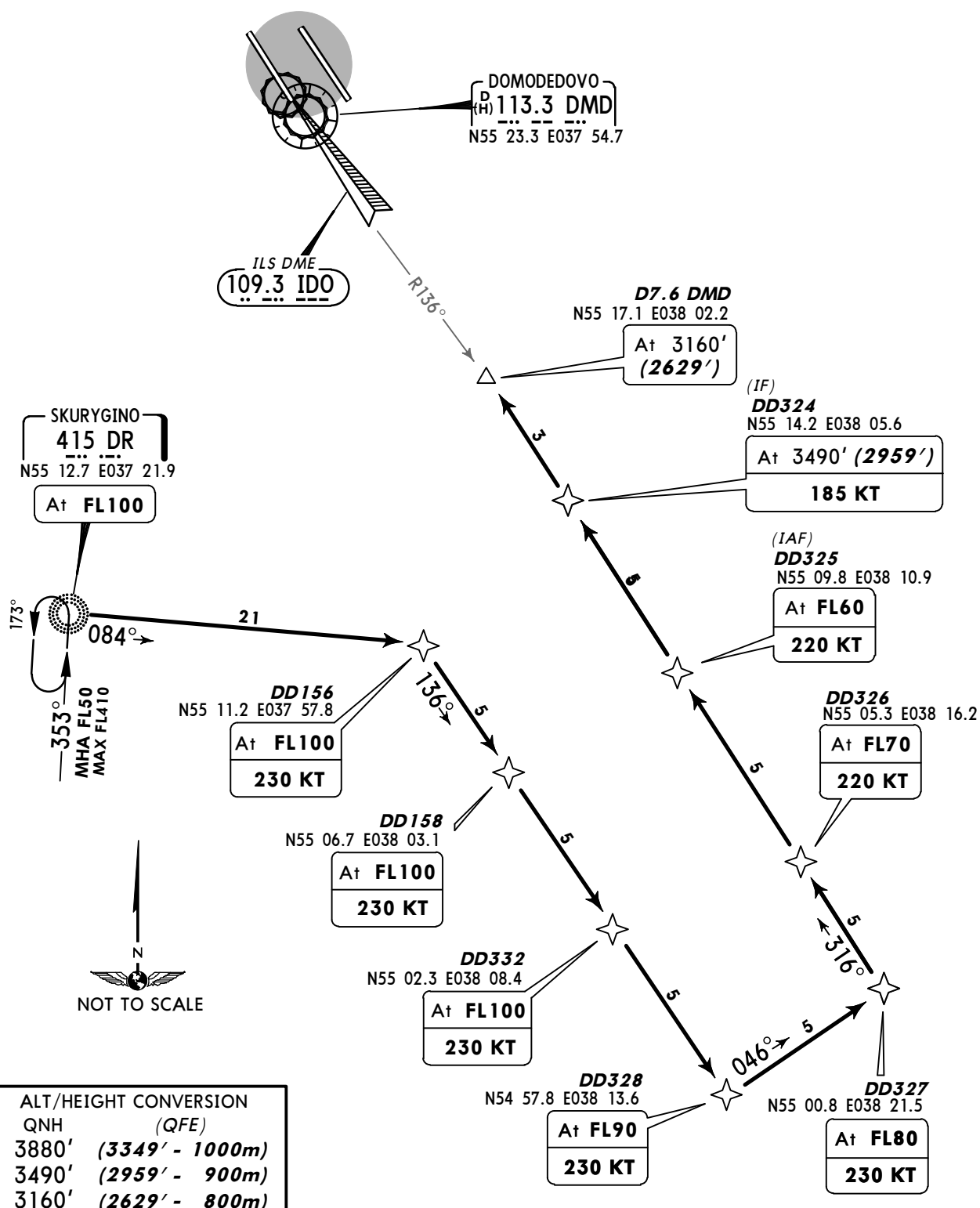
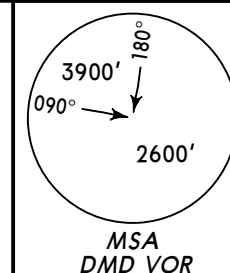
Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3349')
Execute noise abatement procedures according to ICAO DOC 8168.

SKURYGINO 4B (DR 4B)
RWY 32L RNAV APPROACH TRANSITION

RNAV (GNSS)

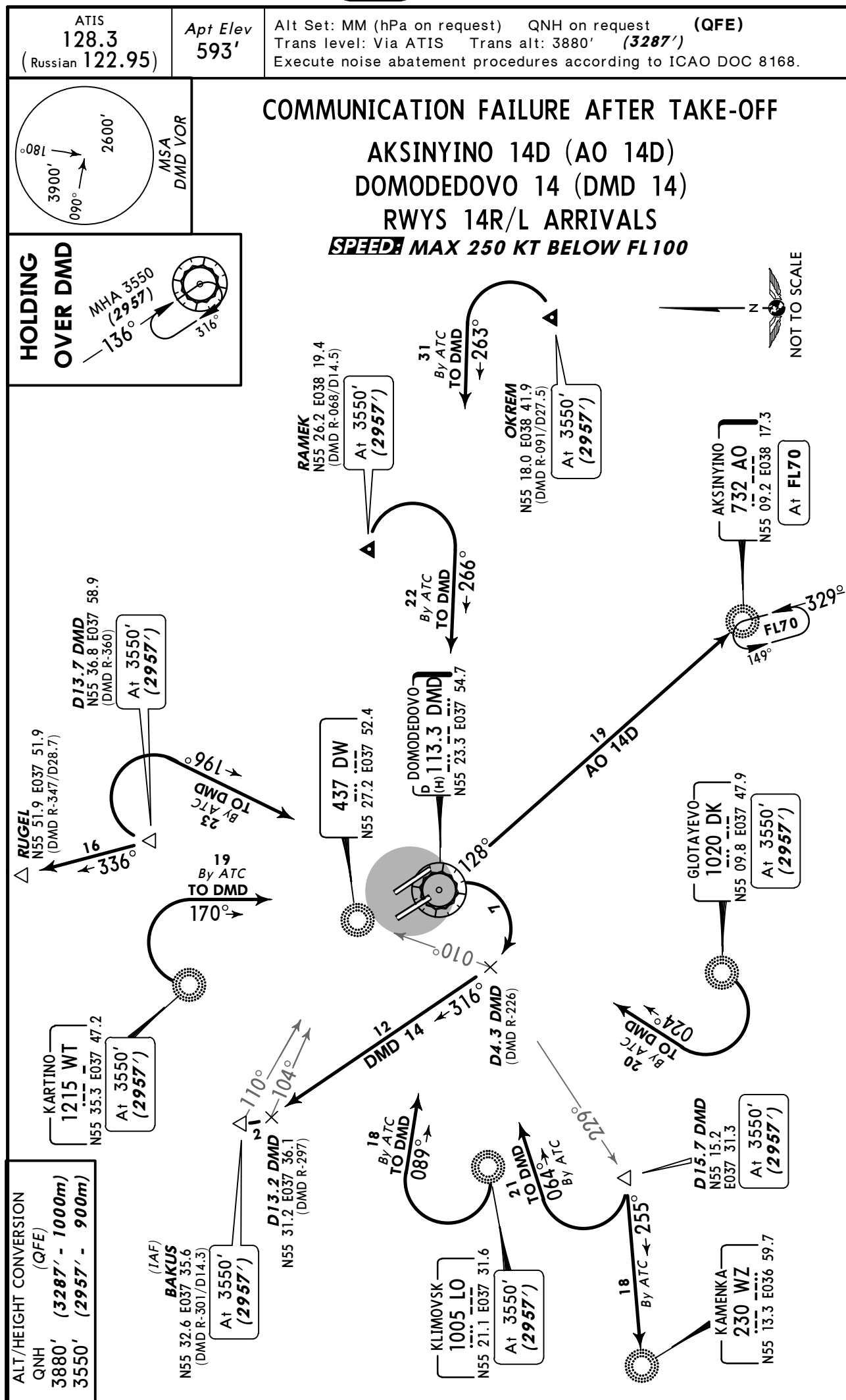
SPEED MAX 250 KT BELOW FL100



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3349' - 1000m)
3490'	(2959' - 900m)
3160'	(2629' - 800m)

ROUTING

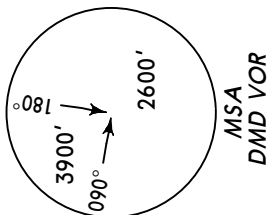
DR (FL100) - DD156 (FL100; K230) - DD158 (FL100; K230) - DD332 (FL100; K230) - DD328 (FL90; K230) - DD327 (FL80; K230) - DD326 (FL70; K220) - DD325 (FL60; K220) - DD324 (3490'; K185), then continue to carry out ILS approach.



ATIS
128.3
(Russian 122.95)

Apt Elev
593'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: Via ATIS Trans alt: 3880' (3287')
Execute noise abatement procedures according to ICAO DOC 8168.



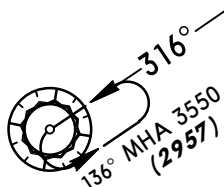
COMMUNICATION FAILURE AFTER TAKE-OFF

AKSINYINO 32D (AO 32D)
DOMODEDOVO 32 (DMD 32)

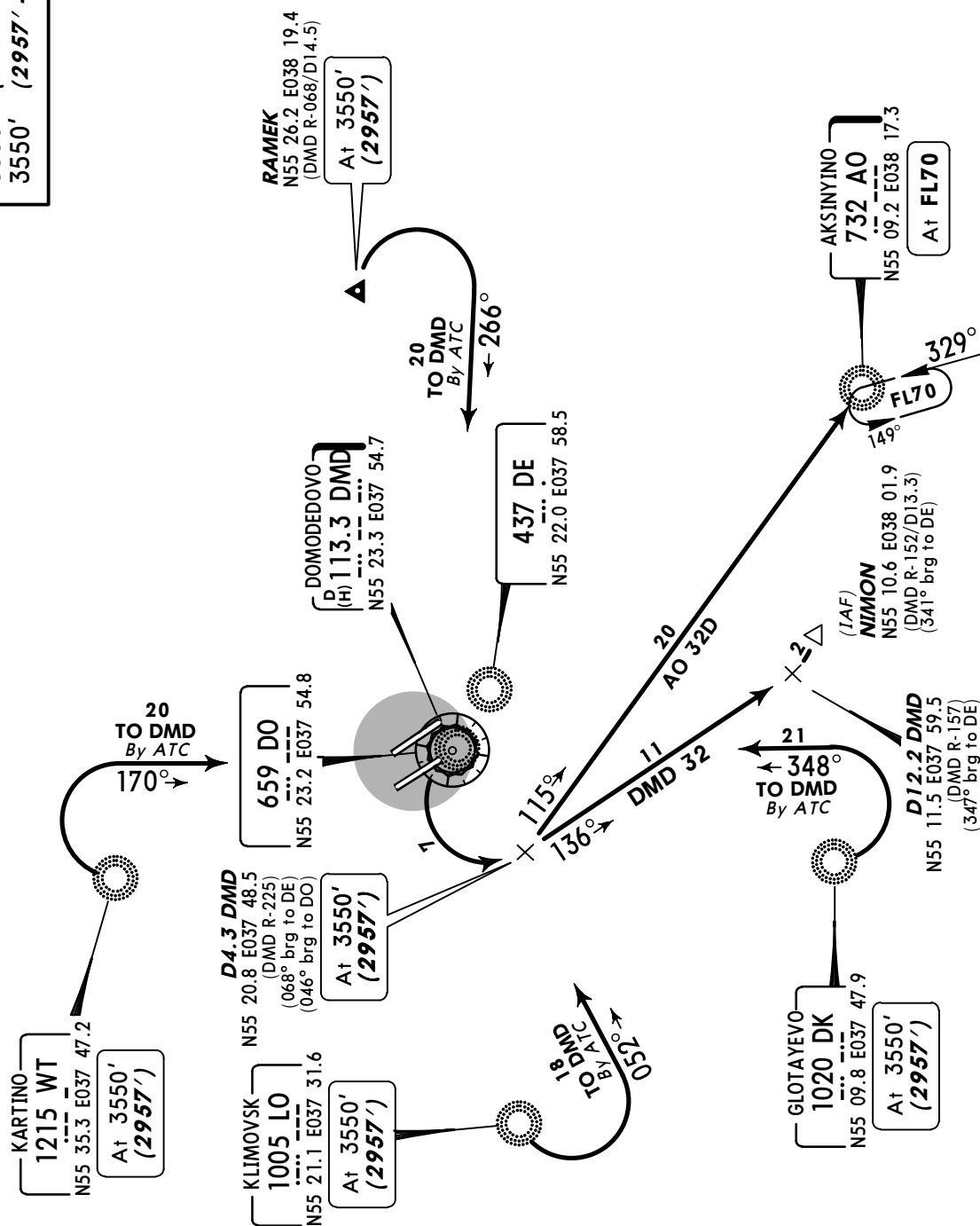
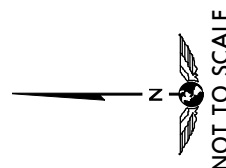
RWYS 32L/R ARRIVALS

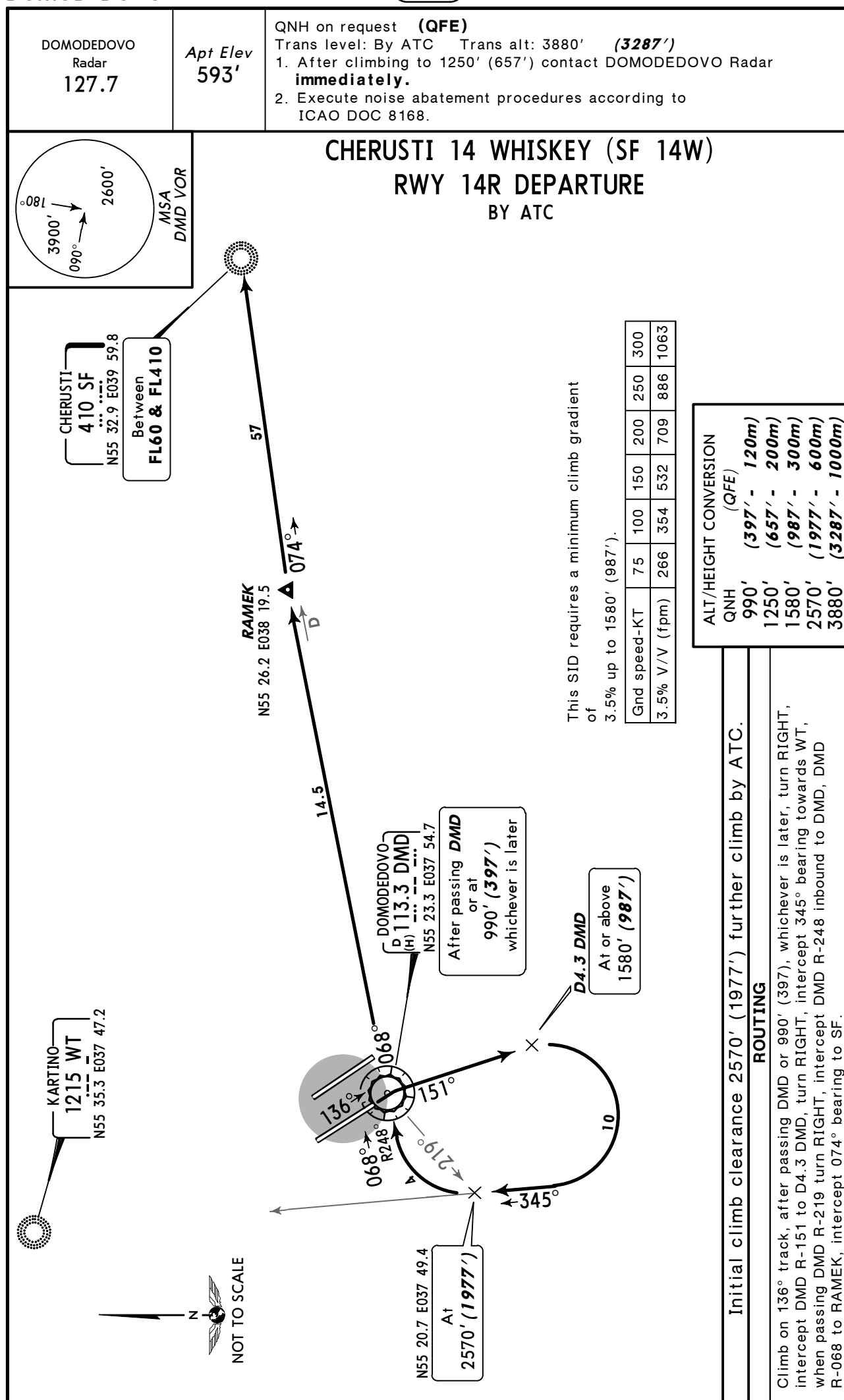
SPEED MAX 250 KT BELOW FL100

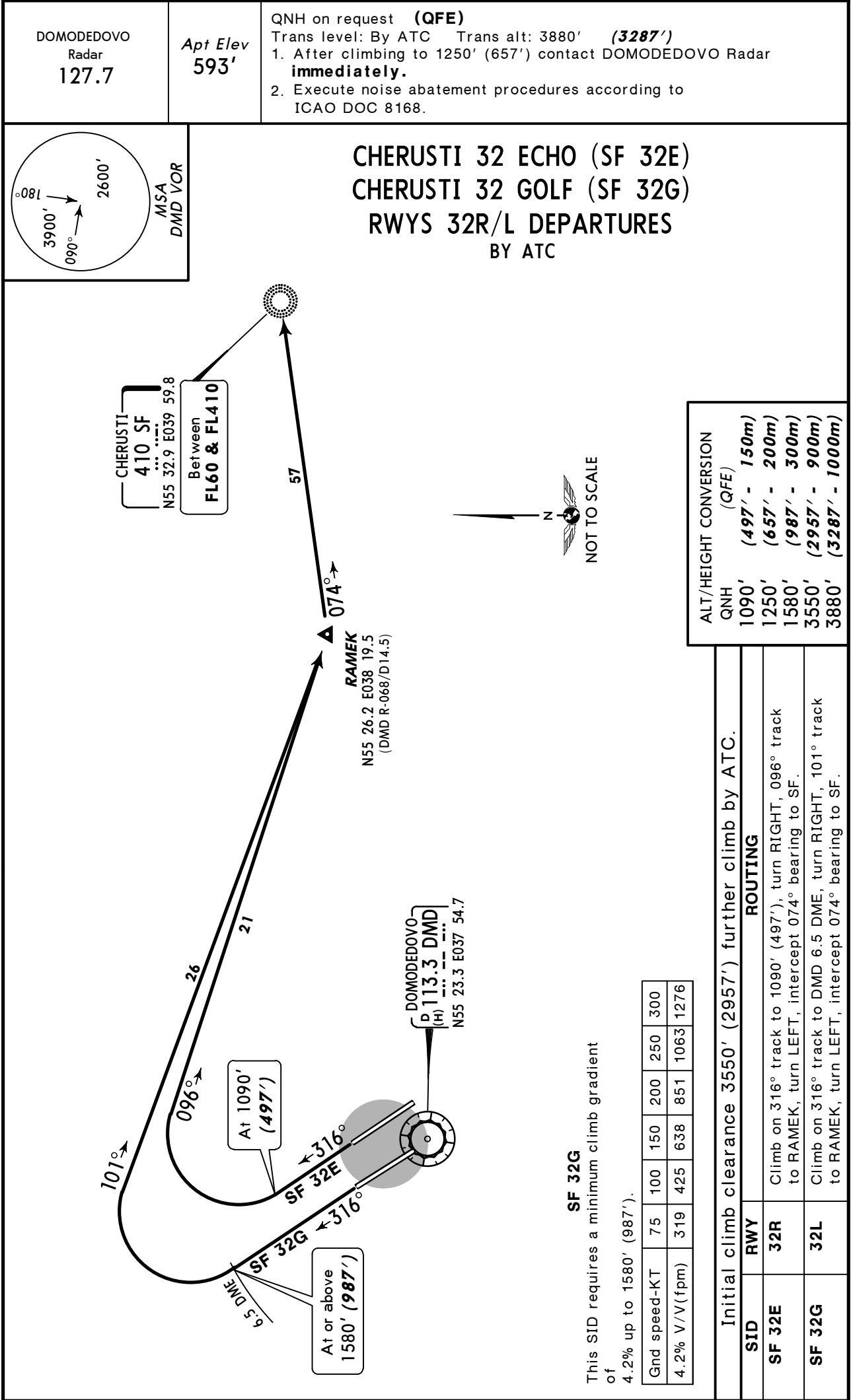
**HOLDING
OVER DMD**



ALT/HEIGHT CONVERSION
(QFE)
QNH 3880' (3287' - 1000m)
3550' (2957' - 900m)







DOMODEDOVO
Radar
127.7

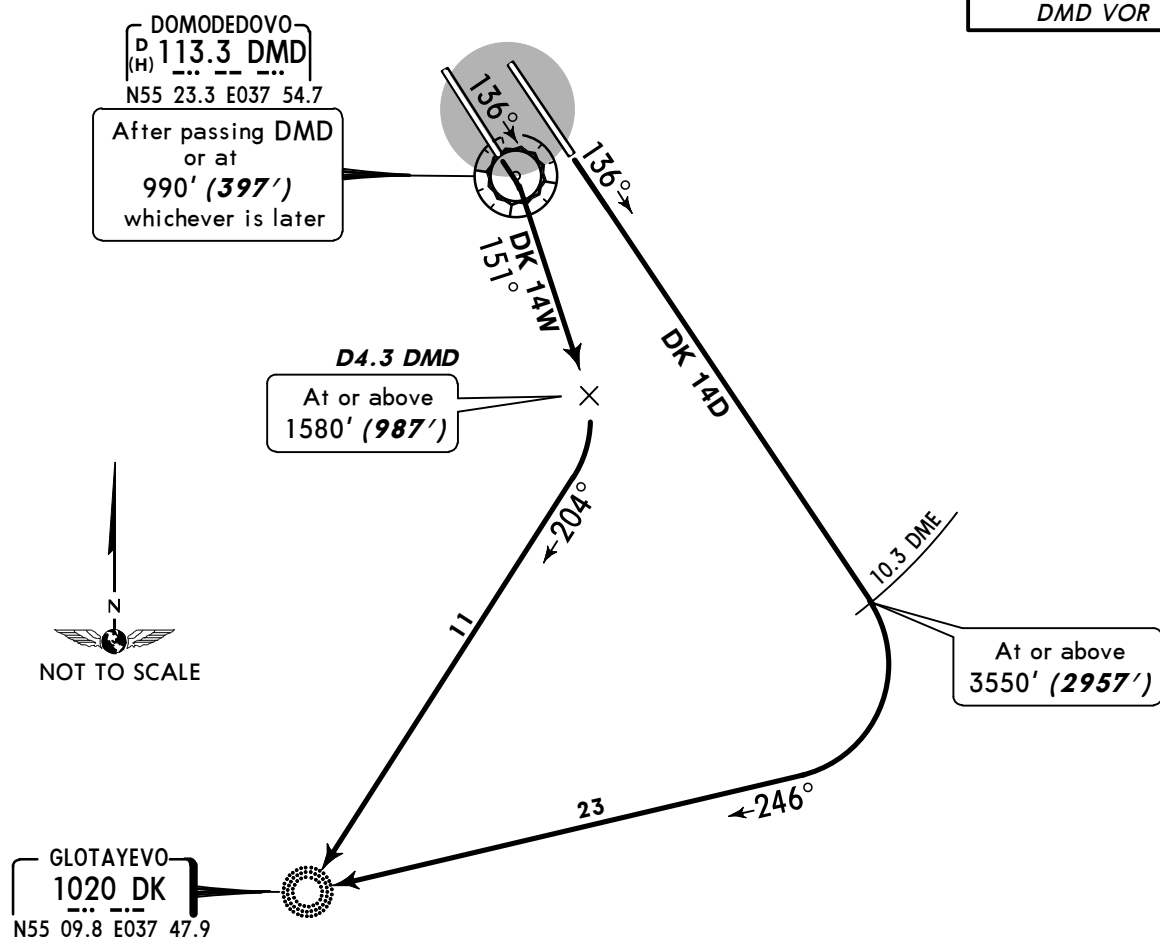
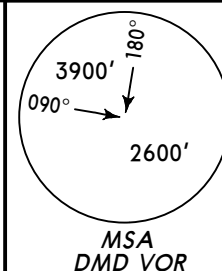
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

**GLOTAYEVO 14 DELTA (DK 14D)
GLOTAYEVO 14 WHISKEY (DK 14W)
RWYS 14L/R DEPARTURES**



These SIDs require minimum climb gradients of

DK 14D: 4.0% up to 3550' (2957').

DK 14W: 3.5% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V(fpm)	304	405	608	810	1013	1215
3.5% V/V(fpm)	266	354	532	709	886	1063

ALT/HEIGHT CONVERSION

QNH	(QFE)
990'	(397' - 120m)
1250'	(657' - 200m)
1580'	(987' - 300m)
2570'	(1977' - 600m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

DK 14D: Initial climb clearance 3550' (2957') further climb by ATC.

DK 14W: Initial climb clearance 2570' (1977') further climb by ATC.

SID	RWY	ROUTING
DK 14D	14L	Climb on 136° track to DMD 10.3 DME, turn RIGHT, intercept 246° bearing to DK.
DK 14W	14R	Climb on 136° track, after passing DMD or 990' (397'), whichever is later, turn RIGHT, intercept DMD R-151 to D4.3 DMD, turn RIGHT, intercept 204° bearing to DK.

DOMODEDOVO
Radar
127.7

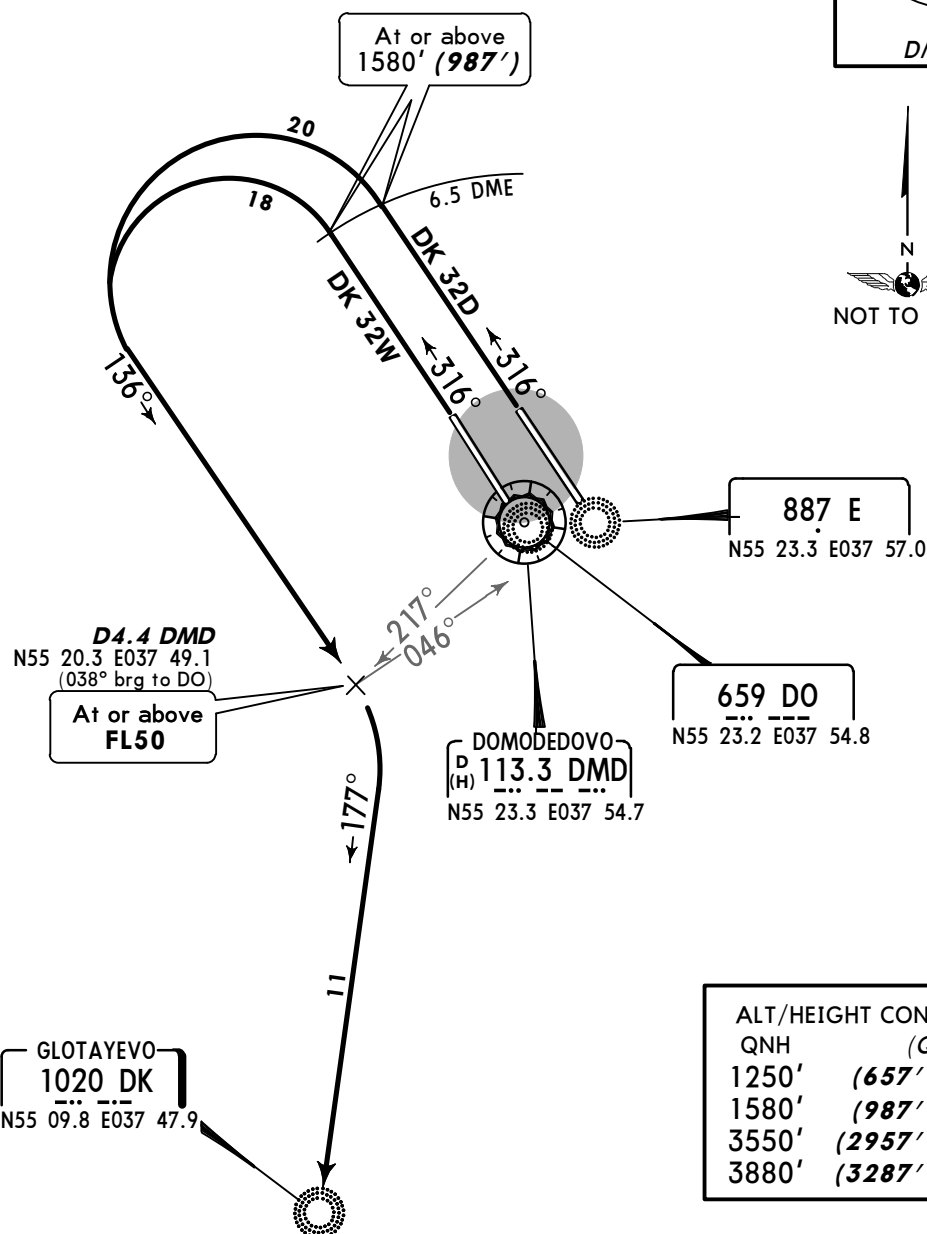
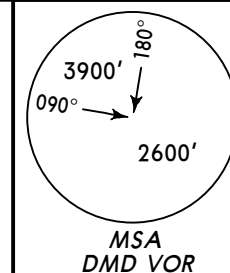
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

GLOTAYEVO 32 DELTA (DK 32D)
GLOTAYEVO 32 WHISKEY (DK 32W)
RWYS 32R/L DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1250'	(657' - 200m)
1580'	(987' - 300m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

These SIDs require minimum climb gradients of

DK 32D: 4.0% up to FL50.

DK 32W: 4.2% up to FL50.

Gnd speed-KT	75	100	150	200	250	300
4.2% V/V (fpm)	319	425	638	851	1063	1276
4.0% V/V (fpm)	304	405	608	810	1013	1215

Initial climb clearance 3550' (2957') further climb by ATC.

SID	RWY	ROUTING
DK 32D	32R	Climb on 316° track to DMD 6.5 DME, turn LEFT, 136° track to
DK 32W	32L	D4.4 DMD, turn RIGHT, intercept 177° bearing to DK.

DOMODEDOVO
Radar
127.7

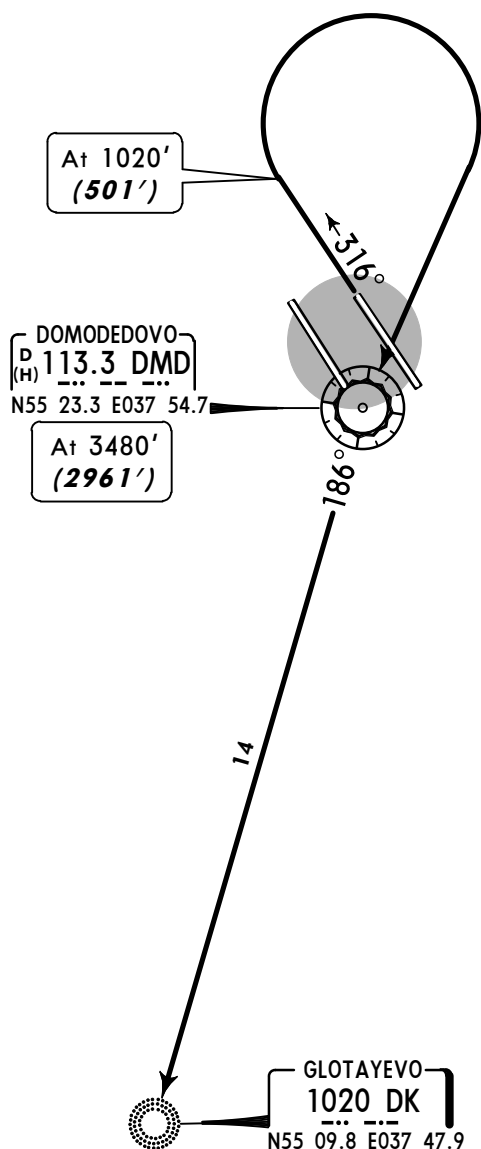
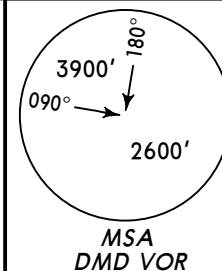
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3361')

1. After climbing to 1180' (661') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

GLOTAYEVO 32 ECHO (DK 32E) RWY 32R DEPARTURE



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1020'	(501' - 150m)
1180'	(661' - 200m)
3480'	(2961' - 900m)
3880'	(3361' - 1000m)

Initial climb clearance 3480' (2961') further climb by ATC.

ROUTING

Climb on 316° track to 1020' (501'), turn RIGHT to DMD, turn LEFT, DMD R-186 to DK.

DOMODEDOVO
Radar
127.7

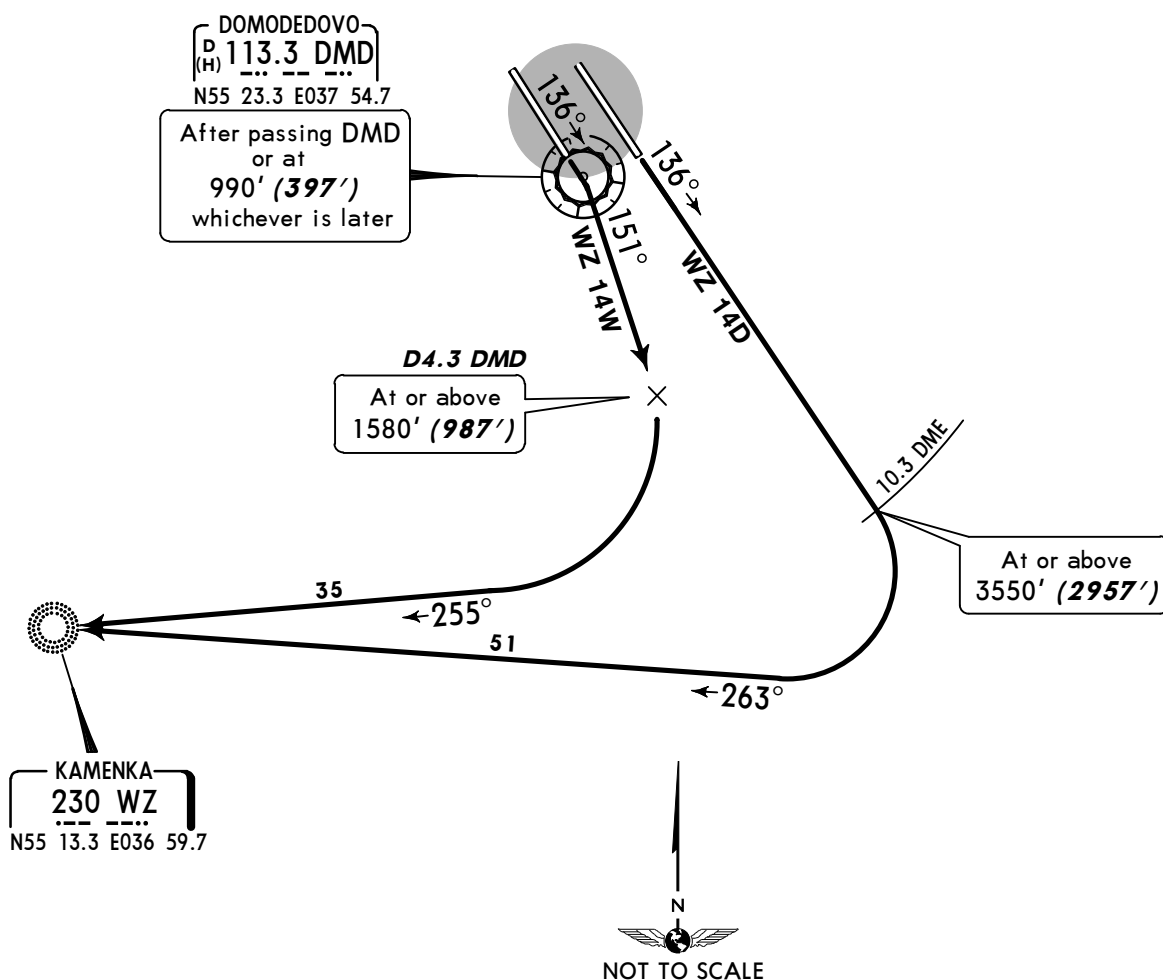
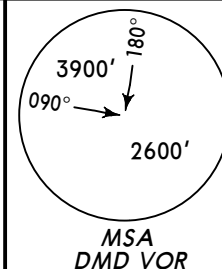
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar immediately.
2. Execute noise abatement procedures according to ICAO DOC 8168.

KAMENKA 14 DELTA (WZ 14D)
KAMENKA 14 WHISKEY (WZ 14W)
RWYS 14L/R DEPARTURES



These SIDs require minimum climb gradients of

WZ 14D: 4.0% up to 3550' (2957').

WZ 14W: 3.5% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V(fpm)	304	405	608	810	1013	1215
3.5% V/V(fpm)	266	354	532	709	886	1063

ALT/HEIGHT CONVERSION

QNH	(QFE)
990'	(397' - 120m)
1250'	(657' - 200m)
1580'	(987' - 300m)
2570'	(1977' - 600m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

WZ 14D: Initial climb clearance 3550' (2957') further climb by ATC.

WZ 14W: Initial climb clearance 2570' (1977') further climb by ATC.

SID	RWY	ROUTING
WZ 14D	14L	Climb on 136° track to DMD 10.3 DME, turn RIGHT, intercept 263° bearing to WZ.
WZ 14W	14R	Climb on 136° track, after passing DMD or 990' (397'), whichever is later, turn RIGHT, intercept DMD R-151 to D4.3 DMD, turn RIGHT, intercept 255° bearing to WZ.

DOMODEDOVO
Radar
127.7

Apt Elev
593'

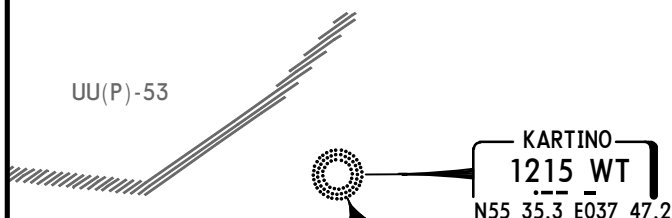
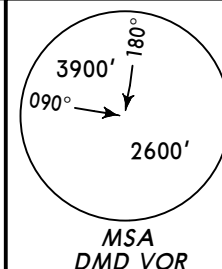
QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3329')

1. After climbing to 1210' (659') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

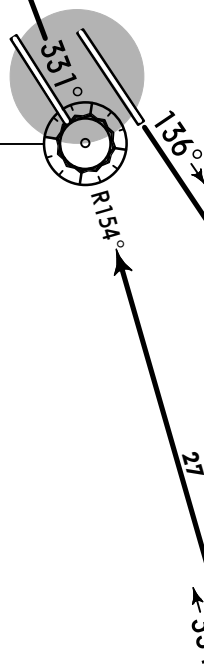
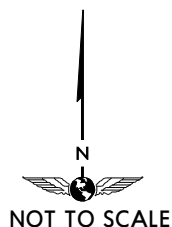
KARTINO 14 DELTA (WT 14D) RWY 14L DEPARTURE

FLIGHTS IN UU(P)-53 ARE PROHIBITED AT ALL ALTITUDES H24



QNH	(QFE)
1210'	(659' - 200m)
3510'	(2959' - 900m)
3880'	(3329' - 1000m)

DOMODEDOVO
D(H) 113.3 DMD
N55 23.3 E037 54.7



At or above
3510' (2959')

This SID requires a minimum climb gradient
of
4.0% up to 3510' (2959').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V(fpm)	304	405	608	810	1013	1215

Initial climb clearance 3510' (2959') further climb by ATC.

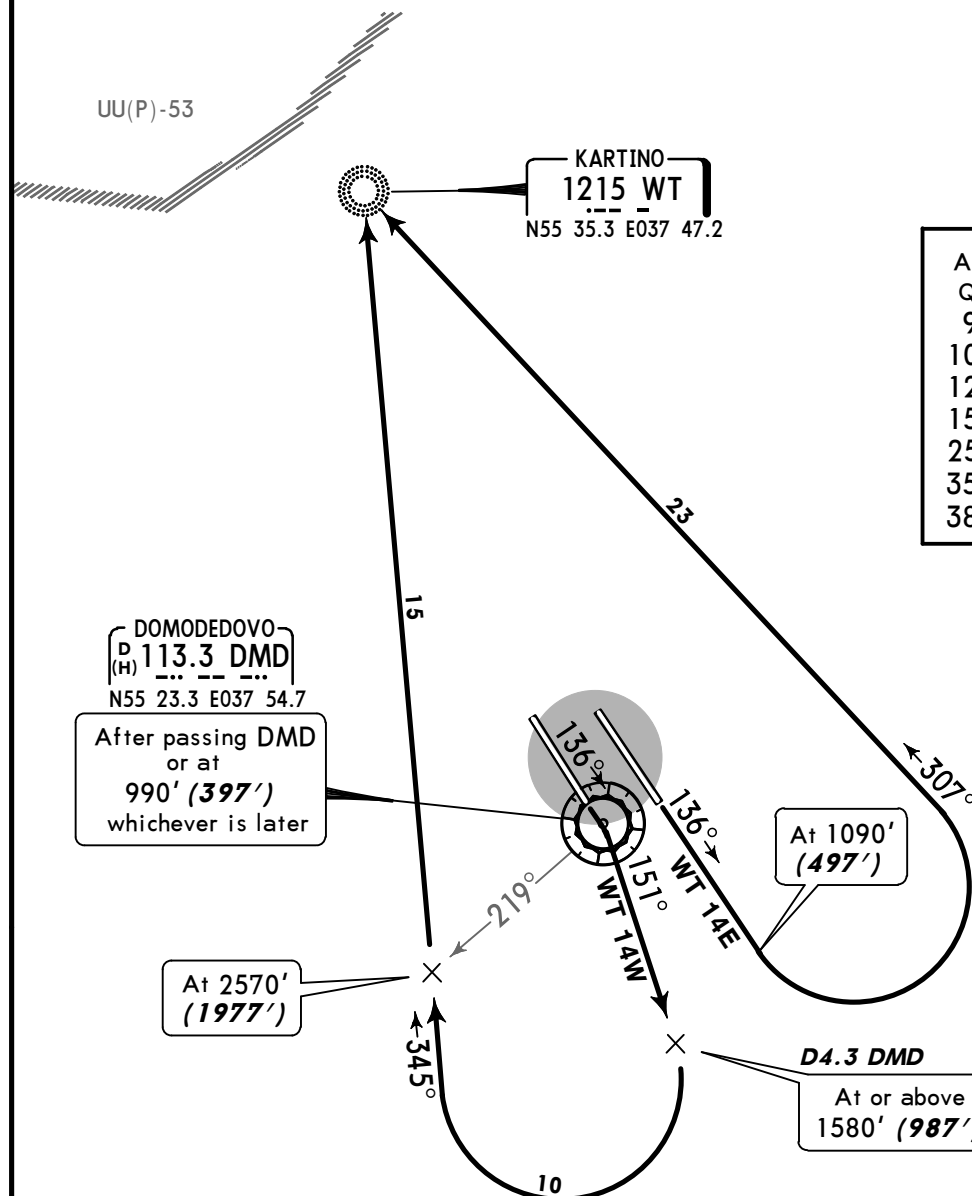
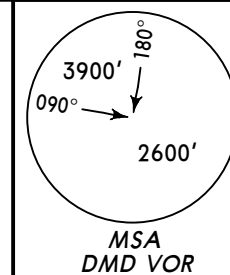
ROUTING

Climb on 136° track to DMD 10.3 DME, turn RIGHT, intercept DMD R-154 inbound to DMD, turn LEFT, DMD R-331 to WT.

DOMODEDOVO Radar 127.7	Apt Elev 593'	QNH on request (QFE) Trans level: By ATC Trans alt: 3880' (3287') 1. After climbing to 1250' (657') contact DOMODEDOVO Radar immediately. 2. Execute noise abatement procedures according to ICAO DOC 8168.
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KARTINO 14 ECHO (WT 14E)
KARTINO 14 WHISKEY (WT 14W)
RWYS 14L/R DEPARTURES

FLIGHTS IN UU(P)-53 ARE PROHIBITED AT ALL ALTITUDES H24



QNH	(QFE)
990'	(397' - 120m)
1090'	(497' - 150m)
1250'	(657' - 200m)
1580'	(987' - 300m)
2570'	(1977' - 600m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

These SIDs require minimum climb gradients of

WT 14E: 4.0% up to 3550' (2957').

WT 14W: 3.5% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V(fpm)	304	405	608	810	1013	1215
3.5% V/V(fpm)	266	354	532	709	886	1063

WT 14E: Initial climb clearance 3550' (2957') further climb by ATC.

WT 14W: Initial climb clearance 2570' (1977') further climb by ATC.

SID	RWY	ROUTING
WT 14E	14L	Climb on 136° track to 1090' (497'), turn LEFT, intercept 307° bearing to WT.
WT 14W	14R	Climb on 136° track, after passing DMD or 990' (397'), whichever is later, turn RIGHT, intercept DMD R-151 to D4.3 DMD, turn RIGHT, intercept 345° bearing to WT.



DOMODEDOVO
Radar
127.7

Apt Elev
593'

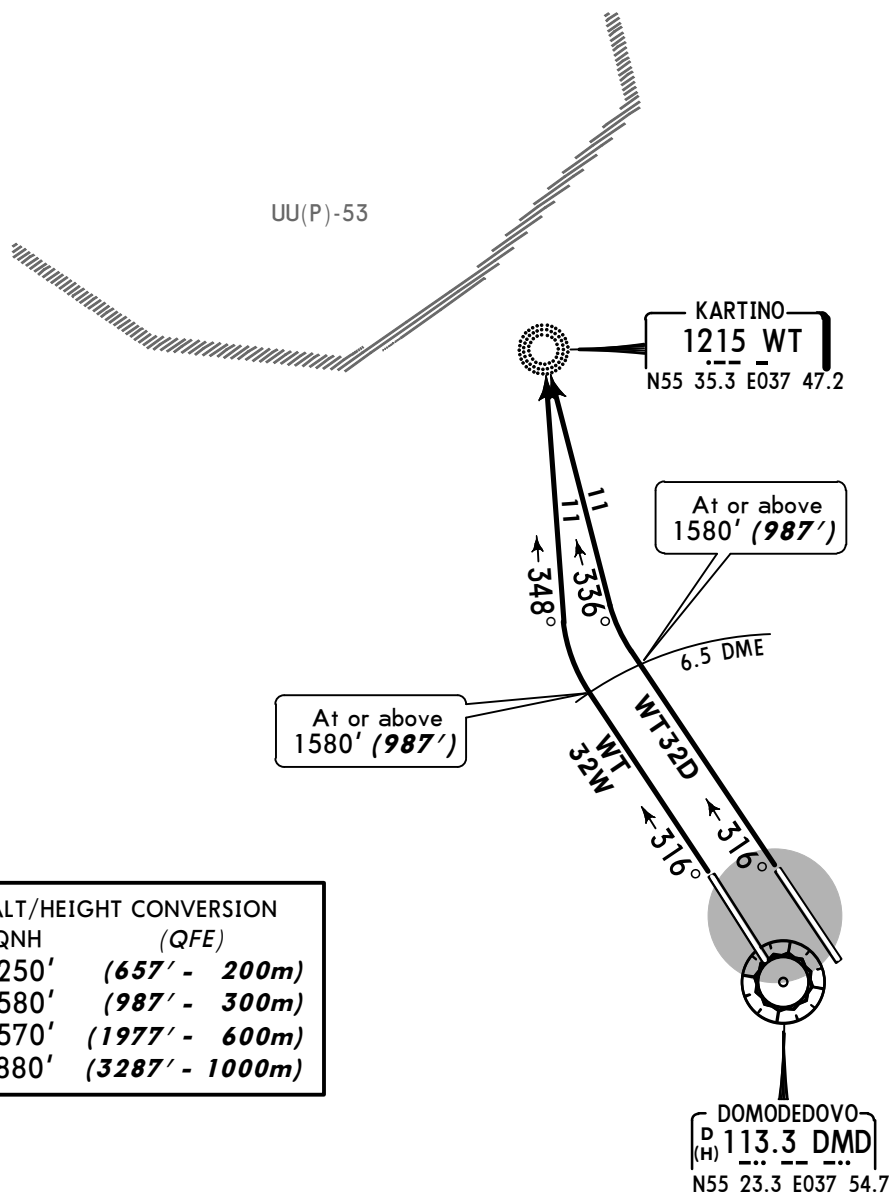
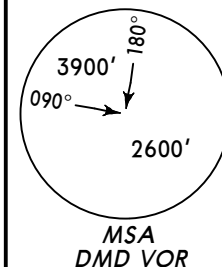
QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar immediately.
2. Execute noise abatement procedures according to ICAO DOC 8168.

KARTINO 32 DELTA (WT 32D)
KARTINO 32 WHISKEY (WT 32W)
RWYS 32R/L DEPARTURES

FLIGHTS IN UU(P)-53 ARE PROHIBITED AT ALL ALTITUDES H24



ALT/HEIGHT CONVERSION

QNH	(QFE)
1250'	(657' - 200m)
1580'	(987' - 300m)
2570'	(1977' - 600m)
3880'	(3287' - 1000m)

These SIDs require minimum climb gradients of

WT 32D: 4.0% up to 1580' (987').

WT 32W: 4.2% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.2% V/V(fpm)	319	425	638	851	1063	1276
4.0% V/V(fpm)	304	405	608	810	1013	1215

Initial climb clearance 2570' (1977') further climb by ATC.

SID	RWY	ROUTING
WT 32D	32R	Climb on 316° track to DMD 6.5 DME, turn RIGHT, intercept 336° bearing to WT.
WT 32W	32L	Climb on 316° track to DMD 6.5 DME, turn RIGHT, intercept 348° bearing to WT.

DOMODEDOVO
Radar
127.7

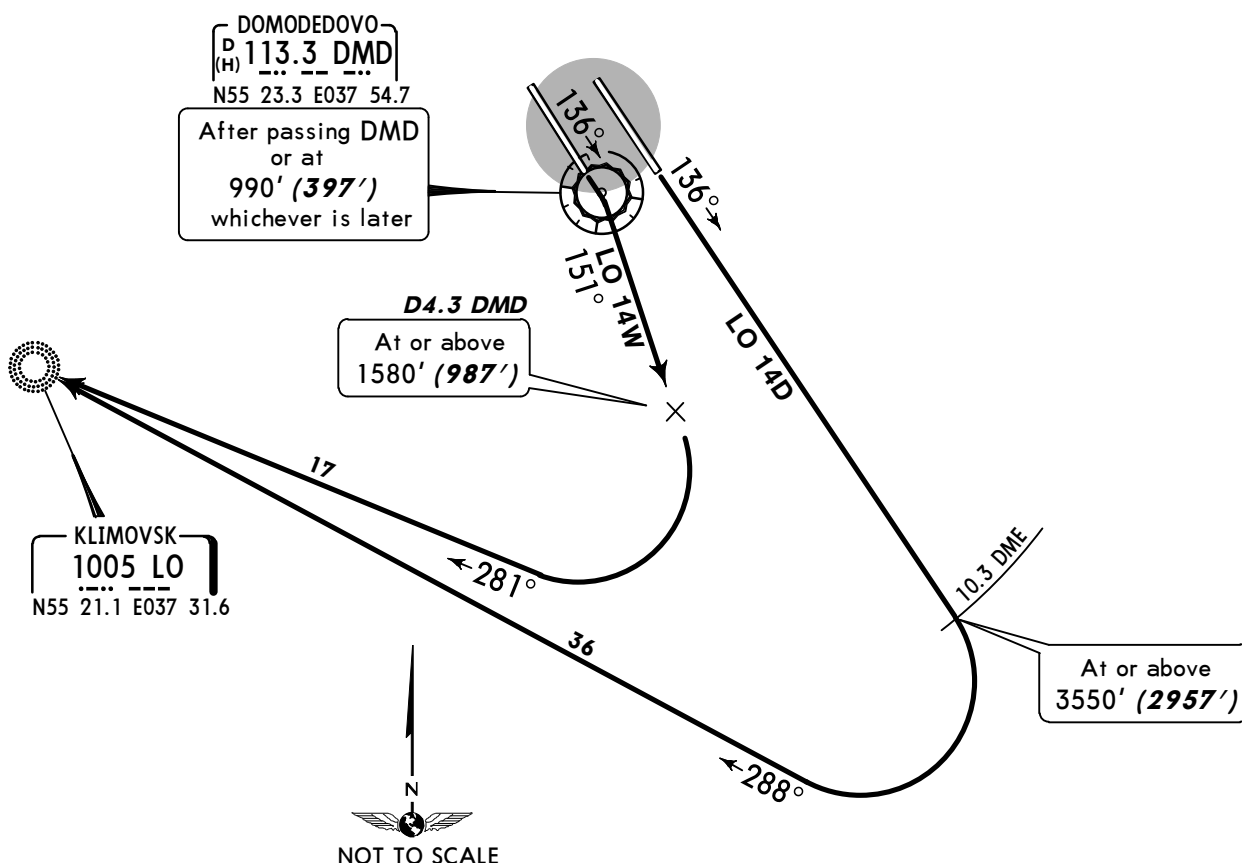
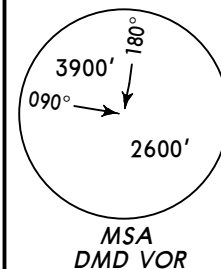
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

KLIMOVSK 14 DELTA (LO 14D)
KLIMOVSK 14 WHISKEY (LO 14W)
RWYS 14L/R DEPARTURES



These SIDs require minimum climb gradients of

LO 14D: 4.0% up to 3550' (2957').

LO 14W: 3.5% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V(fpm)	304	405	608	810	1013	1215
3.5% V/V(fpm)	266	354	532	709	886	1063

ALT/HEIGHT CONVERSION

QNH	(QFE)
990'	(397' - 120m)
1250'	(657' - 200m)
1580'	(987' - 300m)
2570'	(1977' - 600m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

LO 14D: Initial climb clearance 3550' (2957') further climb by ATC.

LO 14W: Initial climb clearance 2570' (1977') further climb by ATC.

SID	RWY	ROUTING
LO 14D	14L	Climb on 136° track to DMD 10.3 DME, turn RIGHT, intercept 288° bearing to LO.
LO 14W	14R	Climb on 136° track, after passing DMD or 990' (397'), whichever is later, turn RIGHT, intercept DMD R-151 to D4.3 DMD, turn RIGHT, intercept 281° bearing to LO.

DOMODEDOVO
Radar
127.7

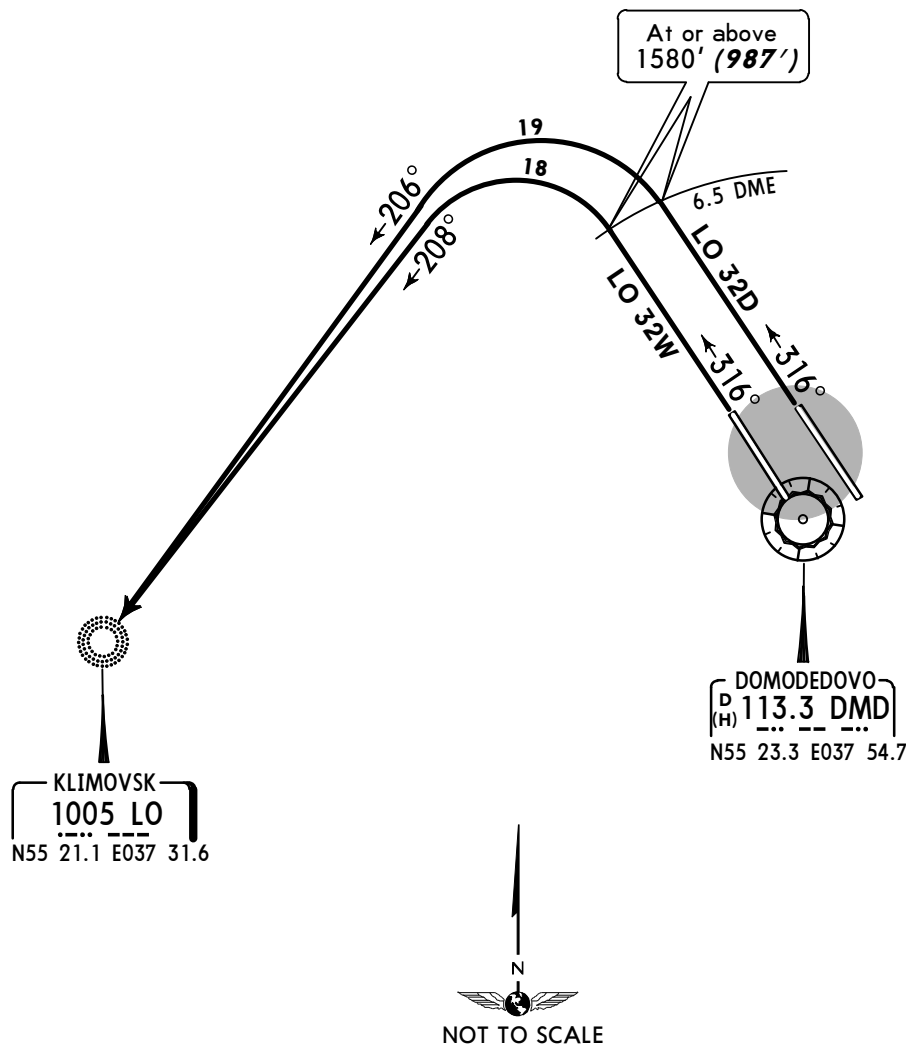
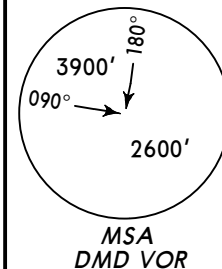
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

KLIMOVSK 32 DELTA (LO 32D)
KLIMOVSK 32 WHISKEY (LO 32W)
RWYS 32R/L DEPARTURES



These SIDs require minimum climb gradients
of

LO 32D: 4.0% up to 1580' (987').

LO 32W: 4.2% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.2% V/V(fpm)	319	425	638	851	1063	1276
4.0% V/V(fpm)	304	405	608	810	1013	1215

ALT/HEIGHT CONVERSION

QNH	(QFE)
1250'	(657' - 200m)
1580'	(987' - 300m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

Initial climb clearance 3550' (2957') further climb by ATC.

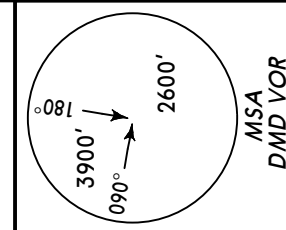
SID	RWY	ROUTING
LO 32D	32R	Climb on 316° track to DMD 6.5 DME, turn LEFT, intercept 206° bearing to LO.
LO 32W	32L	Climb on 316° track to DMD 6.5 DME, turn LEFT, intercept 208° bearing to LO.

DOMODEDOVO
Radar
127.7

Apt Elev
593'

QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')
1. After climbing to 1250' (657') contact DOMODEDOVO Radar immediately.
2. Execute noise abatement procedures according to ICAO DOC 8168.

OKREM 14 ECHO
(OKREM 14E) [OKR14E]
OKREM 14 GOLF
(OKREM 14G) [OKR14G]
OKREM 14 WHISKEY
(OKREM 14W) [OKR14W]
RWYS 14L/R DEPARTURES
BY ATC



These SIDs require minimum climb gradients

of
OKREM 14E: 4.0% up to 3550' (2957').
OKREM 14G, 14W: 3.5% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V (fpm)	304	405	608	810	1013	1215
3.5% V/V (fpm)	266	354	532	709	886	1063

DOMODEDOVO
D 113.3 DMD
(H) --- --- ---
N55 23.3 E037 54.7

After passing DMD
or at
990' (397')
whichever is later

KARTINO
1215 WT
N55 35.3 E037 47.2

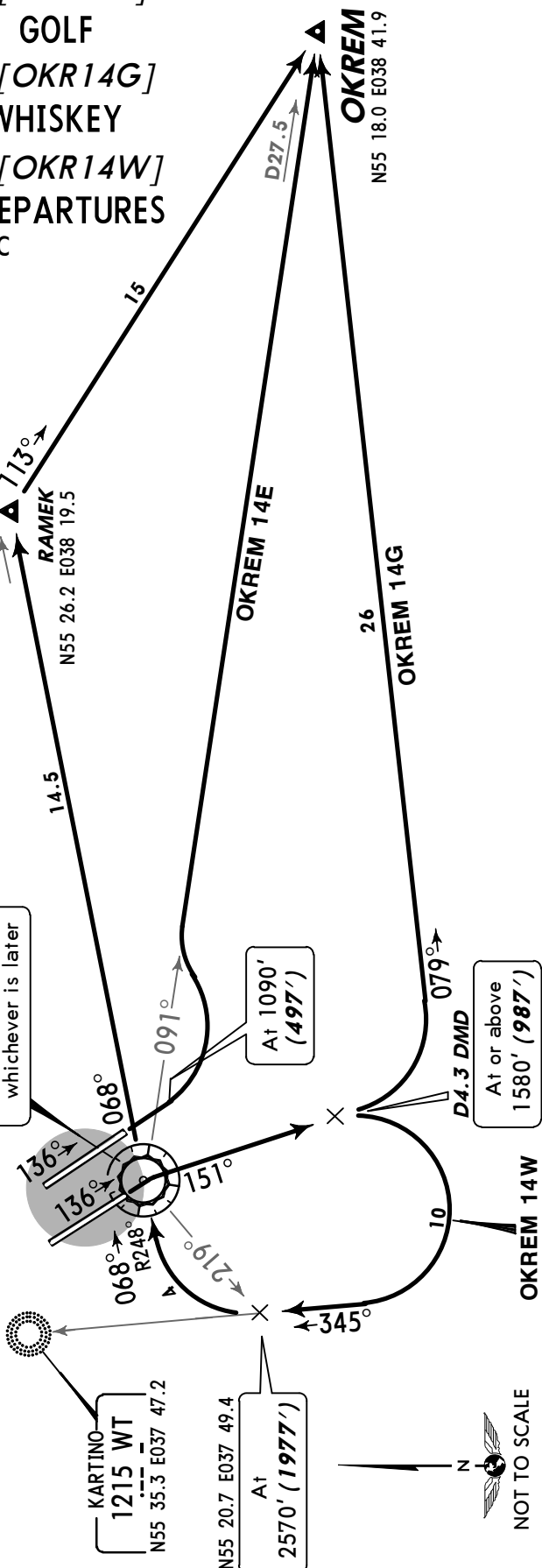
At
2570' (1977')

At or above
1580' (987')

OKREM 14E: Initial climb clearance 3550' (2957') further climb by ATC.
OKREM 14G, 14W: Initial climb clearance 2570' (1977') further climb by ATC.

ROUTING

SID	RWY	ROUTING
OKREM 14E	14L	Climb on 136° track to 1090' (497'), turn LEFT, intercept DMD R-091 to OKREM.
OKREM 14G	14R	Climb on 136° track, after passing DMD or 990' (397'), whichever is later turn RIGHT, intercept DMD R-151 to D4.3 DMD, turn LEFT, 079° track to OKREM
OKREM 14W		Climb on 136° track, after passing DMD or 990' (397'), whichever is later turn RIGHT, intercept DMD R-151 to D4.3 DMD, turn RIGHT, intercept 345° bearing towards WT, when passing DMD R-219 turn RIGHT, intercept DMD R-248 to DMD, DMD R-068 to RAMEK, turn RIGHT, 113° track to OKREM.



DOMODEDOVO
Radar
127.7

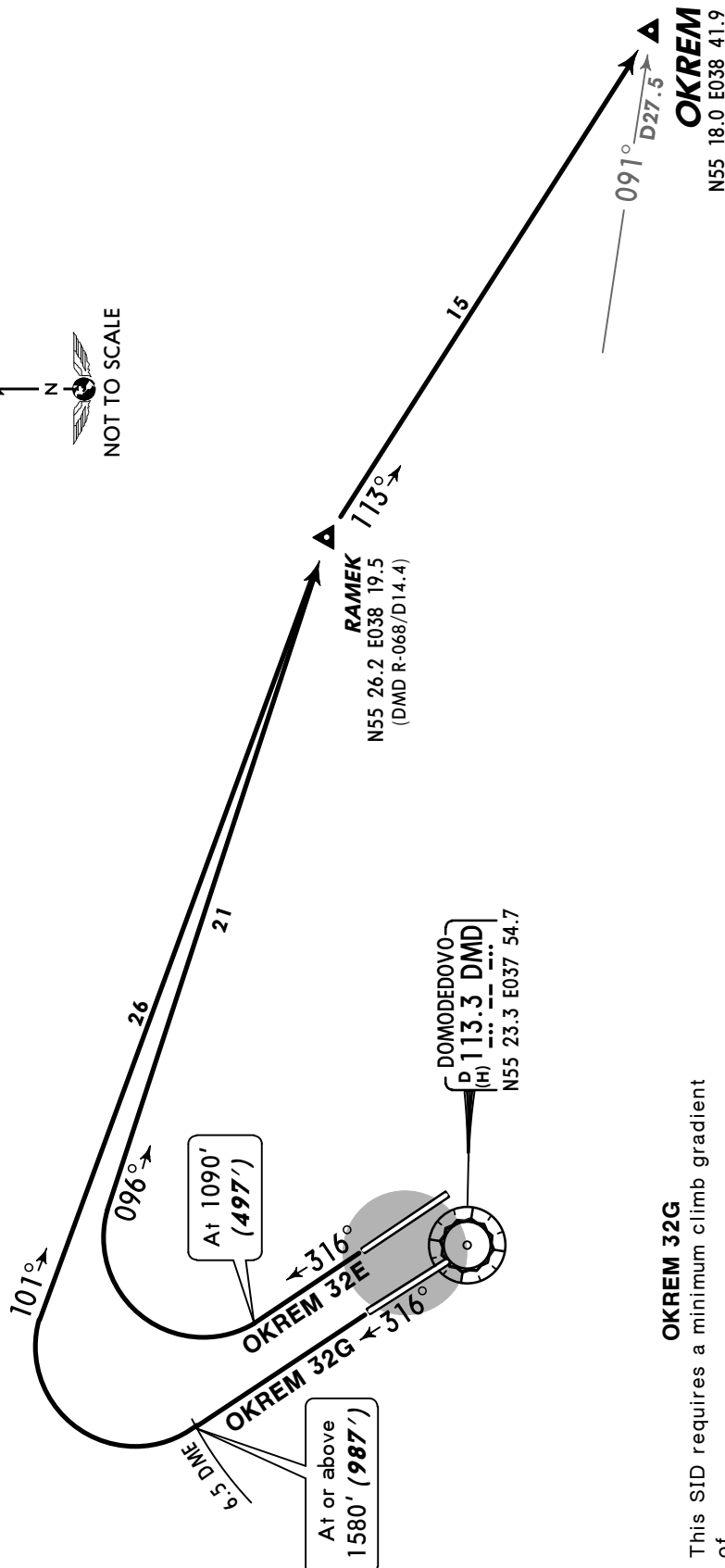
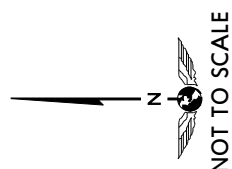
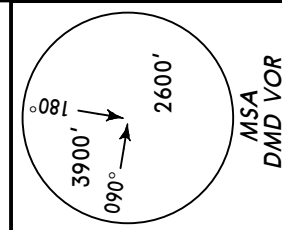
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (3287')

1. After climbing to 1250' (657') contact DOMODEDOVO Radar immediately.
2. Execute noise abatement procedures according to ICAO DOC 8168.

OKREM 32 ECHO (OKREM 32E) [OKR32E]
OKREM 32 GOLF (OKREM 32G) [OKR32G]
RWYS 32R/L DEPARTURES
BY ATC



OKREM 32G

This SID requires a minimum climb gradient of 4.2% up to 1580' (987').

Gnd speed-KT	75	100	150	200	250	300
4.2% V/V (fpm)	319	425	638	851	1063	1276

ALT/HEIGHT CONVERSION
QNH (QFE)

1090'	(497' - 150m)
1250'	(657' - 200m)
1580'	(987' - 300m)
3550'	(2957' - 900m)
3880'	(3287' - 1000m)

Initial climb clearance 3550' (2957') further climb by ATC.

ROUTING

SID	RWY	ROUTING
OKREM 32E	32R	Climb on 316° track to 1090' (497'), turn RIGHT, 096° track to RAMEK, turn RIGHT, 113° track to OKREM.
OKREM 32G	32L	Climb on 316° track to DMD 6.5 DME, turn RIGHT, 101° track to RAMEK, turn RIGHT, 113° track to OKREM.

DOMODEDOVO
Radar
127.7

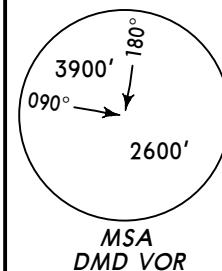
Apt Elev
593'

QNH on request (QFE)

Trans level: By ATC Trans alt: 3880' (**3329'**)

1. After climbing to 1210' (659') contact DOMODEDOVO Radar **immediately**.
2. Execute noise abatement procedures according to ICAO DOC 8168.

RUGEL 14 ECHO (RUGEL 14E) [RUG14E]
RWY 14L DEPARTURE
BY ATC



RUGEL

N55 51.9 E037 51.9



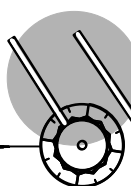
D28.7

347°

ALT/HEIGHT CONVERSION

QNH	(QFE)
1050'	(499' - 150m)
1210'	(659' - 200m)
3510'	(2959' - 900m)
3880'	(3329' - 1000m)

DOMODEDOVO
D 113.3 DMD
(H)
N55 23.3 E037 54.7



136°

At 1050'
(499')

35

336°



NOT TO SCALE

This SID requires a minimum climb gradient of 4.0% up to 3510' (2959').

Gnd speed-KT	75	100	150	200	250	300
4.0% V/V(fpm)	304	405	608	810	1013	1215

Initial climb clearance 3510' (2959') further climb by ATC.

ROUTING

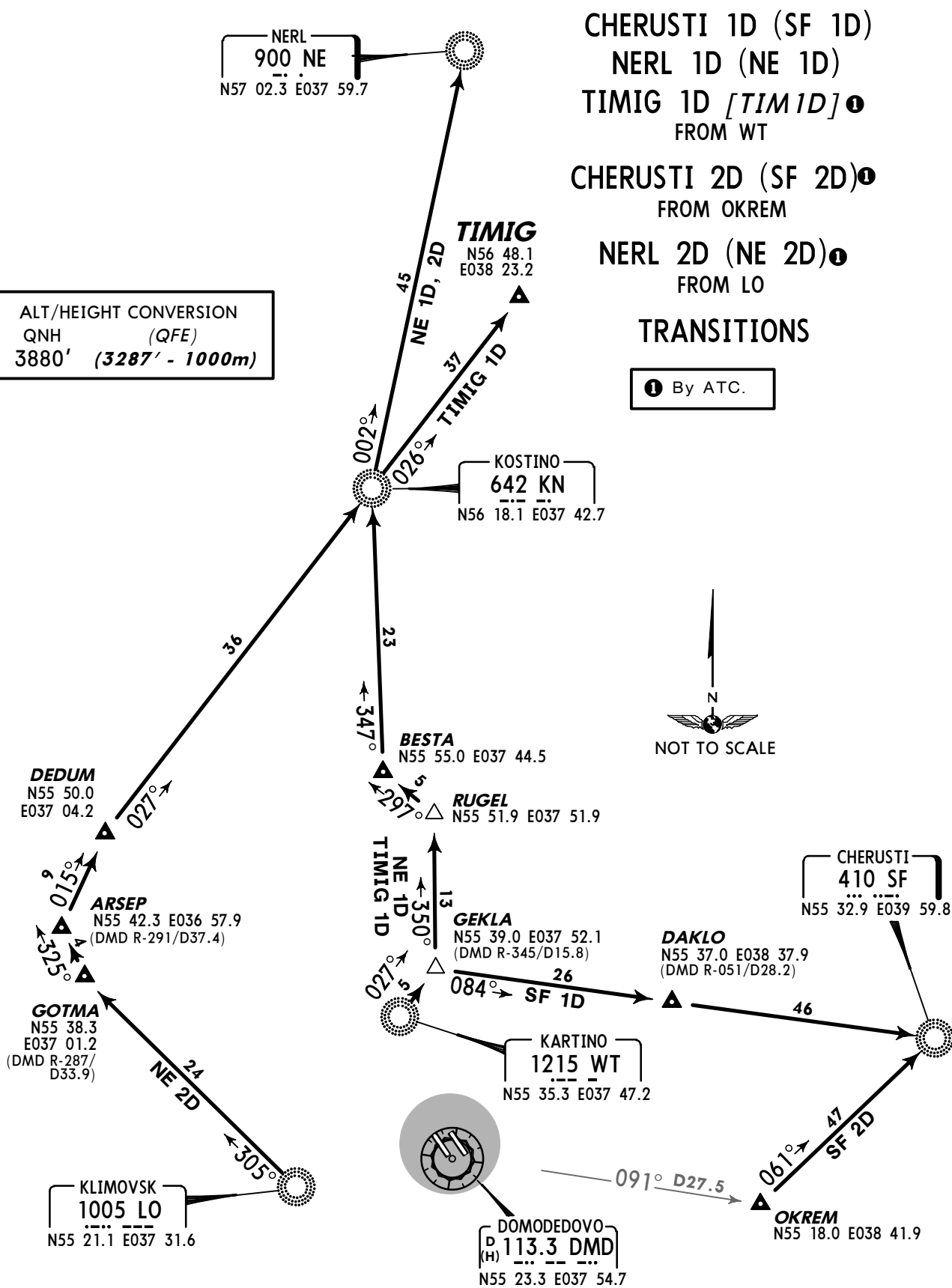
Climb on 136° track to 1050' (499'), turn LEFT, 336° track to RUGEL.

DOMODEDOVO Radar
127.7

Apt Elev
593'

QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')

ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)



TRANSITION	ROUTING
NE 1D	From WT to GEKLA, then to RUGEL, then to BESTA, then to KN, then to NE.
NE 2D ①	From LO to GOTMA, then to ARSEP, then to DEDUM, then to KN, then to NE.
SF 1D	From WT to GEKLA, then to DAKLO, then to SF.
SF 2D ①	From OKREM to SF.
TIMIG 1D ①	From WT to GEKLA, then to RUGEL, then to BESTA, then to KN, then to TIMIG.

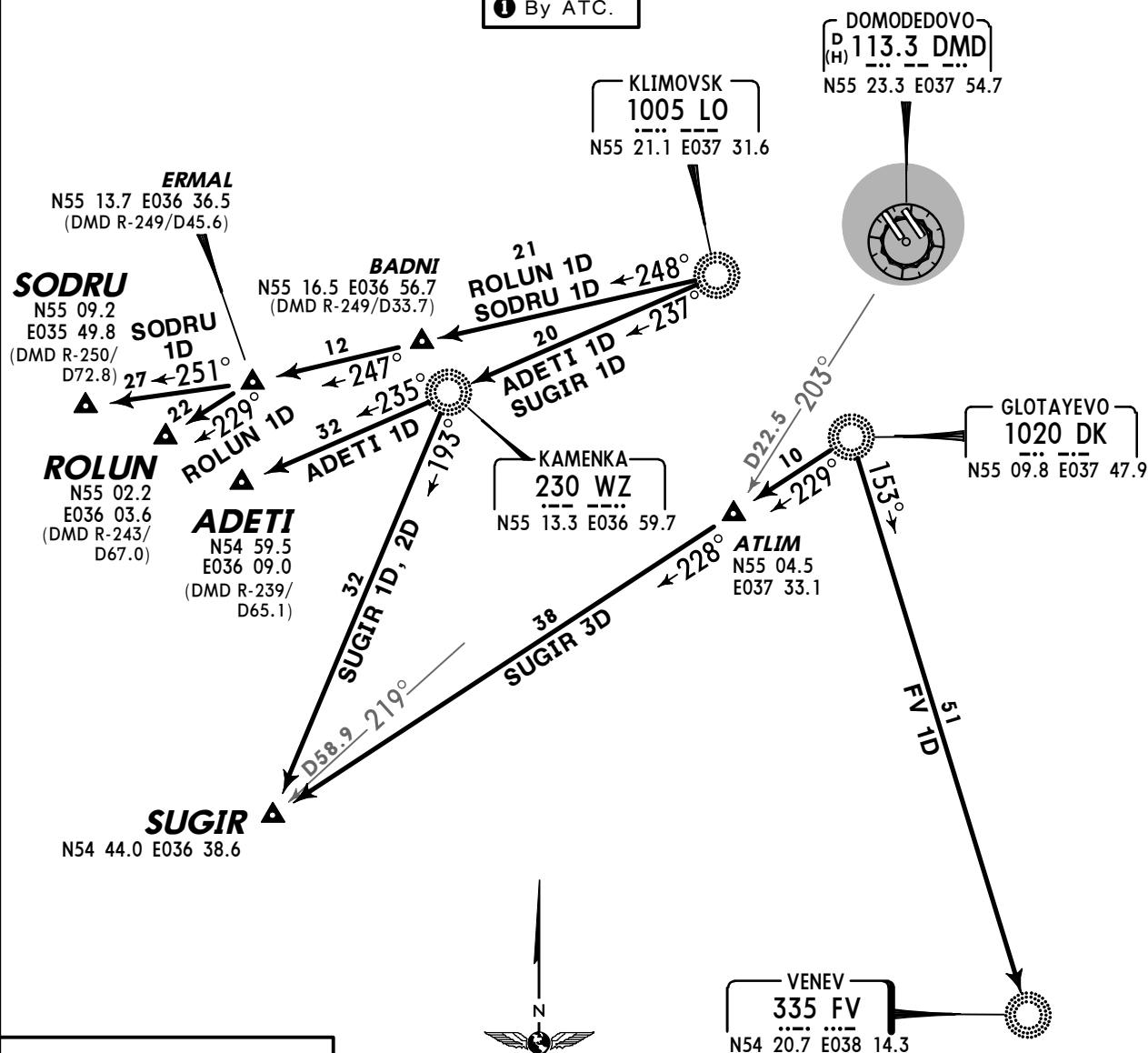
DOMODEDOVO
Radar
127.7

Apt Elev
593'

QNH on request (QFE)
Trans level: By ATC Trans alt: 3880' (3287')

ADETI 1D [ADE1D] ①, ROLUN 1D [ROL1D] ①
SODRU 1D [SOD1D] ①, SUGIR 1D [SUG1D]
FROM LO
SUGIR 2D [SUG2D]
FROM WZ
SUGIR 3D [SUG3D] ①
VENEV 1D (FV 1D)
FROM DK
TRANSITIONS

① By ATC.



ALT/HEIGHT CONVERSION
QNH (QFE)
3880' (3287' - 1000m)

NOT TO SCALE

TRANSITION	ROUTING
ADETI 1D ①	From LO to WZ, then to ADETI.
FV 1D	From DK to FV.
ROLUN 1D ①	From LO to BADNI, then to ERMAL, then to ROLUN.
SODRU 1D ①	From LO to BADNI, then to ERMAL, then to SODRU.
SUGIR 1D	From LO to WZ, then to SUGIR.
SUGIR 2D	From WZ to SUGIR.
SUGIR 3D ①	From DK to ATLIM, then to SUGIR.

BELAG 1D [BEL1D]
KARMANOVO 1D (BG 1D)
OBELU 1D [OBE1D]
 FROM WT
KARMANOVO 2D (BG 2D)
 FROM LO
TRANSITIONS

OBELU
 N56 16.2
 E035 48.7

BELAG
 N56 09.7
 E035 17.3

KARMANOVO
 745 BG
 N55 50.0 E034 51.6

BUZHAROVO
 1080 AR
 N55 59.0 E036 48.0

GISIN
 N55 57.7 E037 20.9

BESTA
 N55 55.0 E037 44.5

RUGEL
 N55 51.9 E037 51.9

GEKLA
 N55 39.0 E037 52.1
 (DMD R-345/D15.8)

KARTINO
 1215 WT
 N55 35.3 E037 47.2

DOMODEDOVO
 113.3 DMD
 N55 23.3 E037 54.7

KLIMOVSK
 1005 LO
 N55 21.1 E037 31.6

GOTMA
 N55 38.3 E037 01.2
 (DMD R-287/D33.9)

ARSEP
 N55 42.3 E036 57.9
 (DMD R-291/D37.4)

IVANOVSKOYE
 405 UM
 N55 51.7 E036 54.7

MAKSI
 N55 53.4
 E035 33.3

TRANSITIONS:
 18, 13, 5, 13, 5, 24, 305, 10, 325, 4, 339, 10, 323, 8, 42, 273, 253, 252, 24, 288, 37

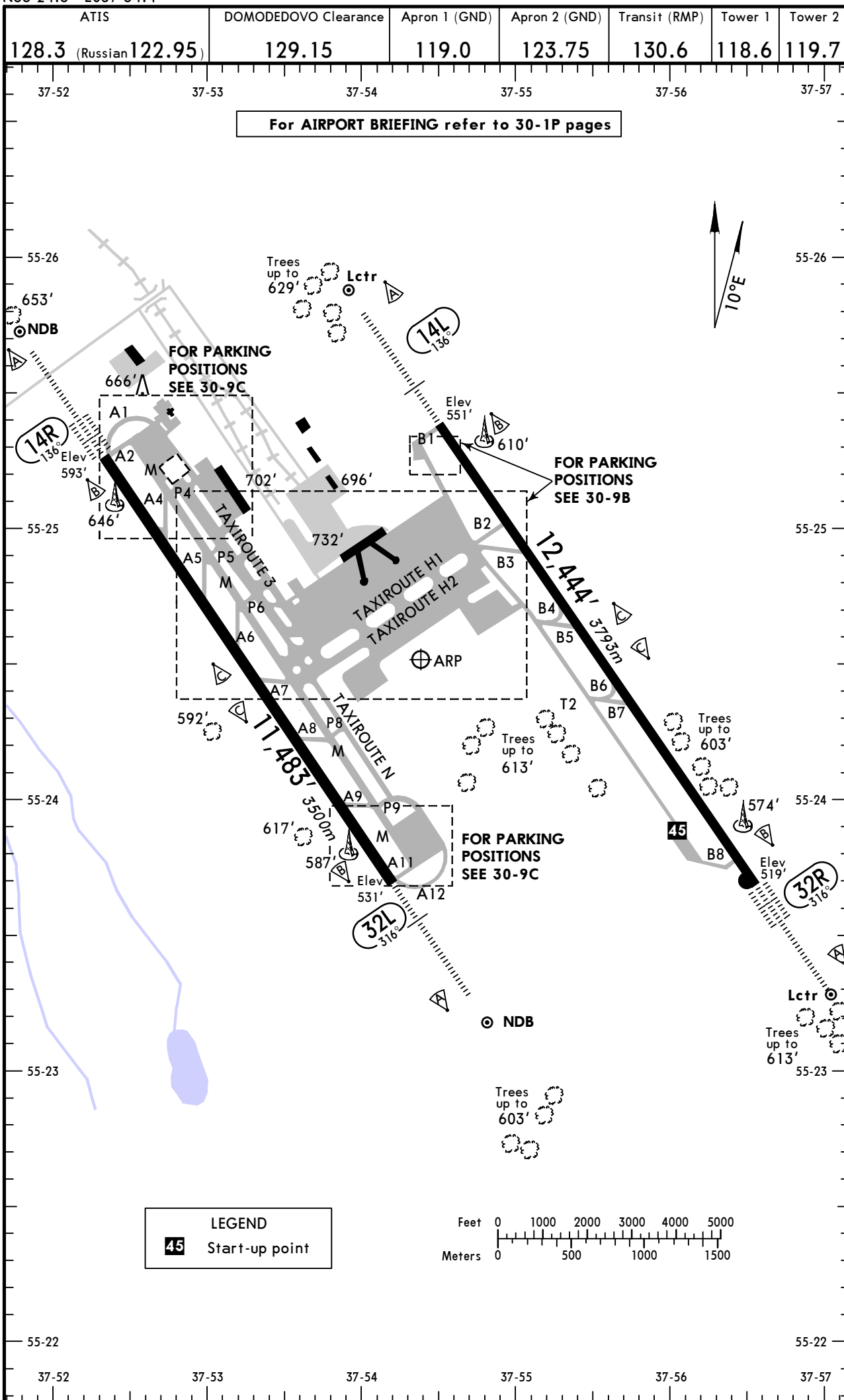
ALT/HEIGHT CONVERSION
 QNH (QFE)
 3880' (3287' - 1000m)

TRANSITION	ROUTING
BELAG 1D	From WT to GEKLA, then to RUGEL, then to BESTA, then to GISIN, then to AR, then to BELAG.
BG 1D	From WT to GEKLA, then to RUGEL, then to BESTA, then to GISIN, then to AR, then to MAKSI, then to BG.
BG 2D By ATC	From LO to GOTMA, then to ARSEP, then to UM, then to AR, then to MAKSI, then to BG.
OBELU 1D	From WT to GEKLA, then to RUGEL, then to BESTA, then to GISIN, then to AR, then to OBELU.

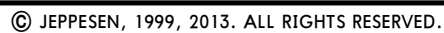
UDD/DME
Apt Elev 593'
N55 24.5 E037 54.4

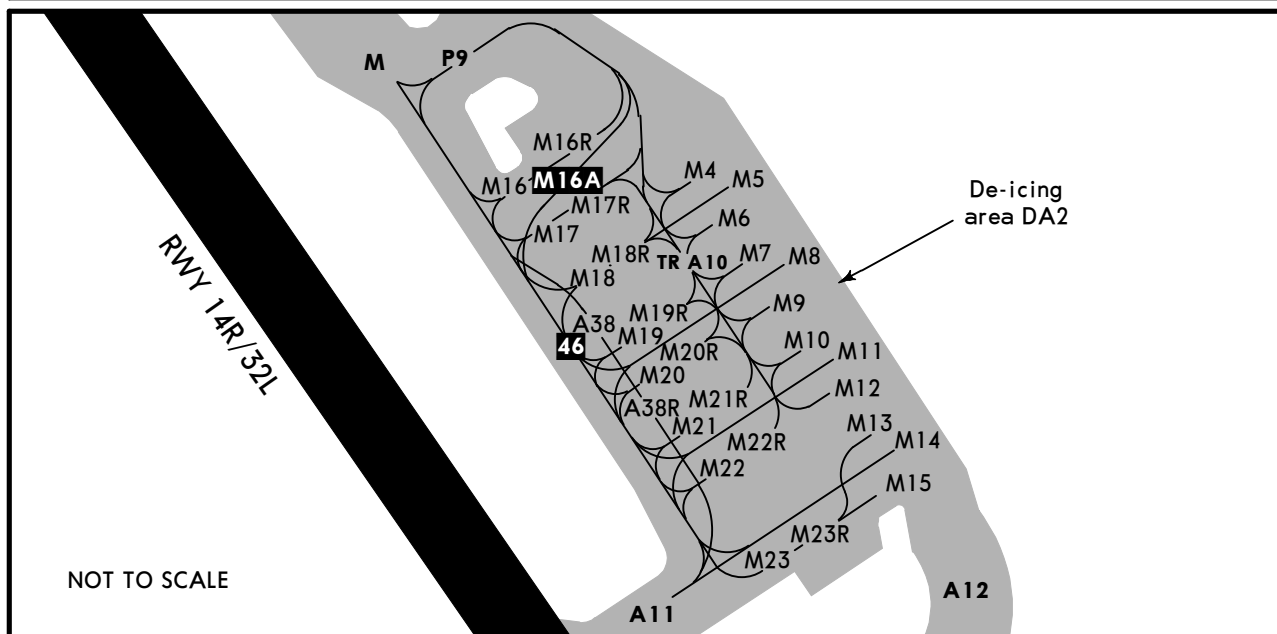
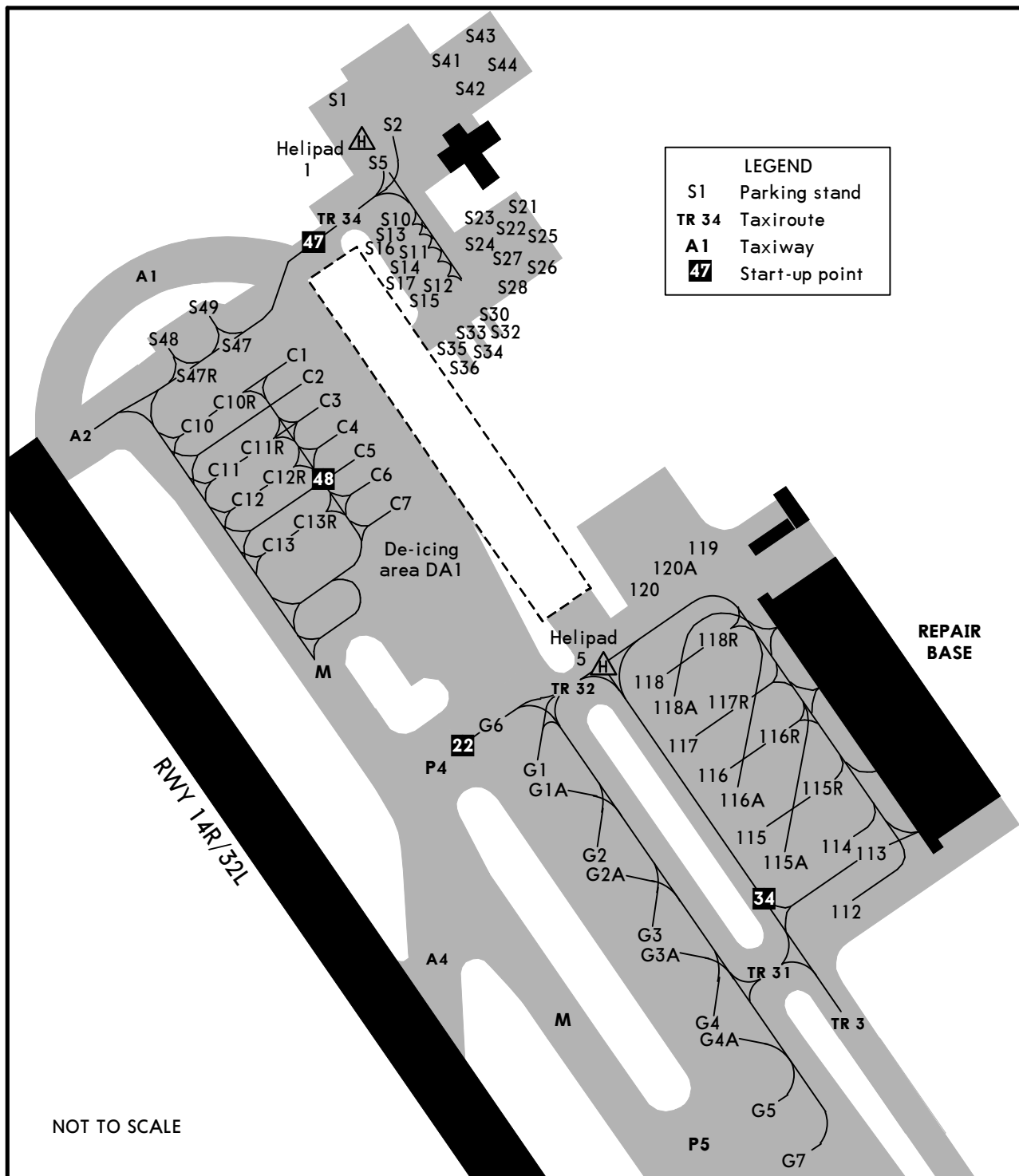
JEPPESEN
23 MAR 12 30-9 Eff 5 Apr

MOSCOW, RUSSIA
DOMODEDOVO



ADDITIONAL RUNWAY INFORMATION						
RWY		USABLE LENGTHS		TAKE-OFF	WIDTH	
		Threshold	Landing Beyond Glide Slope			
14L	HIRL (60m) CL (15m) HIALS PAPI- L ❶ RVR		11,350' 3459m	❷	174' 53m	
32R	HIRL (60m) CL (15m) HIALS-II TDZ PAPI- R ❶ RVR		11,411' 3478m			
❶ Angle 3.0°. ❷ TAKE-OFF RUN AVAILABLE RWY 14L: From rwy head 12,444' (3793m) twy B2 int 9547' (2910m) twy B3 int 7972' (2430m) RWY 32R: From rwy head 12,444' (3793m) twy B8 int 11,467' (3495m) twy B7 int 8251' (2515m) twy B6 int 7136' (2175m) twy B5 int 6365' (1940m) twy B4 int 5184' (1580m)						
14R	HIRL (60m) CL (15m) HIALS-II TDZ PAPI- L ❸ RVR		10,389' 3167m	❹	197' 60m	
32L	HIRL (60m) CL (15m) HIALS PAPI- L ❸ RVR					
❸ Angle 3.0°. ❹ TAKE-OFF RUN AVAILABLE RWY 14R: From rwy head 11,483' (3500m) twy A4 int 8711' (2655m) twy A5 int 7218' (2200m) twy A6 int 5741' (1750m) RWY 32L: From rwy head 11,483' (3500m) twy A9 int 8711' (2655m) twy A8 int 7218' (2200m) twy A7 int 5741' (1750m)						
TAKE-OFF						
AIR CARRIER (JAA)						
All Rwys						
LVP must be in force						
	RL & CL	RCLM (DAY only) or RL		RCLM (DAY only) or RL		
A	200m (150m)	250m		400m		
B						
C						
D	250m (200m)	300m				





INS COORDINATES			
STAND No.	COORDINATES	STAND No.	COORDINATES
1, 2	N55 24.8 E037 53.9	86	N55 24.6 E037 54.8
3 thru 5	N55 24.7 E037 54.0	87	N55 24.6 E037 54.6
6 thru 8	N55 24.7 E037 54.1	88	N55 24.7 E037 54.6
9	N55 24.7 E037 54.0	112, 113	N55 25.0 E037 53.1
10 thru 11A	N55 24.8 E037 54.0	114	N55 25.1 E037 53.2
12	N55 24.8 E037 54.1	115, 115A	N55 25.1 E037 53.1
13 thru 16	N55 24.8 E037 54.2	116, 116A	N55 25.1 E037 53.1
17 thru 19	N55 24.8 E037 54.3	117, 117A	N55 25.1 E037 53.0
20	N55 24.8 E037 54.2	118, 118A	N55 25.1 E037 53.0
21, 21A, 22	N55 24.9 E037 54.2	119 thru 120A	N55 25.2 E037 53.0
22A	N55 24.8 E037 54.4	121	N55 25.3 E037 54.3
23 thru 25	N55 24.9 E037 54.4	122	N55 25.2 E037 54.3
26	N55 24.9 E037 54.3	123 thru 125	N55 25.2 E037 54.4
28 thru 28B	N55 24.9 E037 54.6	126, 127	N55 25.2 E037 54.3
29 thru 30B	N55 24.9 E037 54.5	128	N55 25.1 E037 54.4
31	N55 25.0 E037 54.5	129, 130	N55 25.2 E037 54.3
31A thru 33	N55 25.0 E037 54.4	131	N55 25.2 E037 54.4
35	N55 24.5 E037 54.1	C1	N55 25.3 E037 52.6
36	N55 24.5 E037 54.2	C2 thru C6	N55 25.3 E037 52.7
37	N55 24.6 E037 54.2	C7	N55 25.2 E037 52.7
38, 38A, 39	N55 24.6 E037 54.3	C10, C11, C12	N55 25.3 E037 52.6
40B, 41	N55 24.6 E037 54.4	C13	N55 25.2 E037 52.7
41A	N55 24.6 E037 54.5	G1, G1A, G2	N55 25.1 E037 52.9
42 thru 43B	N55 24.7 E037 54.5	G2A thru G4	N55 25.0 E037 53.0
44, 44A, 45	N55 24.7 E037 54.6	G4A, G5	N55 24.9 E037 53.1
46 thru 48	N55 24.7 E037 54.7	G6	N55 25.1 E037 52.9
52	N55 24.8 E037 54.7	G7, G8, G8A	N55 24.9 E037 53.2
53	N55 24.8 E037 54.6	G8B	N55 24.8 E037 53.2
54	N55 24.7 E037 54.6	G9	N55 24.8 E037 53.3
55	N55 24.7 E037 54.5	G9A	N55 24.8 E037 53.2
56	N55 24.7 E037 54.4	G9B thru G10B	N55 24.8 E037 53.3
57	N55 24.6 E037 54.3	G11	N55 24.7 E037 53.3
60 thru 61	N55 24.6 E037 54.2	G12 thru G13A	N55 24.7 E037 53.4
62	N55 24.6 E037 54.1	G13B	N55 24.6 E037 53.4
62A	N55 24.5 E037 54.1	G25	N55 24.9 E037 53.3
62B	N55 24.6 E037 54.1	M4	N55 24.0 E037 54.3
63	N55 24.6 E037 54.0	M5 thru M7	N55 23.9 E037 54.3
64	N55 24.7 E037 54.0	M8 thru M12	N55 23.9 E037 54.4
64A thru 66	N55 24.7 E037 53.9	M13	N55 23.8 E037 54.4
67A	N55 24.8 E037 53.8	M14, M15	N55 23.8 E037 54.5
68	N55 24.6 E037 53.9	M16	N55 24.0 E037 54.2
69	N55 24.6 E037 53.8	M17, M18	N55 23.9 E037 54.2
70 thru 72	N55 24.7 E037 53.8	M19, M20	N55 23.9 E037 54.3
74	N55 24.6 E037 53.8	M21, M22	N55 23.8 E037 54.3
74A thru 76A	N55 24.6 E037 53.7	M24	N55 23.8 E037 54.4
77	N55 24.7 E037 53.7	S47	N55 25.3 E037 52.6
77A, 78	N55 24.7 E037 53.6	S48	N55 25.3 E037 52.5
81	N55 24.6 E037 54.7	S49	N55 25.4 E037 52.6
82, 83	N55 24.7 E037 54.7		
84, 85	N55 24.7 E037 54.8		

DOCKING GUIDANCE SYSTEM (SAFEDOCK)

GENERAL

The system is formed by centerline indicators (Azimuth Guidance Unit), approach index and stop position indicator, so as alphanumeric indication, composed of a display unit, control and laser scanner at the top of a pole located at the parking axis extension in the surface of the apron, in front of the cockpit.

The display unit shows the following information types:

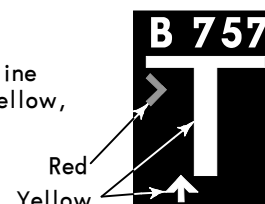
- Alphanumeric information: aircraft type, "OK", "STOP", "TOO FAR", "ID FAIL" and "DOWN GRAD".
- Indication of activated system: It is shown by mobile yellow arrows.
- Indication of aircraft capture: It is shown by a yellow "T", which vertical arm is the docking direction and the horizontal arm is the stop position.
- Indication of azimuth: The off-center respect to the docking direction is shown by a yellow arrow. A flashing red arrow shows the direction to correct.
- Indication of distance: The "T" vertical arm is going to be reduced from 39'/12m before the stop position. Each line of LEDs (light-emitting diode) represents 2'/0.5m approximately.
- Indication of stop: The "T" horizontal arm remains at 2'/0.5m to the stop position. When it is just reached, the display unit shows "STOP" and two rectangular groups of red LEDs will be on.

PILOT INSTRUCTIONS

- Check that the correct acft type is displayed.
The mobile arrows indicate that the system is activated.



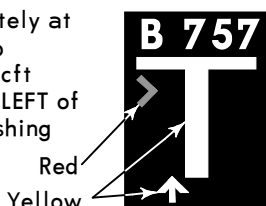
- DOCKING
Follow the LEDs line.
When the "T" centerline indication becomes yellow, the acft is caught by the laser and being identified.



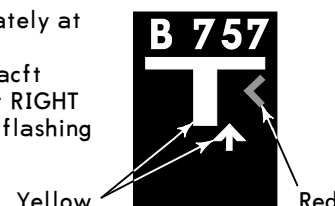
3. IDENTIFICATION

When the acft is at less than 39'/12m from the stop position, the display will show closing rate indicated by turning off one row of centerline indicator LEDs in front of the arrow for each 2'/0.5m advances into the gate.

The acft is approximately at 33'/10m from the stop position. The yellow acft symbol indicates acft LEFT of centerline and the flashing red arrow shows the turning direction.

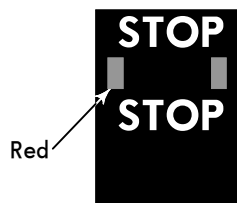


The acft is approximately at 16'/5m from the stop position. The yellow acft symbol indicates acft RIGHT of centerline and the flashing red arrow shows the turning direction.



4. STOP

When the correct stop position is reached, the display shows "STOP" and the red LEDs will be on.

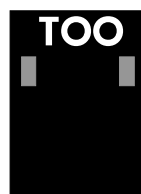


5. DOCKING ON

When the acft is correctly parked, the display unit will show "OK" some seconds later.



- If the acft has overshot the stop position, "TOO FAR" will be displayed.



7. IDENTIFICATION FAILURE

The acft is identified during the entrance into the parking position. If for any reason the identification is not achieved "ID FAIL", the display will show "STOP" and "WAIT". If the acft is identified, docking can proceed. If not, the display will show "STOP".



8. SLOW DOWN

When the acft exceed the pre-programmed approach speed, the display unit will show "DOWN GRAD".



STRAIGHT-IN RWY		A	B	C	D
14L	ILS	751'(200')	751'(200')	751'(200')	751'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ❶	980'(429')	980'(429')	980'(429')	980'(429')
14R	CAT 3A ILS	RA50' R200m	RA50' R200m	RA50' R200m	RA50' R200m
	CAT 2 ILS	693'(100')	693'(100')	693'(100')	693'(100')
		RA107' R350m	RA107' R350m	RA107' R350m	RA107' R350m
	ILS	793'(200')	793'(200')	793'(200')	793'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
32L	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	970'(377')	970'(377')	970'(377')	970'(377')
	ALS out	R1000m	R1000m	R1000m	R1000m
	NDB ❶❷	1380'(787')	1380'(787')	1380'(787')	1380'(787')
	ALS out	R1500m	R1500m	C2400m	C2400m
32L	NDB ❸	1380'(787')	1380'(787')	1380'(787')	1380'(787')
	ALS out	C3100m	C3100m	C3300m	C3300m
		C3800m	C3800m	C4000m	C4000m
	ILS	731'(200')	731'(200')	731'(200')	731'(200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
32L	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	880'(349')	880'(349')	880'(349')	880'(349')
	ALS out	R900m	R900m	R900m	R900m
	NDB ❶❷	1230'(699')	1230'(699')	1230'(699')	1230'(699')
	ALS out	R1500m	R1500m	C2400m	C2400m
32L	NDB ❸	1230'(699')	1230'(699')	1230'(699')	1230'(699')
	ALS out	C2700m	C2700m	C2900m	C2900m
		C3400m	C3400m	C3600m	C3600m

❶ Continuous Descent Final Approach.

❷ with FMS.

❸ w/o FMS.

STRAIGHT-IN RWY		A	B	C	D
32R	CAT 3A ILS	RA50' R200m	RA50' R200m	RA50' R200m	RA50' R200m
	CAT 2 ILS	619'(100')	619'(100')	619'(100')	619'(100')
		RA106' R350m	RA106' R350m	RA106' R350m	RA106' R350m
	ILS	719'(200')	719'(200')	719'(200')	719'(200')
	<i>FULL</i>	R550m	R550m	R550m	R550m
	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ❶	880'(361')	880'(361')	880'(361')	880'(361')
		R1000m	R1000m	R1000m	R1000m
	<i>ALS out</i>	R1500m	R1500m	R1700m	R1700m

❶ Continuous Descent Final Approach.

TAKE-OFF RWY 14L/C/R, 32L/C/R

LVP must be in Force					
Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A					
B	125m	150m	200m	250m	400m
C					500m
D	150m	200m	250m	300m	

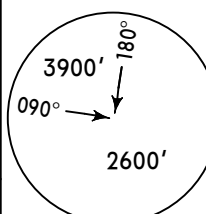
UDD/DME DOMODEDOVO

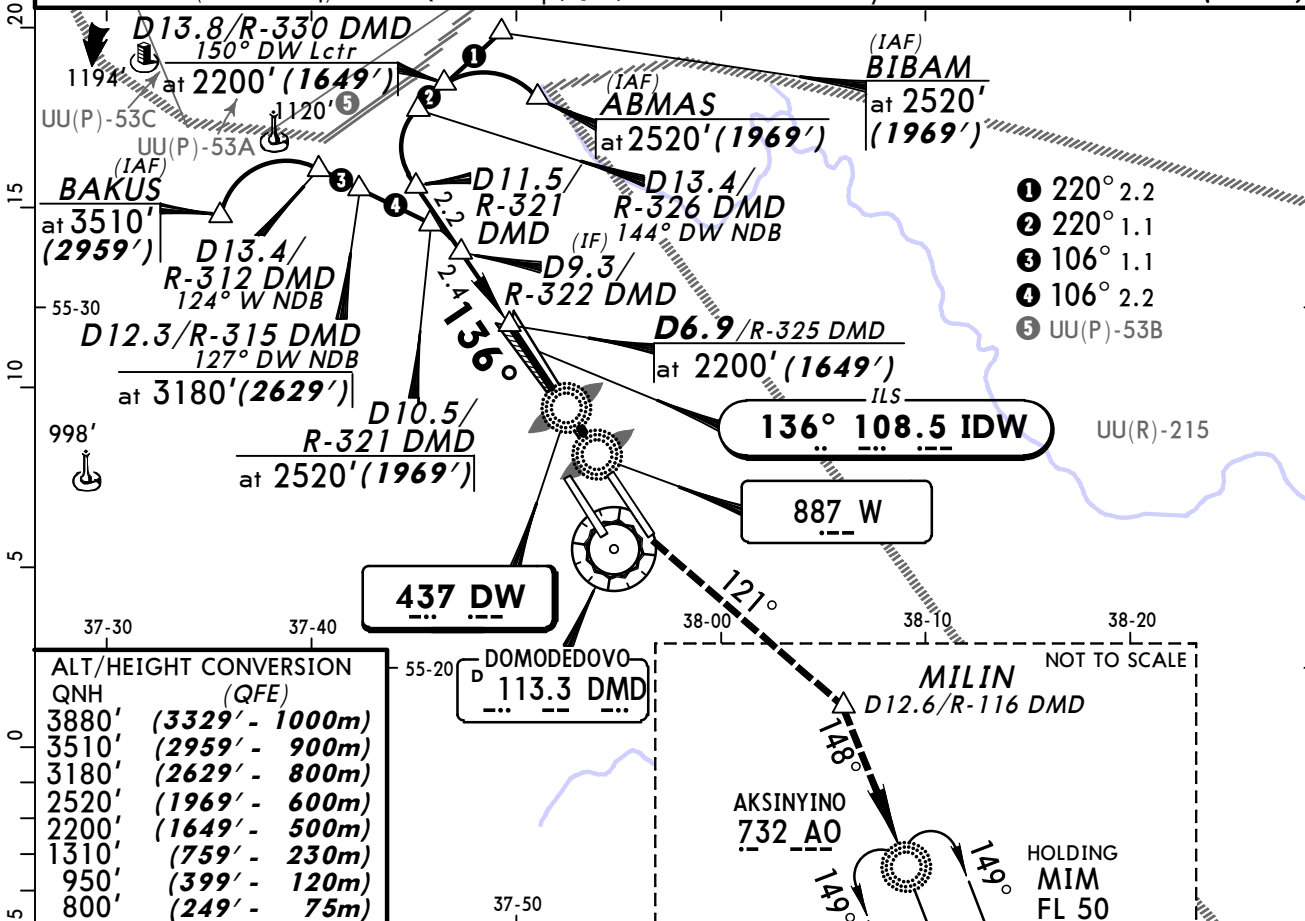
21 JUN 13
Eff 27 Jun

31-1

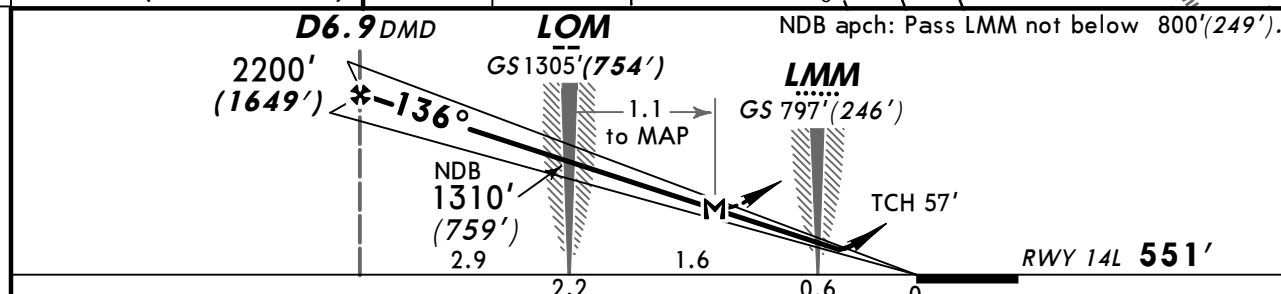
MOSCOW, RUSSIA
ILS or 2 NDB Rwy 14L

BRIEFING STRIP™

ATIS 128.3 (Russian 122.95)		DOMODEDOVO Approach 120.6		DOMODEDOVO Radar 127.7		DOMODEDOVO Tower 2 119.7		Ground 119.0 123.75	
LOC IDW 108.5		Final Apch Crs 136°	GS LOM 1305' (754')		ILS DA(H) 751' (200')		Apt Elev 593' RWY 551'		 MSA DMD VOR
NDB DW 437			Minimum Alt D6.9 DMD 2200' (1649')		NDB MDA(H) 980' (429')				
MISSED APCH: Climb STRAIGHT AHEAD to 950' (399') or W LMM, whichever is later, turn LEFT onto 121° climbing to 2520' (1969') to MILIN, then turn RIGHT onto 148° climbing to 3510' (2959') to AO NDB, or as directed.									
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: By ATC		Trans alt: 3880' (3329')			



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3329' - 1000m)
3510'	(2959' - 900m)
3180'	(2629' - 800m)
2520'	(1969' - 600m)
2200'	(1649' - 500m)
1310'	(759' - 230m)
950'	(399' - 120m)
800'	(249' - 75m)

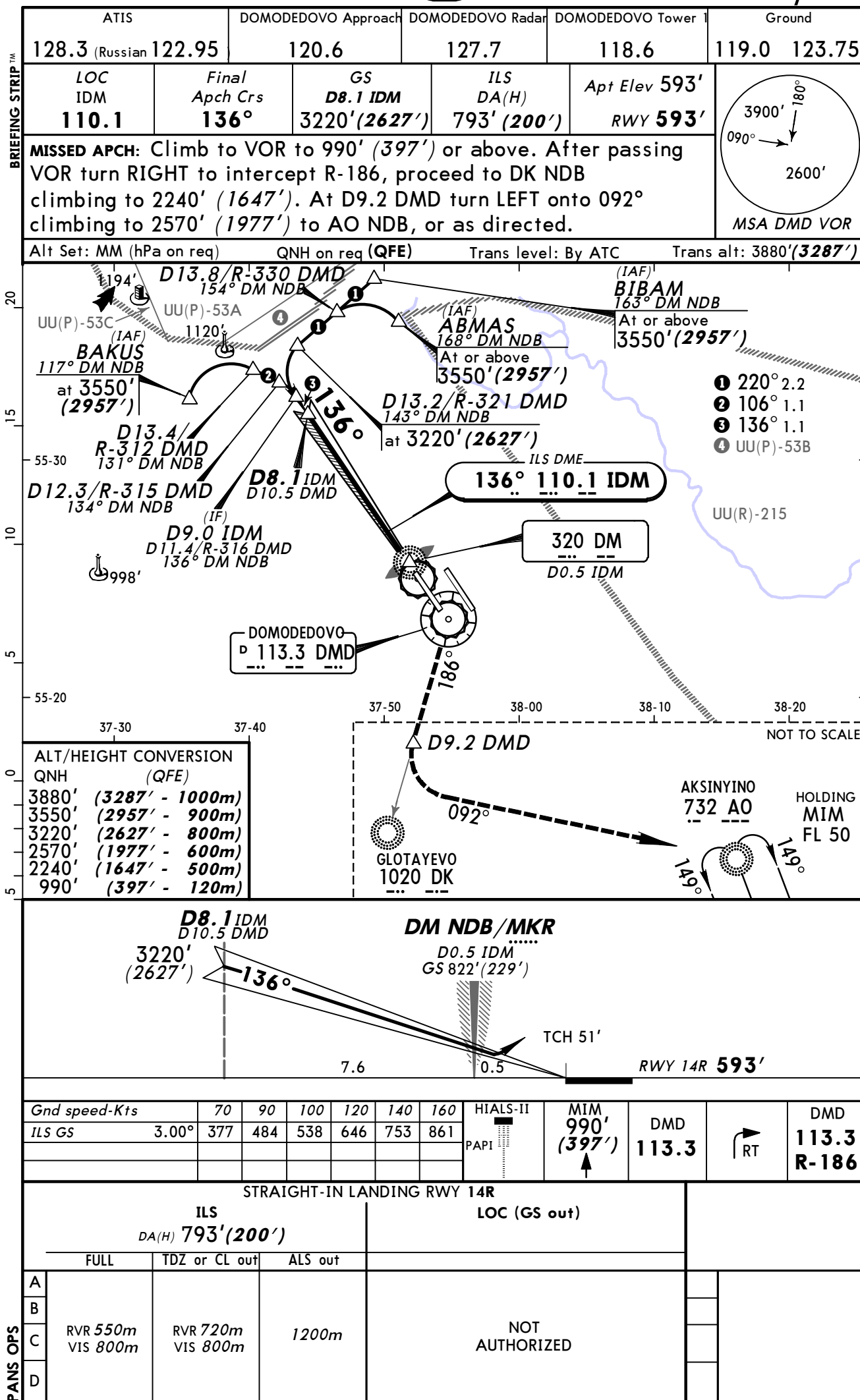


Gnd speed-Kts	70	90	100	120	140	160	HIALS		950' (399')	W 887	121°	2520' (1969')
ILS GS or NDB Desc Angle 3.00°	377	484	538	646	753	861	PAPI		↑ whichever is later ↑		LT	↑
LOM to MAP	1.1	0:57	0:44	0:40	0:33	0:28	0:25					

STRAIGHT-IN LANDING RWY 14L					
ILS DA(H) 751'(200')		LOC (GS out)		NDB MDA(H) 980'(429')	
FULL	ALS out			ALS out	
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED	1200m	RVR 1800m VIS 2000m
D				RVR 1800m VIS 2000m	2400m

CHANGES: Missed approach.

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ATIS

128.3 (Russian 122.95)

DOMODEDOVO Approach

120.6

DOMODEDOVO Radar

127.7

DOMODEDOVO Tower 1

118.6

Ground

119.0 123.75

LOC

IDM

110.1

Final

Apch Crs

136°

GS

D8.1 IDM

3220'(2627')

CAT II ILS

RA 107'

DA(H) 693'(100')

Apt Elev 593'

RWY 593'

3900'

180°

090°

2600'

MSA DMD VOR

MISSED APCH: Climb to VOR to 990' (397') or above. After passing VOR turn RIGHT to intercept R-186, proceed to DK NDB climbing to 2240' (1647'). At D9.2 DMD turn LEFT onto 092° climbing to 2570' (1977') to AO NDB, or as directed.

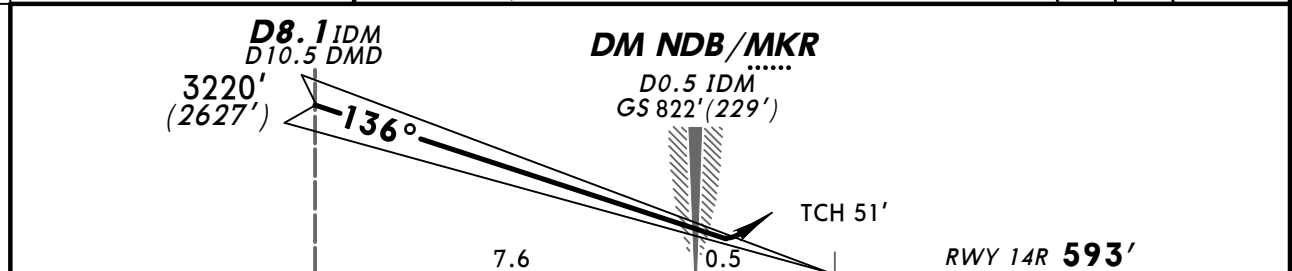
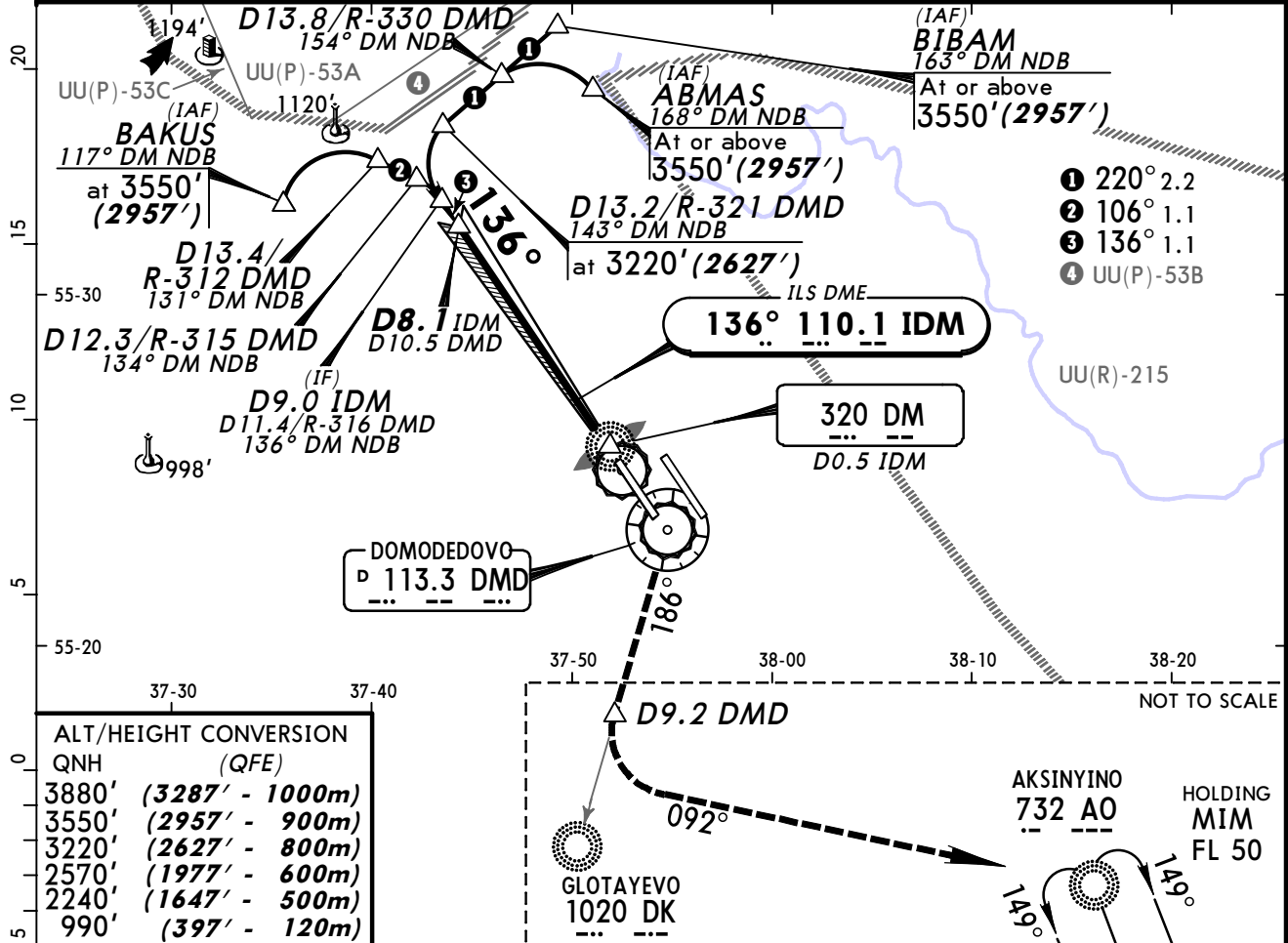
Alt Set: MM (hPa on req)

QNH on req (QFE)

Trans level: By ATC

Trans alt: 3880'(3287')

Special Aircrew & Acft Certification Required.



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	MIM 990' (397')	DMD 113.3	RT	DMD 113.3 R-186
ILS GS	3.00°	377	484	538	646	753	861				

STRAIGHT-IN LANDING RWY 14R

CAT II ILS

RA 107'

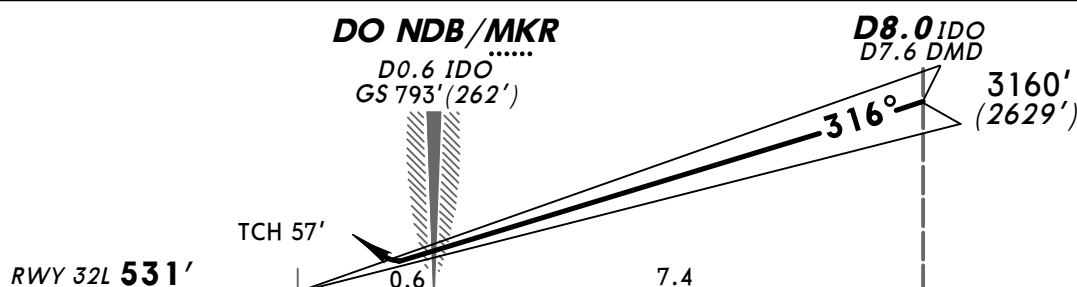
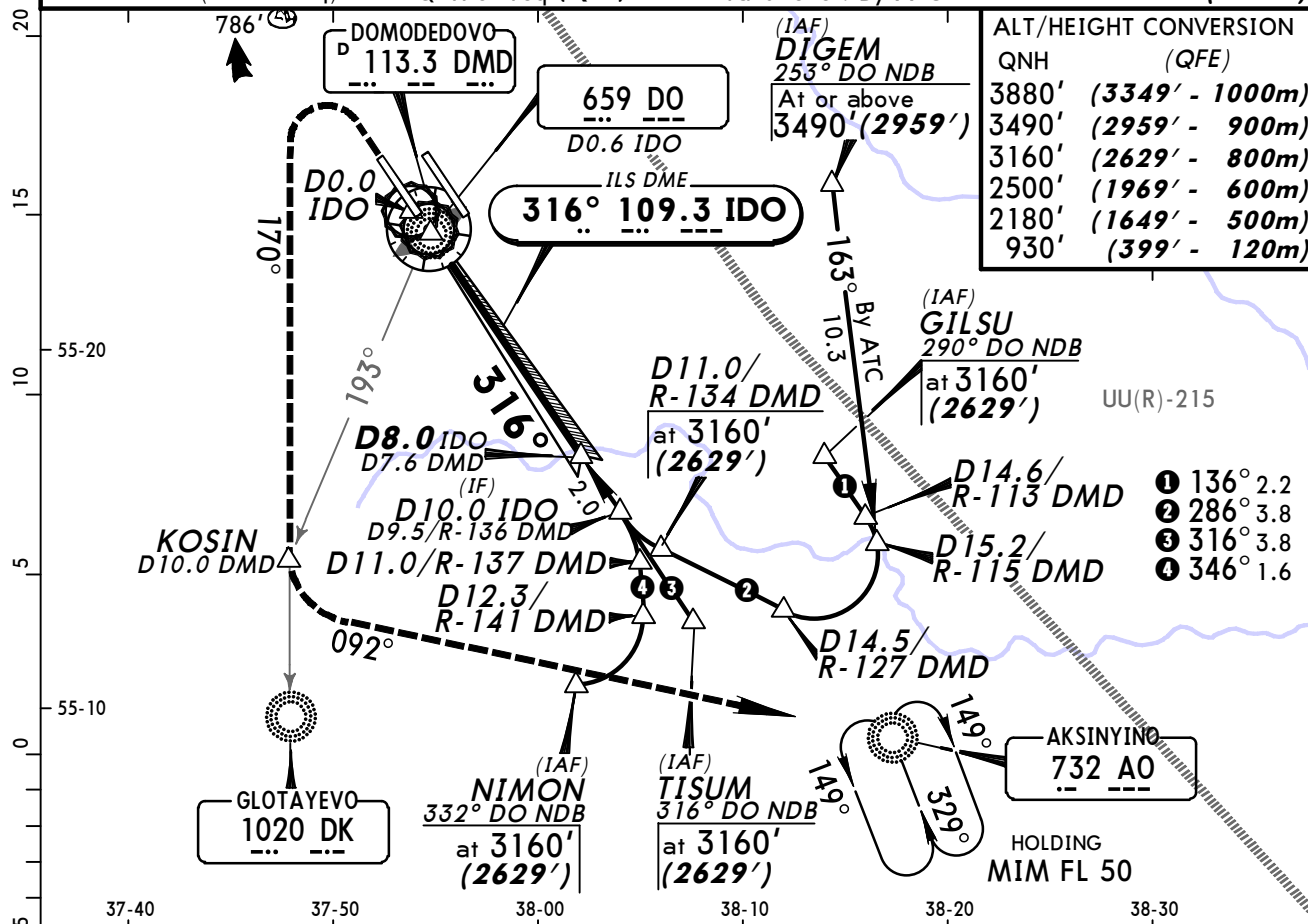
DA(H) 693'(100')

RVR 350m

MOSCOW, RUSSIA
ILS DME Rwy 32L

MSA DMD VOR

ALT/HEIGHT CONVERSION	
QNH	(QFE)
3880'	(3349' - 1000m)
3490'	(2959' - 900m)
3160'	(2629' - 800m)
2500'	(1969' - 600m)
2180'	(1649' - 500m)
930'	(399' - 120m)



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	HIALS		930'	D0.0		170°	2180'
<i>ILS GS</i> 3.00°	377	484	538	646	753	861	PAPI		(399')	whichever is later	IDO	LT	(1649')
									↑			↖	↑

ILS
31' (200')

LOC (GS out)

FULL

ALS out

RVR 720m
VIS 800m

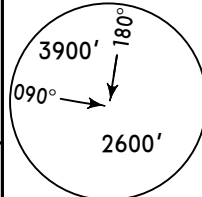
1200m

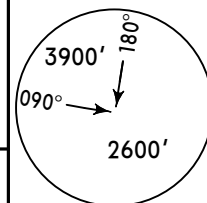
NOT
AUTHORIZED

PANS OPS

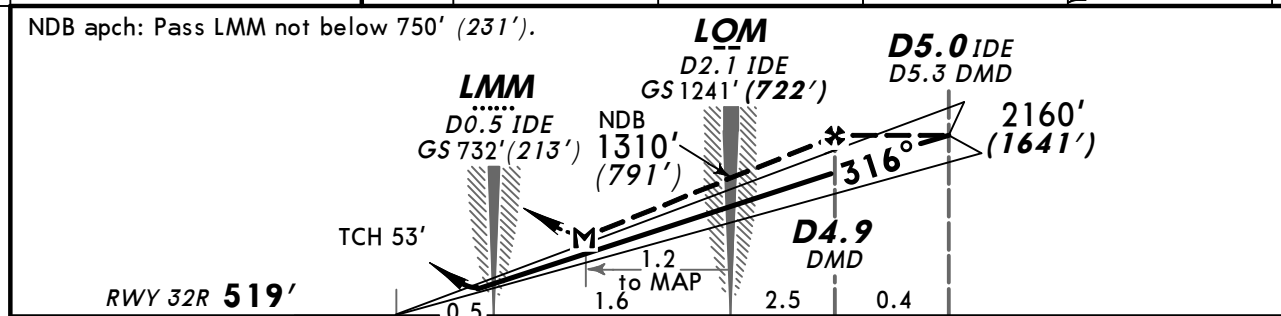
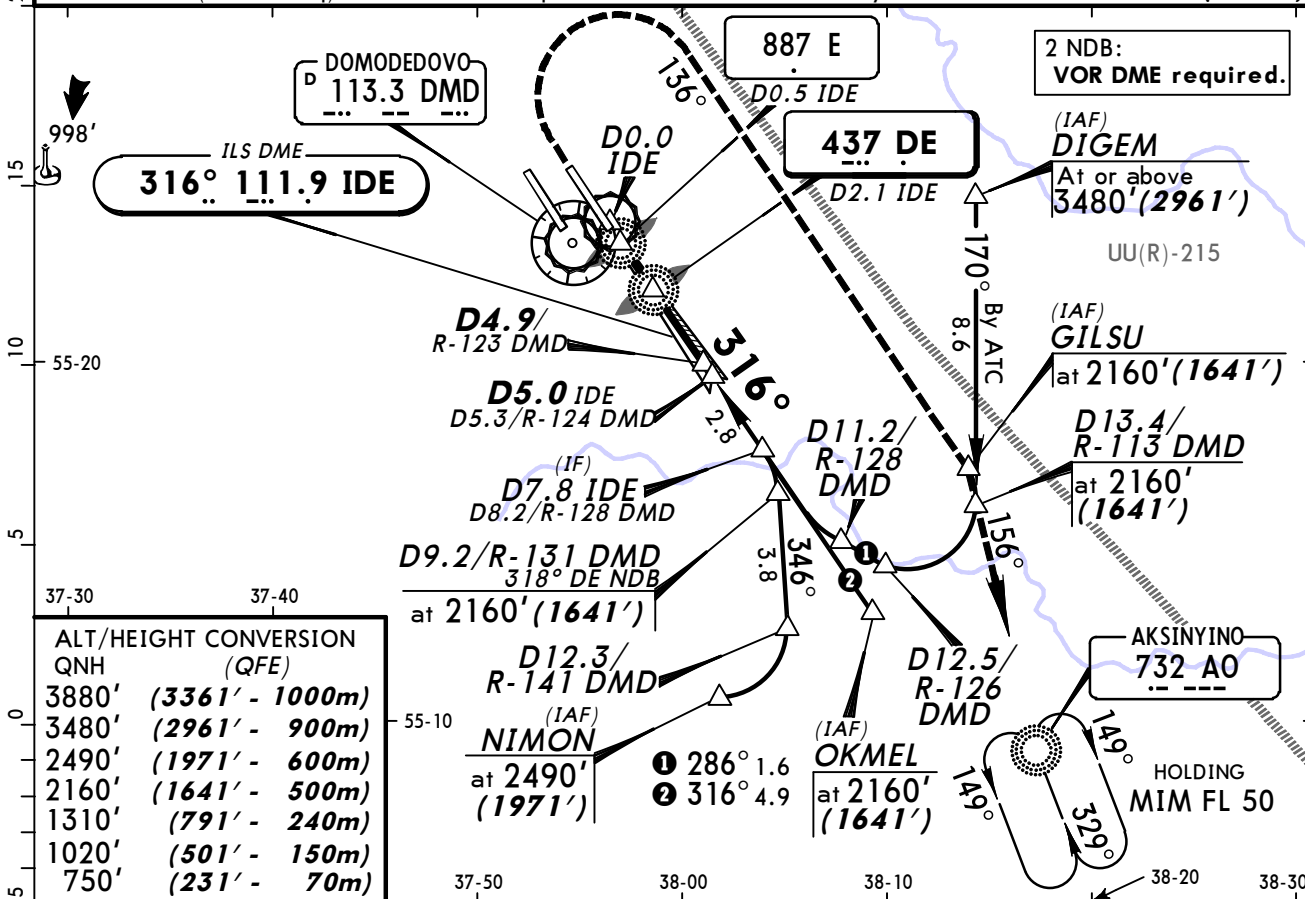
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BRIEFING STRIP™

ATIS 128.3 (Russian) 122.95		DOMODEDOVO Approach 120.6	DOMODEDOVO Radar 127.7	DOMODEDOVO Tower 2 119.7	Ground 119.0 123.75
LOC IDE 111.9	Final Apch Crs 316°	GS LOM 1241' (722')	ILS DA(H) 719' (200')	Apt Elev 593' RWY 519'	 MSA DMD VOR
NDB DE 437		Minimum Alt D4.9 DMD 2160' (1641')	NDB MDA(H) 880' (361')		
MISSED APCH: Climb STRAIGHT AHEAD to 1020' (501') (ILS: or D0.0 IDE whichever is later), then turn RIGHT onto 136° climbing to 2160' (1641') to GILSU, then proceed on 156° climbing to 3480' (2961') to AO NDB, or as directed.					



Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3880' (**3361'**)



Gnd speed-Kts	70	90	100	120	140	160
ILS GS	3.00°	377	484	538	646	753
NDB Desc Angle	3.32°	411	529	587	705	822
LOM to MAP	1.2	1:02	0:48	0:43	0:36	0:31

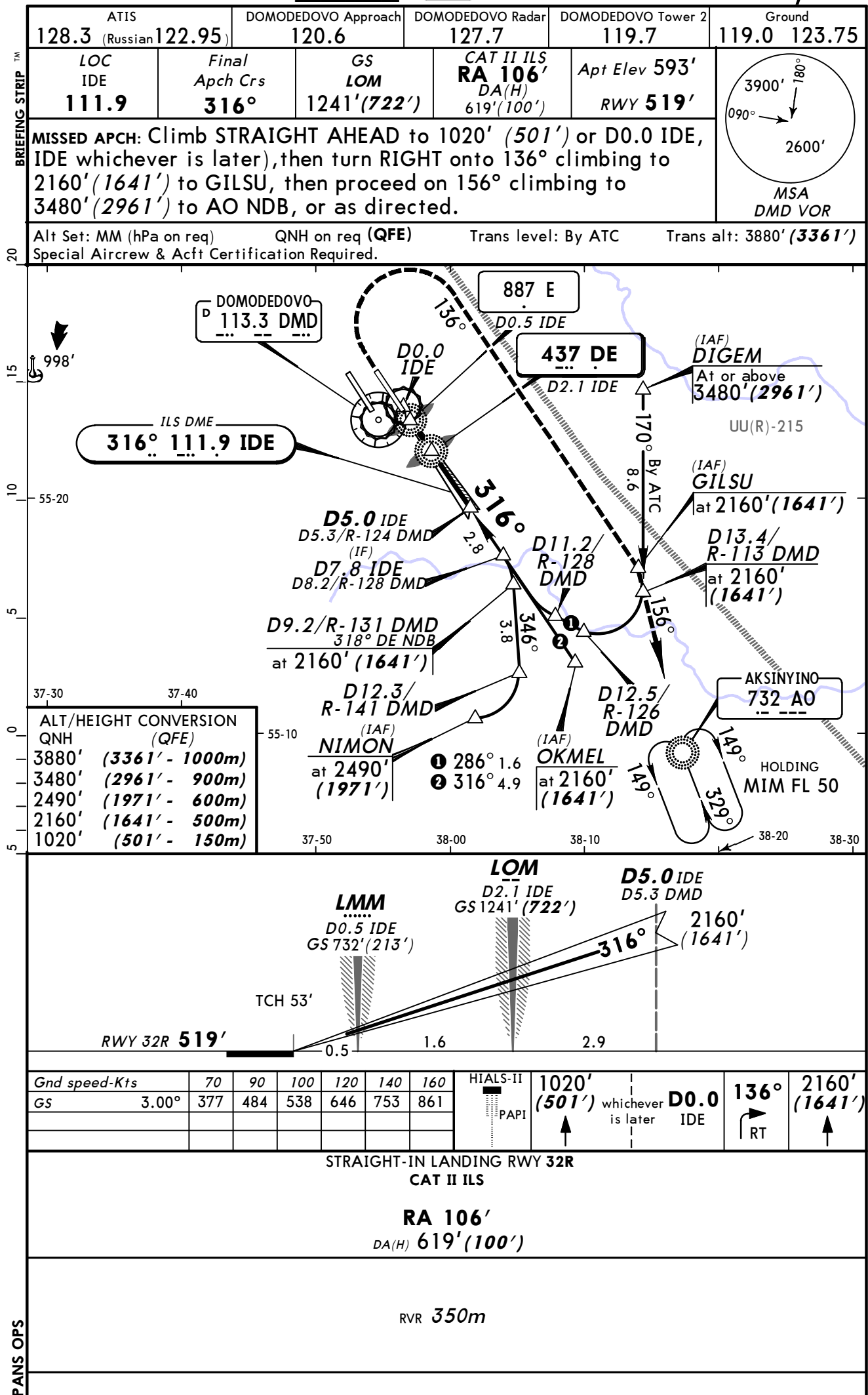
STRAIGHT-IN LANDING RWY 32R					
ILS DA(H) 719' (200')			LOC (GS out)	NDB MDA(H) 880' (361')	
FULL	TDZ or CL out	ALS out			ALS out
A					
B					
C	RVR 550m VIS 800m	RVR 720m VIS 800m	1200m	NOT AUTH	1200m RVR 1500m VIS 1600m
D					RVR 1500m VIS 1600m RVR 1800m VIS 2000m

UDD/DME DOMODEDOVO

21 JUN 13
Eff 27 Jun

31-4A

MOSCOW, RUSSIA
CAT II ILS DME Rwy 32R



CHANGES: GILSU and OKMEL arrivals.

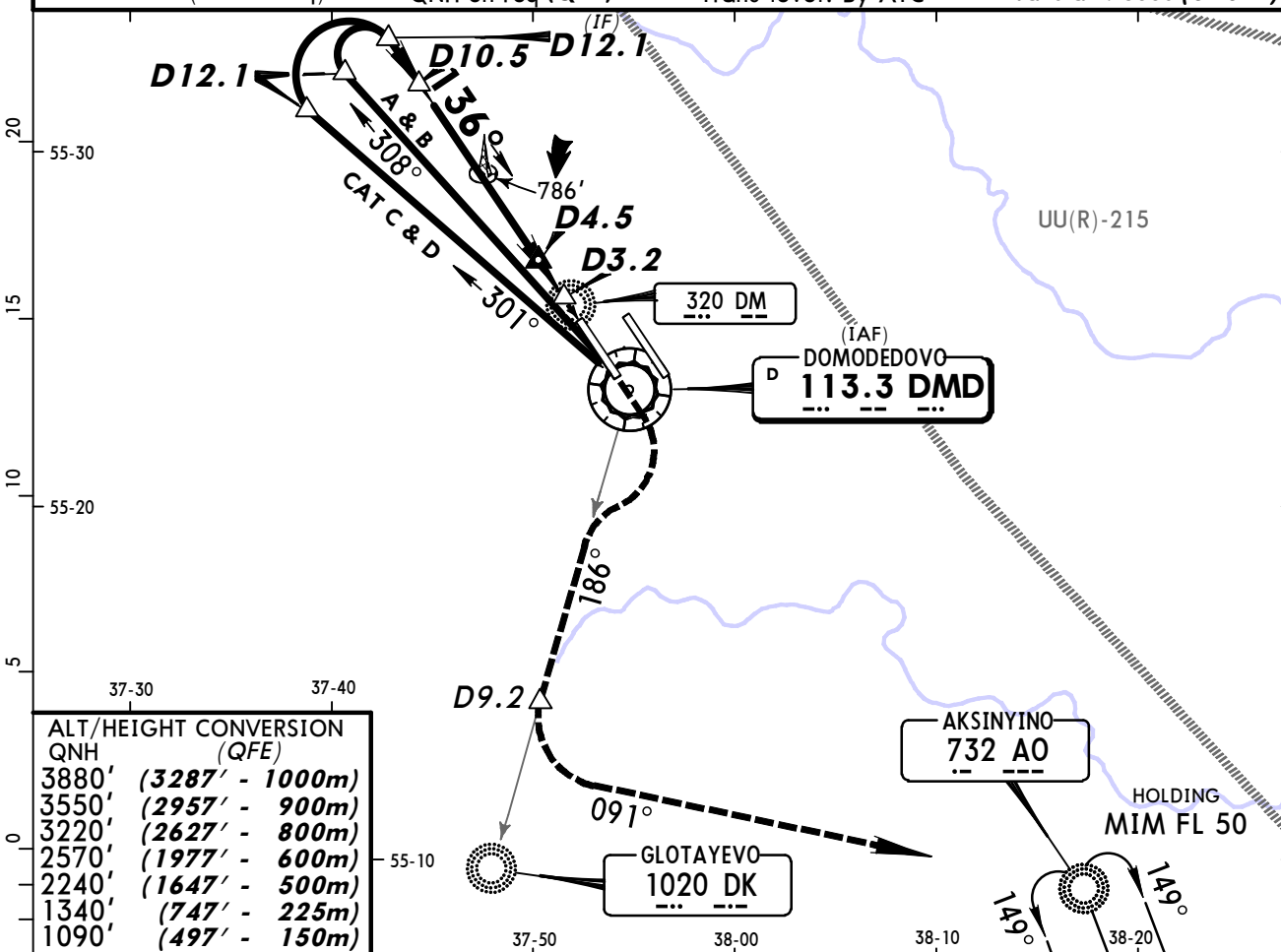
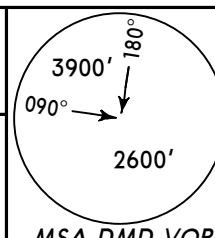
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UDD/DME
DOMODEDOVO

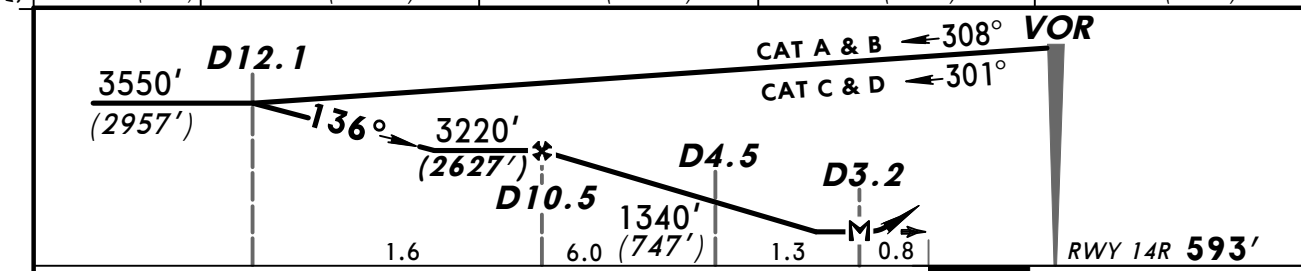
JEPPESEN
29 MAR 13 (33-1) Eff 4 Apr

MOSCOW, RUSSIA
VOR DME Rwy 14R

ATIS 128.3 (Russian 122.95)	DOMODEDOVO Approach 120.6	DOMODEDOVO Radar 127.7	DOMODEDOVO Tower 1 118.6	Ground 119.0 123.75
VOR DMD 113.3	Final Apch Crs 136°	Minimum Alt D10.5 3220' (2627')	MDA(H) 970' (377')	Apt Elev 593' RWY 593'
MISSED APCH: Climb STRAIGHT AHEAD to 1090' (497'), then turn RIGHT to intercept R-186 proceed to DK NDB climbing to 2240' (1647') at D9.2, then turn LEFT onto 091° continue climb to 2570' (1977') to AO NDB, or as directed.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3880' (3287')				



DMD DME	7.0	5.9	4.9	3.8
ALTITUDE (HAT)	2120' (1527')	1780' (1187')	1430' (837')	1090' (497')

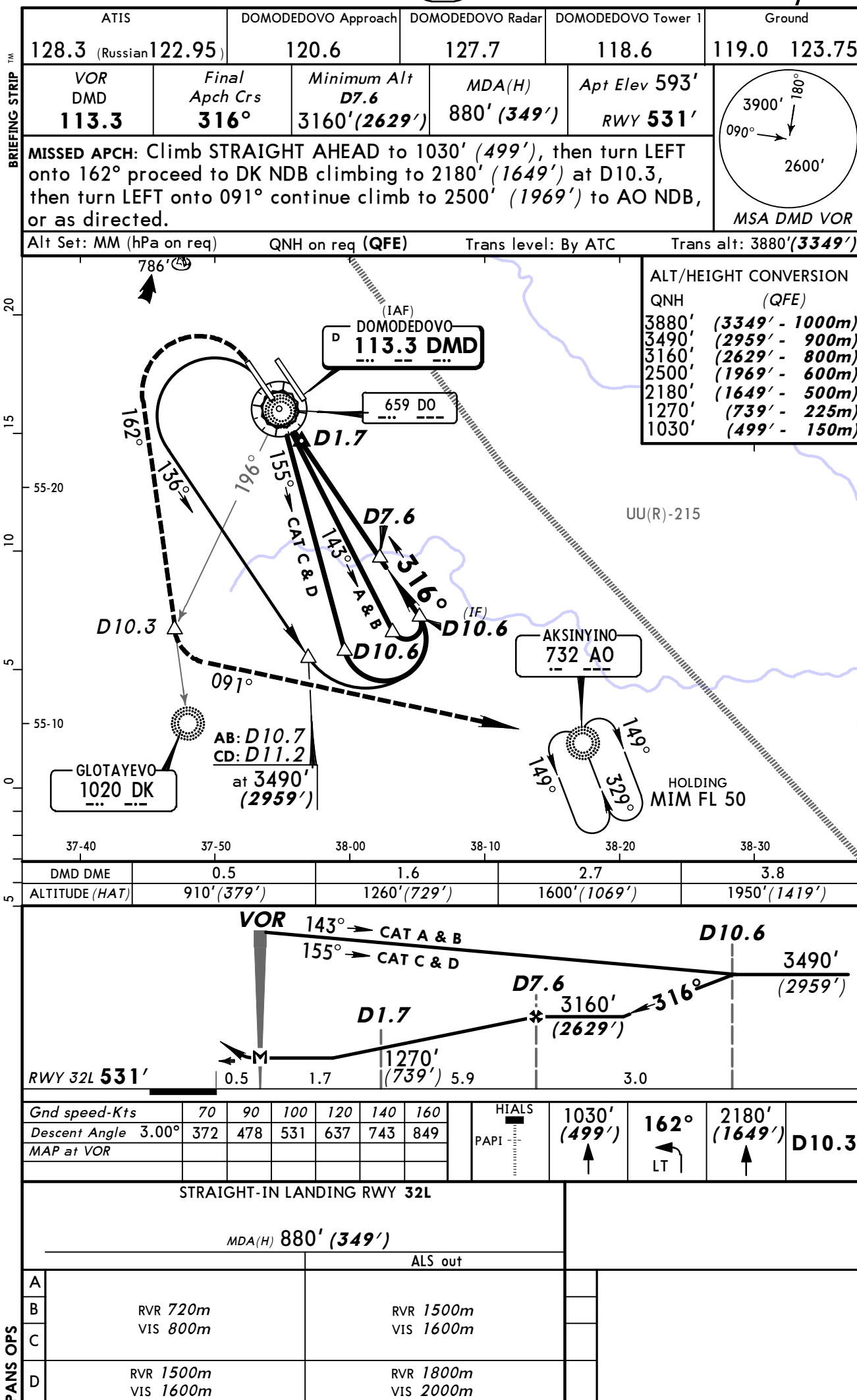


HIALS-II	1090' (497')	RT	DMD	2240' (1647')
PAPI			113.3	
			R-186	

STRAIGHT-IN LANDING RWY 14R			
MDA(H) 970' (377')			
ALS out			
A			
B	RVR 720m VIS 800m	RVR 1500m VIS 1600m	
C			
D	RVR 1500m VIS 1600m	RVR 1800m VIS 2000m	

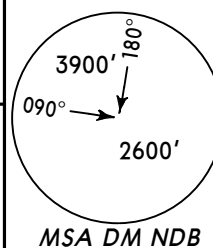
CHANGES: Procedure.

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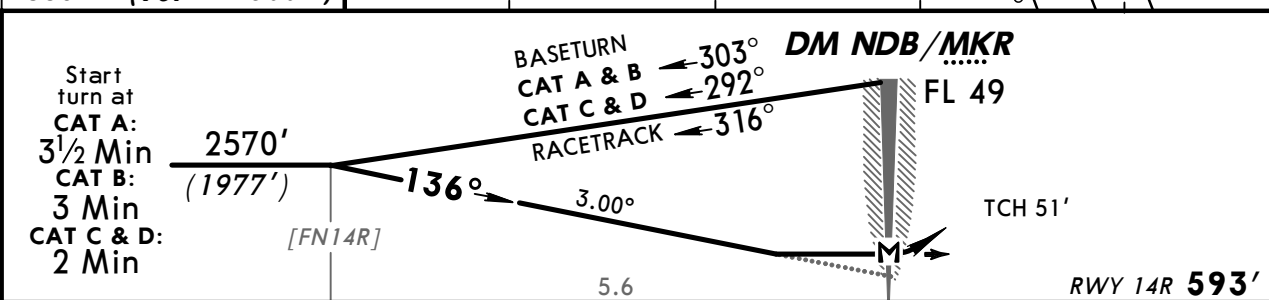
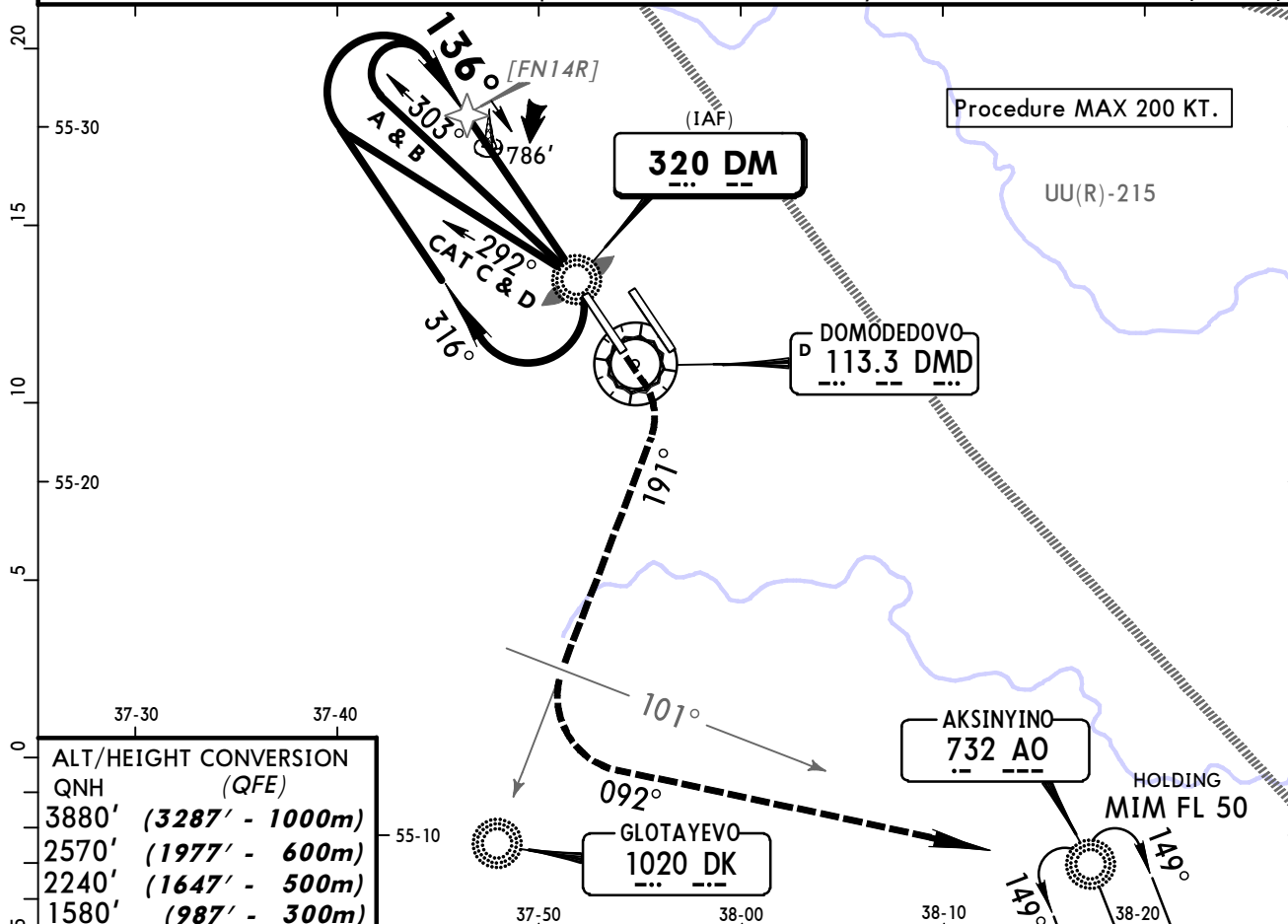


ATIS 128.3 (Russian 122.95)	DOMODEDOVO Approach 120.6	DOMODEDOVO Radar 127.7	DOMODEDOVO Tower 1 118.6	Ground 119.0 123.75
NDB DM 320	Final Apch Crs 136°	No FAF	MDA(H) 1380' (787')	Apt Elev 593' RWY 593'

MISSED APCH: Climb STRAIGHT AHEAD to 1580' (987'), then turn RIGHT to 191°, proceed to DK NDB climbing to 2240' (1647') at 101° AO NDB, then turn LEFT onto 092° continue climb to 2570' (1977') to AO NDB, or as directed.



Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3880' (3287')

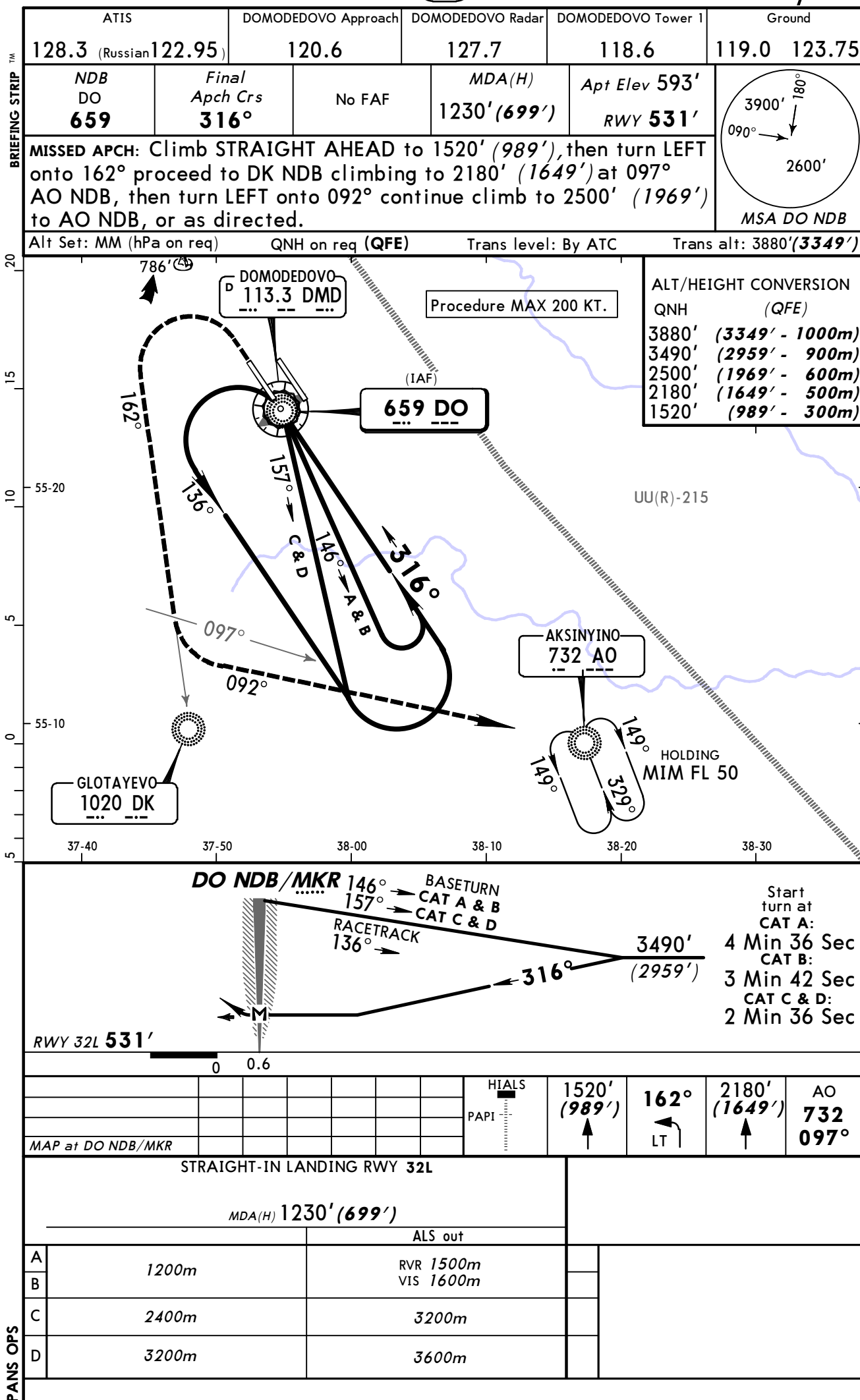


Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	1580' (987')	191°	2240' (1647')	AO 732
Descent Angle 3.00°	372	478	531	637	743	849	PAPI	↑	RT	↑	101°
MAP at DM NDB/MKR											

STRAIGHT-IN LANDING RWY 14R

MDA(H) 1380' (787')

	ALS out	
A	1200m	RVR 1500m VIS 1600m
B		RVR 1800m VIS 2000m
C	2800m	3600m
D	3600m	4000m



MOSCOW, (DOMODEDOVO - UDD)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UDD