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Airport Information For USCM

Terminal Charts For USCM

Revision Letter For Cycle 09-2019

Change Notices

Notebook

General Information

Location: MAGNITOGORSK RUS
ICAO/IATA: USCM / MQF
Lat/Long: N53° 23.6', E058° 45.3'
Elevation: 1430 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -5:00 = UTC
Magnetic Variation: 12.0° E

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

Sunrise: 0014 Z
Sunset: 1548 Z

Runway Information

Runway: 18
Length x Width: 10663 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 1394 ft
Lighting: Edge, ALS

Runway: 36
Length x Width: 10663 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 1430 ft
Lighting: Edge, ALS

Communication Information

Magnitogorsk Tower: 120.800
Magnitogorsk Tower: 124.000 Secondary
Magnitogorsk Ground Handl Ramp/Taxi: 119.000
AWIS: 132.800
Magnitogorsk Transit Operations: 131.800

USCM/MQF MAGNITOGORSK

30 NOV 18
Eff 6 Dec

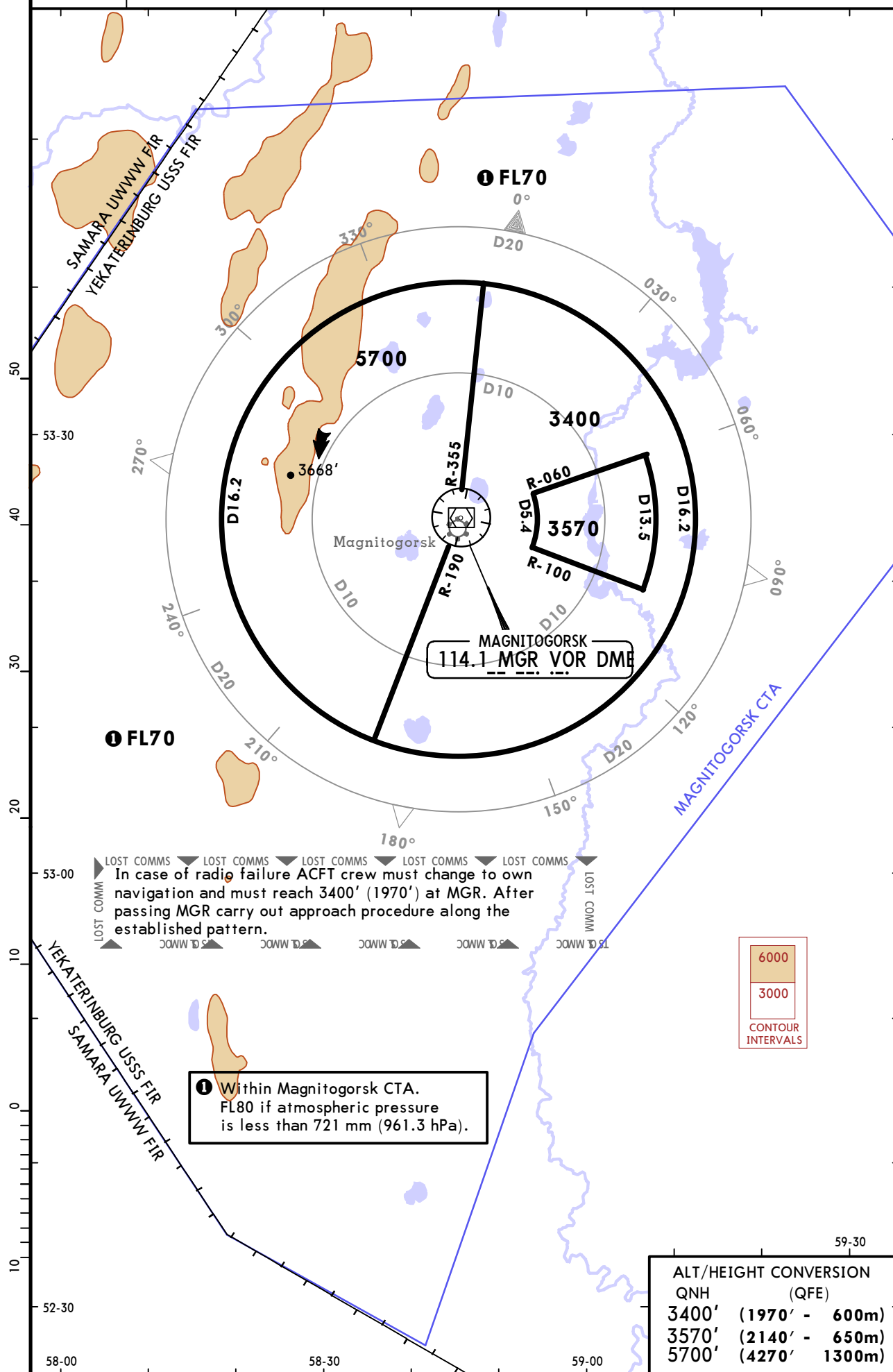
10-1R

MAGNITOGORSK, RUSSIA

RADAR MINIMUM ALTITUDES

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4270')
Minimum sector altitudes are given considering temperature corrections.



CHANGES: FIR boundary.

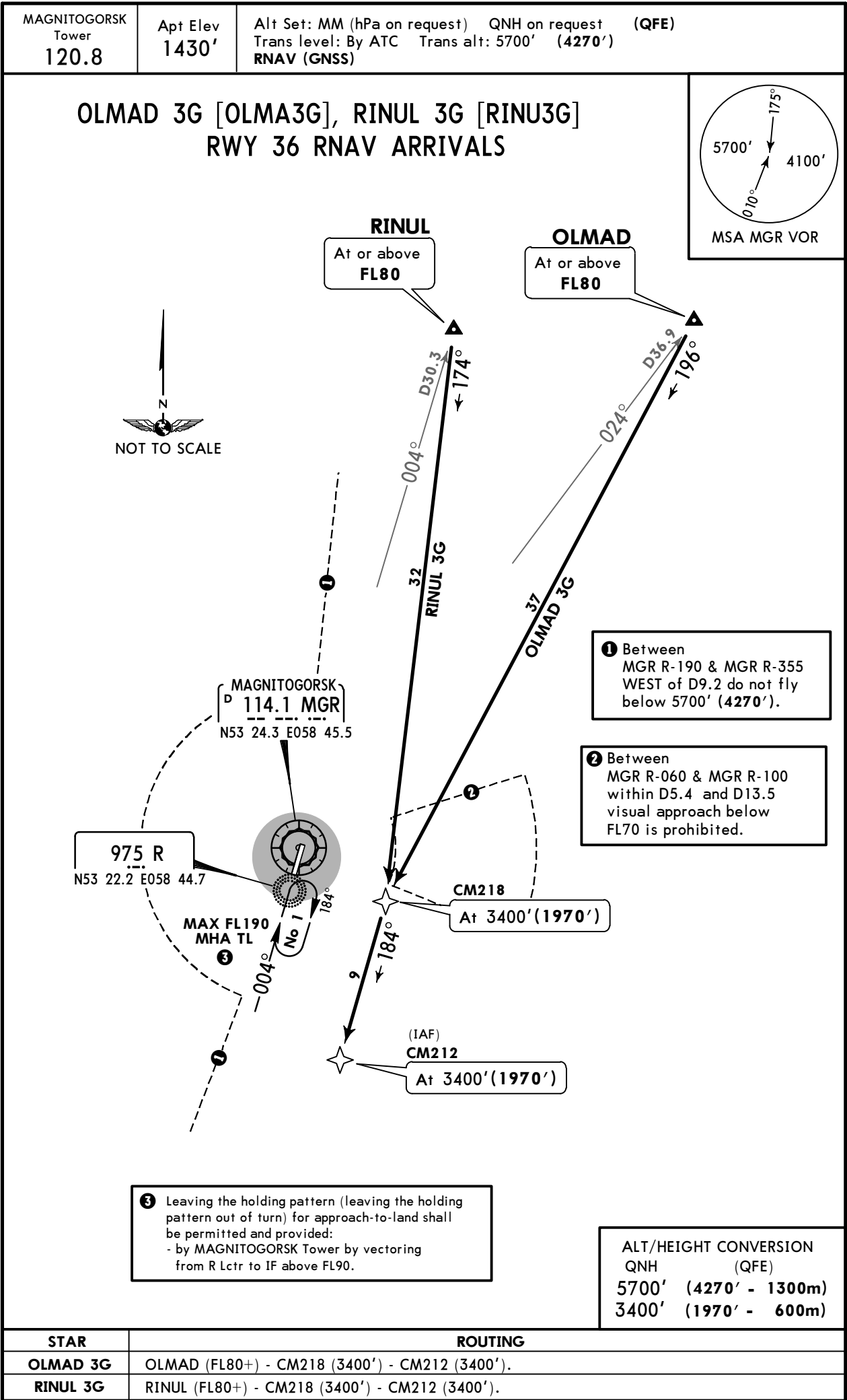
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JEPPesen
30 NOV 18 10-2 Eff 6 Dec

MAGNITOGORSK, RUSSIA

RNAV STAR

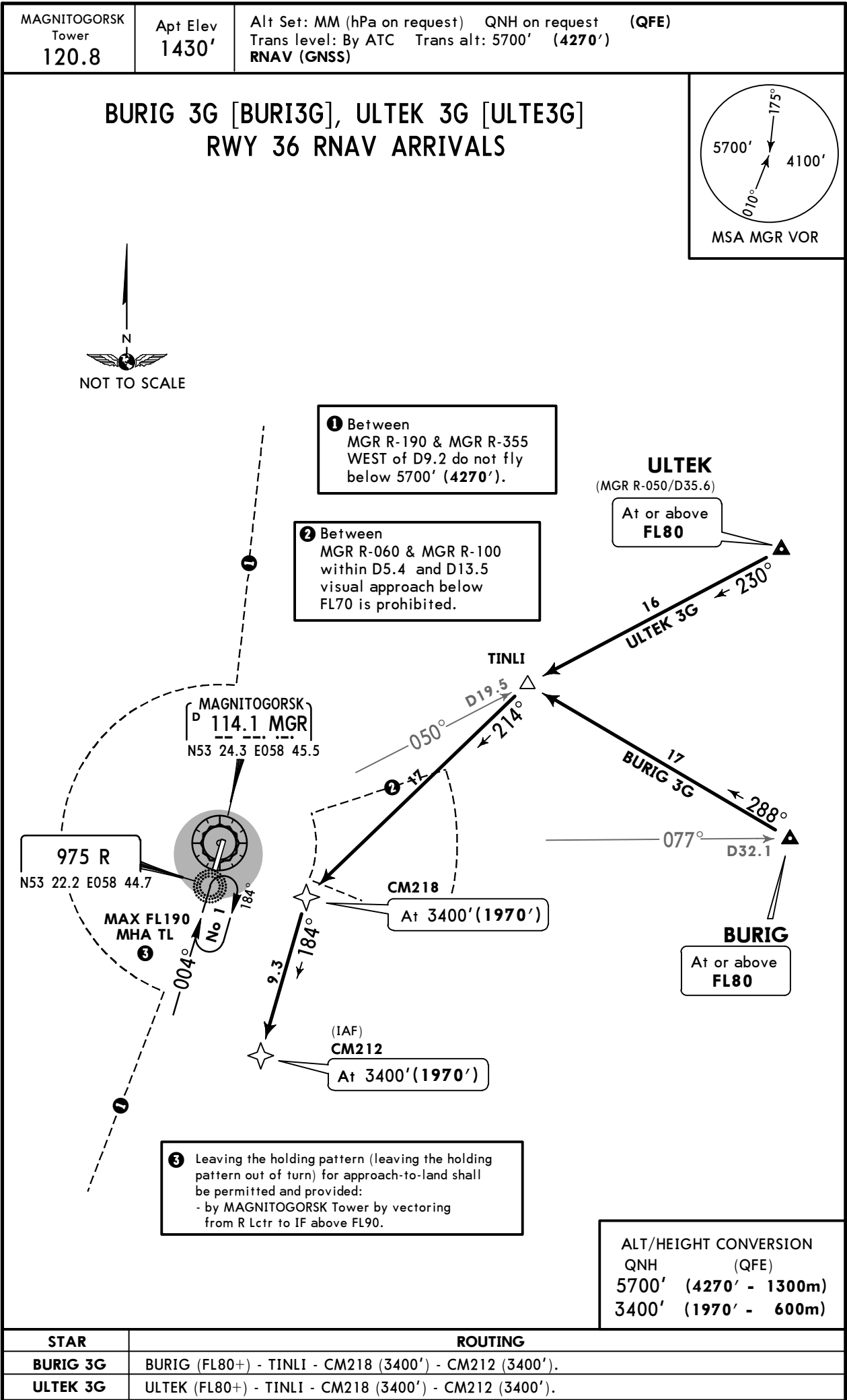


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MAGNITOGORSK

JEPPesen 30 NOV 18 10-2B Eff 6 Dec

MAGNITOGORSK, RUSSIA

RNAV STAR

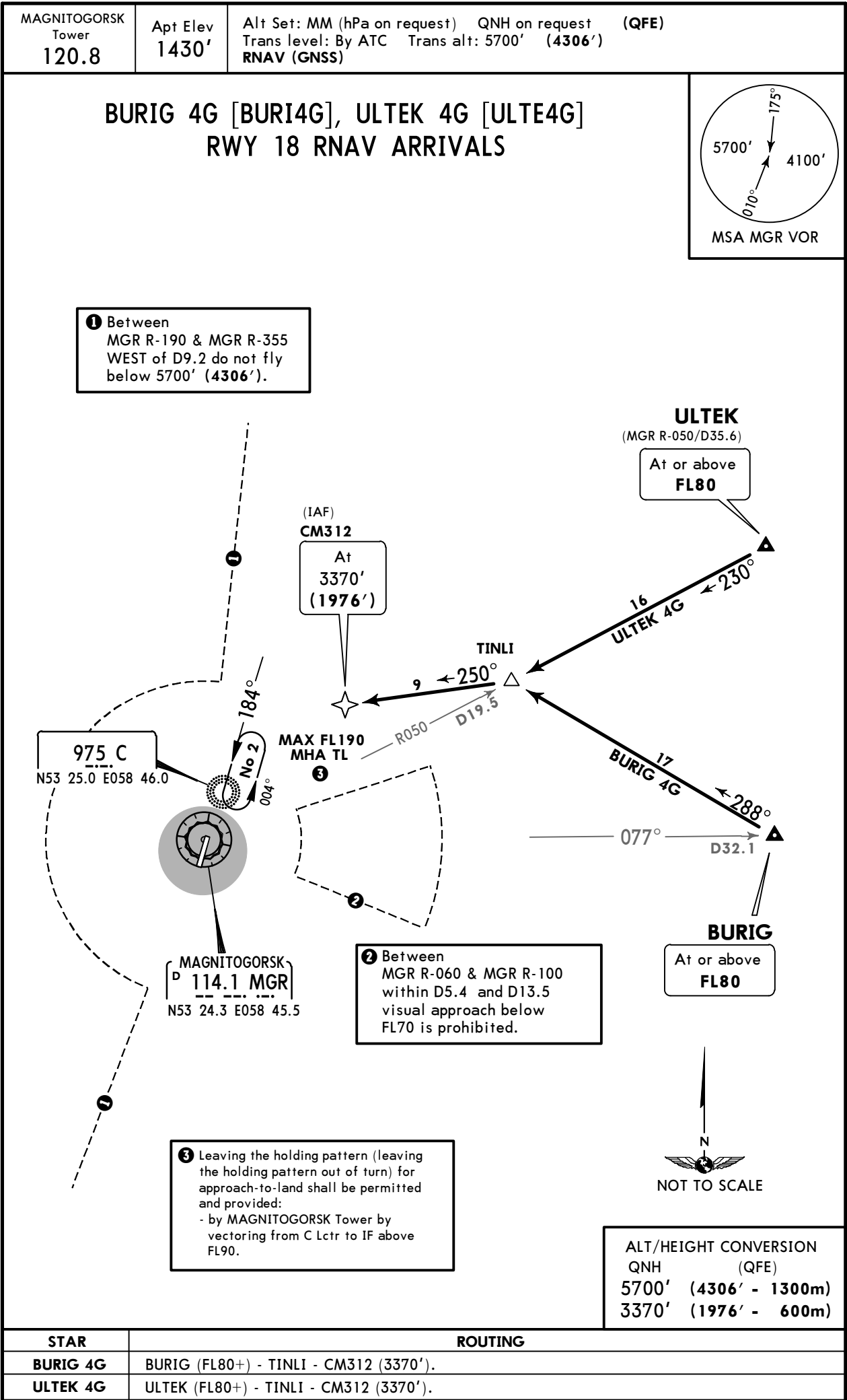


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MAGNITOGORSK

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MAGNITOGORSK, RUSSIA

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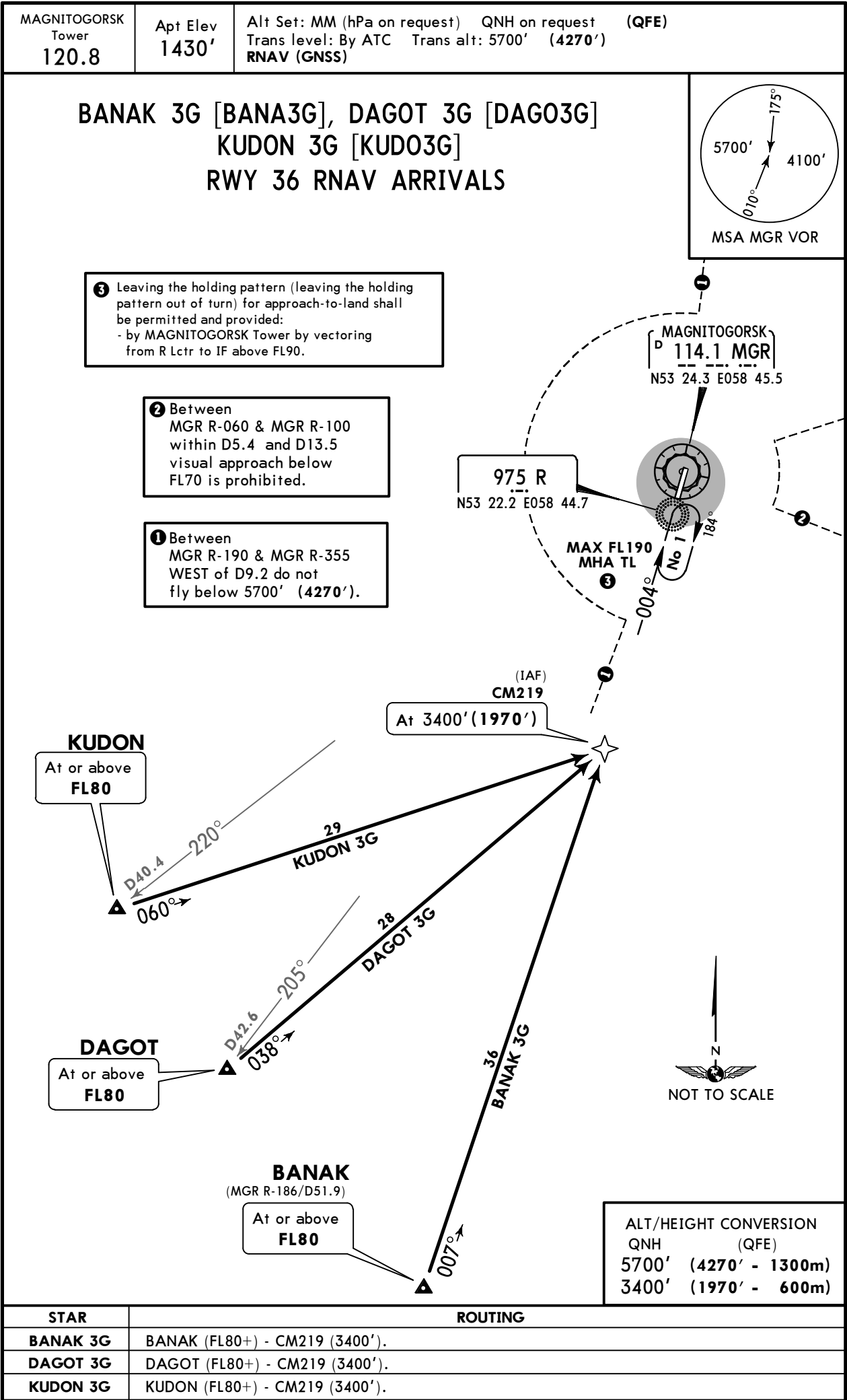


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MAGNITOGORSK

JEPPesen
30 NOV 18 10-2D Eff 6 Dec

MAGNITOGORSK, RUSSIA

RNAV STAR

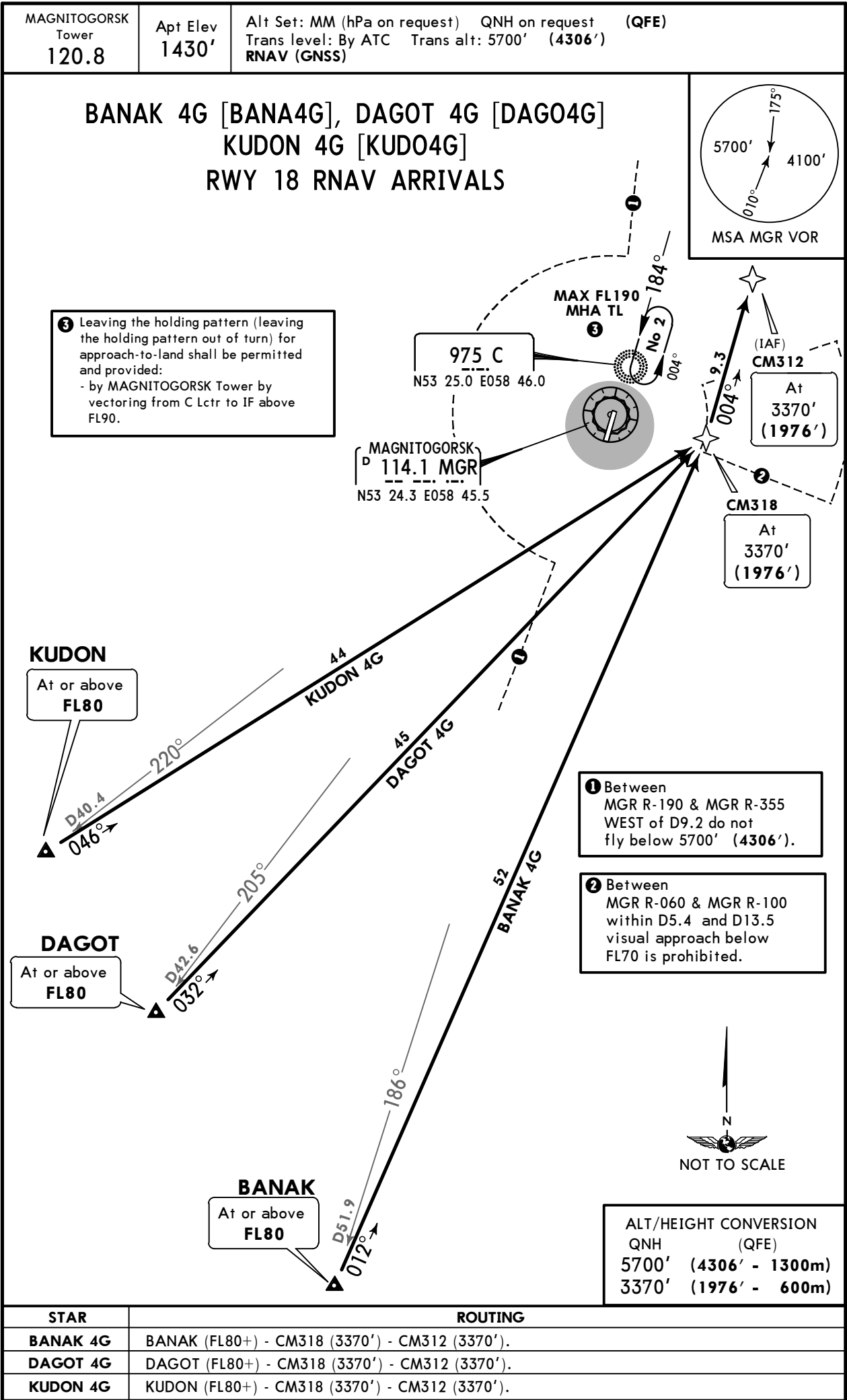


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MAGNITOGORSK

JEPPESSEN
30 NOV 18 10-2E Eff 6 Dec

MAGNITOGORSK, RUSSIA

RNAV STAR

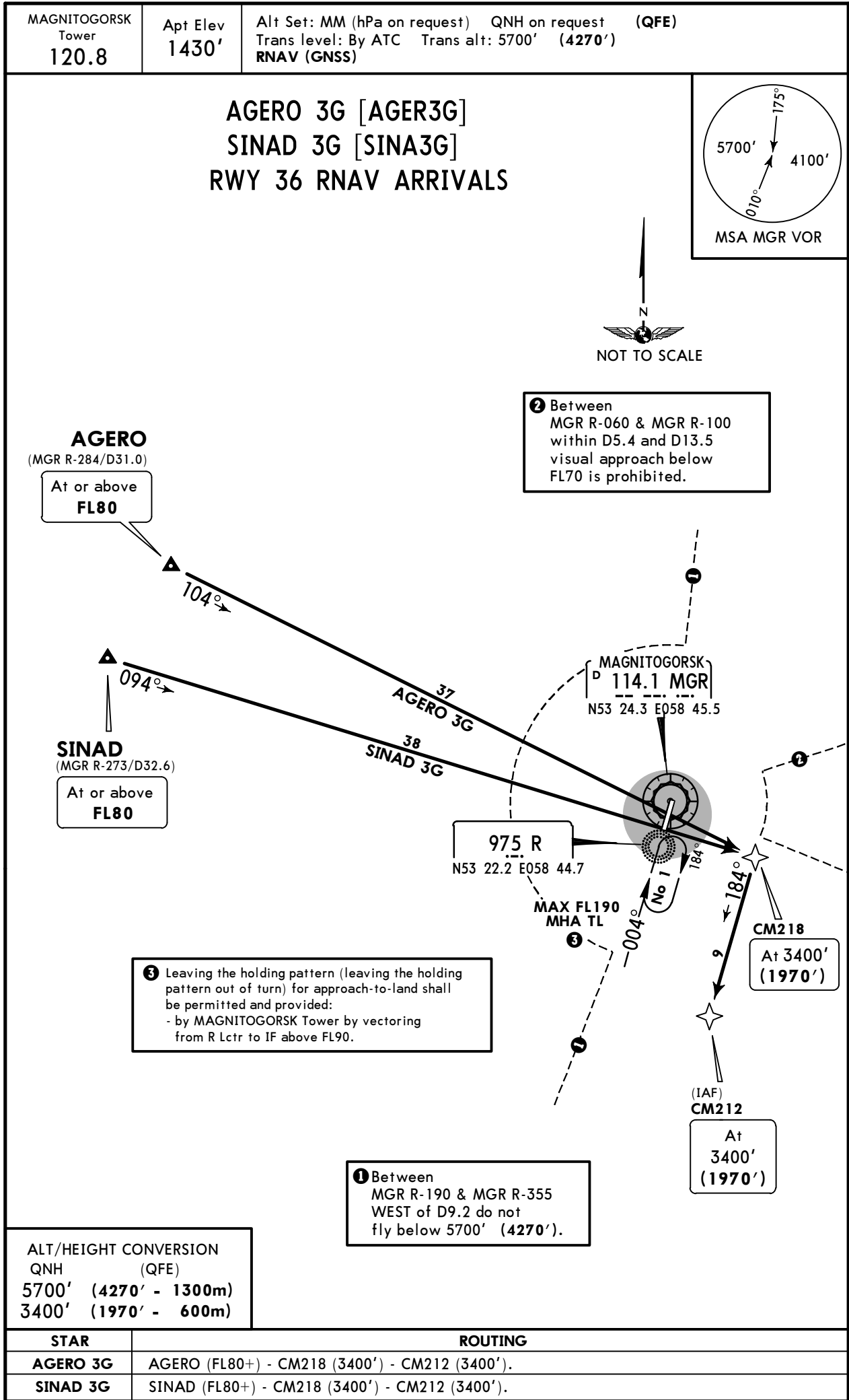


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MAGNITOGORSK

JEPPesen
30 NOV 18 10-2F Eff 6 Dec

MAGNITOGORSK, RUSSIA

RNAV STAR



USCM/MQF
MAGNITOGORSK

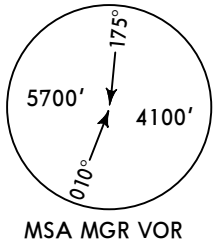
JEPPesen 30 NOV 18 10-2G Eff 6 Dec

MAGNITOGORSK, RUSSIA

RNAV STAR

MAGNITOGORSK Tower 120.8	Apt Elev 1430'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: By ATC Trans alt: 5700' (4306') RNAV (GNSS)
--------------------------------	-------------------	--

AGERO 4G [AGER4G]
SINAD 4G [SINA4G]
RWY 18 RNAV ARRIVALS



1 Between
MGR R-190 & MGR R-355
WEST of D9.2 do not
fly below 5700' (4306').

(IAF)
CM319
Between
4350' (2956')
&
3370' (1976')

AGERO
At or above
FL80

SINAD
At or above
FL80

3 Leaving the holding pattern (leaving
the holding pattern out of turn) for
approach-to-land shall be permitted
and provided:
- by MAGNITOGORSK Tower by
vectoring from C Lctr to IF above
FL90.

2 Between
MGR R-060 & MGR R-100
within D5.4 and D13.5
visual approach below
FL70 is prohibited.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5700'	(4306' - 1300m)
4350'	(2956' - 900m)
3370'	(1976' - 600m)

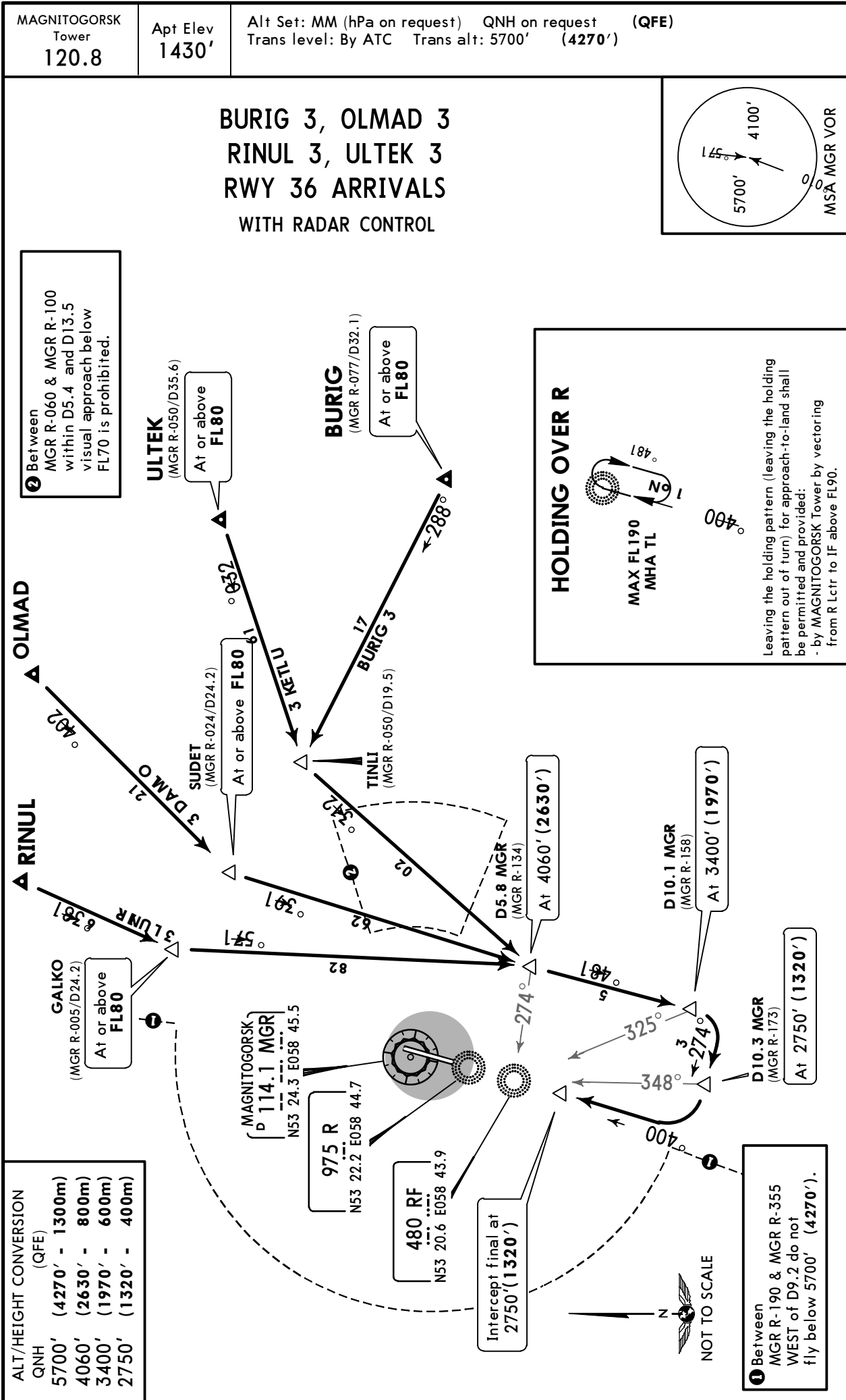
STAR	ROUTING
AGERO 4G	AGERO (FL80+) - CM319 (4350'-; 3370'+).
SINAD 4G	SINAD (FL80+) - CM319 (4350'-; 3370'+).

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MAGNITOGORSK

JEPPESSEN 30 NOV 18 10-2H Eff 6 Dec

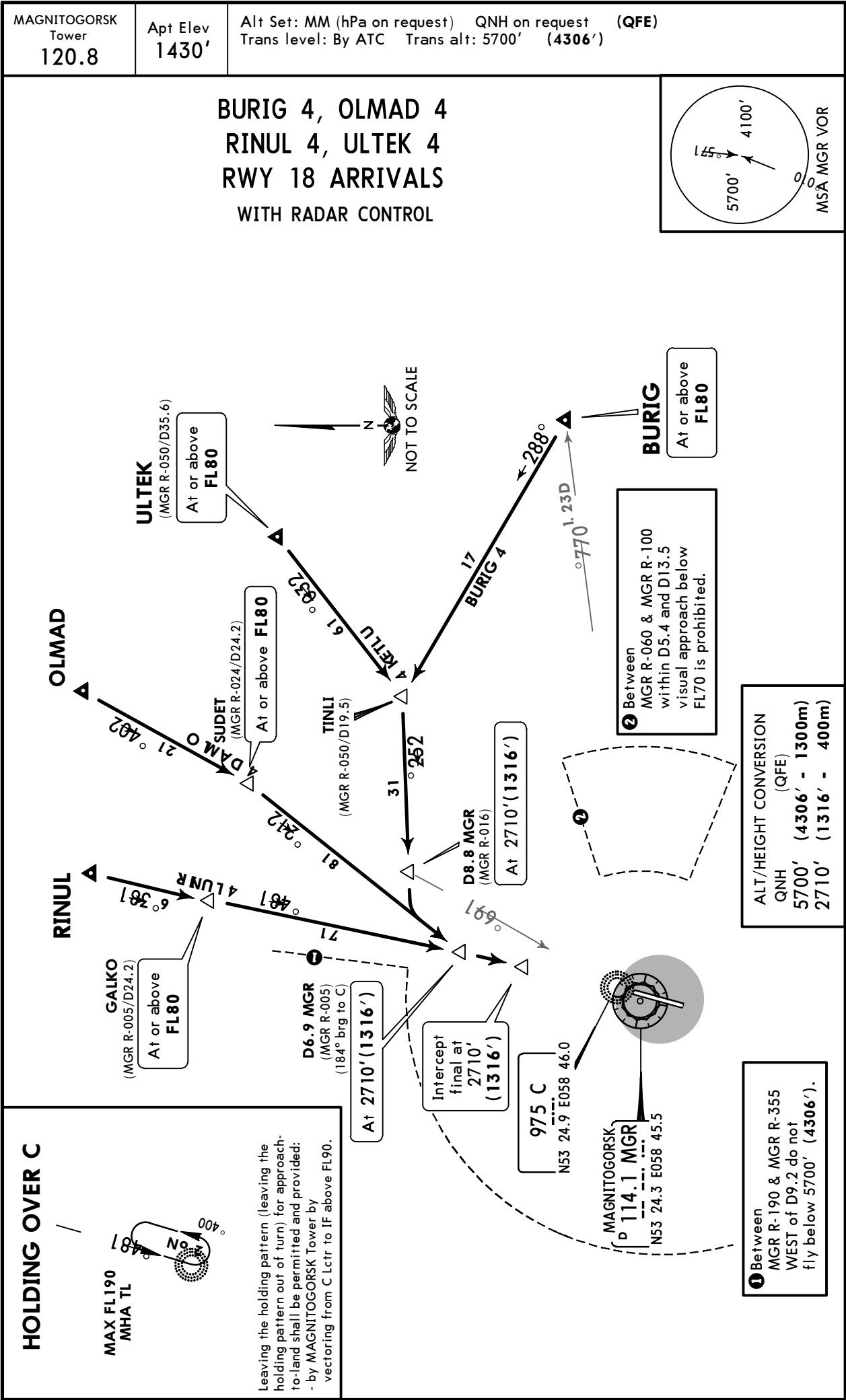
MAGNITOGORSK, RUSSIA

STAR



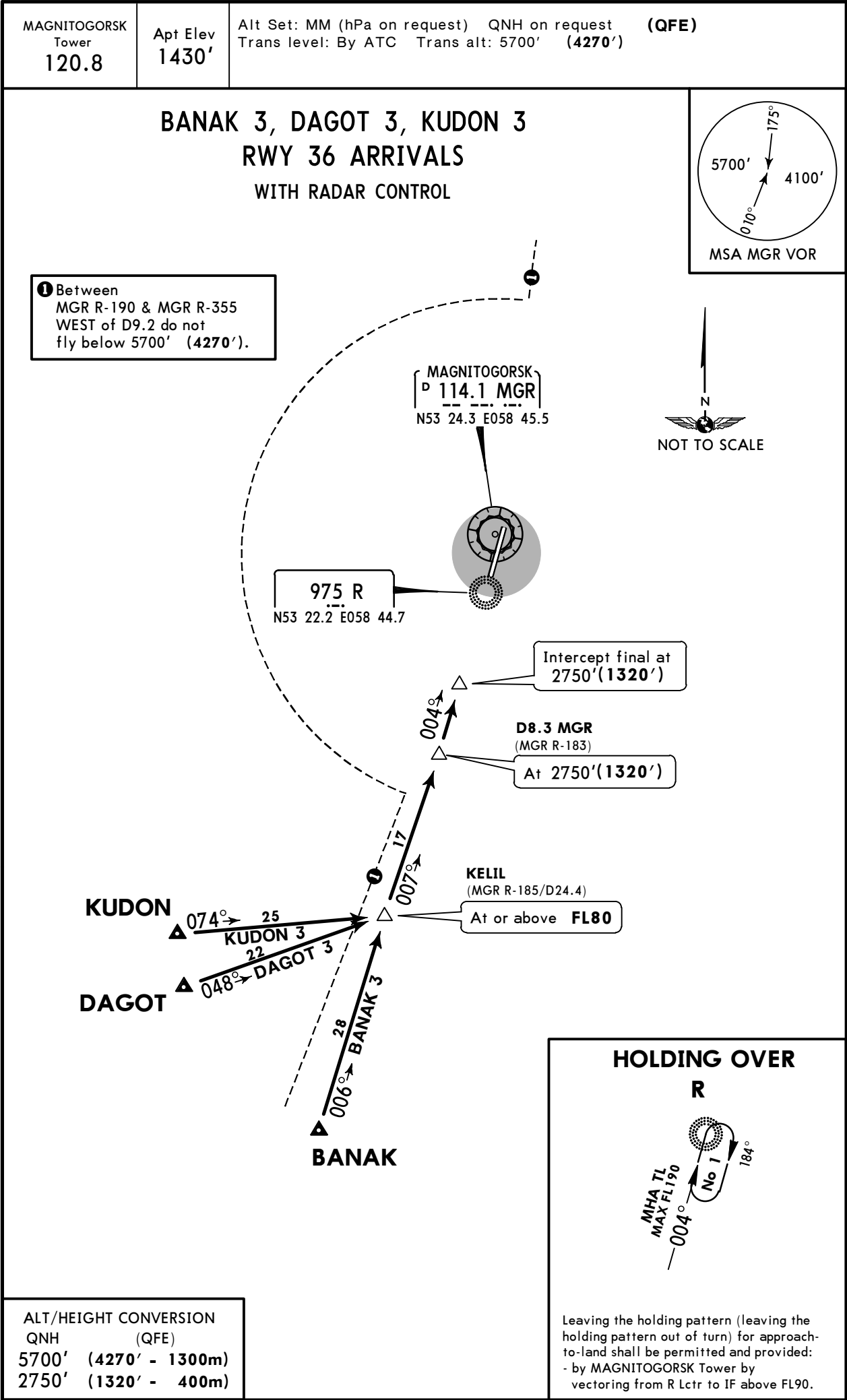
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30 NOV 18 10-2J Eff 6 Dec STAR



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MAGNITOGORSK

JEPPESEN MAGNITOGORSK, RUSSIA
30 NOV 18 10-2K Eff 6 Dec STAR



5700' (4306' - 1300m)
3370' (1976' - 600m)
2710' (1316' - 400m)

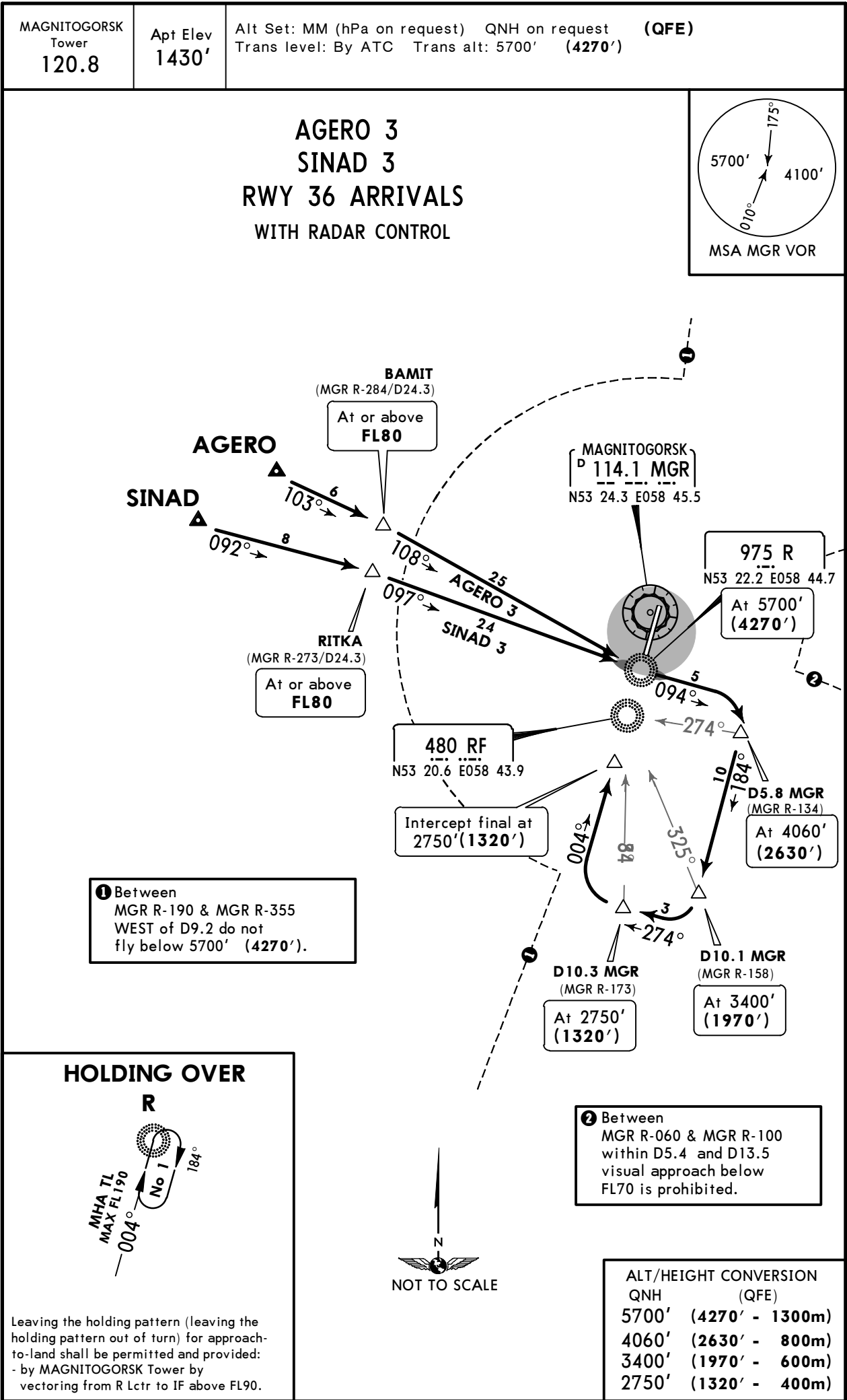
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JEPPesen
30 NOV 18 (10-2M) Eff 6 Dec

MAGNITOGORSK, RUSSIA

STAR

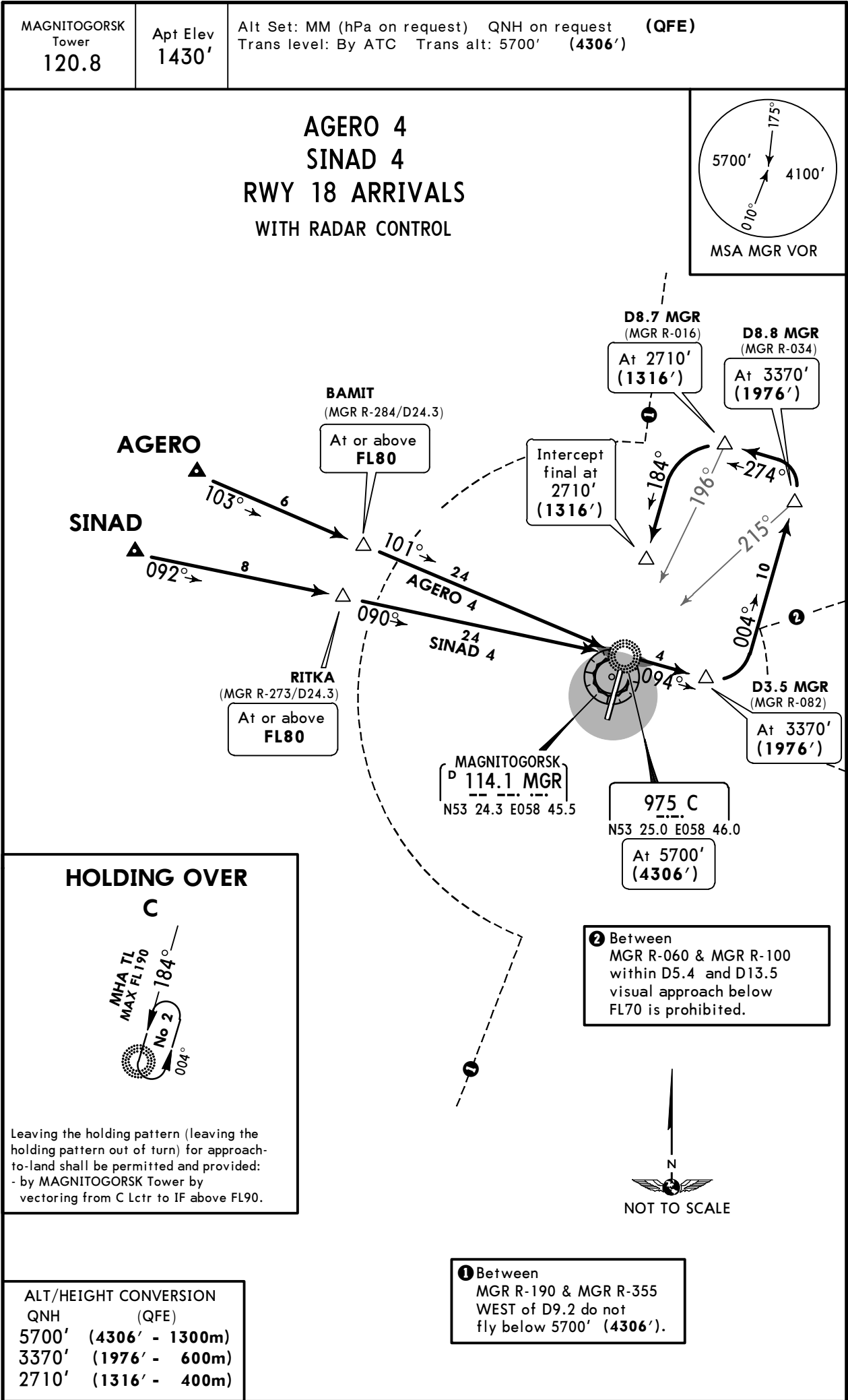


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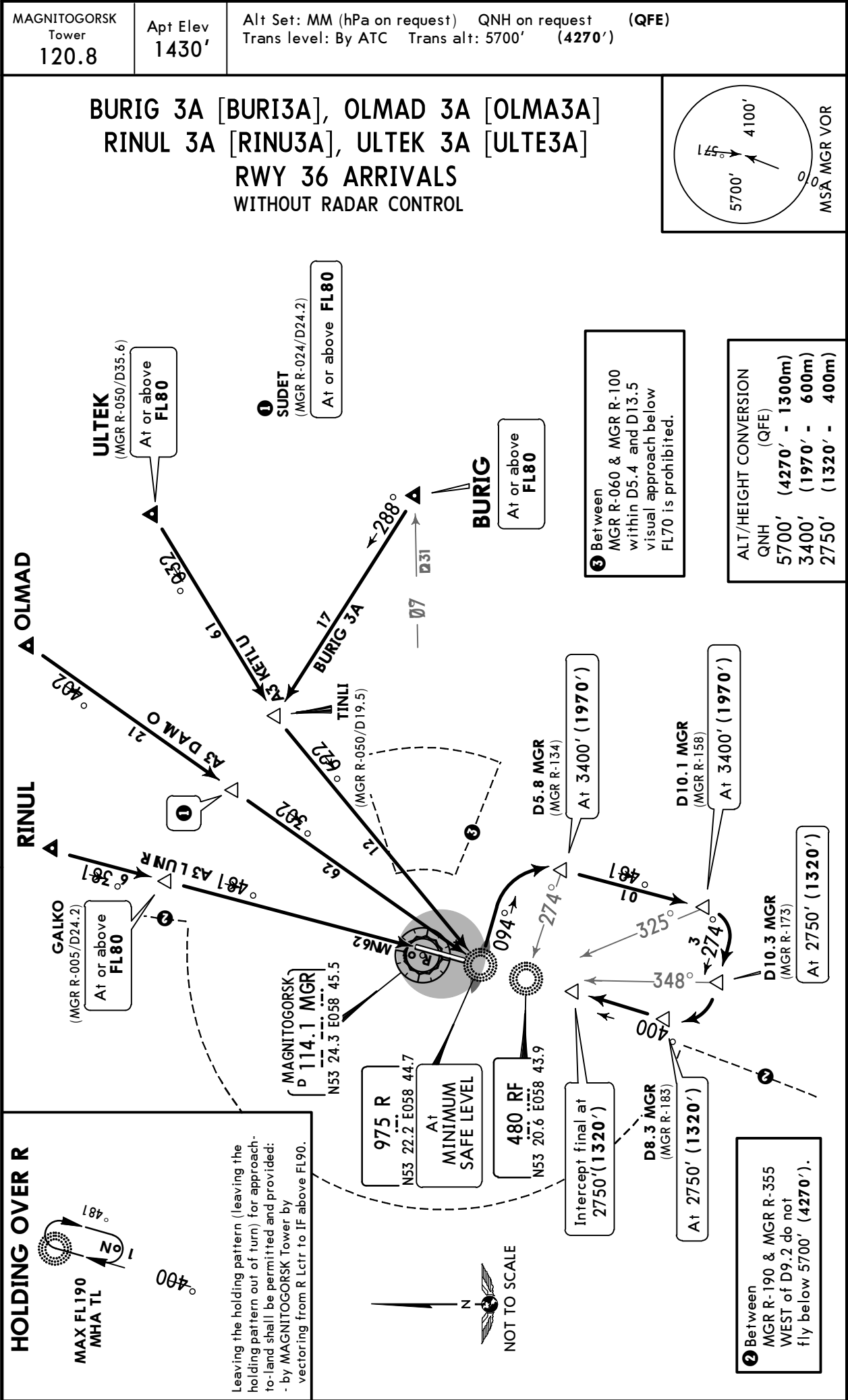
MAGNITOGORSK, RUSSIA

STAR



USCM/MQF
MAGNITOGORSK

JEPPesen MAGNITOGORSK, RUSSIA
30 NOV 18 10-2P Eff 6 Dec STAR

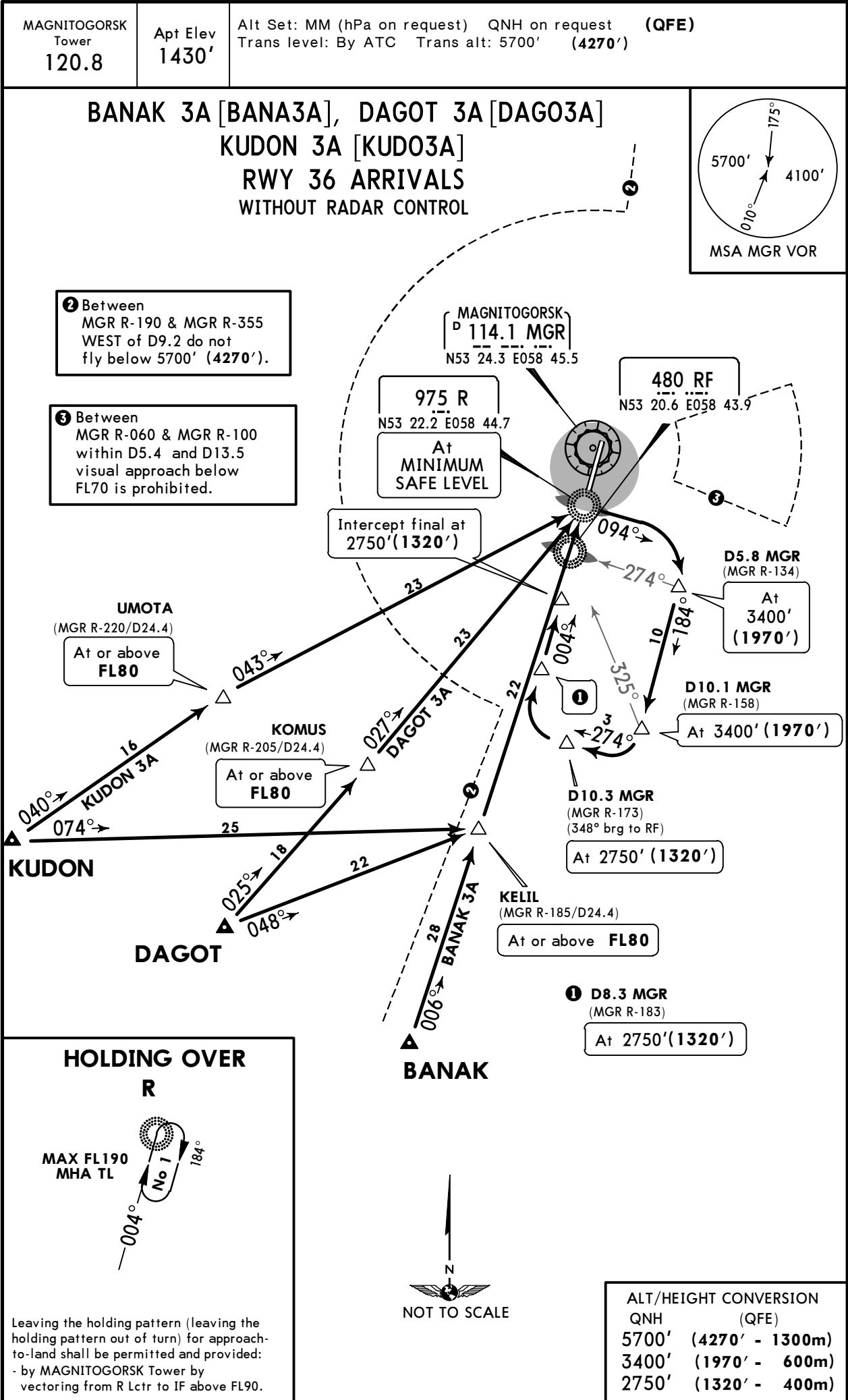


① D8.8 MGR
(MGR R-016)

A† 2710'
(1316')

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MAGNITOGORSK

JEPPESEN MAGNITOGORSK, RUSSIA
30 NOV 18 10-2S Eff 6 Dec STAR



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MAGNITOGORSK

JEPPesen 30 NOV 18 10-2T Eff 6 Dec

MAGNITOGORSK, RUSSIA

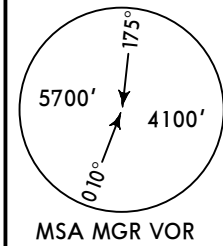
STAR

MAGNITOGORSK
Tower
120.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')

BANAK 4A [BANA4A], DAGOT 4A [DAGO4A]
KUDON 4A [KUDO4A]
RWY 18 ARRIVALS
WITHOUT RADAR CONTROL



② Between
MGR R-190 & MGR R-355
WEST of D9.2 do not
fly below 5700' (4306').

①
KOMUS
(MGR R-205/D24.4)
At or above
FL80

UMOTA
(MGR R-220/D24.4)
At or above
FL80

975 C
N53 25.0 E058 46.0
At
MINIMUM
SAFE LEVEL

D6.9 MGR
(MGR R-005)
(184° brg to C)
At 2710'
(1316')

D8.8 MGR
(MGR R-016)
At 2710' (1316')

D8.8 MGR
(MGR R-034)
At 3370'
(1976')

MAGNITOGORSK
D 114.1 MGR
N53 24.3 E058 45.5

③ Between
MGR R-060 & MGR R-100
within D5.4 and D13.5
visual approach below
FL70 is prohibited.

KELIL
(MGR R-185/D24.4)
At or above
FL80

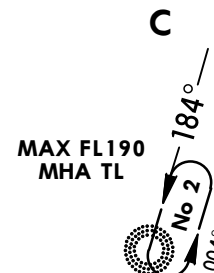
KUDON

DAGOT

BANAK

NOT TO SCALE

HOLDING OVER



Leaving the holding pattern (leaving the
holding pattern out of turn) for approach-
to-land shall be permitted and provided:
- by MAGNITOGORSK Tower by
vectoring from C Lctr to IF above FL90.

ALT/HEIGHT CONVERSION

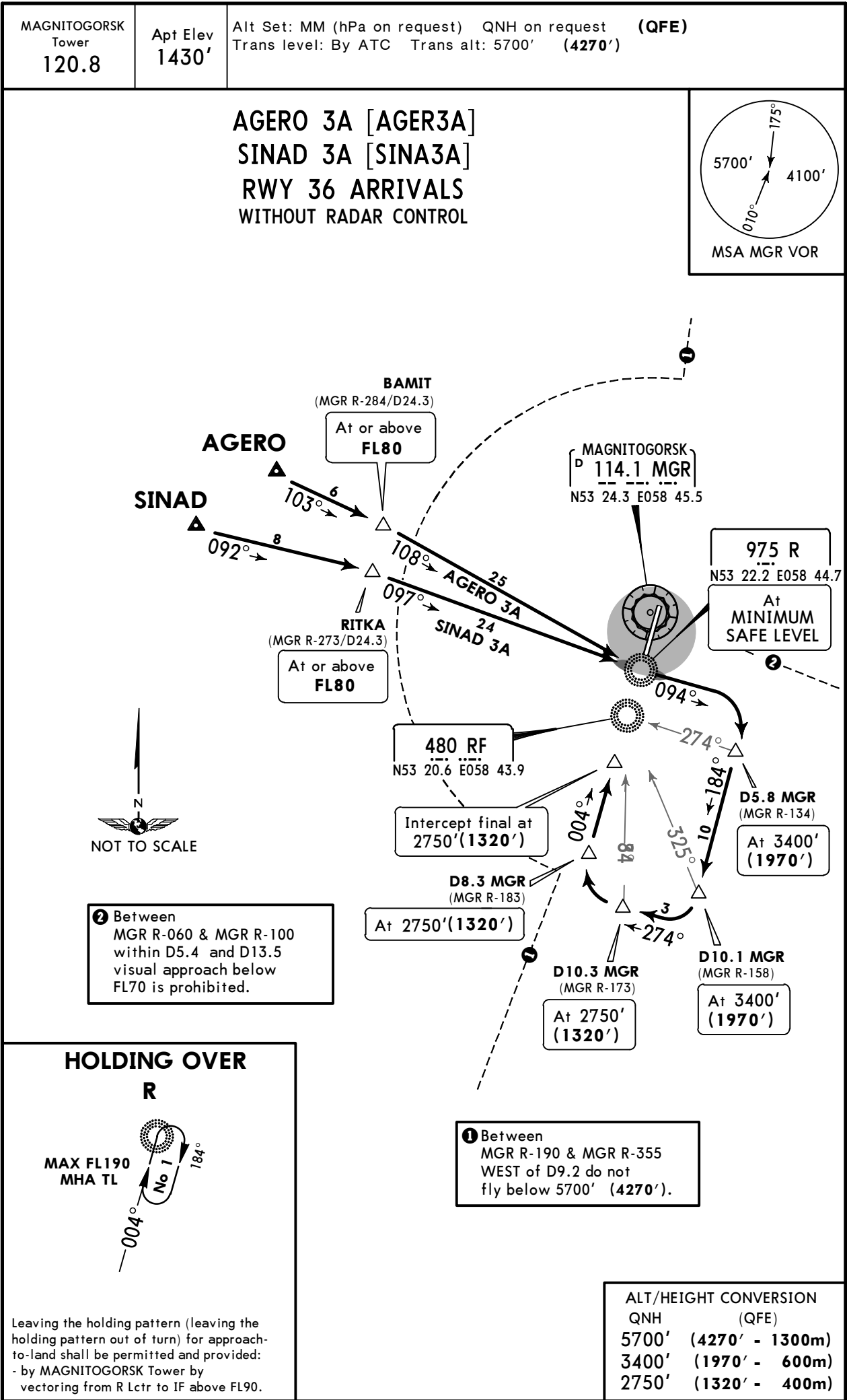
QNH	(QFE)
5700'	(4306' - 1300m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

USCM/MQF
MAGNITOGORSK

JEPPesen 30 NOV 18 10-2U Eff 6 Dec

MAGNITOGORSK, RUSSIA

STAR



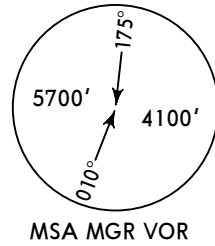
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USCM/MQF
MAGNITOGORSK

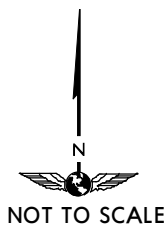
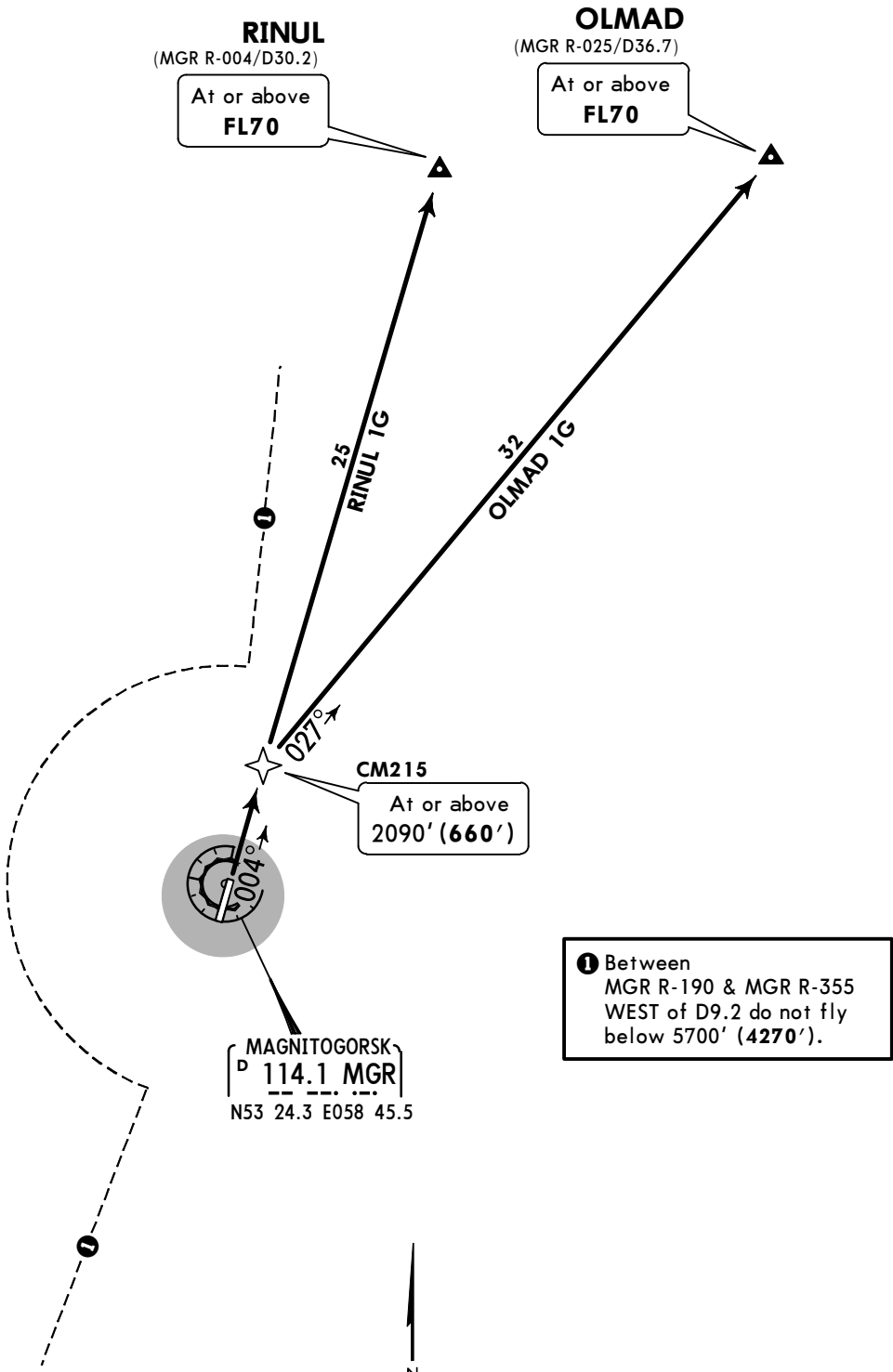
JEPPESSEN MAGNITOGORSK, RUSSIA
19 MAY 17 10-3 Eff 25 May RNAV SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4270')
RNAV (GNSS)



OLMAD 1G [OLMA1G], RINUL 1G [RINU1G]
RWY 36 RNAV DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(660' - 200m)
5700'	(4270' - 1300m)

SID	ROUTING
OLMAD 1G	CM215 (2090'+) - OLMAD (FL70+).
RINUL 1G	CM215 (2090'+) - RINUL (FL70+).

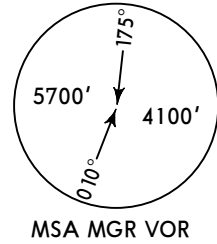
USCM/MQF
MAGNITOGORSK

JEPPesen
19 MAY 17 10-3A Eff 25 May

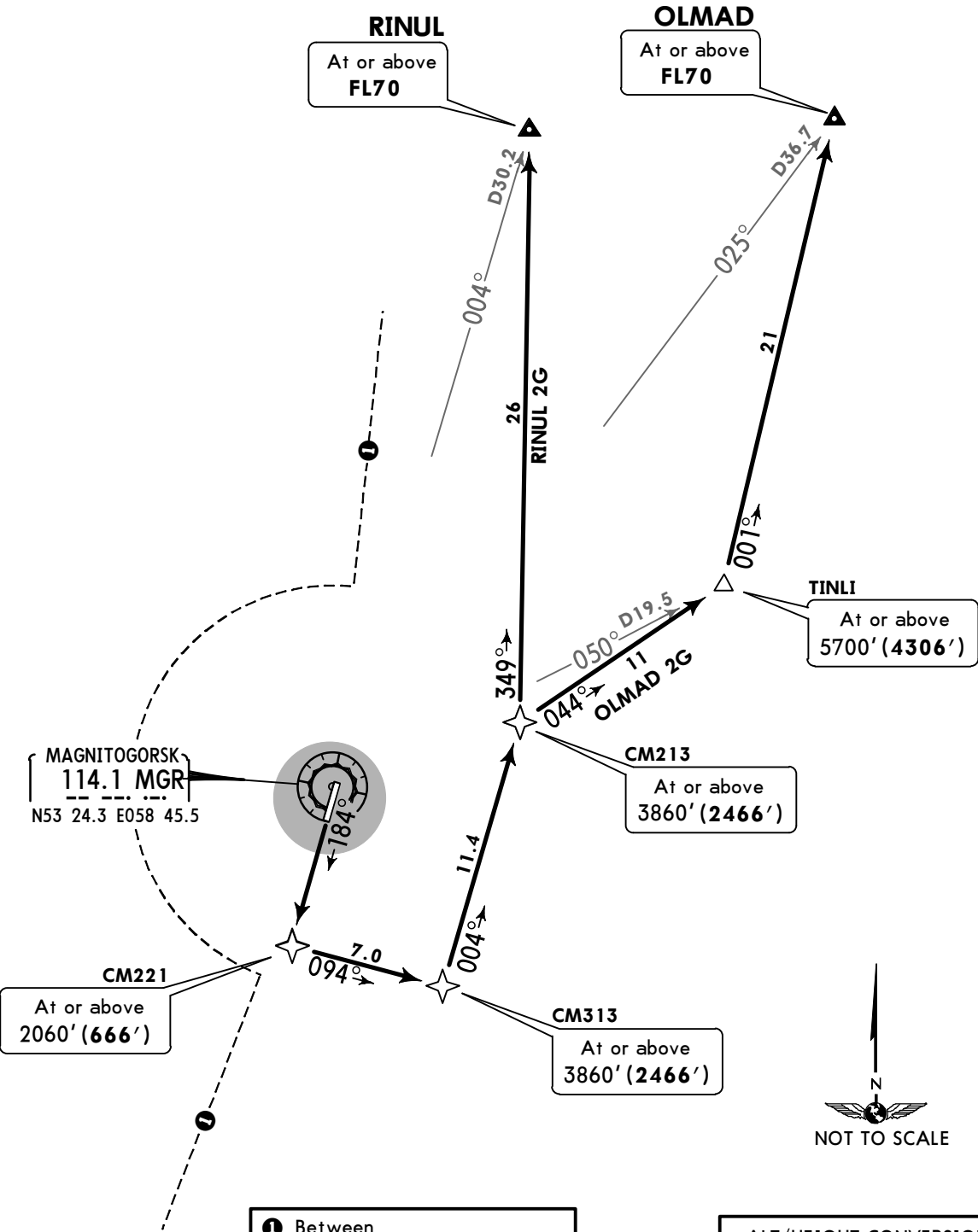
MAGNITOGORSK, RUSSIA
RNAV SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')
RNAV (GNSS)



OLMAD 2G [OLMA2G], RINUL 2G [RINU2G]
RWY 18 RNAV DEPARTURES



① Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4306').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2060'	(666' - 200m)
3860'	(2466' - 750m)
5700'	(4306' - 1300m)

SID	ROUTING
OLMAD 2G	CM221 (2060'+) - CM313 (3860'+) - CM213 (3860'+) - TINLI (5700'+) - OLMAD (FL70+).
RINUL 2G	CM221 (2060'+) - CM313 (3860'+) - CM213 (3860'+) - RINUL (FL70+).

USCM/MQF
MAGNITOGORSK

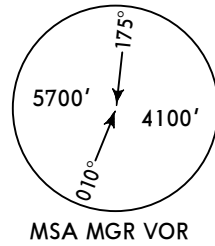
JEPPesen 19 MAY 17 10-3B Eff 25 May

MAGNITOGORSK, RUSSIA

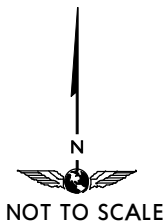
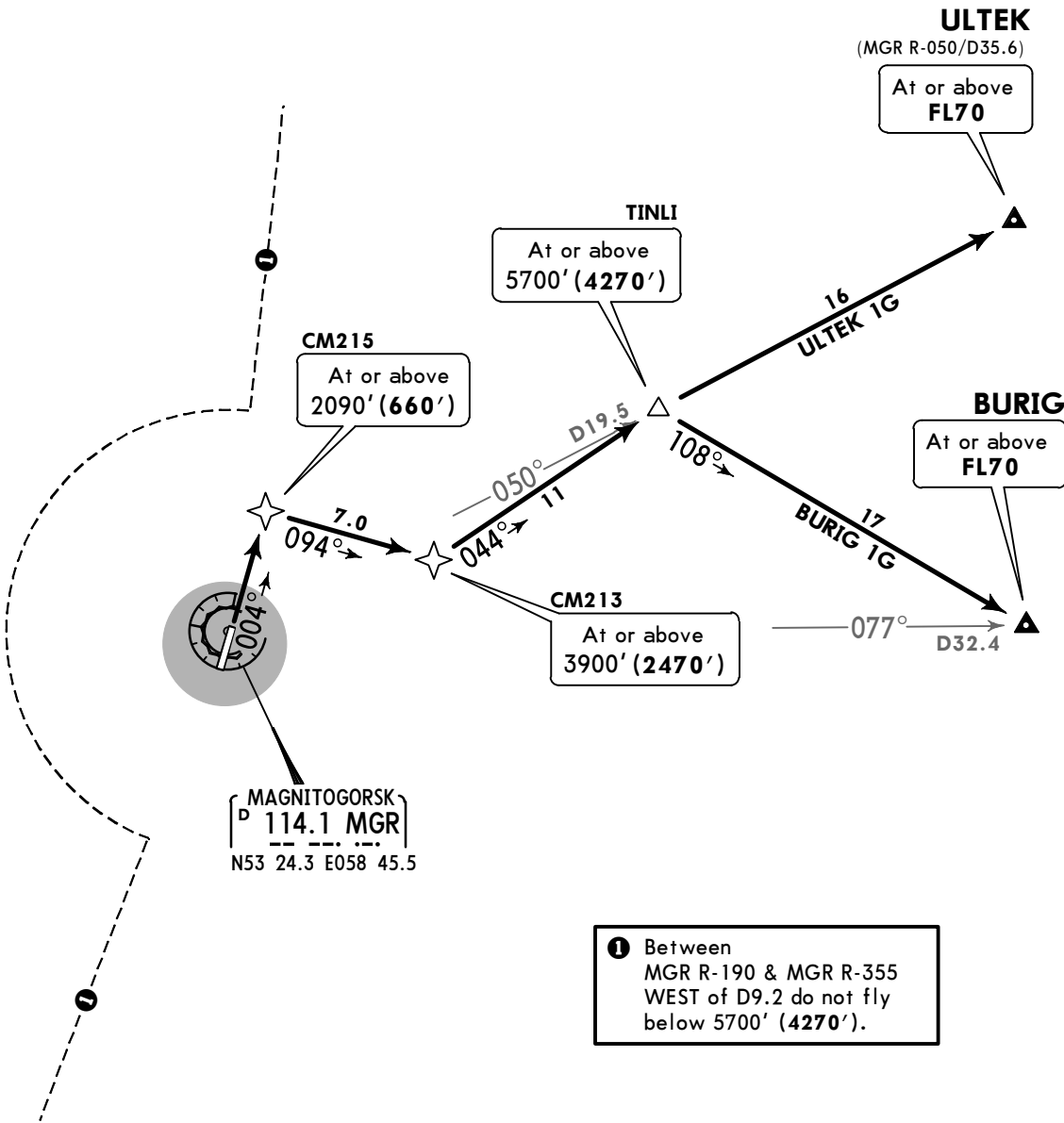
RNAV SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4270')
RNAV (GNSS)



BURIG 1G [BURI1G], ULTEK 1G [ULTE1G]
RWY 36 RNAV DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(660' - 200m)
3900'	(2470' - 750m)
5700'	(4270' - 1300m)

SID	ROUTING
BURIG 1G	CM215 (2090'+) - CM213 (3900'+) - TINLI (5700'+) - BURIG (FL70+).
ULTEK 1G	CM215 (2090'+) - CM213 (3900'+) - TINLI (5700'+) - ULTEK (FL70+).

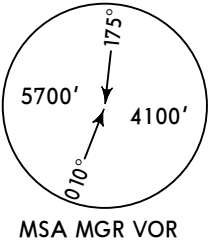
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MAGNITOGORSK

JEPPESEN
19 MAY 17 10-3C Eff 25 May

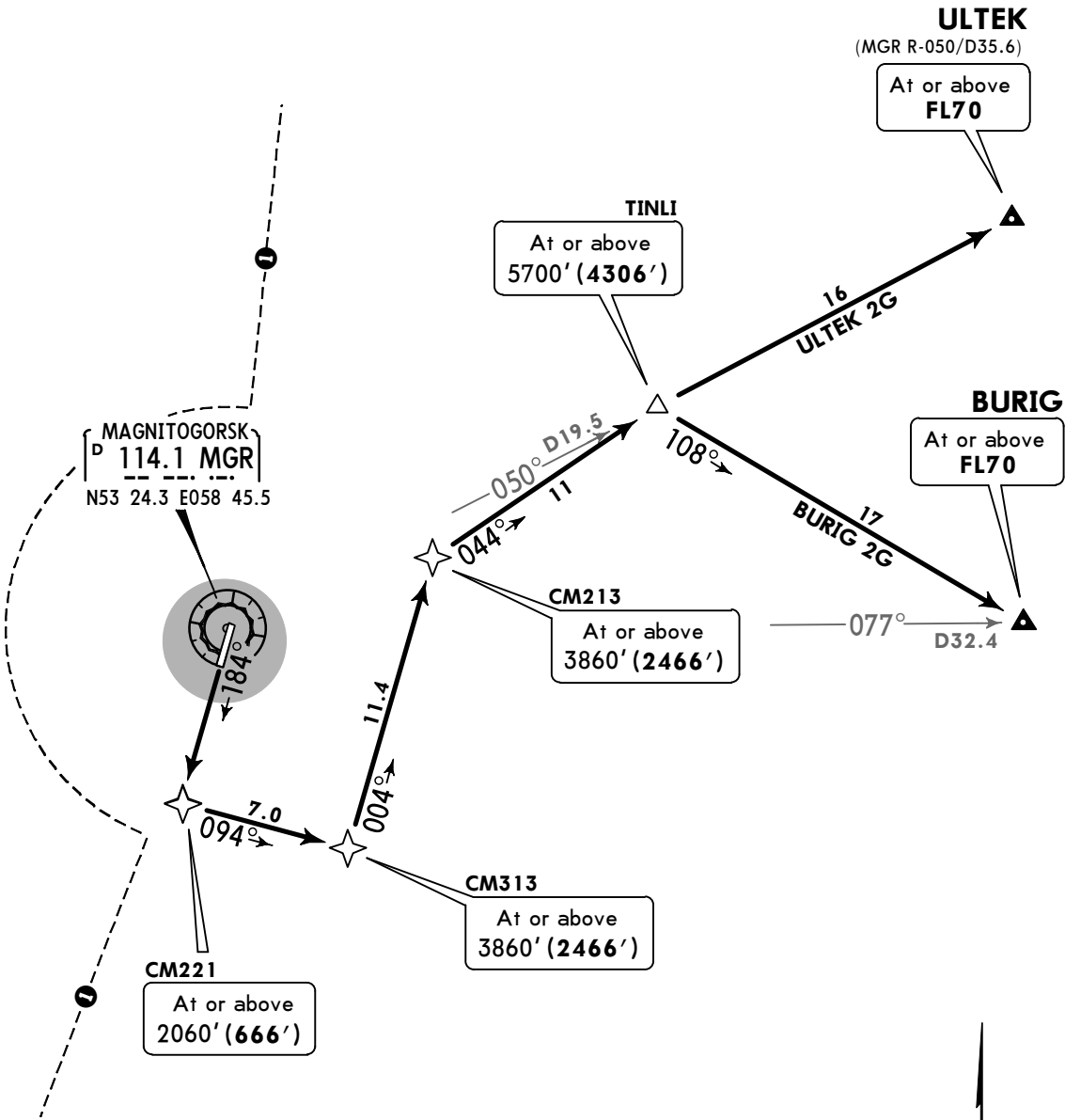
MAGNITOGORSK, RUSSIA
RNAV SID

Apt Elev
1430'

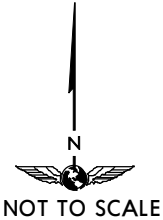
QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')
RNAV (GNSS)



BURIG 2G [BURI2G], ULTEK 2G [ULTE2G]
RWY 18 RNAV DEPARTURES



Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4306').



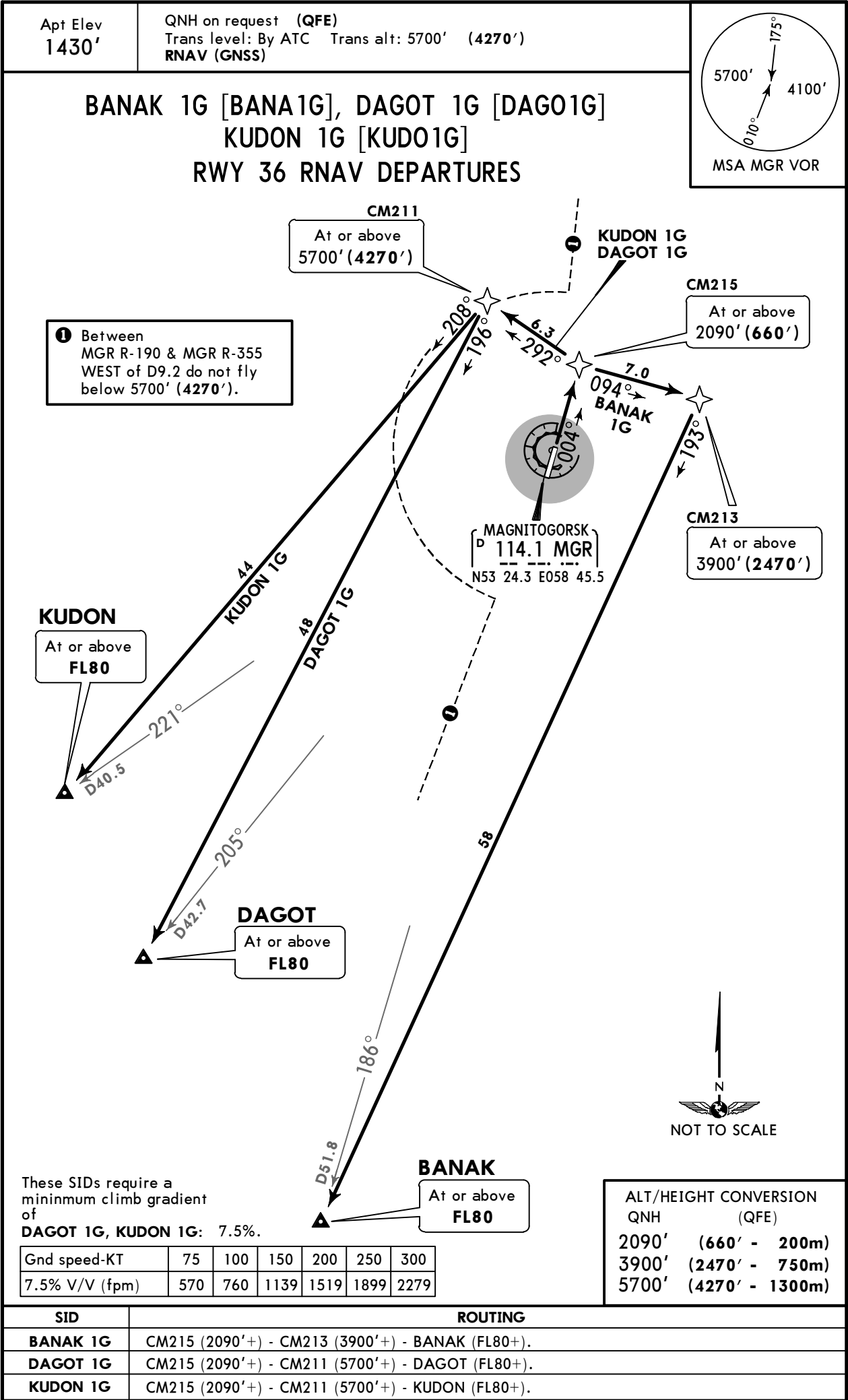
ALT/HEIGHT CONVERSION	
QNH	(QFE)
2060'	(666' - 200m)
3860'	(2466' - 750m)
5700'	(4306' - 1300m)

SID	ROUTING
BURIG 2G	CM221 (2060'+) - CM313 (3860'+) - CM213 (3860'+) - TINLI (5700'+) - BURIG (FL70+).
ULTEK 2G	CM221 (2060'+) - CM313 (3860'+) - CM213 (3860'+) - TINLI (5700'+) - ULTEK (FL70+).

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7 JUL 17 10-3D Eff 20 Jul

MAGNITOGORSK, RUSSIA
RNAV SID

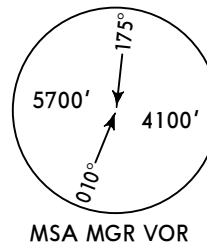


USCM/MQF
MAGNITOGORSK

JEPPESEN MAGNITOGORSK, RUSSIA
7 JUL 17 10-3E Eff 20 Jul
RNAV SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')
RNAV (GNSS)



BANAK 2G [BANA2G], DAGOT 2G [DAGO2G]
KUDON 2G [KUDO2G]
RWY 18 RNAV DEPARTURES

① Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4306').

KUDON

At or above
FL80

36
KUDON 2G

37
DAGOT 2G

DAGOT

At or above
FL80

BANAK

(MGR R-186/D51.8)

At or above
FL80

CM221

At or above
2060' (666')

MAGNITOGORSK
D 114.1 MGR
N53 24.3 E058 45.5



These SIDs require a
minimum climb gradient
of

DAGOT 2G, KUDON 2G: 7.5%.

Gnd speed-KT	75	100	150	200	250	300
7.5% V/V (fpm)	570	760	1139	1519	1899	2279

ALT/HEIGHT CONVERSION
QNH (QFE)

2060' (666' - 200m)
5700' (4306' - 1300m)

SID	ROUTING
BANAK 2G	CM221 (2060'+) - BANAK (FL80+).
DAGOT 2G	CM221 (2060'+) - DAGOT (FL80+).
KUDON 2G	CM221 (2060'+) - KUDON (FL80+).

USCM/MQF
MAGNITOGORSK

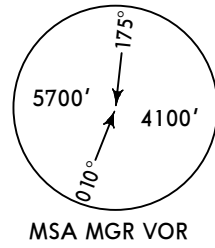
JEPPesen
30 NOV 18 10-3F Eff 6 Dec

MAGNITOGORSK, RUSSIA

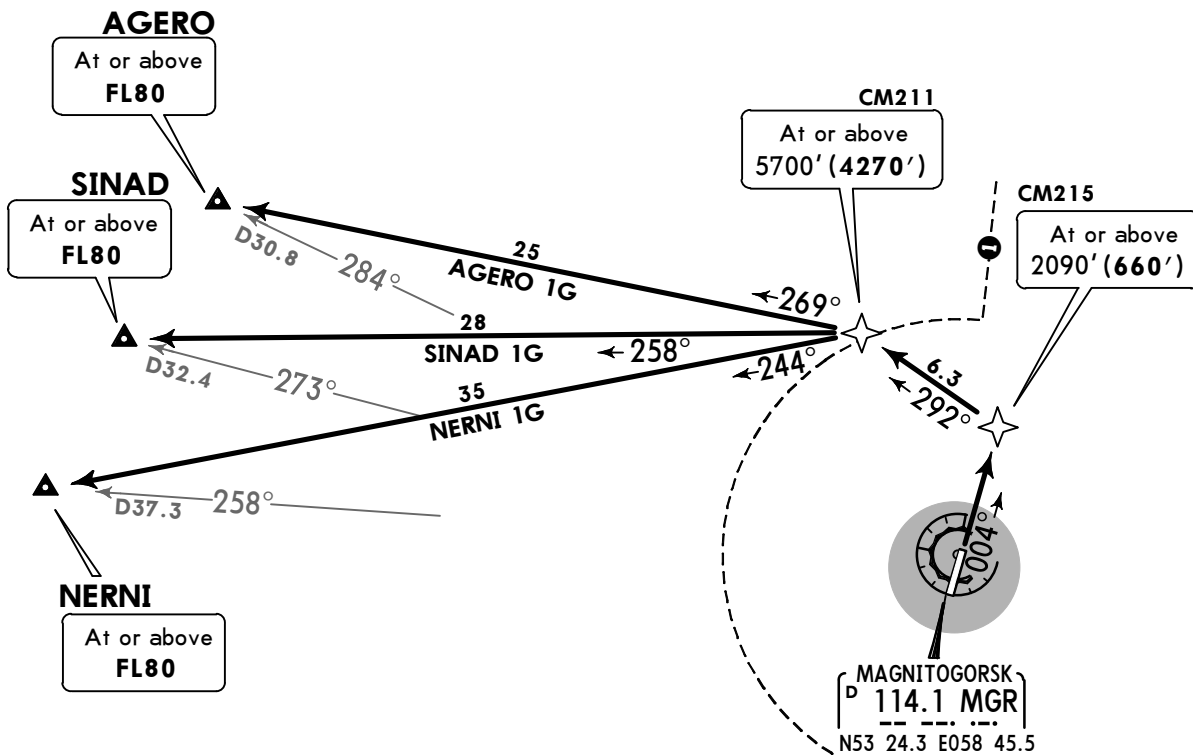
RNAV SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4270')
RNAV (GNSS)



AGERO 1G [AGER1G]
NERNI 1G [NERN1G], SINAD 1G [SINA1G]
RWY 36 RNAV DEPARTURES



These SIDs require a minimum climb gradient
of
7.5%.

Gnd speed-KT	75	100	150	200	250	300
7.5% V/V (fpm)	570	760	1139	1519	1899	2279

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(660' - 200m)
5700'	(4270' - 1300m)

SID	ROUTING
AGERO 1G	CM215 (2090'+) - CM211 (5700'+) - AGERO (FL80+).
NERNI 1G	CM215 (2090'+) - CM211 (5700'+) - NERNI (FL80+).
SINAD 1G	CM215 (2090'+) - CM211 (5700'+) - SINAD (FL80+).

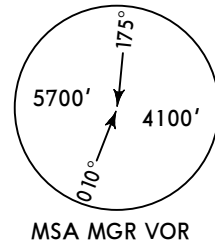
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MAGNITOGORSK

JEPPesen
30 NOV 18 10-3G Eff 6 Dec

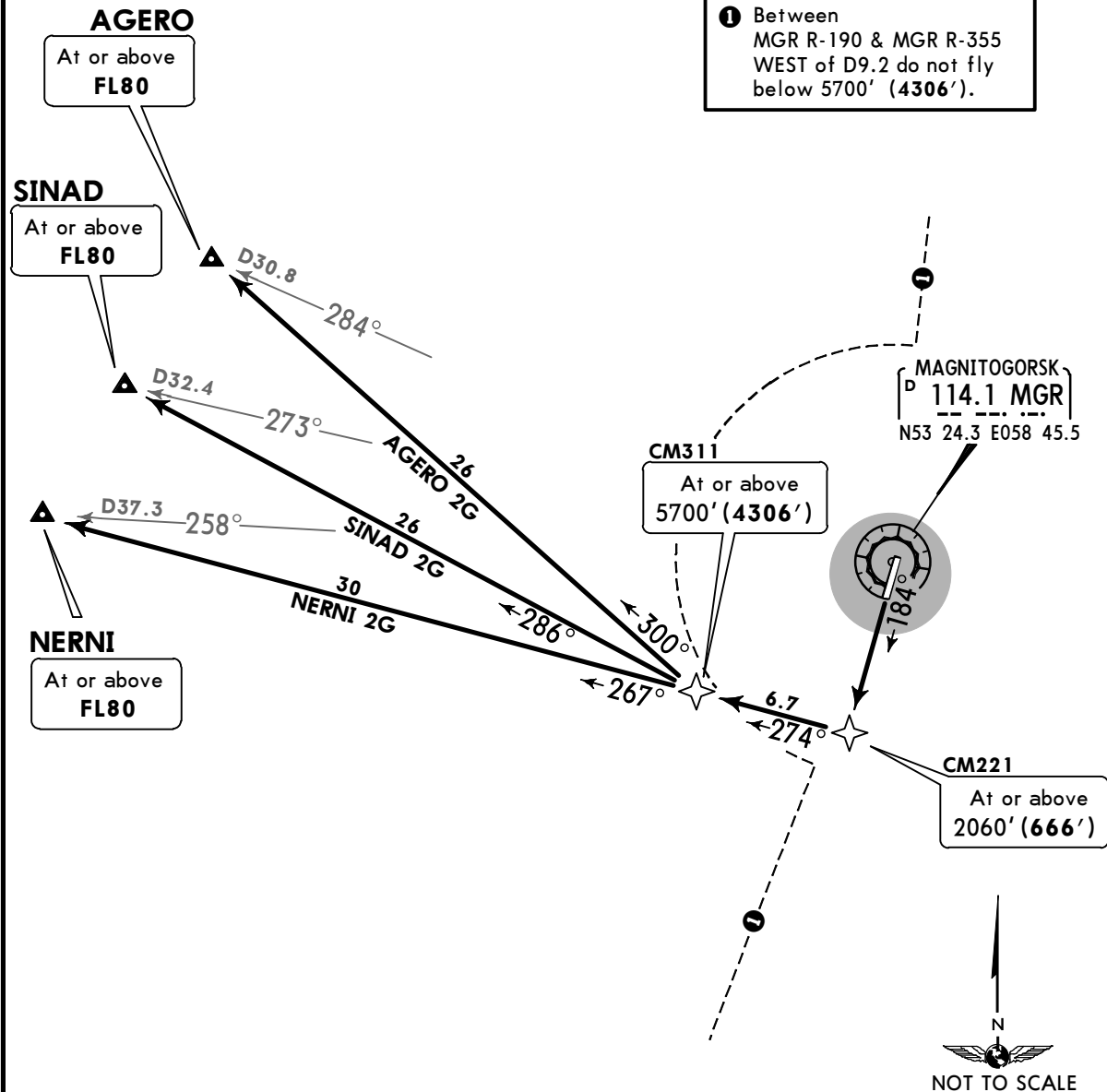
MAGNITOGORSK, RUSSIA
RNAV SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')
RNAV (GNSS)



AGERO 2G [AGER2G]
NERNI 2G [NERN2G], SINAD 2G [SINA2G]
RWY 18 RNAV DEPARTURES



These SIDs require a minimum climb gradient
of
7.5%.

Gnd speed-KT	75	100	150	200	250	300
7.5% V/V (fpm)	570	760	1139	1519	1899	2279

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2060'	(666' - 200m)
5700'	(4306' - 1300m)

SID	ROUTING
AGERO 2G	CM221 (2060'+) - CM311 (5700'+) - AGERO (FL80+).
NERNI 2G	CM221 (2060'+) - CM311 (5700'+) - NERNI (FL80+).
SINAD 2G	CM221 (2060'+) - CM311 (5700'+) - SINAD (FL80+).

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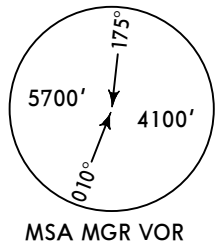
JEPPesen 13 APR 18 10-3J Eff 26 Apr

MAGNITOGORSK, RUSSIA

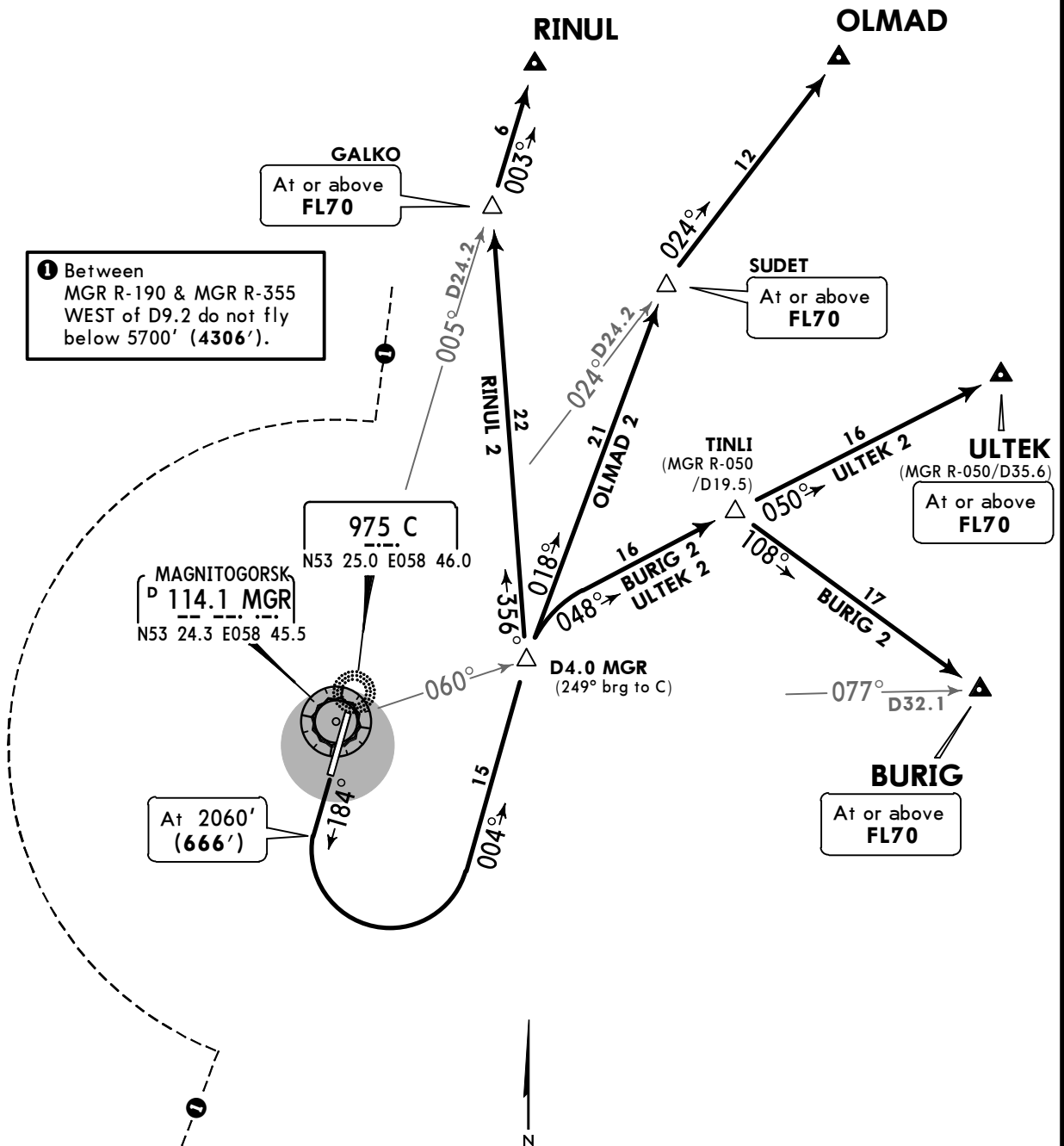
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')



BURIG 2, OLMAD 2
RINUL 2, ULTEK 2
RWY 18 DEPARTURES

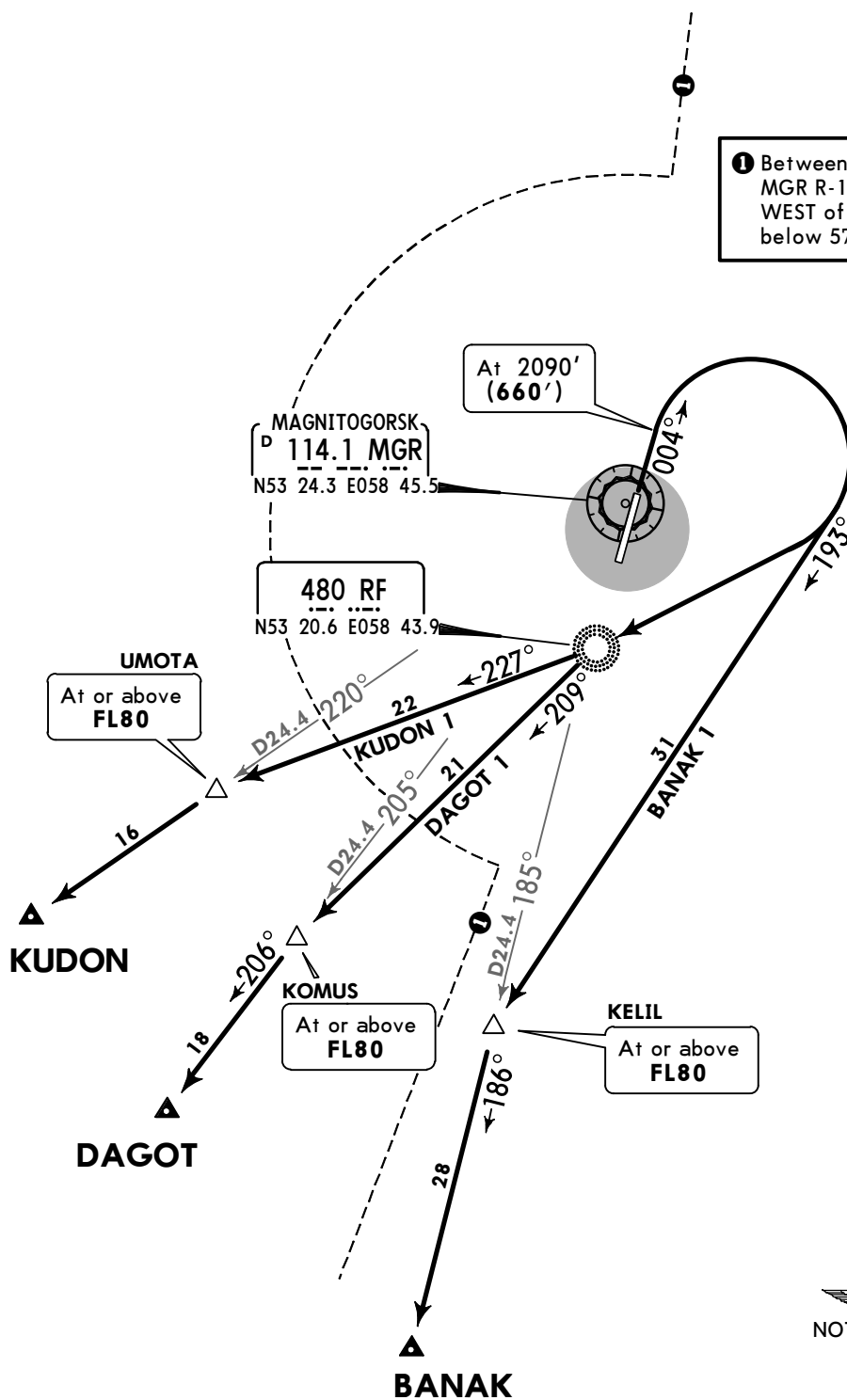


ALT/HEIGHT CONVERSION		
QNH	(QFE)	
2060'	(666' - 200m)	
5700'	(4306' - 1300m)	



NOT TO SCALE

1 Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (**4270'**).

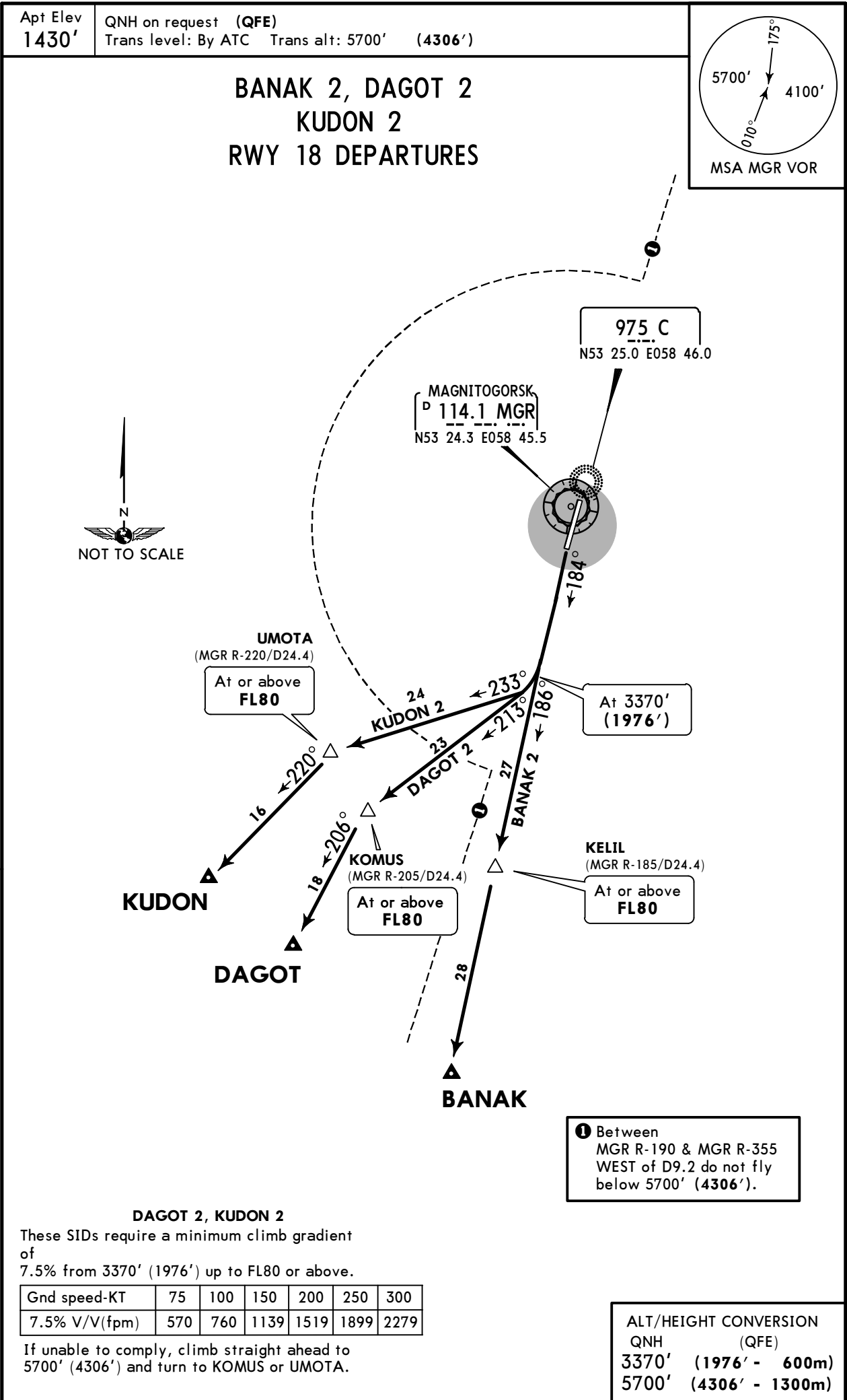


ALT/HEIGHT CONVERSION
QNH (QFE)
2090' (660' - 200m)
5700' (4270' - 1300m)

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MAGNITOGORSK

JEPPESEN MAGNITOGORSK, RUSSIA
11 MAY 18 10-3L Eff 24 May

SID



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MAGNITOGORSK

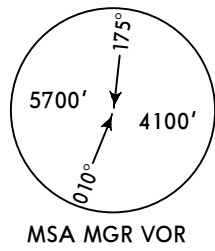
JEPPESSEN
30 NOV 18 10-3M Eff 6 Dec

MAGNITOGORSK, RUSSIA

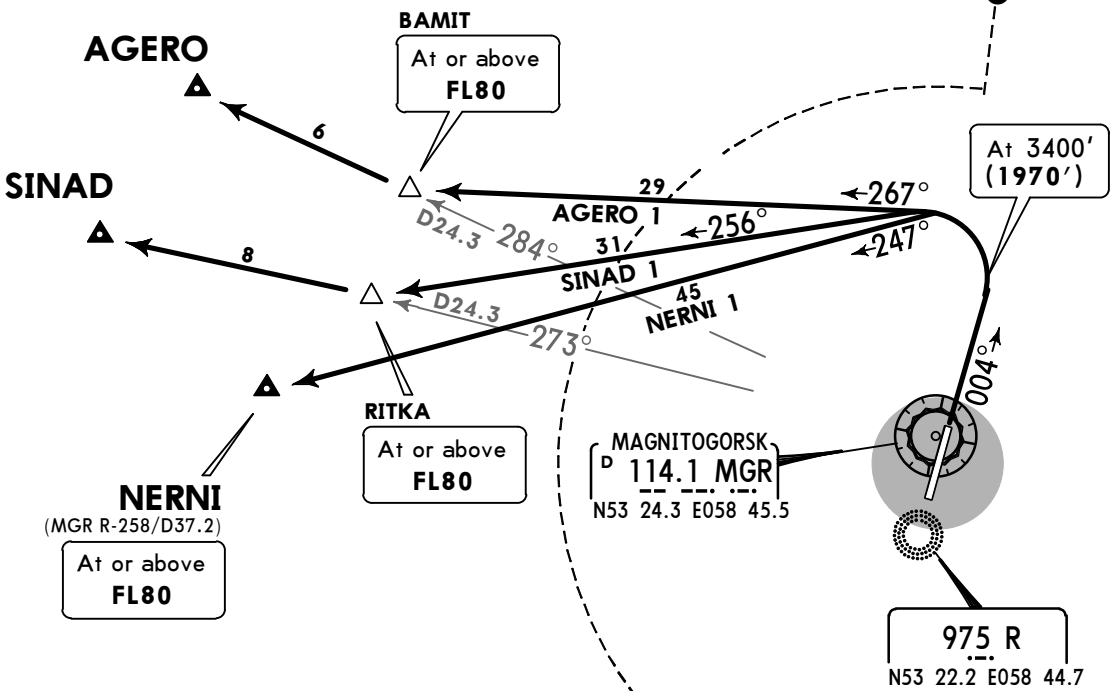
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4270')



AGERO 1, NERNI 1, SINAD 1
RWY 36 DEPARTURES



① Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4270').



These SIDs require a minimum climb gradient
of
7.5% from 3400' (1970').

Gnd speed-KT	75	100	150	200	250	300
7.5% V/V (fpm)	570	760	1139	1519	1899	2279

If unable to comply, turn RIGHT via R.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
3400'	(1970' - 600m)
5700'	(4270' - 1300m)

USCM/MQF
MAGNITOGORSK

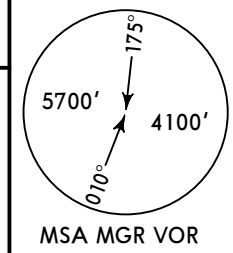
JEPPESEN
30 NOV 18 (10-3N) Eff 6 Dec

MAGNITOGORSK, RUSSIA

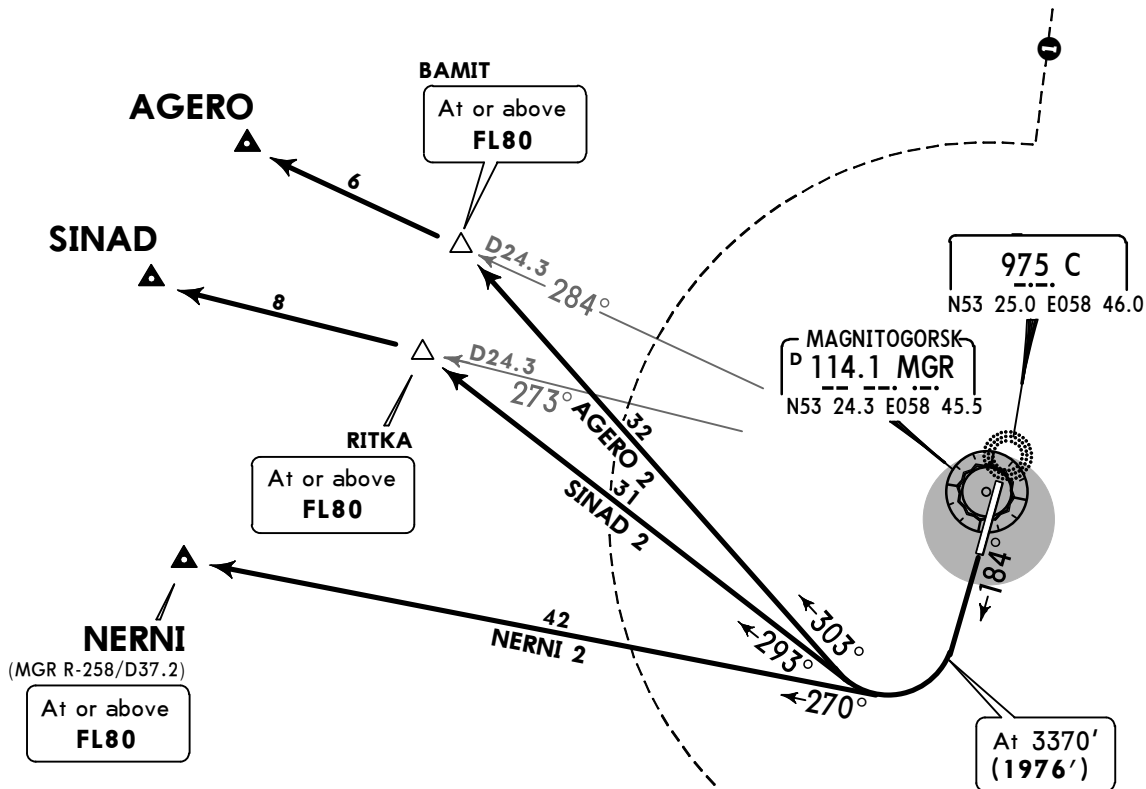
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')



AGERO 2, NERNI 2, SINAD 2
RWY 18 DEPARTURES



① Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4306').

These SIDs require a minimum climb gradient
of
7.5% from 3370' (1976') up to FL80 or above.

Gnd speed-KT	75	100	150	200	250	300
7.5% V/V (fpm)	570	760	1139	1519	1899	2279

If unable to comply, turn LEFT to C, then
to BAMIT, RITKA or NERNI.

ALT/HEIGHT CONVERSION
QNH (QFE)
3370' (1976' - 600m)
5700' (4306' - 1300m)

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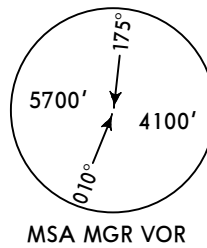
JEPPESEN
30 NOV 18 10-3P Eff 6 Dec

MAGNITOGORSK, RUSSIA

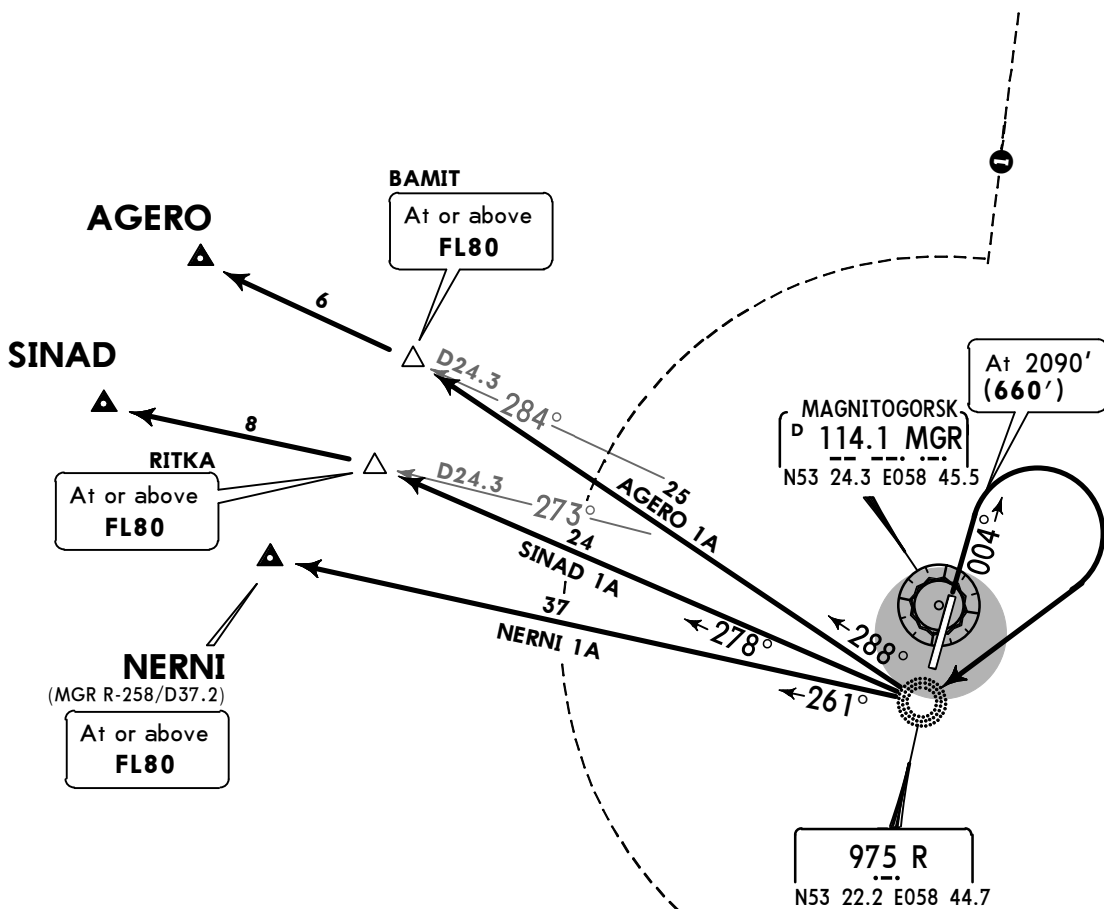
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4270')



AGERO 1A [AGER1A]
NERNI 1A [NERN1A], SINAD 1A [SINA1A]
RWY 36 DEPARTURES
BY ATC



① Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4270').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(660' - 200m)
5700'	(4270' - 1300m)

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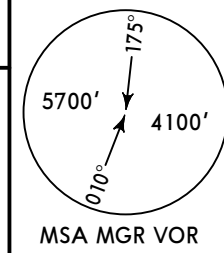
JEPPesen 30 NOV 18 10-3Q Eff 6 Dec

MAGNITOGORSK, RUSSIA

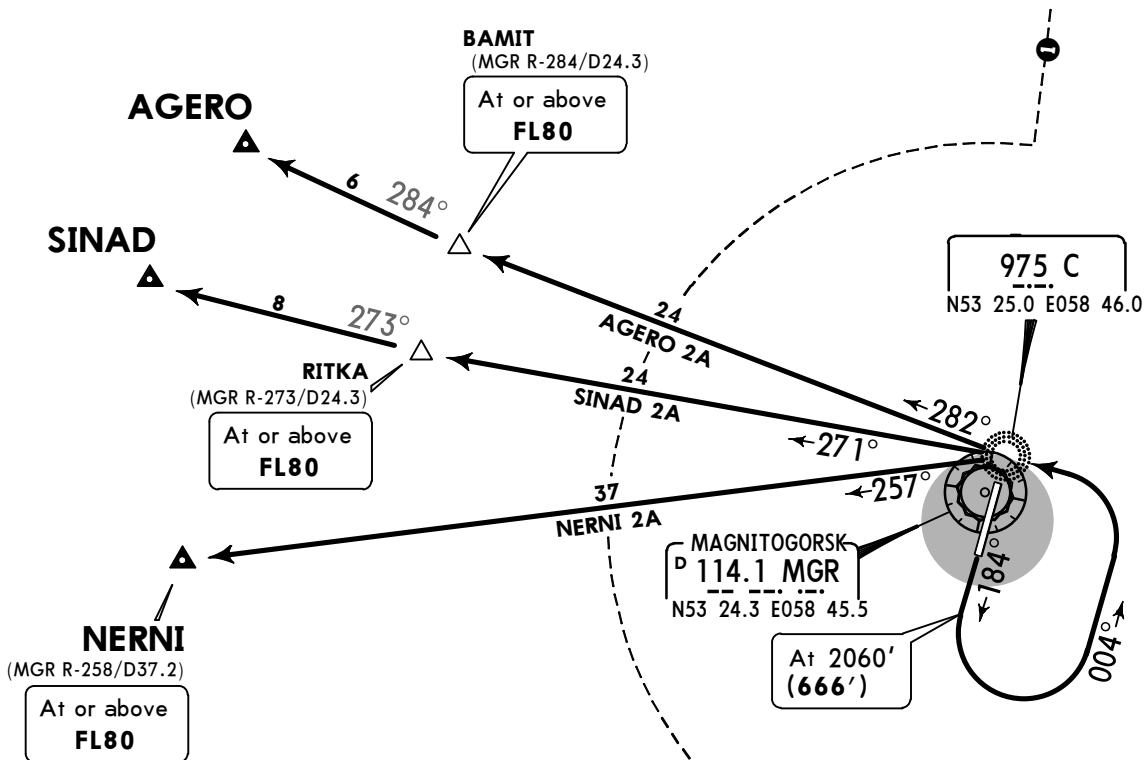
SID

Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5700' (4306')



AGERO 2A [AGER2A]
NERNI 2A [NERN2A], SINAD 2A [SINA2A]
RWY 18 DEPARTURES
BY ATC



① Between
MGR R-190 & MGR R-355
WEST of D9.2 do not fly
below 5700' (4306').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2060'	(666' - 200m)
5700'	(4306' - 1300m)

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Apt Elev 1430'

N53 23.6 E058 45.3



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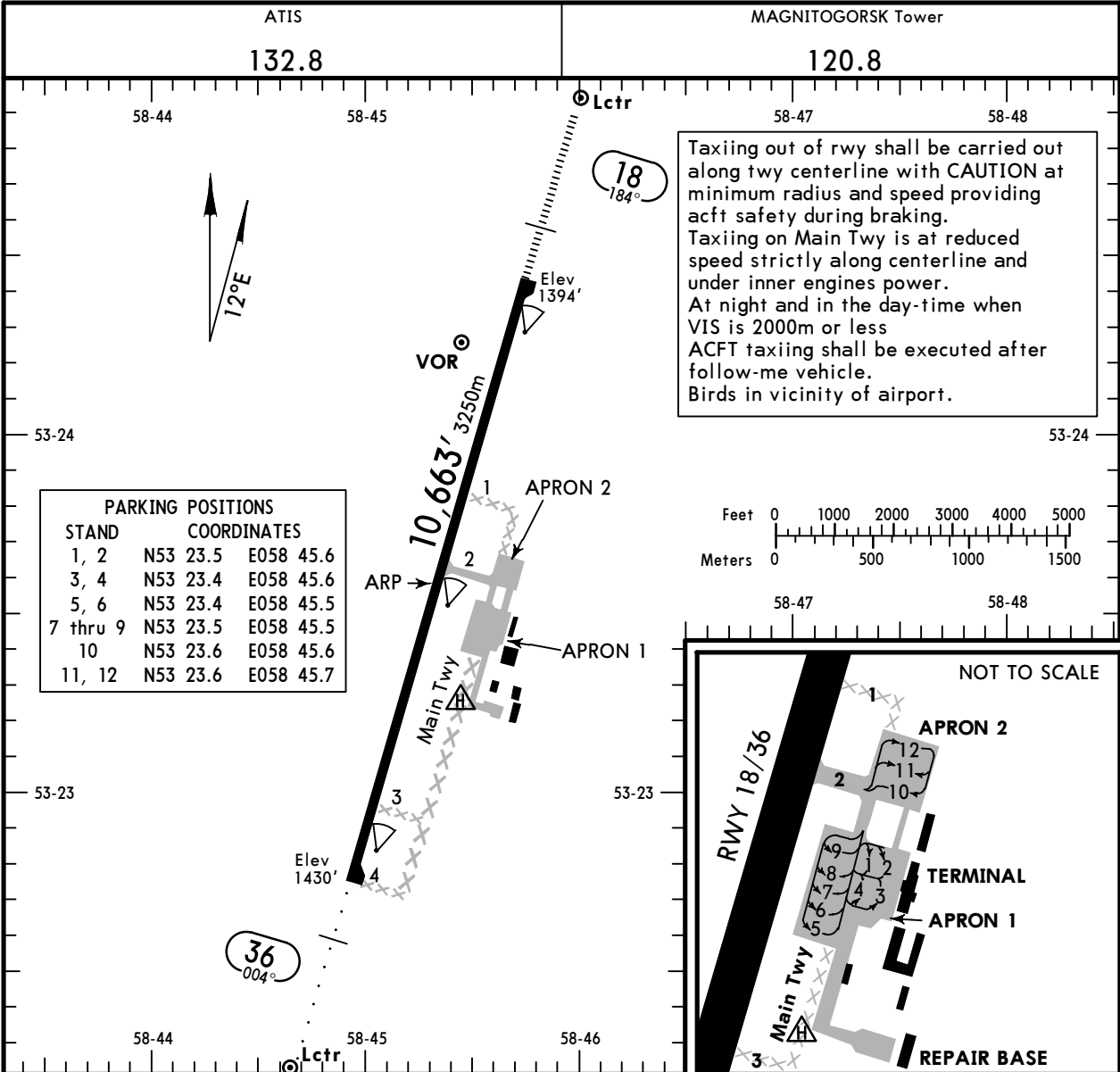
MAGNITOGORSK, RUSSIA

20 APR 18

10-9

Eff 26 Apr

MAGNITOGORSK



ADDITIONAL RUNWAY INFORMATION								
					USABLE LENGTHS		TAKE-OFF	WIDTH
					LANDING BEYOND			
RWY					Threshold	Glide Slope		
18	HIRL (60m)	HIALS	PAPI-L (2.67°)	RVR		9569' 2917m	①	148'
36	HIRL (60m)	ALS		RVR		9630' 2935m		

1 TAKE-OFF RUN AVAILABLE

RWY 18: from rwy head 10,663' (3250m) twy 2 int 5577' (1700m)

RWY 36: from rwy head 10,663' (3250m) twy 2 int 5085' (1550m)

LOW VISIBILITY PROCEDURES (LVP)

LVP shall be applied by ATS when RVR is less than 550m by the following phrase: "Low visibility procedures in progress." When LVP are valid:

- Acft taxiing shall be carried out after Follow-me car:
- After landing: to the stand. For take-off: from the stand to the holding position.
- Take-off not from the rwy extremity is prohibited.
- The flight crews shall be informed about the taxiing acft positions with respect to each other.

When visibility on rwy is 550m or more, ATS shall cancel LVP by using the phrase: "Low visibility procedures are canceled."

TAKE-OFF	
AIR CARRIER (JAA)	
All Rwys	
LVP must be in force	
RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	
B	250m
C	
D	300m

USCM/MQF


JEPPesen
20 APR 18
Eff 26 Apr 10-9S

Standard
MAGNITOGORSK, RUSSIA
MAGNITOGORSK

STRAIGHT-IN RWY	A	B	C	D
18				
ILS	1594' (200')	1594' (200')	1594' (200')	1594' (200')
FULL	R550m	R550m	R550m	R550m
Limited	R750m	R750m	R750m	R750m
ALS out	R1200m	R1200m	R1200m	R1200m
LOC ❶	1760' (366')	1760' (366')	1760' (366')	1760' (366')
	R1000m	R1000m	R1000m	R1000m
	R1500m	R1500m	R1700m	R1700m
RNAV ❶	1890' (496')	1890' (496')	1890' (496')	1890' (496')
	R1500m	R1500m	R1500m	R1500m
ALS out	R1500m	R1500m	C2300m	C2300m
VOR ❶	1710' (316')	1710' (316')	1710' (316')	1710' (316')
	R750m	R750m	R750m	R750m
ALS out	R1400m	R1400m	R1400m	R1400m
C or R NDB ❶ ❷	1960' (566')	1960' (566')	1960' (566')	1960' (566')
	R1500m	R1500m	R1900m	R1900m
ALS out	R1500m	R1500m	C2400m	C2400m
C NDB ❸	3350' (1956')	3350' (1956')	3350' (1956')	3350' (1956')
	C5000m	C5000m	C5000m	C5000m
ALS out	C5000m	C5000m	C5000m	C5000m
R NDB ❸	3400' (2006')	3400' (2006')	3400' (2006')	3400' (2006')
	C5000m	C5000m	C5000m	C5000m
ALS out	C5000m	C5000m	C5000m	C5000m
36				
ILS	1630' (200')	1630' (200')	1630' (200')	1630' (200')
	R1000m	R1000m	R1000m	R1000m
ALS out	R1200m	R1200m	R1200m	R1200m
LOC ❶	1740' (310')	1740' (310')	1740' (310')	1740' (310')
	R1200m	R1200m	R1200m	R1200m
	R1400m	R1400m	R1400m	R1400m
RNAV ❶	1740' (310')	1740' (310')	1740' (310')	1740' (310')
	R1200m	R1200m	R1200m	R1200m
ALS out	R1400m	R1400m	R1400m	R1400m
VOR ❶	1710' (280')	1710' (280')	1710' (280')	1710' (280')
	R1100m	R1100m	R1100m	R1100m
ALS out	R1300m	R1300m	R1300m	R1300m
2 NDB ❶ ❷	1780' (350')	1780' (350')	1780' (350')	1780' (350')
	R1400m	R1400m	R1400m	R1400m
ALS out	R1500m	R1500m	R1600m	R1600m
2 NDB ❸	2810' (1380')	2810' (1380')	2810' (1380')	2810' (1380')
	C5000m	C5000m	C5000m	C5000m
ALS out	C5000m	C5000m	C5000m	C5000m
R or C NDB ❶ ❷	1780' (350')	1780' (350')	1780' (350')	1780' (350')
	R1400m	R1400m	R1400m	R1400m
ALS out	R1500m	R1500m	R1600m	R1600m
R NDB ❸	2610' (1180')	2610' (1180')	2610' (1180')	2610' (1180')
	C5000m	C5000m	C5000m	C5000m
ALS out	C5000m	C5000m	C5000m	C5000m
C NDB ❸	2650' (1220')	2650' (1220')	2650' (1220')	2650' (1220')
	C5000m	C5000m	C5000m	C5000m
ALS out	C5000m	C5000m	C5000m	C5000m

❶ Continuous Descent Final Approach.

❷ With FAF. ❸ W/o FAF.

CHANGES: Minimums.

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**JEPPESSEN**

20 APR 18

Eff 26 Apr

(10-9S1)

Standard

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MAGNITOGORSK

CIRCLE-TO-LAND ❶	100 KT	135 KT	180 KT	205 KT
to rwy 18 ❷	2000'(606') V1500m ❸	2000'(606') V1600m ❸	2100'(706') V2400m ❸	2100'(706') V3600m ❸
to rwy 36	2040'(610') V1500m ❸	2040'(610') V1600m ❸	2130'(700') V2400m ❸	2130'(700') V3600m ❸

- ❶ Circling area is D5.4 MGR in sector from R-355 MGR to R-190 MGR.
- ❷ Circling height based on rwy 18 threshold elev of 1394'.
- ❸ or higher minimums of proceeding straight-in approach.

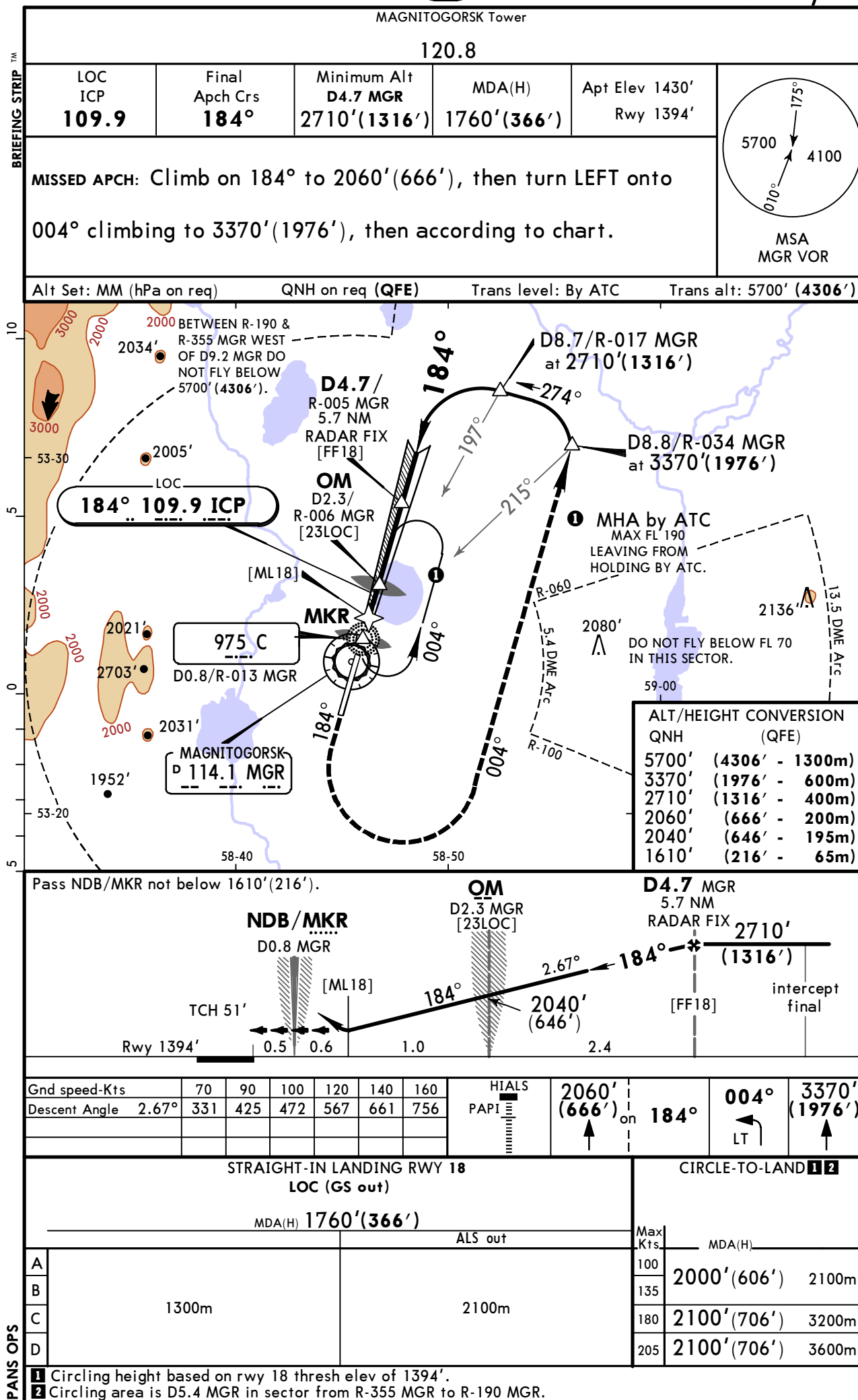
TAKE-OFF RWY 18, 36			
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

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7 DEC 18 11-2

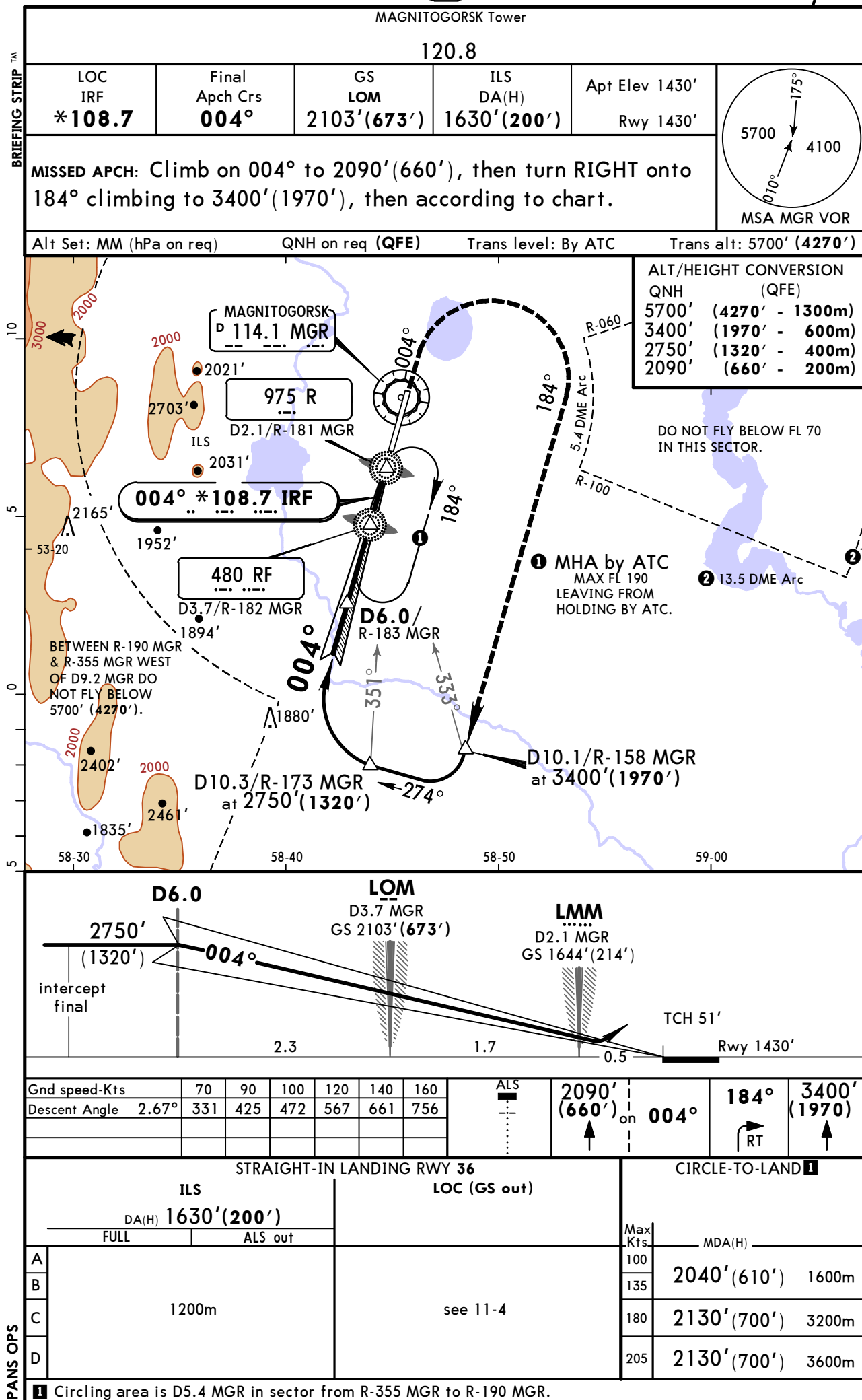
MAGNITOGORSK, RUSSIA
LOC Rwy 18



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7 DEC 18 **11-3**

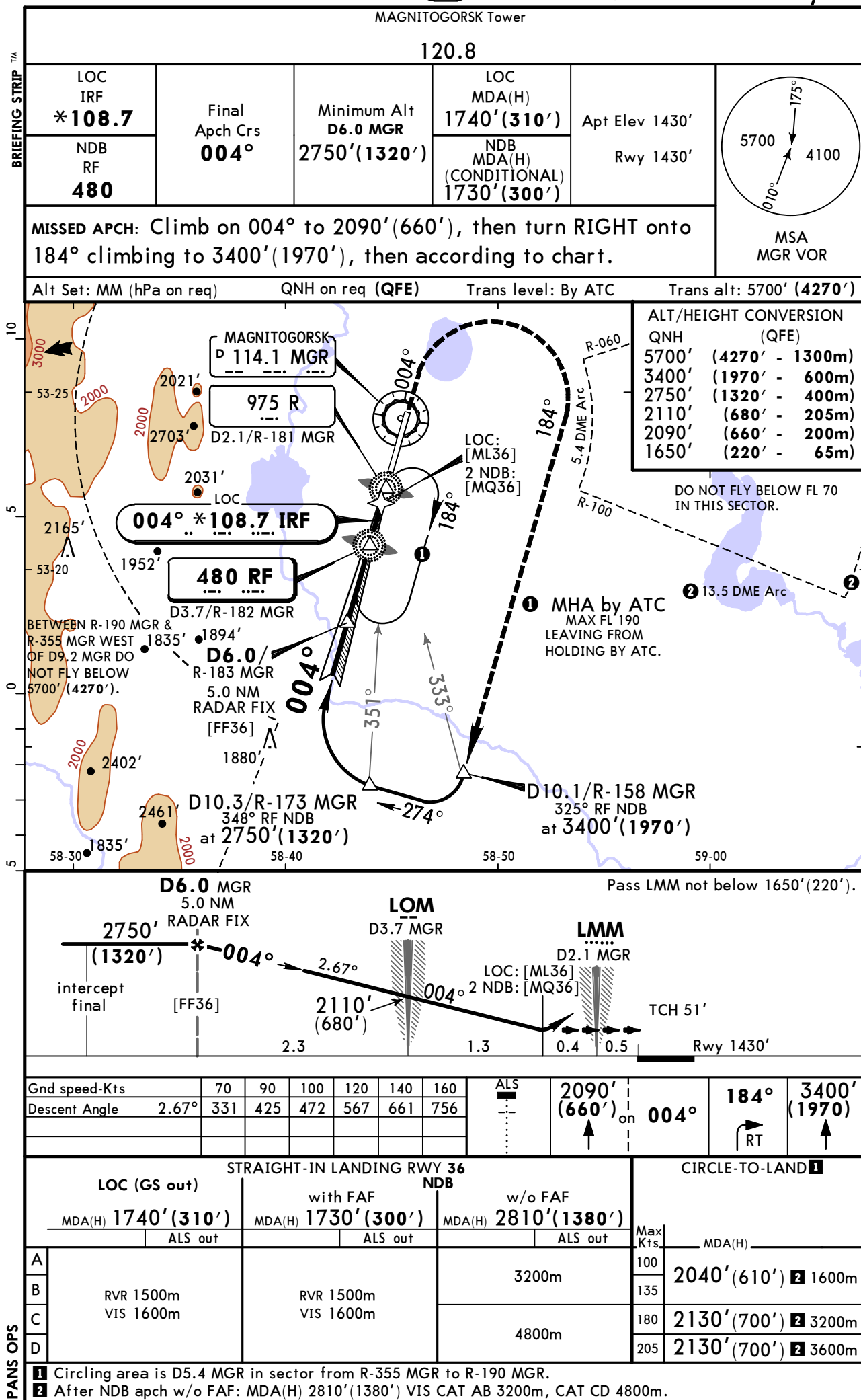
MAGNITOGORSK, RUSSIA
ILS Rwy 36



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MAGNITOGORSK

7 DEC 18
11-4

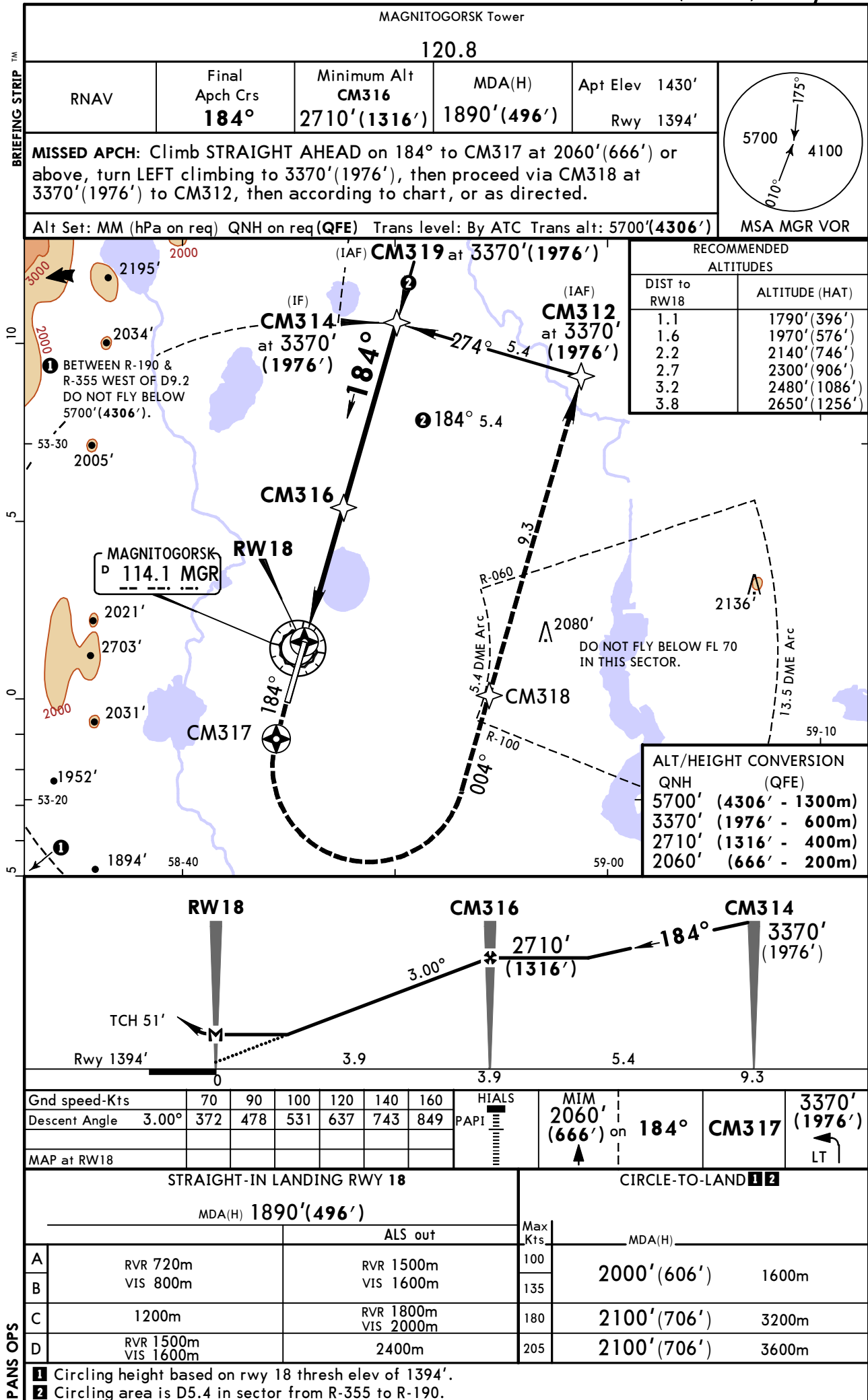
MAGNITOGORSK, RUSSIA
LOC or 2 NDB Rwy 36



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MAGNITOGORSK

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7 DEC 18 (12-1)

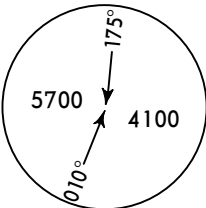
MAGNITOGORSK, RUSSIA
RNAV (GNSS) Rwy 18

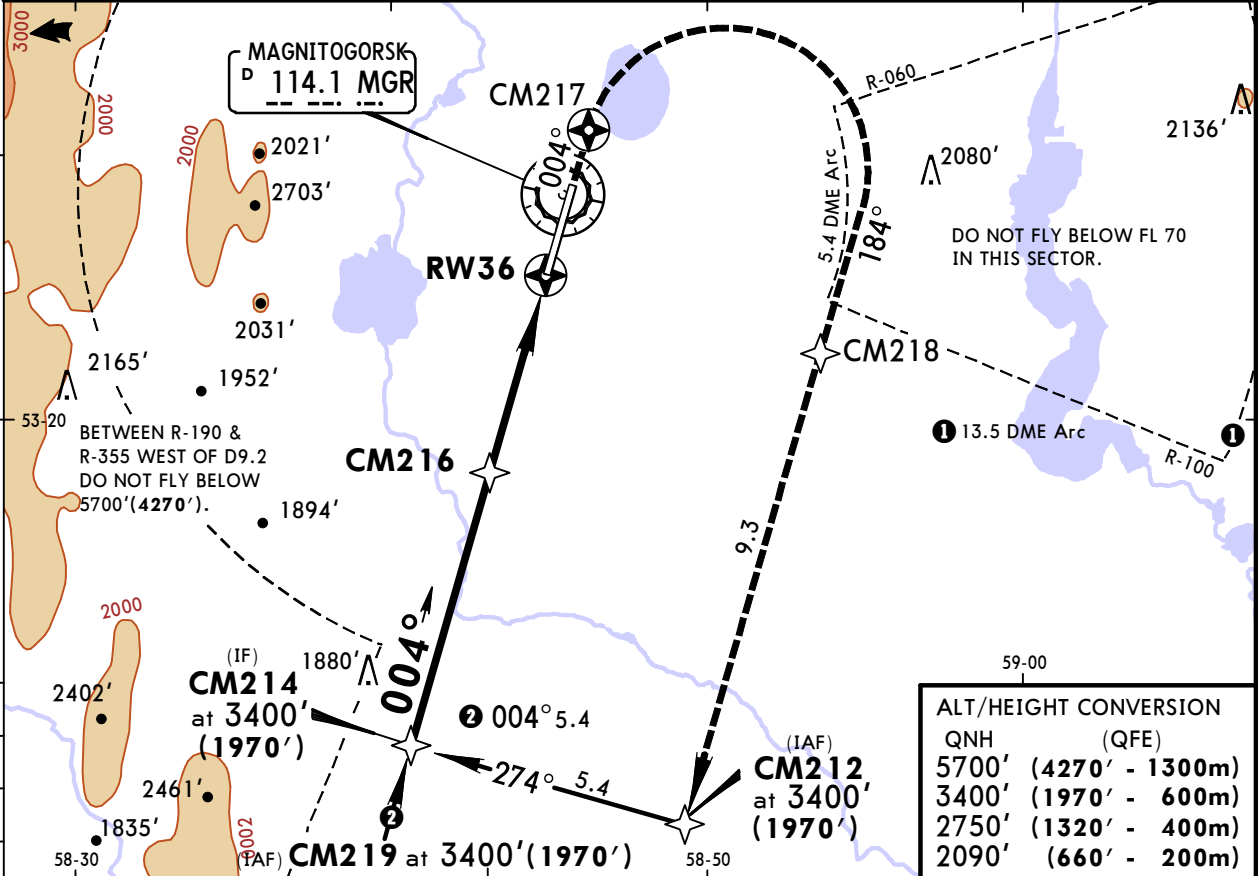


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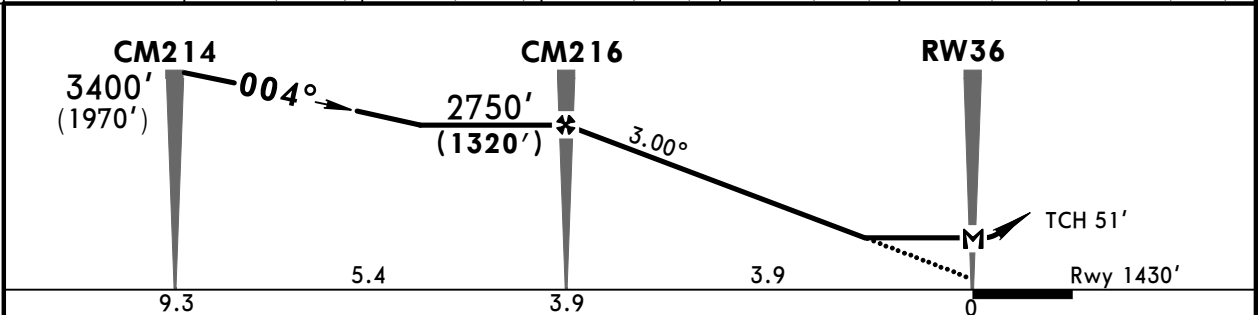
JEPPesen
7 DEC 18 (12-2)

MAGNITOGORSK, RUSSIA
RNAV (GNSS) Rwy 36

MAGNITOGORSK Tower					
120.8					
RNAV	Final Apch Crs 004°	Minimum Alt CM216 2750'(1320')	MDA(H) 1740'(310')	Apt Elev 1430' Rwy 1430'	
MISSED APCH: Climb STRAIGHT AHEAD on 004° to CM217 at 2090'(660') or or above, turn RIGHT climbing to 3400'(1970'), then proceed via CM218 at 3400'(1970') to CM212, then according to chart, or as directed.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 5700'(4270')					



DIST to RW36	3.8	3.2	2.7	2.2	1.6	1.1
ALTITUDE (HAT)	2680'(1250')	2520'(1090')	2340'(910')	2170'(740')	2010'(580')	1830'(400')



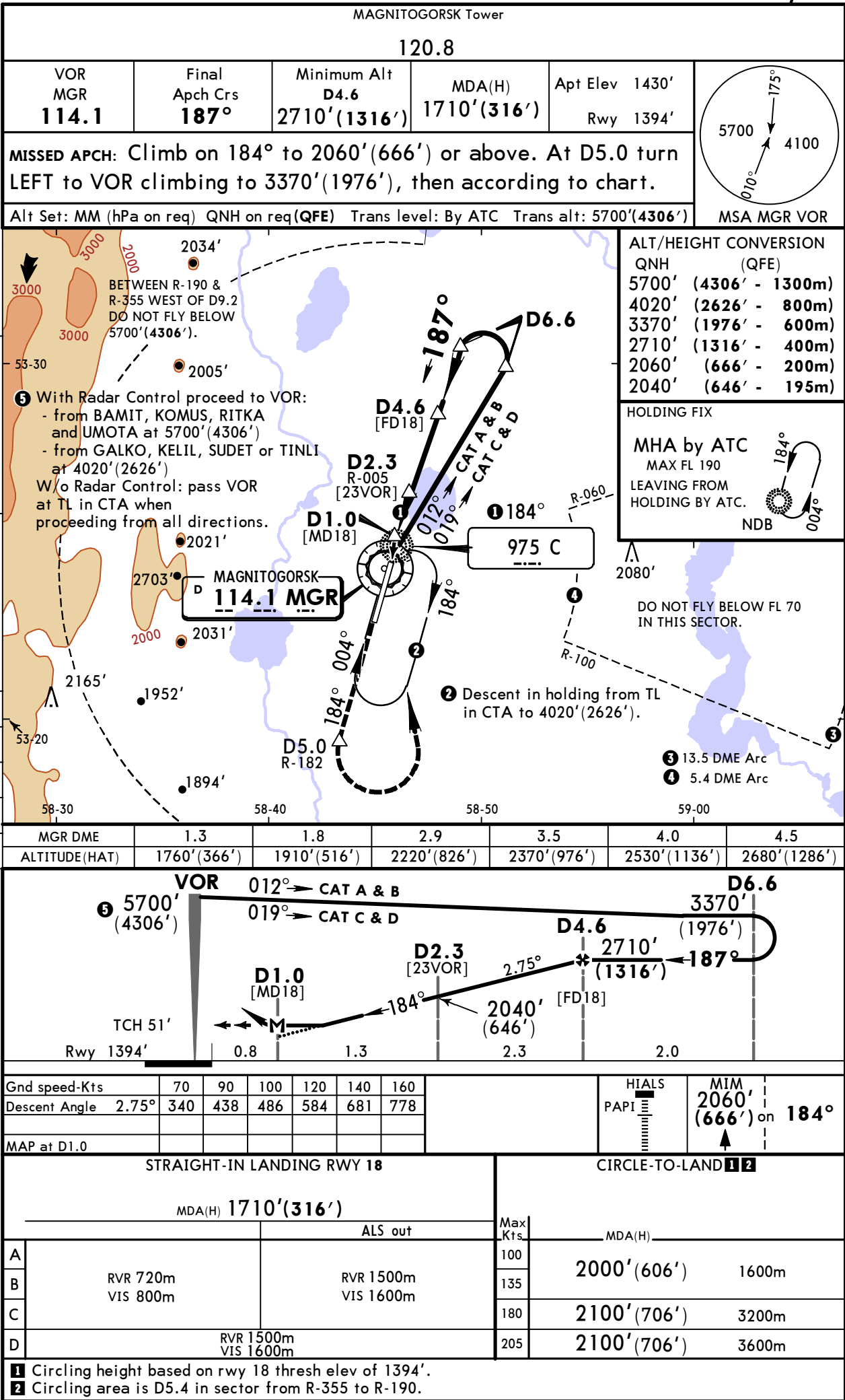
Gnd speed-Kts	70	90	100	120	140	160
Descent Angle	3.00°	372	478	531	637	743
MAP at RW36						

STRAIGHT-IN LANDING RWY 36			CIRCLE-TO-LAND 1		
MDA(H) 1740'(310')			MDA(H)		
ALS out			Max Kts		
A			100	2040'(610')	1600m
B			135	2130'(700')	3200m
C			180	2130'(700')	3600m
D			205	2130'(700')	3600m

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7 DEC 18 **13-1**

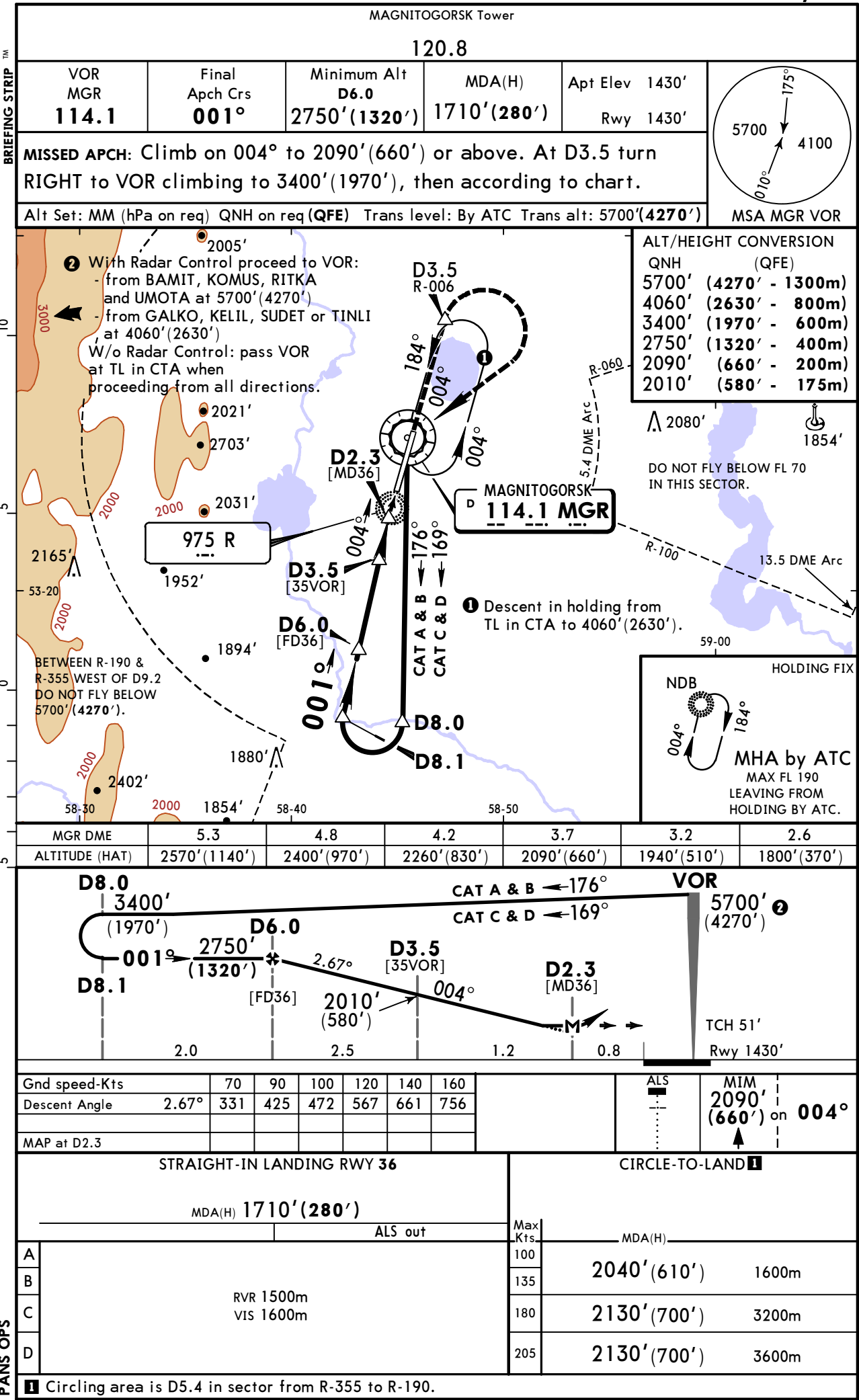
MAGNITOGORSK, RUSSIA
VOR Rwy 18



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7 DEC 18 (13-2)

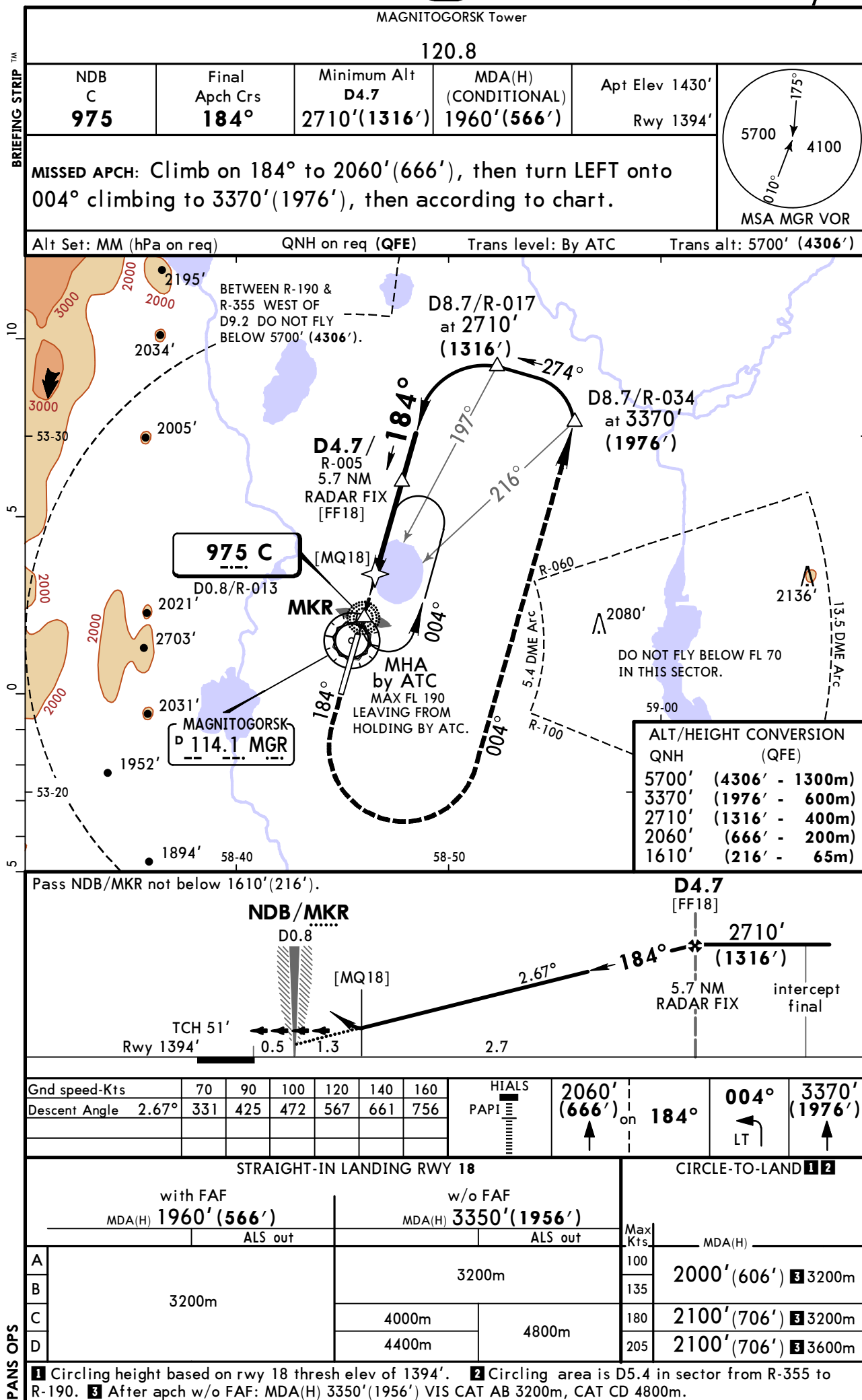
MAGNITOGORSK, RUSSIA
VOR Rwy 36



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JEPPESSEN
7 DEC 18 16-1

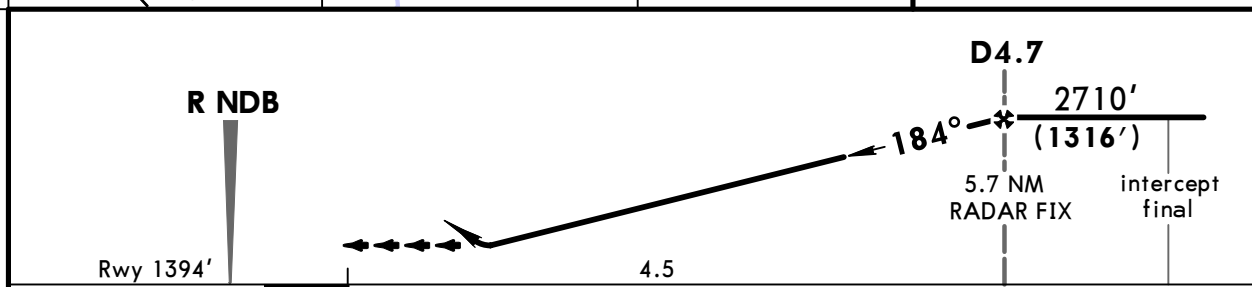
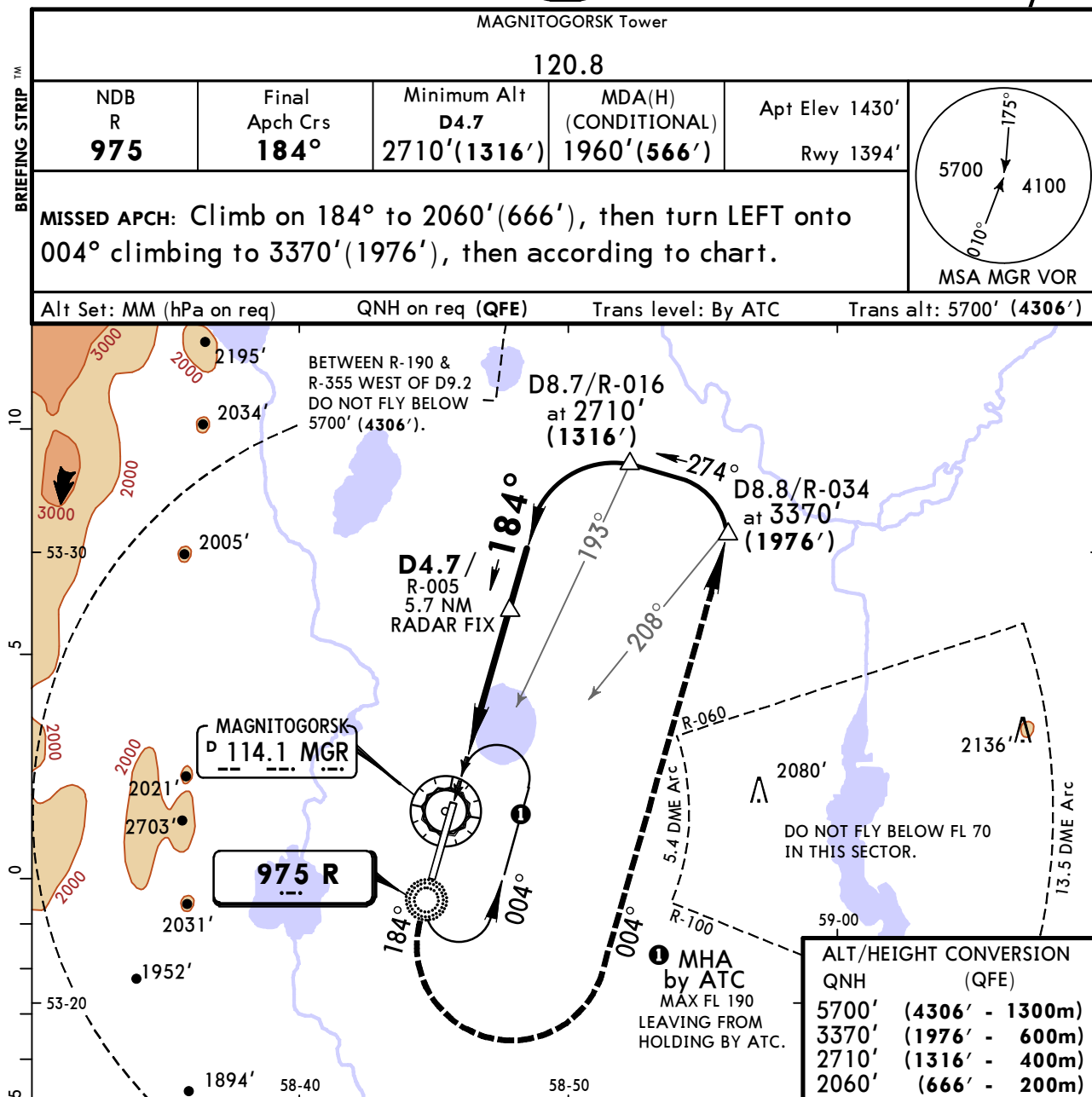
MAGNITOGORSK, RUSSIA
C NDB Rwy 18



USCM/MQF
MAGNITOGORSK

JEPPesen
7 DEC 18 16-2

MAGNITOGORSK, RUSSIA
R NDB Rwy 18



Gnd speed-Kts	70	90	100	120	140	160	HIALS	2060' (666')	on 184°	004°	3370' (1976')
Descent Angle	2.67°	331	425	472	567	661	756	PAPI		LT	

STRAIGHT-IN LANDING RWY 18						CIRCLE-TO-LAND 1 2	
with FAF			w/o FAF				
MDA(H) 1960' (566')			MDA(H) 3400' (2006')				
ALS out			ALS out			Max Kts.	MDA(H)
A	3200m		3200m			100	2000' (606') 3 3200m
B						135	
C			4000m	4800m	180	2100' (706') 3 3200m	
D			4400m		205	2100' (706') 3 3600m	

1 Circling height based on rwy 18 thresh elev of 1394'. 2 Circling area is D5.4 in sector from R-355 to R-190. 3 After apch w/o FAF: MDA(H) 3400' (2006') VIS CAT AB 3200m, CAT CD 4800m.

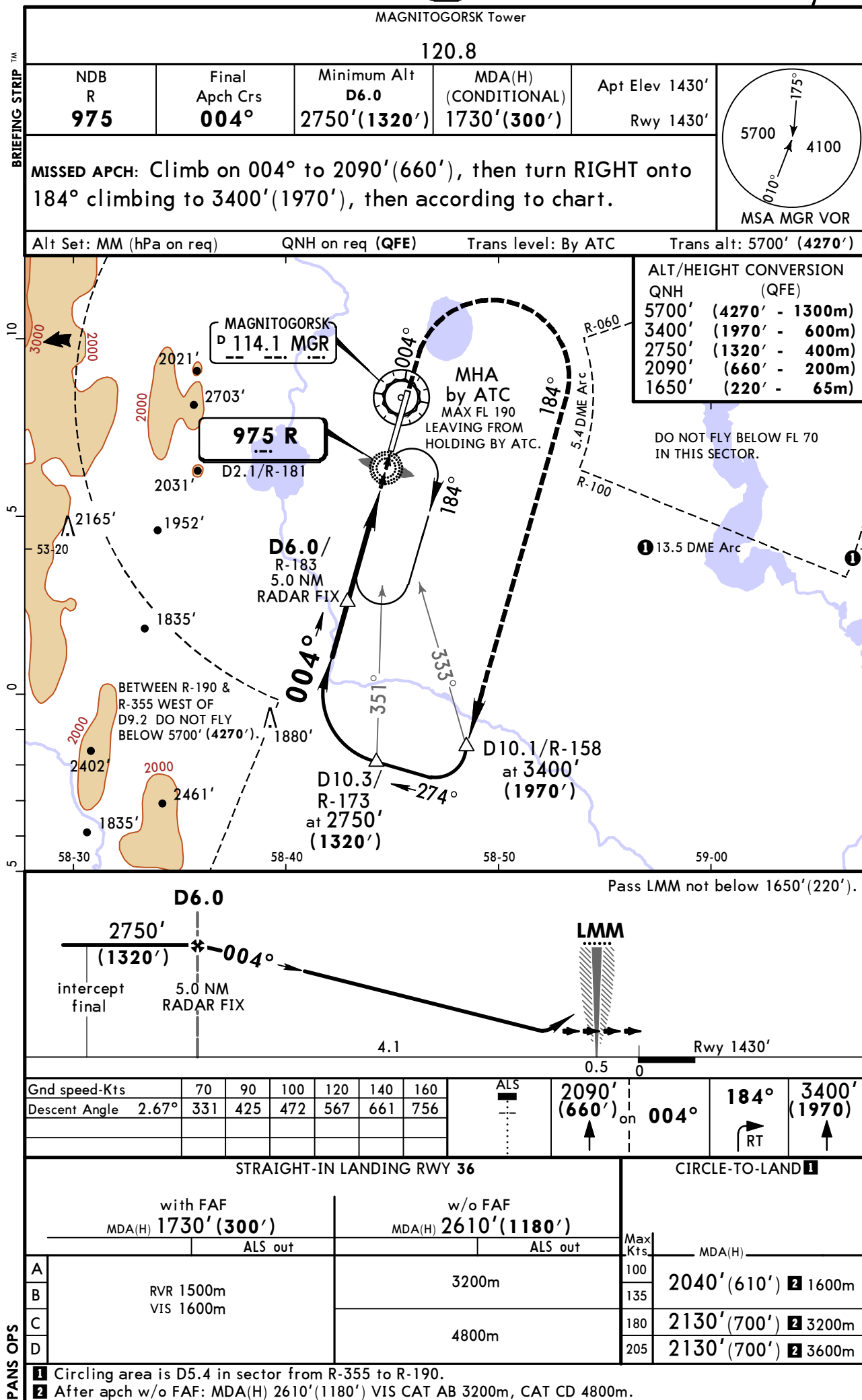
CHANGES: Approach frequency withdrawn.

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JEPPESSEN
7 DEC 18 16-3

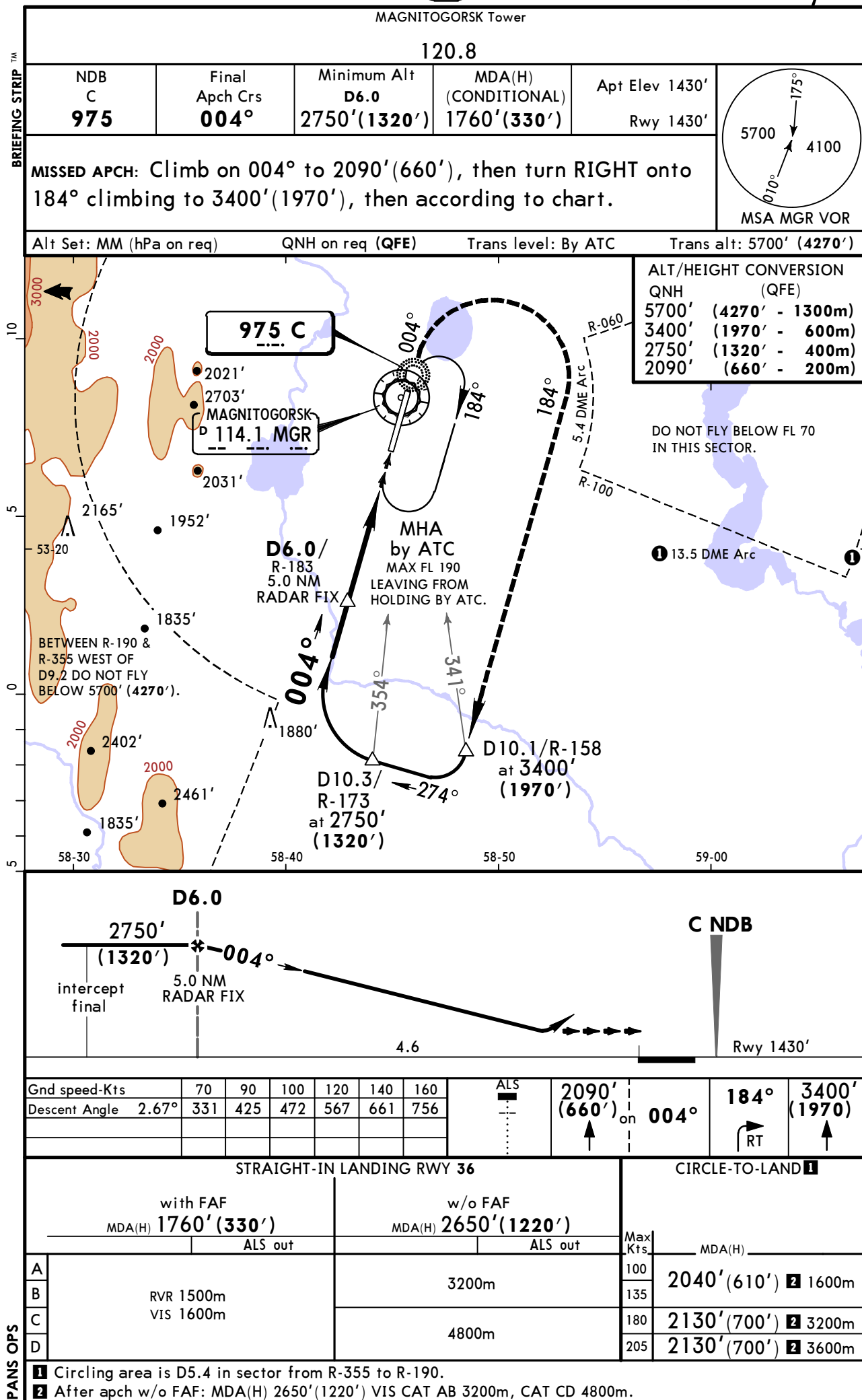
MAGNITOGORSK, RUSSIA
R NDB Rwy 36



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JEPPesen
7 DEC 18 16-4

MAGNITOGORSK, RUSSIA
C NDB Rwy 36



MAGNITOGORSK, (MAGNITOGORSK - USCM)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport USCM