

STANDARD DEPARTURE CHART INSTRUMENT (SID) - ICAO

**TRANSITION
ALTITUDE: 10000'**

MOSCOW, RUSSIA
VNUKOV
RWY 16

39-10	39-20	VNUKHO TOWER	118.300
		VNUKHO DEPARTURE	135.175
775'		MOSCOW DEPARTURE	118.950 118.550 130.375 124.200

FL190 IAS 500km/h OJ.MAN

MOLZI
FL170
IAS 500km/h
29.8
MUNIC

KOGOM
FL190
AS 500km/h

BNP1
E 45°
Klyozum

ПОСТА ВІС ВІДОМІ ВІС НІЧІ ВІС
IAS 500km/h

BESIA 1C, KOGUM 1C, NIGLI 1C,
OLMUN 1C, REMLI 1C

**Metres
(QFE)
(2855)**

RNAV 1

DME/DME or GNSS is required

(2555)
(2250)
(1945)
(1640)

WARNING
The minimum climb gradients are as follows

If unable to maintain the published minimum climb gradient, inform ATC unit.
(815)
(required due to the airspace structure only):
- 3.4% up to 5000' for all SID.

**See all Prohibited and
Restricted areas on page
AD 2.1 UUWW-56.**

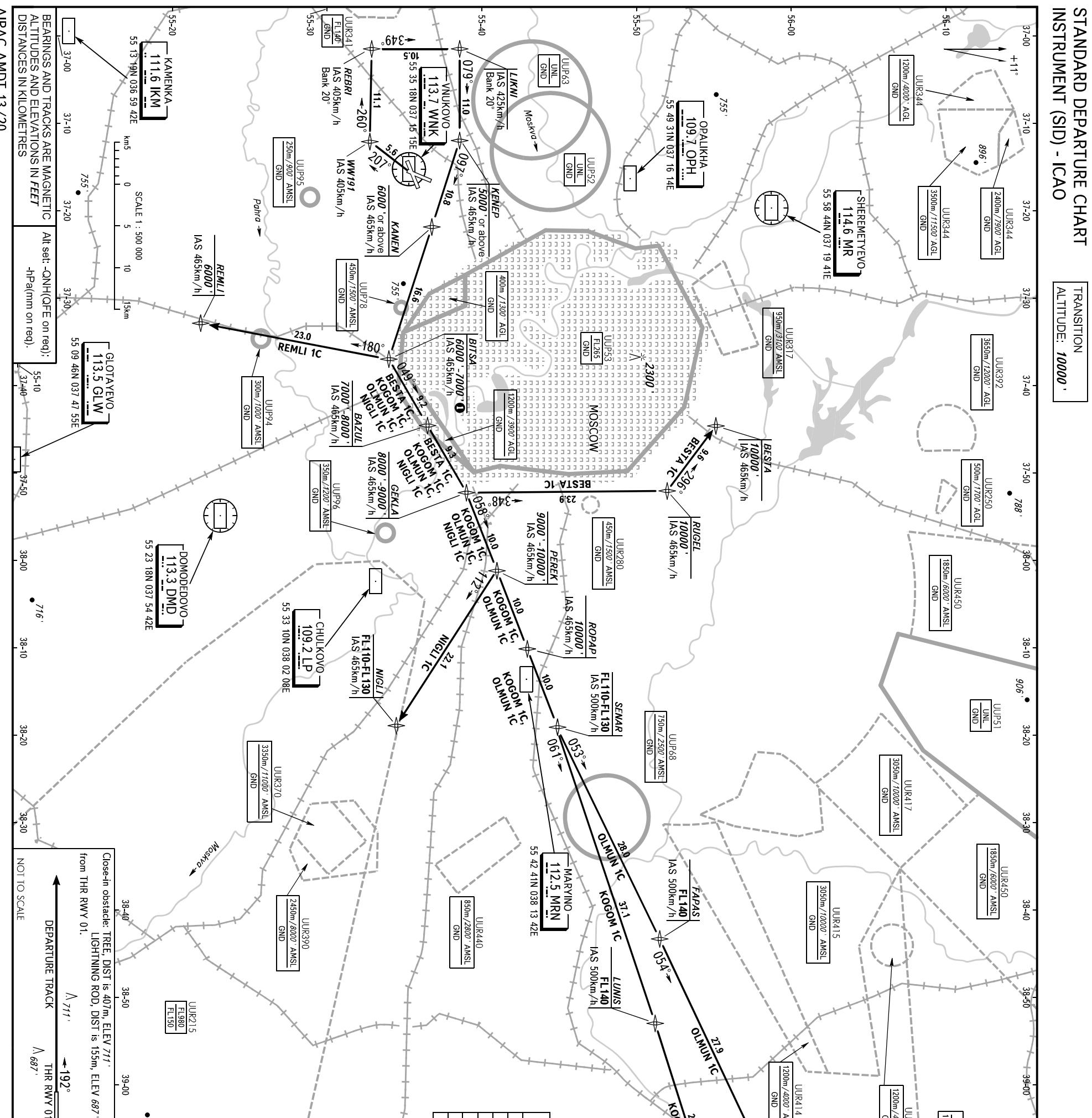
55-30

۱۴۲۰۱۶

FL980
GND

UUR219
UUR218
F1980

39-10 39-20 39-30 39-40 39-50 55-10
FL 980 FL 100 GND 40-00



**STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO**
**TRANSITION
ALTITUDE: 10000'**
**MOSCOW, RUSSIA
VNUKHOVO
RNAV RWY 06**
AIRAC AMDT 13/20
**VNUKHOVO TOWER
VNUKHOVO DEPARTURE
MOSCOW DEPARTURE
118.950 118.550 130.375 124.200**
**PZ - 90.11 coordinates
39-40 39-40 39-50 40-00**
**UUR250
500m/11700' AGL
1850m/6000' AMSL**
**UUR450
1850m/6000' AMSL
1850m/6000' AMSL**
**UUR288
1200m/4000' AMSL
1200m/4000' AMSL**
**UUR417
3050m/10000' AMSL
3050m/10000' AMSL**
**UUR415
3050m/10000' AMSL
3050m/10000' AMSL**
**UUR414
1200m/4000' AMSL
1200m/4000' AMSL**
**FL170
IAS 500km/h
FL170
IAS 500km/h**
**FL140
IAS 500km/h
FL140
IAS 500km/h**
**BESTA 1B, KOGOM 1B, NIGLI 1B,
OLMUN 1B, REMLI 1B**
**RNAV 1
DME/DME or GNSS is required**
**① 4500' or above - for SID REMLI 1B:
② 9000' -10000' - for SID NIGLI 1B.**
****WARNING**
The minimum climb gradients are as follows
(required due to the airspace structure only):
- 7.0% up to 6000' for SID BESTA 1B, NIGLI 1B, OLMUN 1B, KOGOM 1B;
- 5.8% up to 4500' for SID REMLI 1B.**
If unable to maintain the published minimum climb gradient, inform ATC unit.
**See all Prohibited and
Restricted areas on page
AD 2.1 UUWW-56.**
CHANGE: New chart
**BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FEET
DISTANCES IN KILOMETRES**
**km5 0 5 10
15km**
**REMLI 1B
IAS 465km/h
23.0**
**VNUKHOVO
113.3 WNK
IAS 465km/h
250m/900' AMSL**
**REMLI 1B
IAS 465km/h
300m/1000' AMSL**
**REMLI 1B
IAS 465km/h
3350m/11000' AMSL**

STANDARD DEPARTURE CHARACTERISTICS INSTRUMENT (SID) - ICAO

**TRANSITION
ALTITUDE: 10000'**

MOSCOW, RUSSIA
VNUKOV
RWY RWY 2/

VNUKHOV TOWER VNUKHOV DEPARTURE	118.300 135.175
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MOSCOW DEPARTURE 118.950 118.550 130.375 124.200
 PZ - 90.11 coordinates
 39-50 39-40 39-50 40-00
 56-10

OLMUN
FL190
IAS 500km/h
3300'

MSA
46km from ARP

KOGOM
FL190
IAS 500km/h
56-00

Klyozum
Klyozum

דְּבָרָא יְהוָה יְכוֹנֵן יְהוָה יְהוָה

BESIA 1D, KUGUM 1D, NIGLI 1D,
OLMUN 1D, REMLI 1D

GNSS is required

or SID KOGOM 1D, NIGLI 1D, OLMUN 1D;
or SID KOGOM 1D, NIGLI 1D, OLMUN 1D;
or SID KOGOM 1D, NIGLI 1D, OLMUN 1D;

climb gradients are as follows
to the air space structure only):
2000' ... " 5%
or SID REMI 1D.

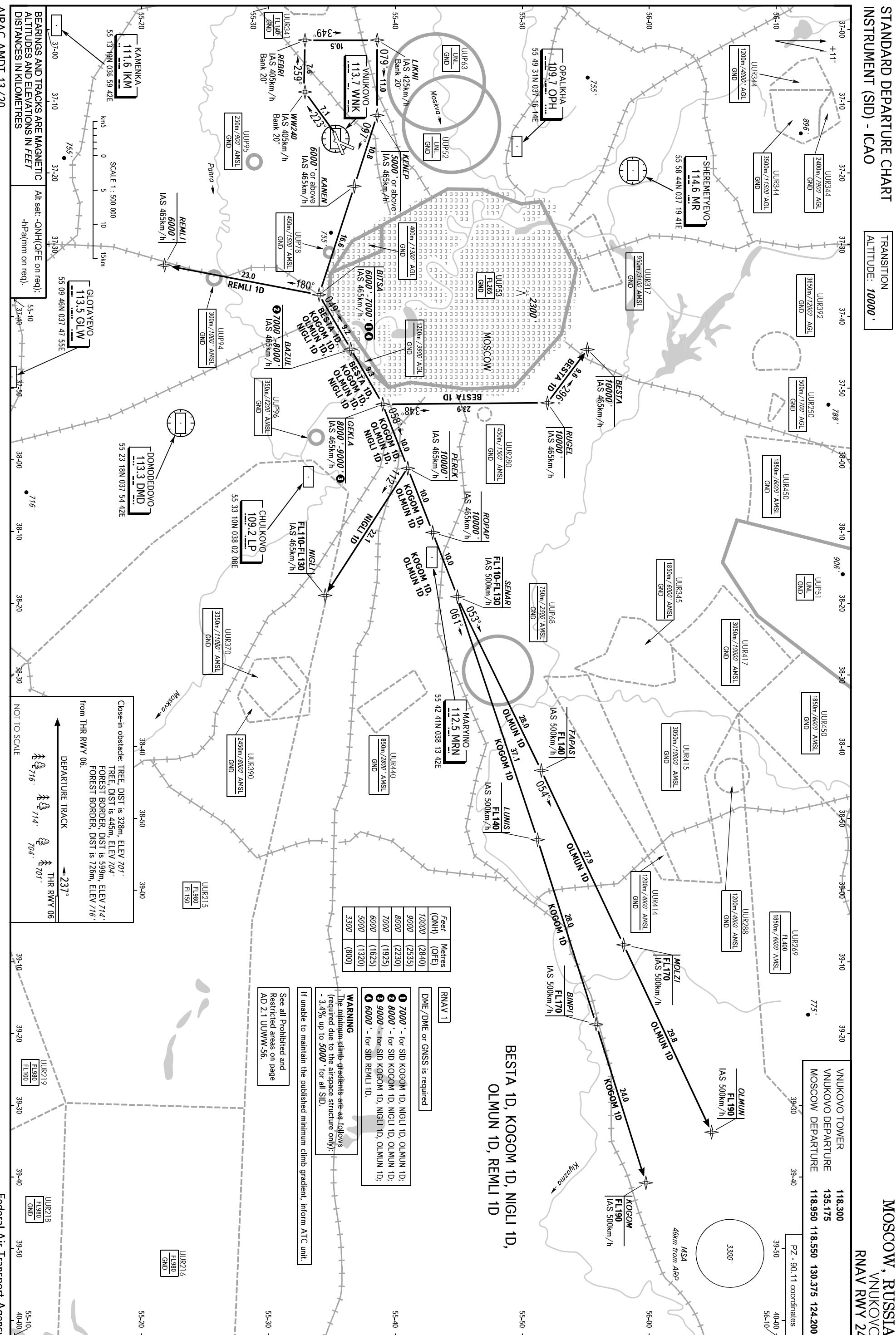
aintain the published minimum climb gradient, inform ATC unit.

as on page
N-56.

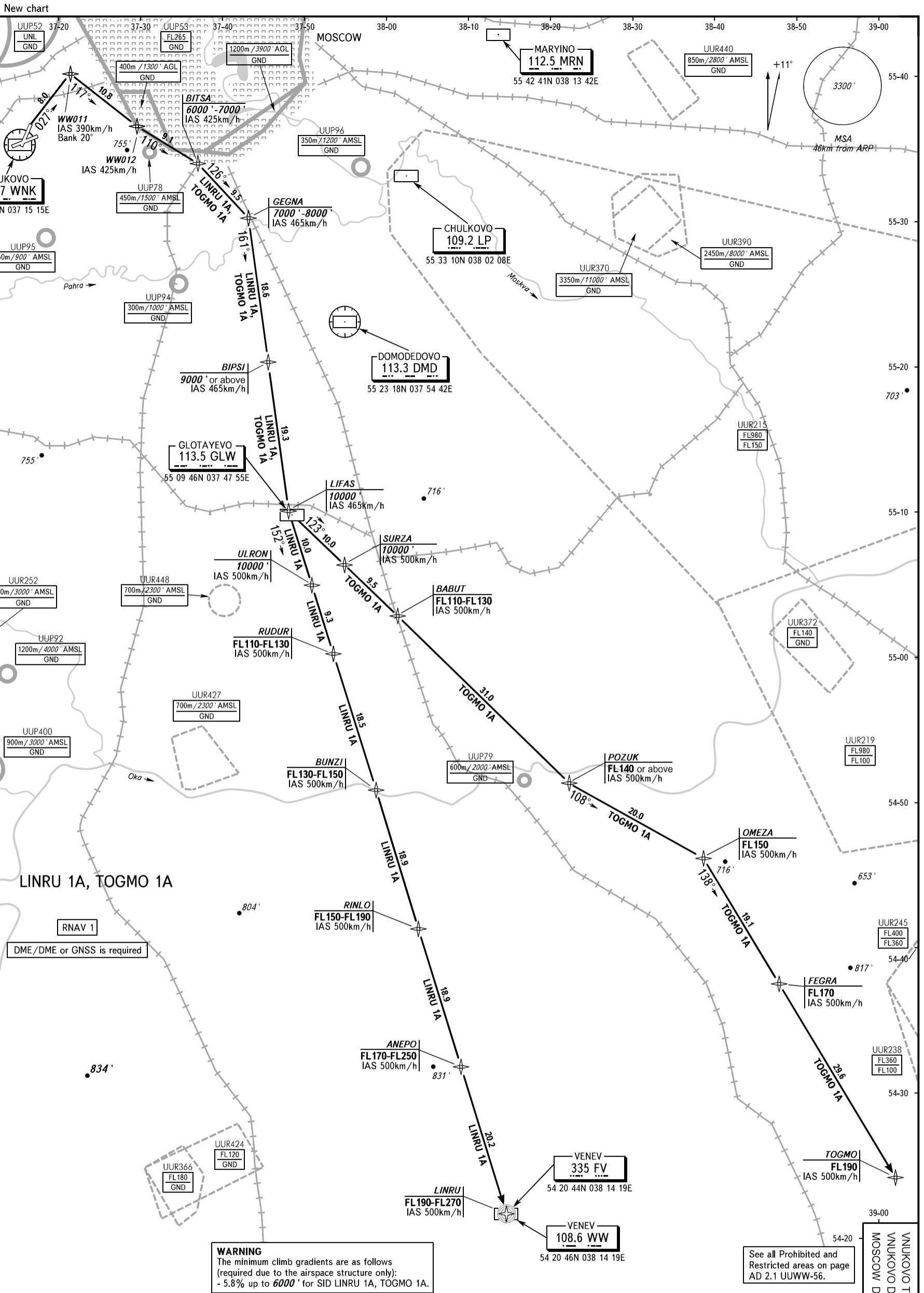
UJ(R2)6

F-1980
GND

UJR219
UJR218
EI 1800

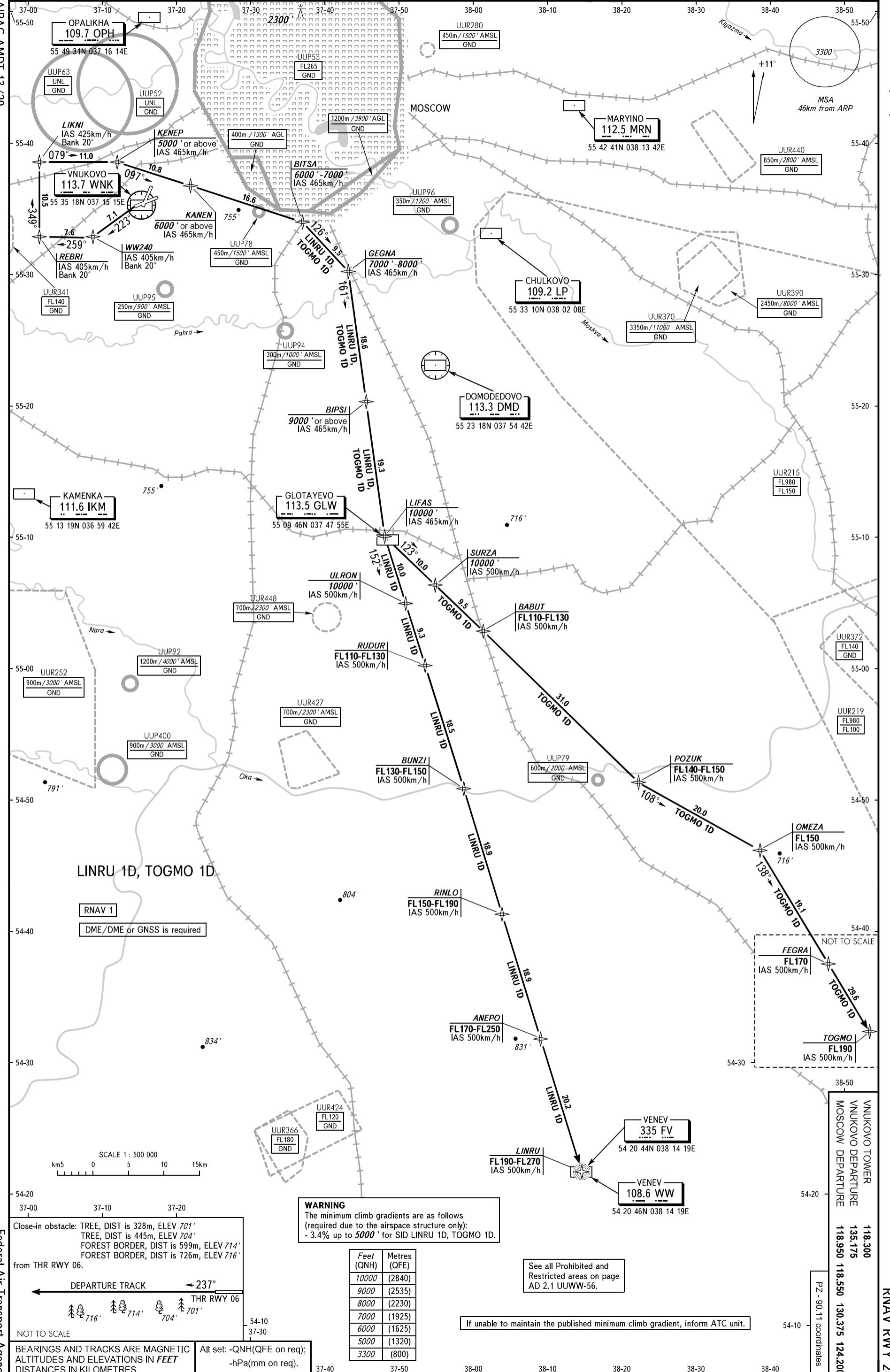


**STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO**
**TRANSITION
ALTITUDE: 10000'**
**VNUKHOVO
TOWER
VNUKHOVO
DEPARTURE
MOSCOW
DEPARTURE**
**MOSCOW, RUSSIA
VNUKHOVO
RNAV RWY 01**
**118.300
135.175
118.950 118.550 130.375 124.200**

PZ - 90.11 coordinates
**See all Prohibited and
Restricted areas on page
AD 2.1 UUWW-56.**


STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAOTRANSITION
ALTITUDE: 10000'MOSCOW, RUSSIA
VNUKOVY TOWER
VNUKOVY DEPARTURE
MOSCOW DEPARTURE
RNAV RWY 24

PZ - 90.11 coordinates



**STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO**

TRANSITION
ALTITUDE: 10000'

VNIUKOVO
VNIUKOVO TOWER
VNIUKOVO DEPARTURE
MOSCOW DEPARTURE

118.300
135.175
118.950 118.550 130.375 124.200

MOSCOW, RUSSIA
VNIUKOVO
RNAV RWY 01
NOT TO SCALE

37-30 PZ - 90.11 coordinates

BEARINGS AND TRACKS ARE MAGNETIC
ALTITUDES AND ELEVATIONS IN FEET
DISTANCES IN KILOMETRES

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

SCALE 1 : 500 000

km5 0 5 10 15km

36-50 36-40 36-30 36-20 36-10 36-00 35-50

54-40 54-30 54-20 54-10 54-00

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

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36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

54-40 54-30 54-20 54-10 54-00

37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

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37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

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37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

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56-10 56-00 55-50 55-40 55-30 55-20 55-10 55-00

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37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

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37-10 37-20 37-30

36-50 36-40 36-30 36-20 36-10 36-00 35-50

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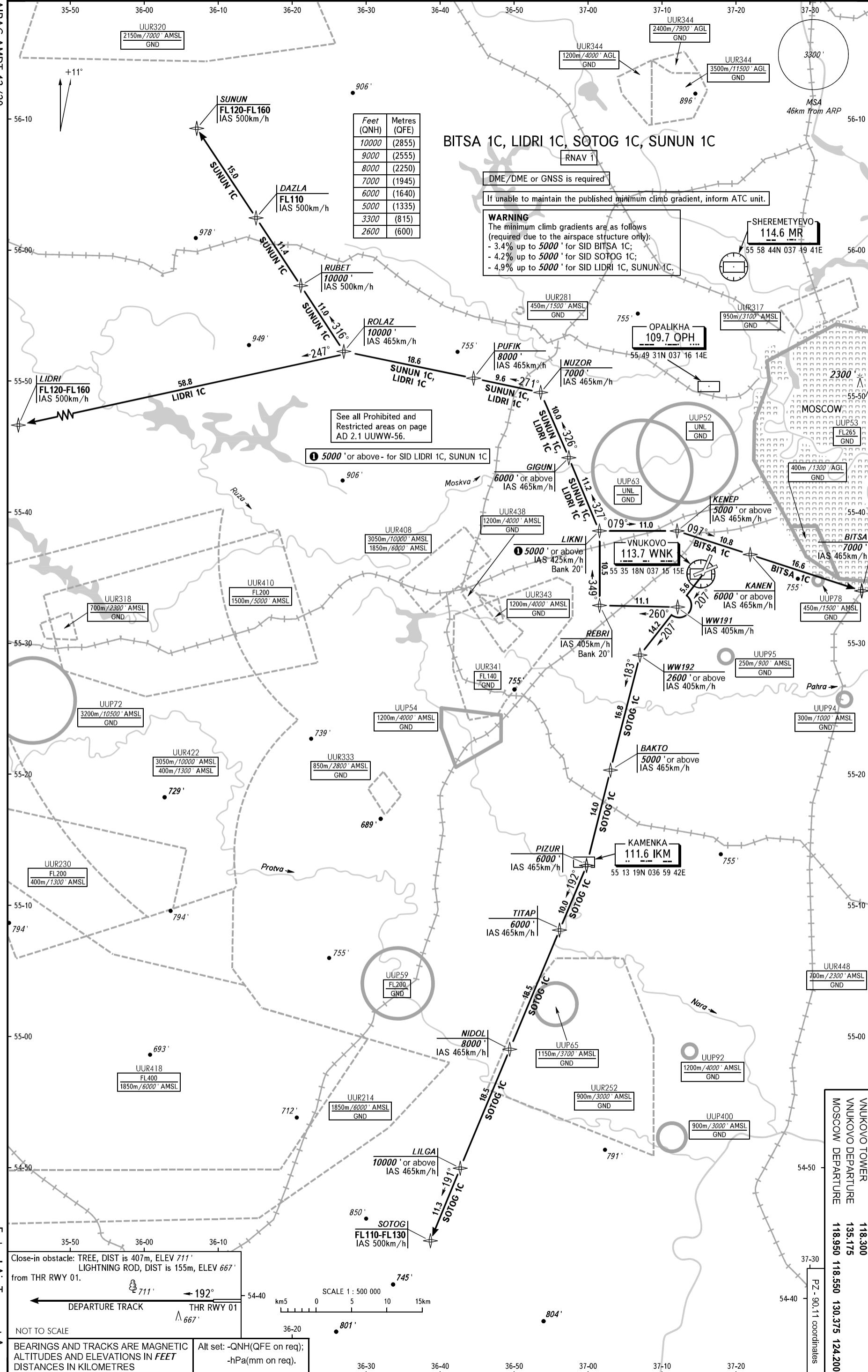
**STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO**

**TRANSITION
ALTITUDE: *10000'***

M

W, R
VN

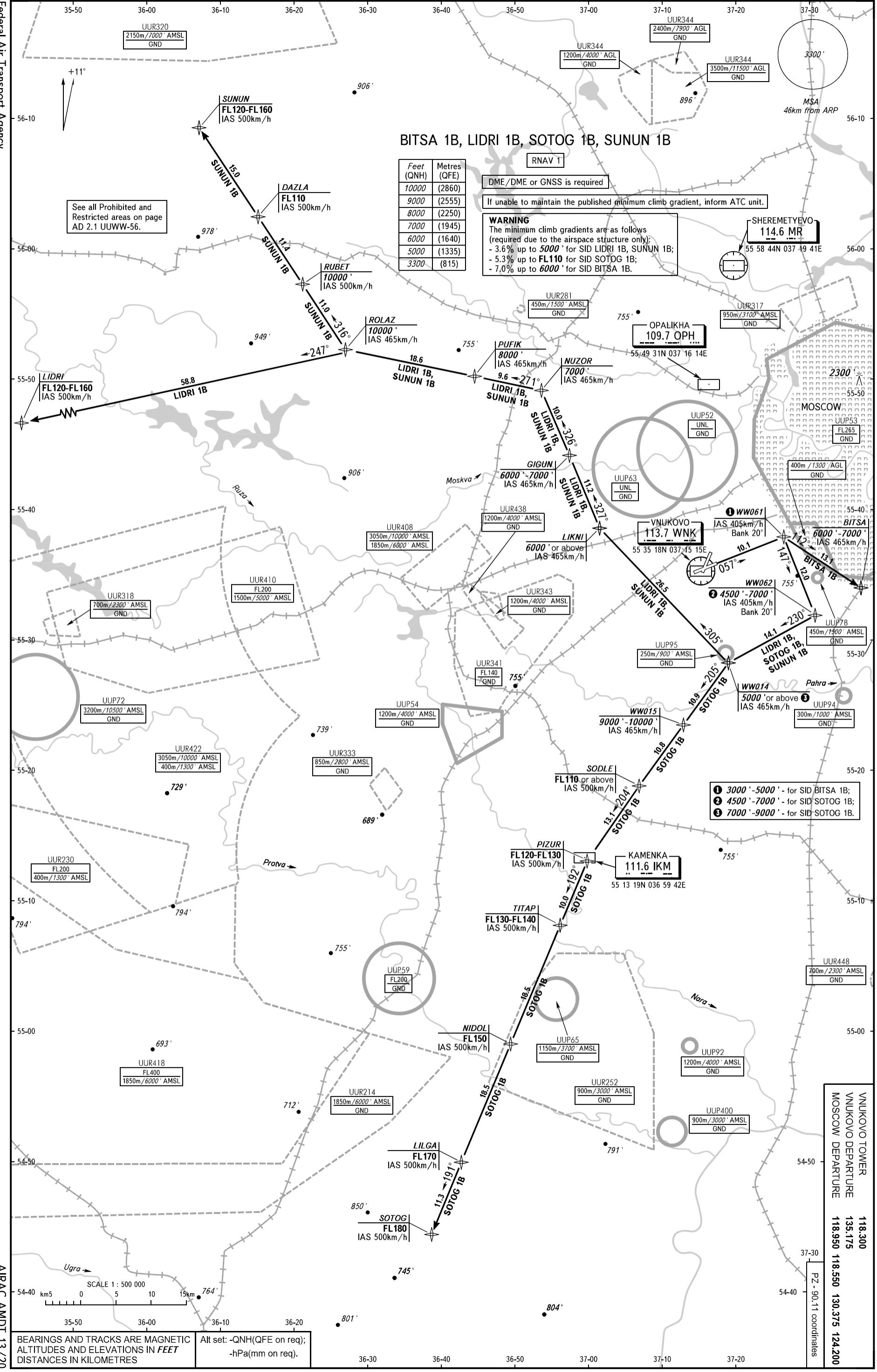
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STANDARD DEPARTURE CHARACTERISTICS INSTRUMENT (SID) - ICAO

**TRANSITION
ALTITUDE: 10000'**

MOSCOW, RUSSIA
VNIKOVKO
RNAV RWY 06



**STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO**

**TRANSITION
ALTITUDE: *10000'***

MOSCOW, RUSSIA
VNUKOV
RNAV RWY 2

