

List of pages in this Trip Kit

Trip Kit Index

Airport Information For USCM

Terminal Charts For USCM

Revision Letter For Cycle 23-2013

Change Notices

Notebook

General Information

Location: Magnitogorsk Rus
IATA Code: MQF
Lat/Long: N53° 23.6' E058° 45.4'
Elevation: 1430 ft

Airport Use: Public
Magnetic Variation: 12.1°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: 0326 Z
Sunset: 1213 Z,

Runway Information

Runway: 01
Length x Width: 10663 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 1430 ft
Lighting: Edge, ALS

Runway: 19
Length x Width: 10663 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 1394 ft
Lighting: Edge, ALS

Communication Information

ATIS 132.8
Magnitogorsk Tower 124.0 Secondary
Magnitogorsk Tower 120.8

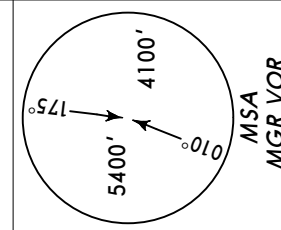
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

BURIG 1A [BUR11A], OLMAD 1A [OLMA1A] ③
RINUL 1A [RINU1A], ULTEK 1A [ULTE1A] ③
RWY 01 ARRIVALS



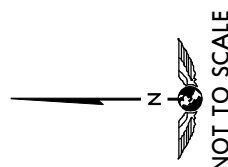
③ Only for Russian users of airspace.
By ATC.

ULTEK
N53 40.7 E059 38.3
(MGR R-051/D35.6)

Between
FL200
&
FL80

BURIG
N53 24.5 E059 39.1
(MGR R-078/D32.2)

Between
FL200
&
FL100 ①



① Below FL100
by ATC.

ALT/HEIGHT CONVERSION (QFE)		
QNH		
5370'	(3940' - 1200m)	
3400'	(1970' - 600m)	
2750'	(1320' - 400m)	

OLMAD
N53 53.7 E059 22.6

RINUL
N53 53.2 E059 00.0

GALKO
N53 47.4 E058 57.2
(MGR R-005/D24.3)

At or above
FL80

② Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3940').

OLMAD 1A ③
N53 53.2 E059 00.0
←205°

SUDET
N53 43.6 E059 09.8
(MGR R-026/D24.3)

At or above
FL80

ULTEK 1A ③
N53 40.7 E059 38.3
←231°

Between
FL200
&
FL80

BURIG 1A
N53 24.5 E059 39.1
←259°

TITUR
N53 24.1 E061 09.4

TINLI
N53 33.2 E059 14.4
(MGR R-051/D19.5)

BURIG 1A
N53 24.5 E059 39.1
←289°

RINUL 1A
N53 53.2 E059 00.0
←185°

GALKO
N53 47.4 E058 57.2
(MGR R-005/D24.3)

At or above
FL80

MAGNITOGORSK
N53 24.3 E058 45.5
(H) 114.1 MGR

480 RF
N53 20.6 E058 43.9

D5.7 MGR
N53 19.7 E058 51.1
(MGR R-132)

At 3400' (1970')

D10.0 MGR
N53 14.3 E058 48.3
(MGR R-160)

At 3400' (1970')

D10.3 MGR
N53 14.0 E058 43.9
(MGR R-174)

At 2750' (1320')

Intercept final at
2750' (1320')

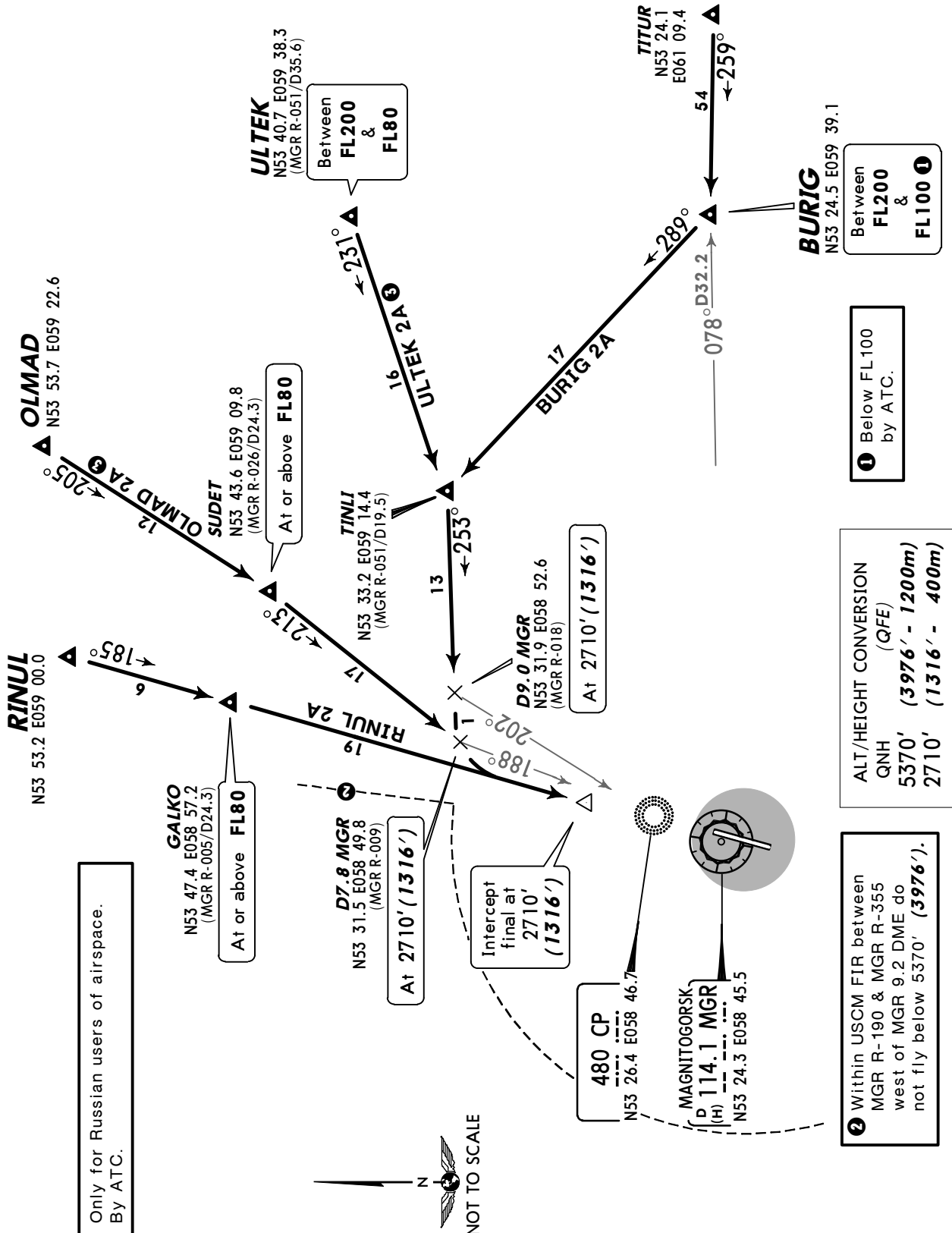
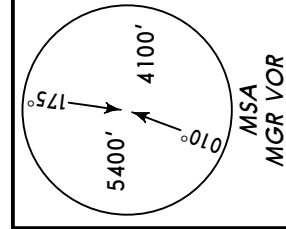
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3976')

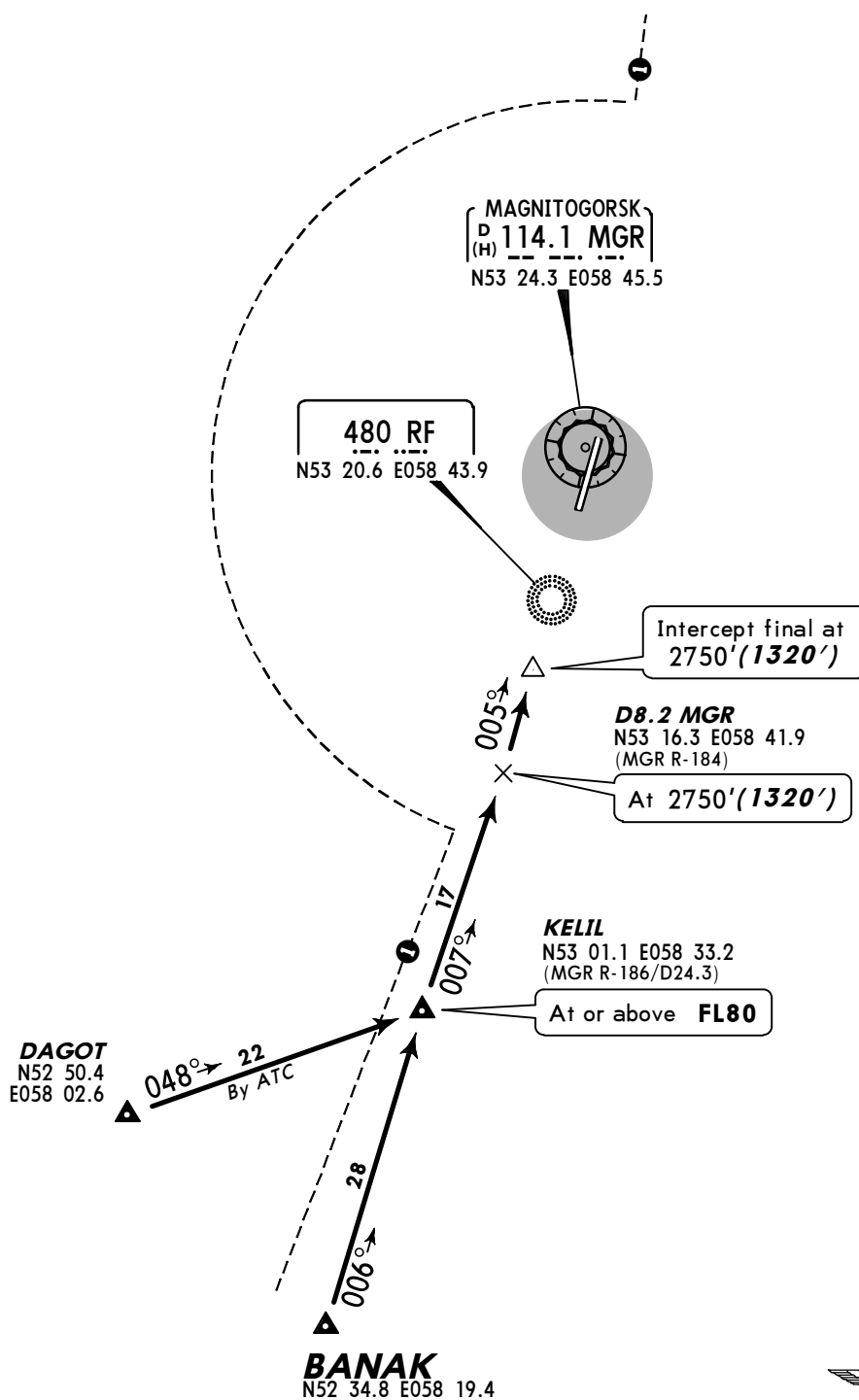
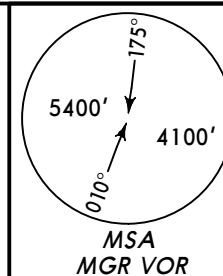
(QFE)

BURIG 2A [BURI2A], OLMAD 2A [OLMA2A] ③
RINUL 2A [RINU2A], ULTEK 2A [ULTE2A] ③
RWY 19 ARRIVALS



ATIS
132.8Apt Elev
1430'Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

BANAK 1A [BANA 1A]
RWY 01 ARRIVAL

ALT/HEIGHT CONVERSION

QNH (QFE)
5370' (3940' - 1200m)
2750' (1320' - 400m)

(QFE)

STAR

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3976' - 1200m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

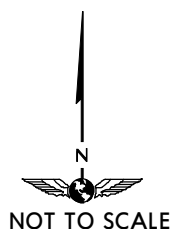
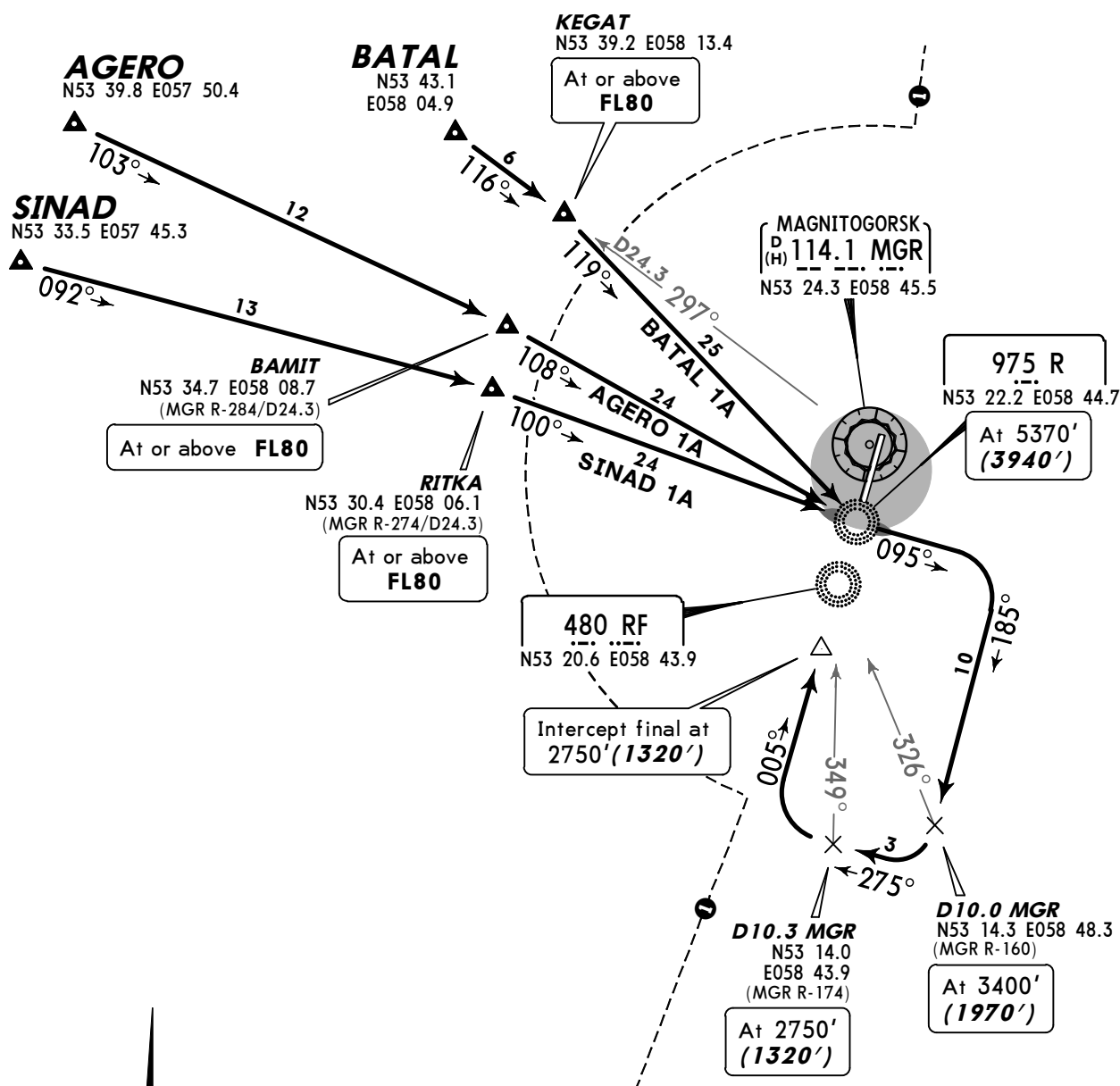
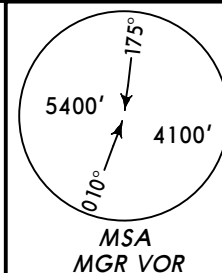
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

AGERO 1A [AGER1A], BATAL 1A [BATA1A]
SINAD 1A [SINA1A]
RWY 01 ARRIVALS



NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3940' - 1200m)
3400'	(1970' - 600m)
2750'	(1320' - 400m)

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3940').

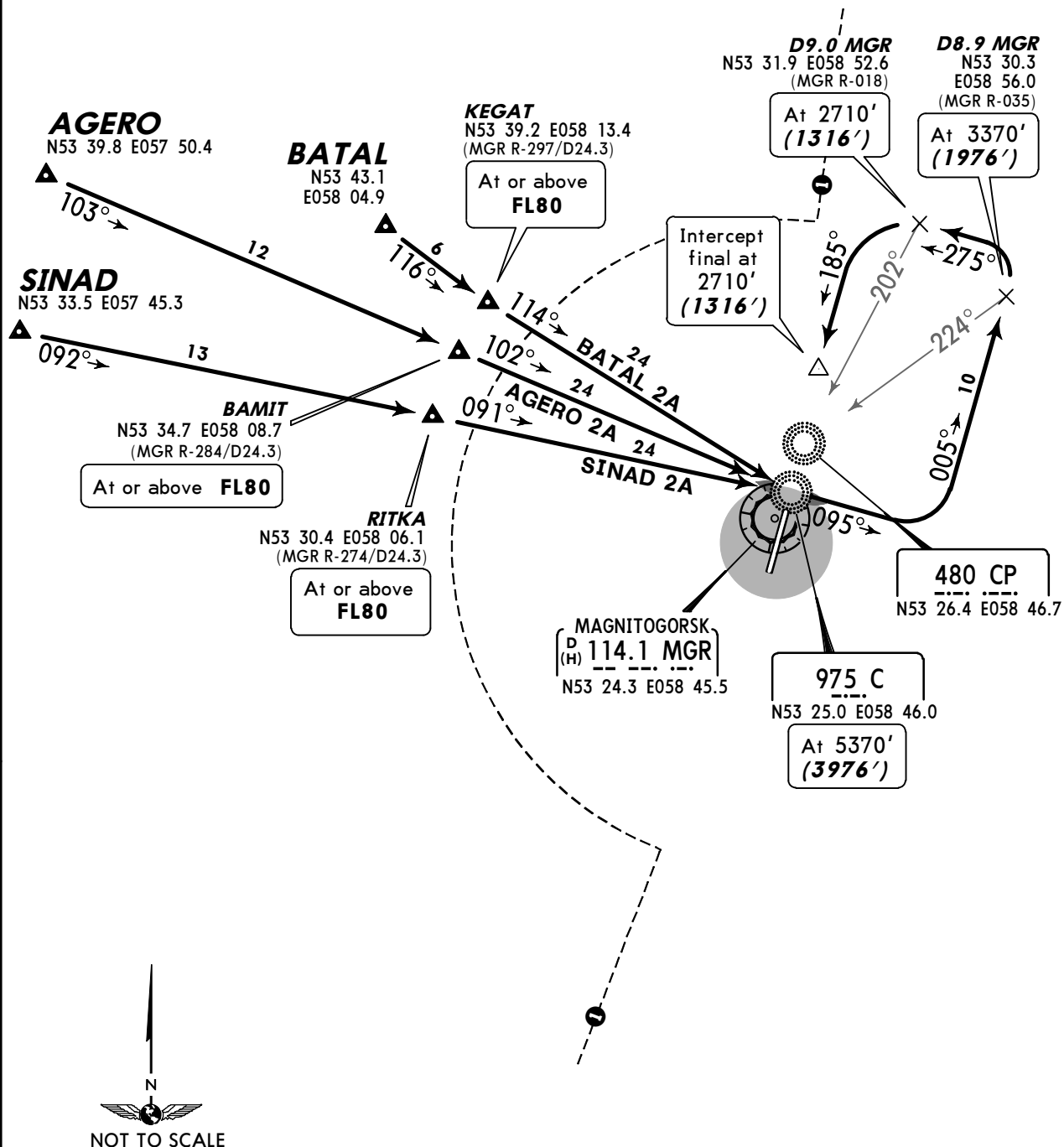
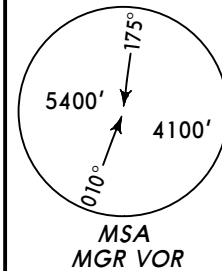
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3976')

(QFE)

AGERO 2A [AGER2A], BATAL 2A [BATA2A]
SINAD 2A [SINA2A]
RWY 19 ARRIVALS



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3976' - 1200m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3976').

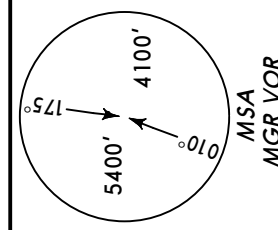
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

BURIG 1B [BURI1B], OLMAD 1B [OLMA1B] ③
RINUL 1B [RINU1B], ULTEK 1B [ULTE1B] ③
RWY 01 ARRIVALS
WITHOUT RADAR CONTROL



③ Only for Russian users of airspace.
By ATC.

ULTEK
N53 40.7 E059 38.3
(MGR R-051/D35.6)

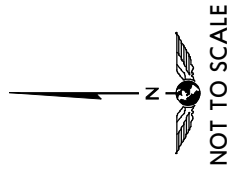
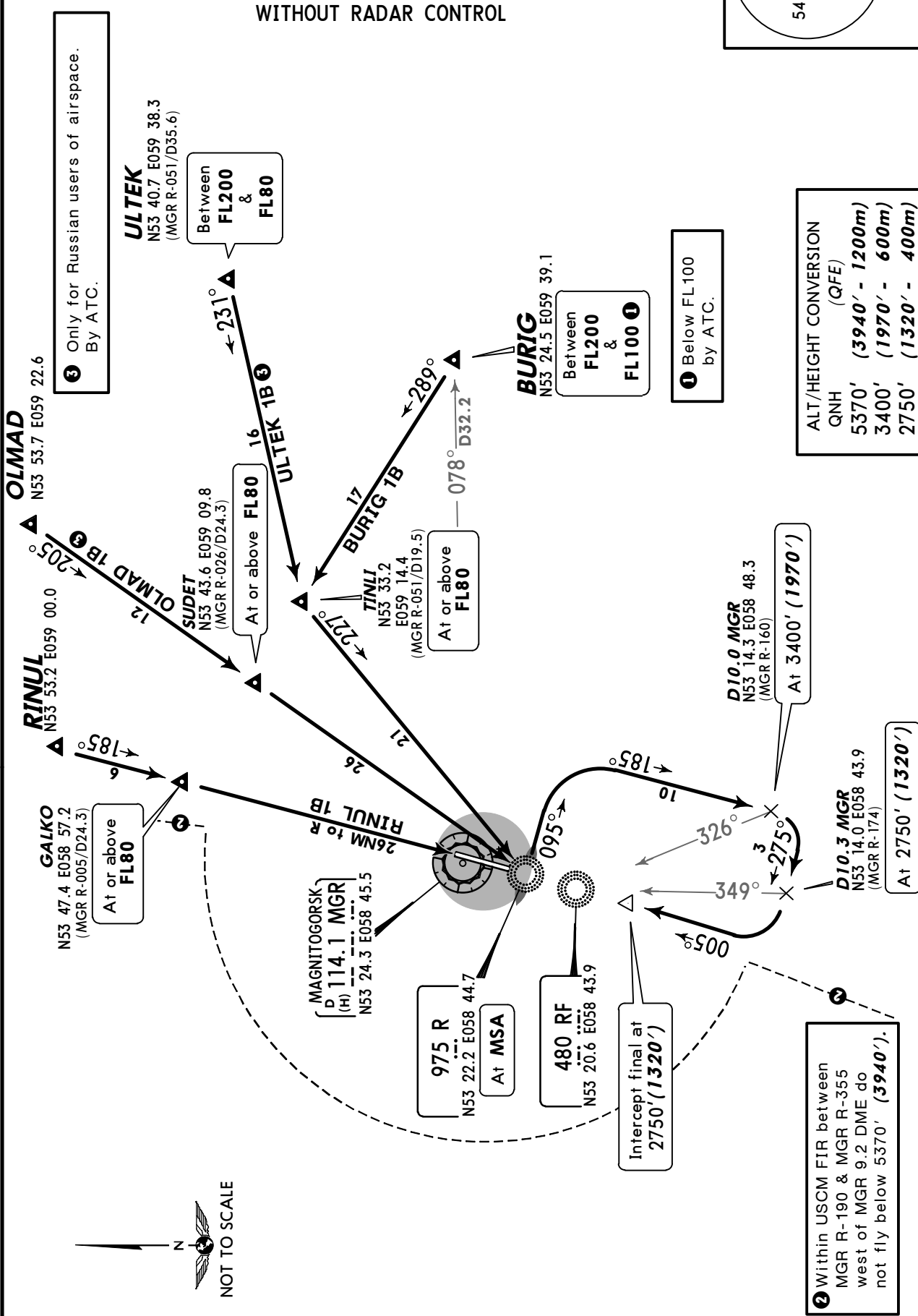
Between
FL200
&
FL80

BURIG
N53 24.5 E059 39.1

Between
FL200
&
FL100 ①

① Below FL100
by ATC.

ALT/HEIGHT CONVERSION
(QFE)
QNH
5370' (3940' - 1200m)
3400' (1970' - 600m)
2750' (1320' - 400m)



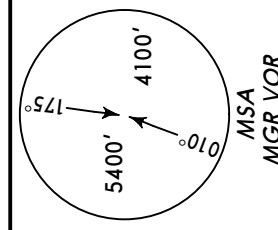
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3976')

(QFE)

BURIG 2B [BURI2B], OLMAD 2B [OLMA2B] ③
RINUL 2B [RINU2B], ULTEK 2B [ULTE2B] ③
RWY 19 ARRIVALS
WITHOUT RADAR CONTROL



③ Only for Russian users of airspace.
By ATC.

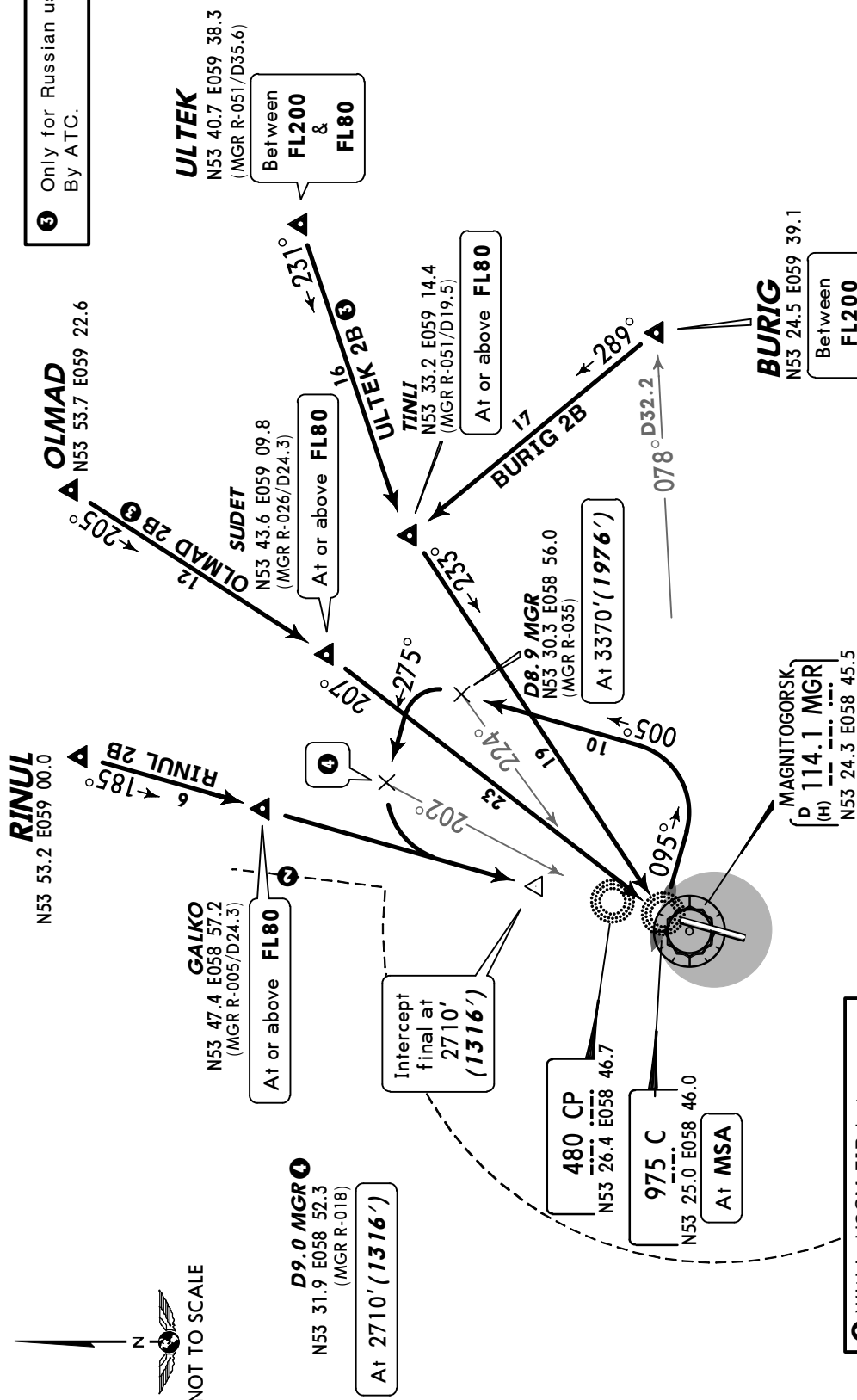
ULTEK
N53 40.7 E059 38.3
(MGR R-051/D35.6)

Between
FL200
&
FL80

BURIG
N53 24.5 E059 39.1

Between
FL200
&
FL100 ①

① Below FL100
by ATC.



ALT/HEIGHT CONVERSION	(QFE)
QNH	
5370'	(3976' - 1200m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

② Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').

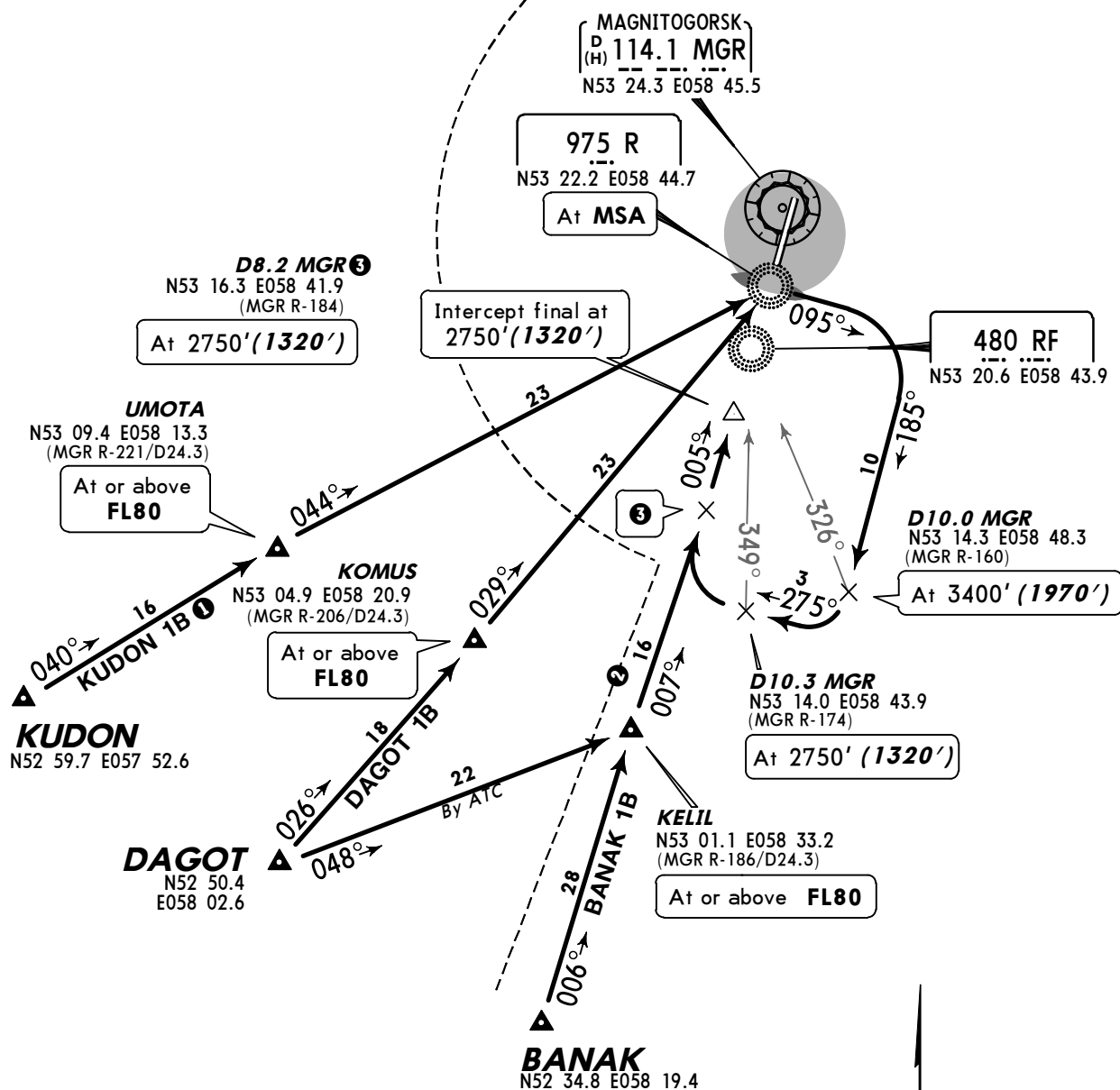
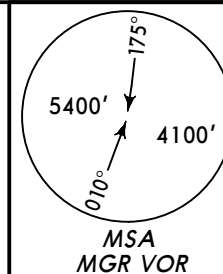
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

**BANAK 1B [BANA1B], DAGOT 1B[DAGO1B]
KUDON 1B[KUDO1B]①
RWY 01 ARRIVALS
WITHOUT RADAR CONTROL**



① Only for Russian users of airspace.
By ATC.

② Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3940').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3940' - 1200m)
3400'	(1970' - 600m)
2750'	(1320' - 400m)

(QFE)

MSA
MGR VOR

D9.0 MGR
N53 31.9 E058 52.3
(MGR R-018)

Intercept
final at
2710'
(1316')

BANAK
N52 34.8 E058 19.4

QNH	(QFE)
5370'	(3976' - 1200m)
3370'	(1976' - 600m)
2710'	(1316' - 400m)

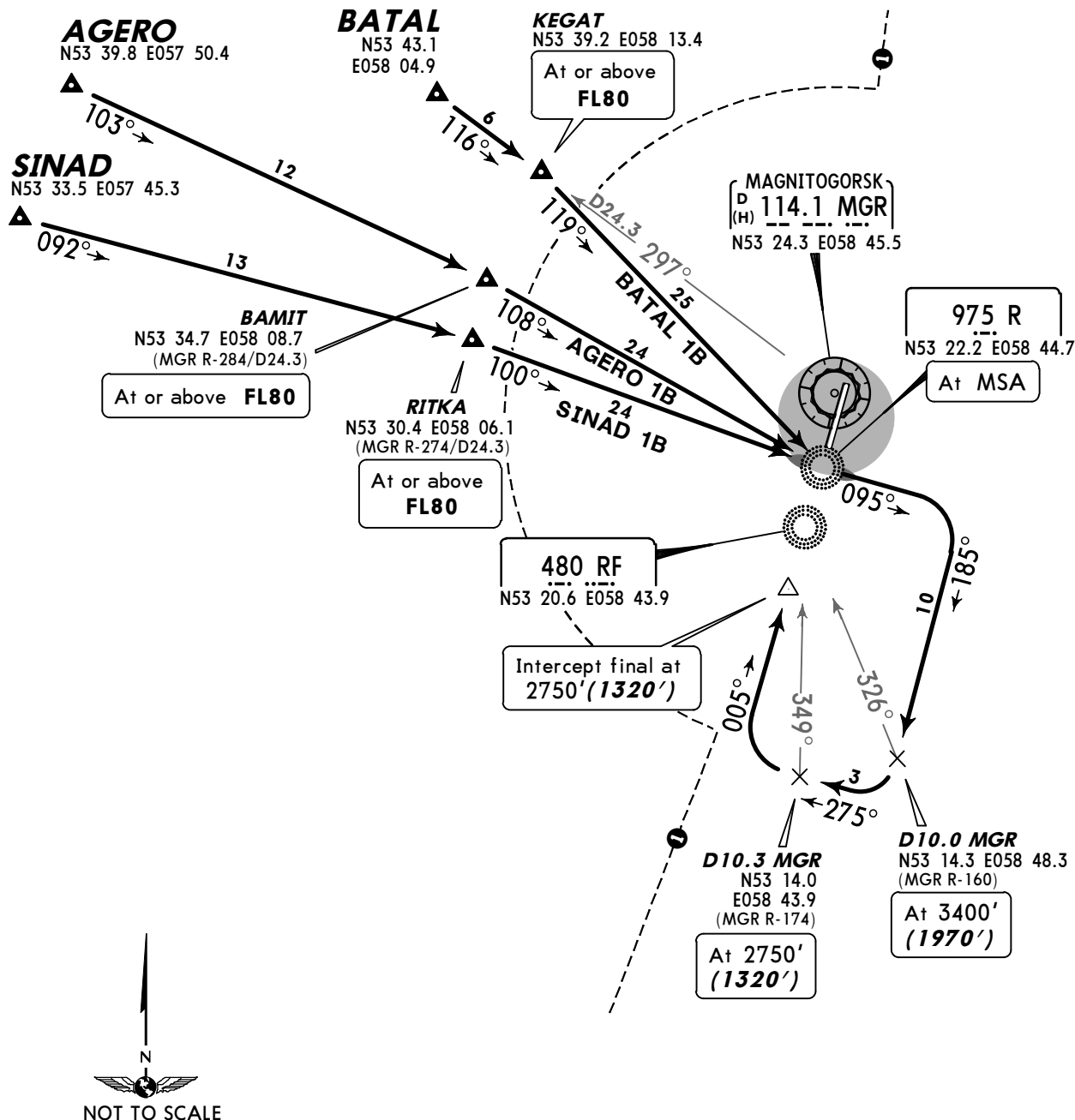
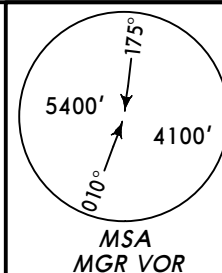
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3940')

(QFE)

AGERO 1B [AGER1B], BATAL 1B [BATA1B]
SINAD 1B [SINA1B]
RWY 01 ARRIVALS
WITHOUT RADAR CONTROL



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3940' - 1200m)
3400'	(1970' - 600m)
2750'	(1320' - 400m)

① Within USCM FIR between
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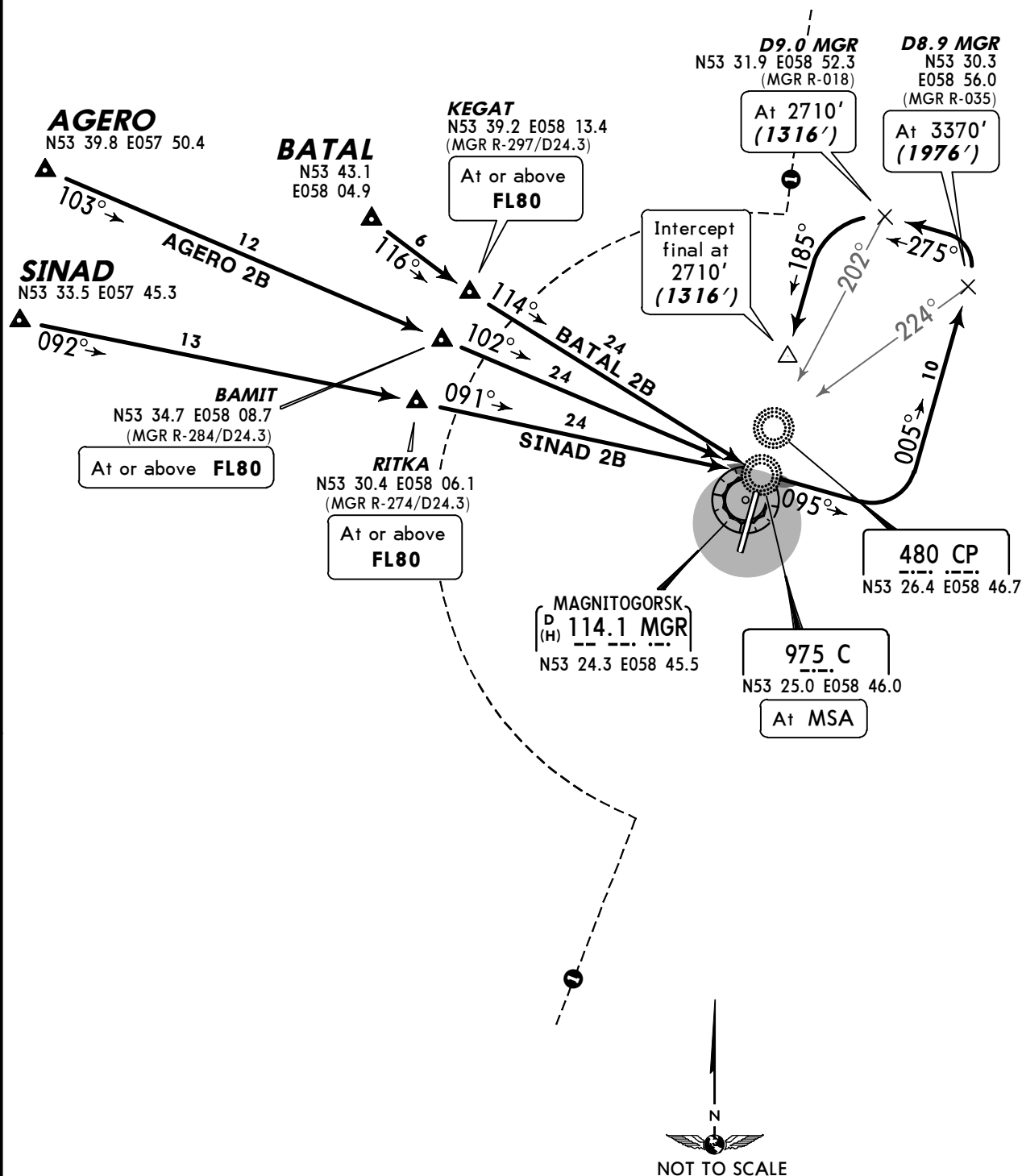
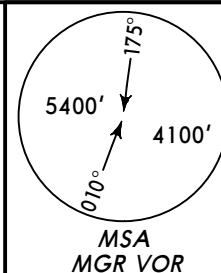
ATIS
132.8

Apt Elev
1430'

Alt Set: MM (hPa on request) QNH on request
Trans level: By ATC Trans alt: 5370' (3976')

(QFE)

AGERO 2B [AGER2B], BATAL 2B [BATA2B]
SINAD 2B [SINA2B]
RWY 19 ARRIVALS
WITHOUT RADAR CONTROL



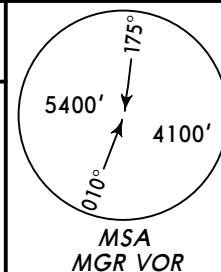
ALT/HEIGHT CONVERSION

QNH (QFE)
5370' (3976' - 1200m)
3370' (1976' - 600m)
2710' (1316' - 400m)

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').

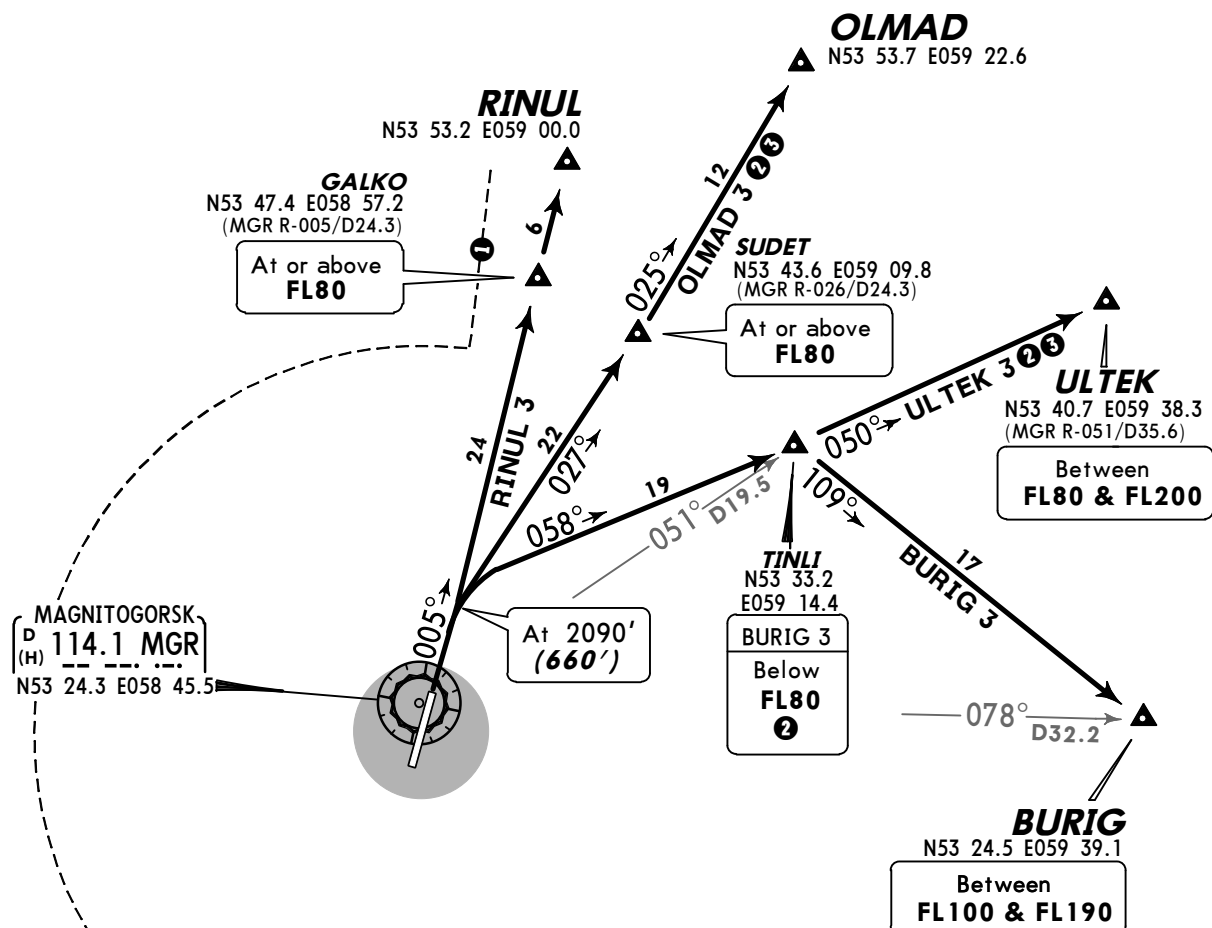
Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3940')

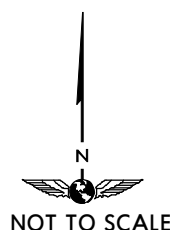


BURIG 3, OLMAD 303
RINUL 3, ULTEK 303
RWY 01 DEPARTURES

- ② By ATC.
- ③ Only for Russian users of airspace.



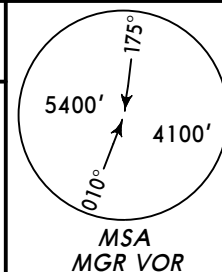
- ① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3940').



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2090'	(660' - 200m)
5370'	(3940' - 1200m)

Apt Elev
1430'

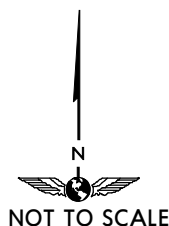
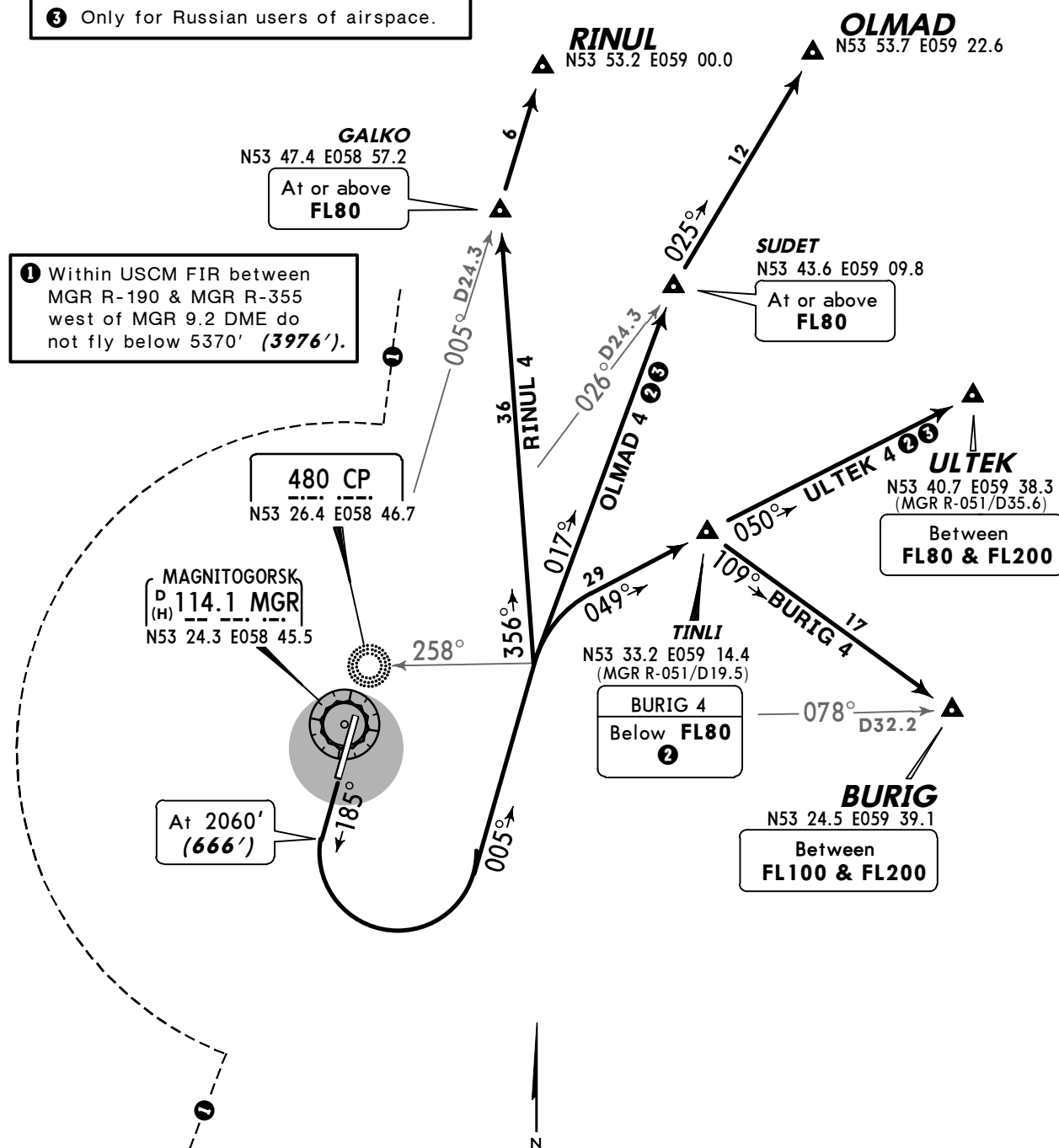
QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')



BURIG 4, OLMAD 4 ②③
RINUL 4, ULTEK 4 ②③
RWY 19 DEPARTURES

- ② By ATC.
- ③ Only for Russian users of airspace.

① Within USCM FIR between
MGR R-190 & MGR R-355
west of MGR 9.2 DME do
not fly below 5370' (3976').



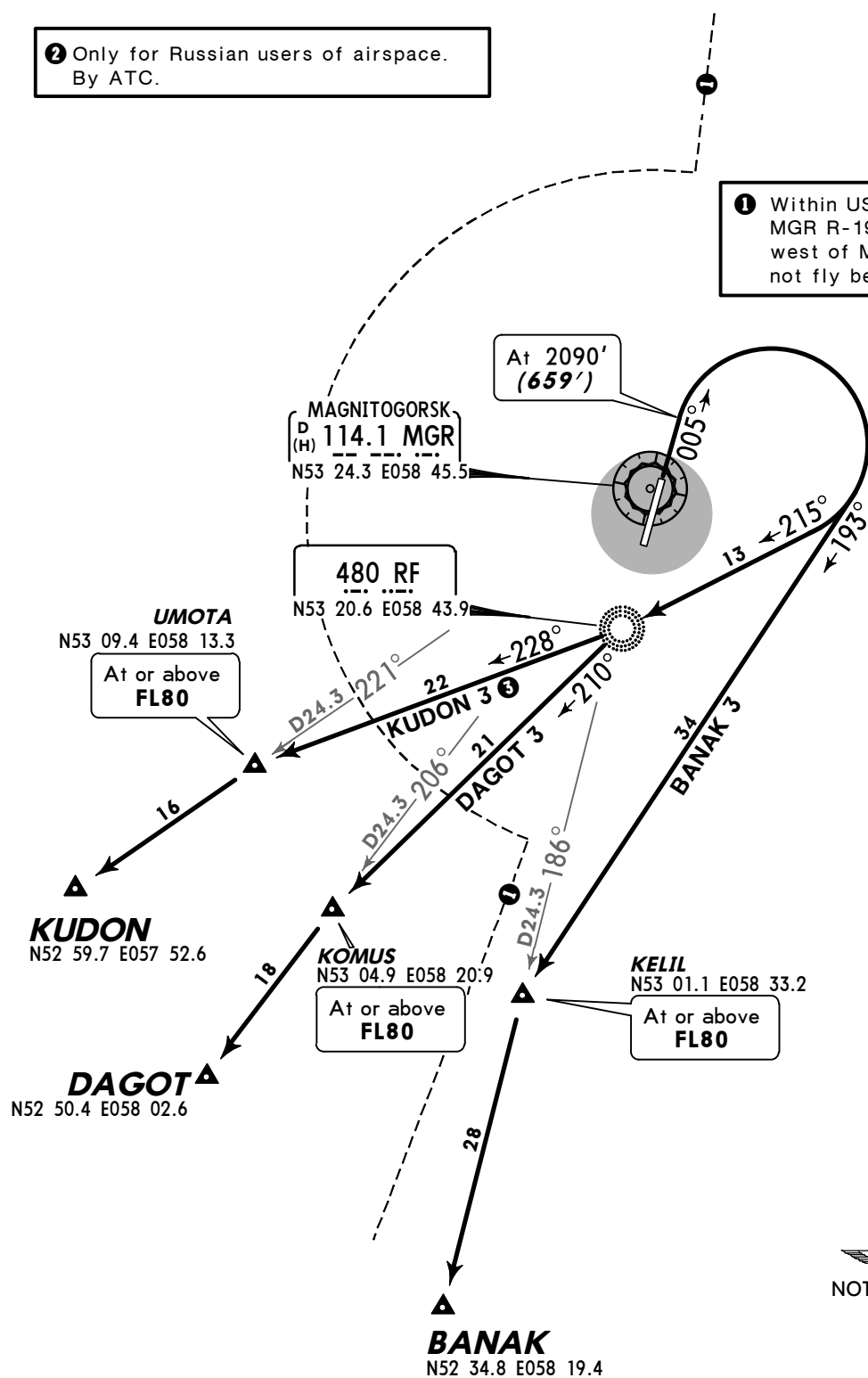
ALT/HEIGHT CONVERSION
QNH (QFE)
2060' (666' - 200m)
5370' (3976' - 1200m)

QNH on request **(QFE)**
Trans level: By ATC Trans alt: 5370' **(3940')**

MSA
MGR VOR

② Only for Russian users of airspace.
By ATC.

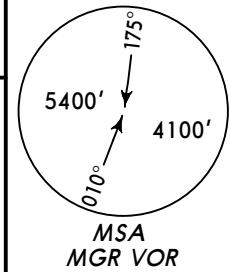
① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (**3940'**).



ALT/HEIGHT CONVERSION
QNH (QFE)
2090' (660' - 200m)
5370' (3940' - 1200m)

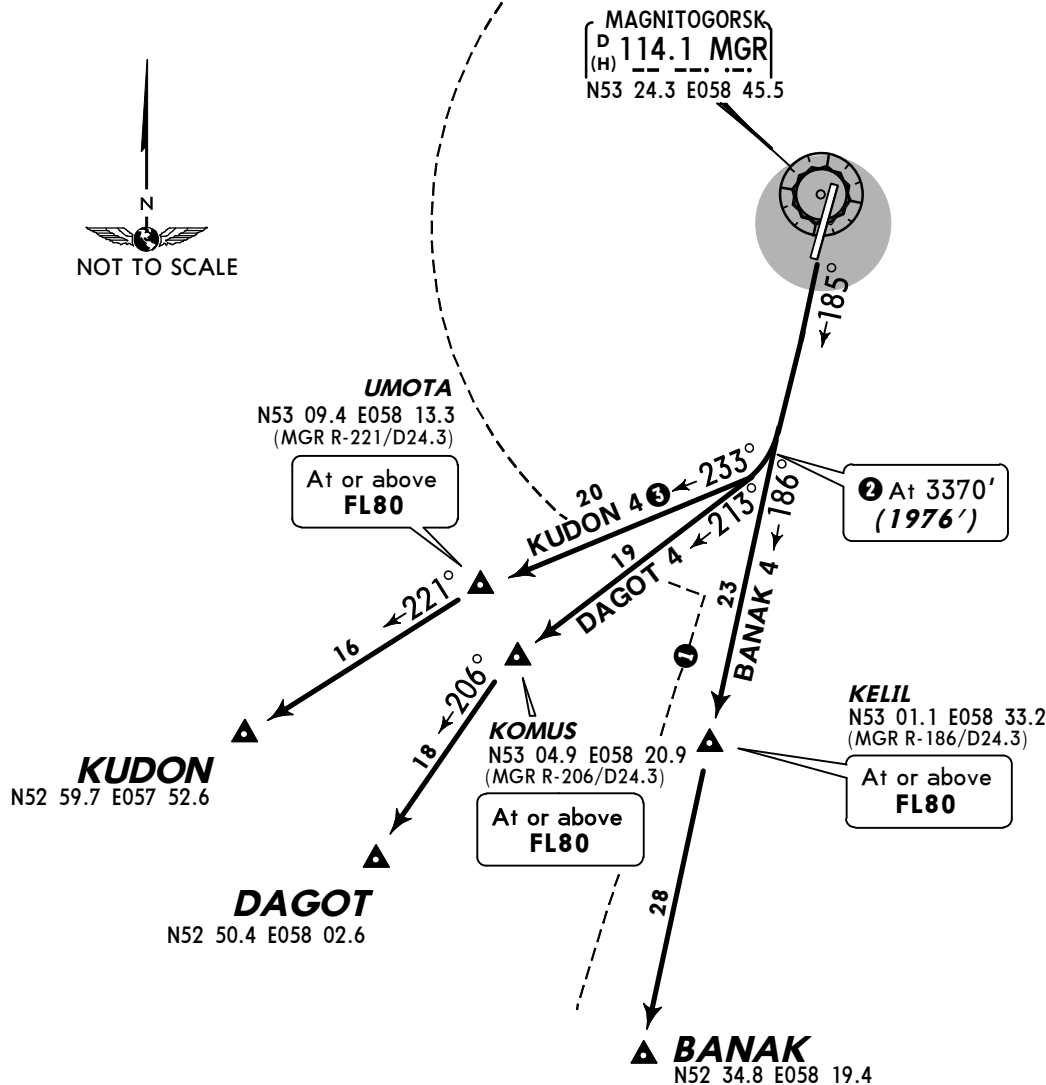
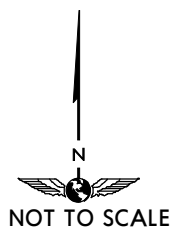
Apt Elev
1430'

QNH on request (QFE)
Trans level: By ATC Trans alt: 5370' (3976')



BANAK 4, DAGOT 4
KUDON 4
RWY 19 DEPARTURES

③ Only for Russian users of airspace.
By ATC.



② WARNING

Flying to KOMUS and UMOTA requires a minimum climb gradient of 7.5% from the commencement of the initial turn up to 5370' (3976').

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

If unable to comply, climb straight ahead to 5370' (3976').

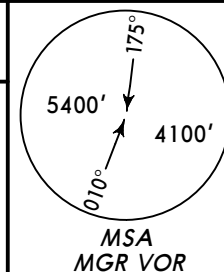
① Within USCM FIR between MGR R-190 & MGR R-355 west of MGR 9.2 DME do not fly below 5370' (3976').

ALT/HEIGHT CONVERSION	
QNH	(QFE)
3370'	(1976' - 600m)
5370'	(3976' - 1200m)

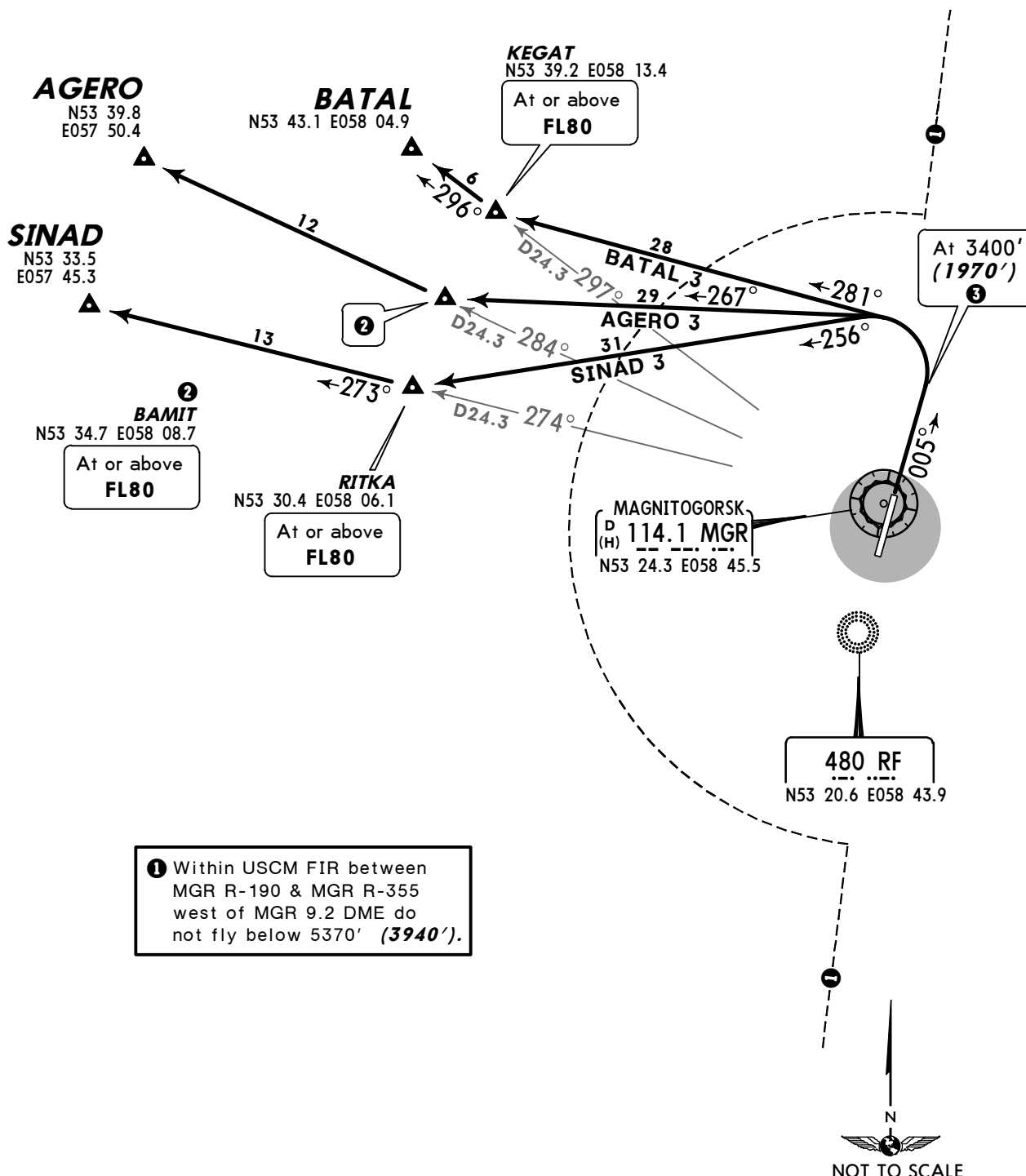
Apt Elev
1430'

QNH on request (QFE)

Trans level: By ATC Trans alt: 5370' (3940')



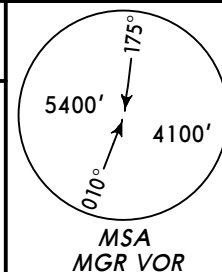
AGERO 3, Batal 3, SINAD 3 RWY 01 DEPARTURES



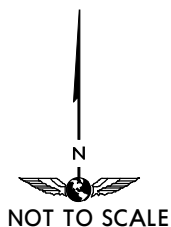
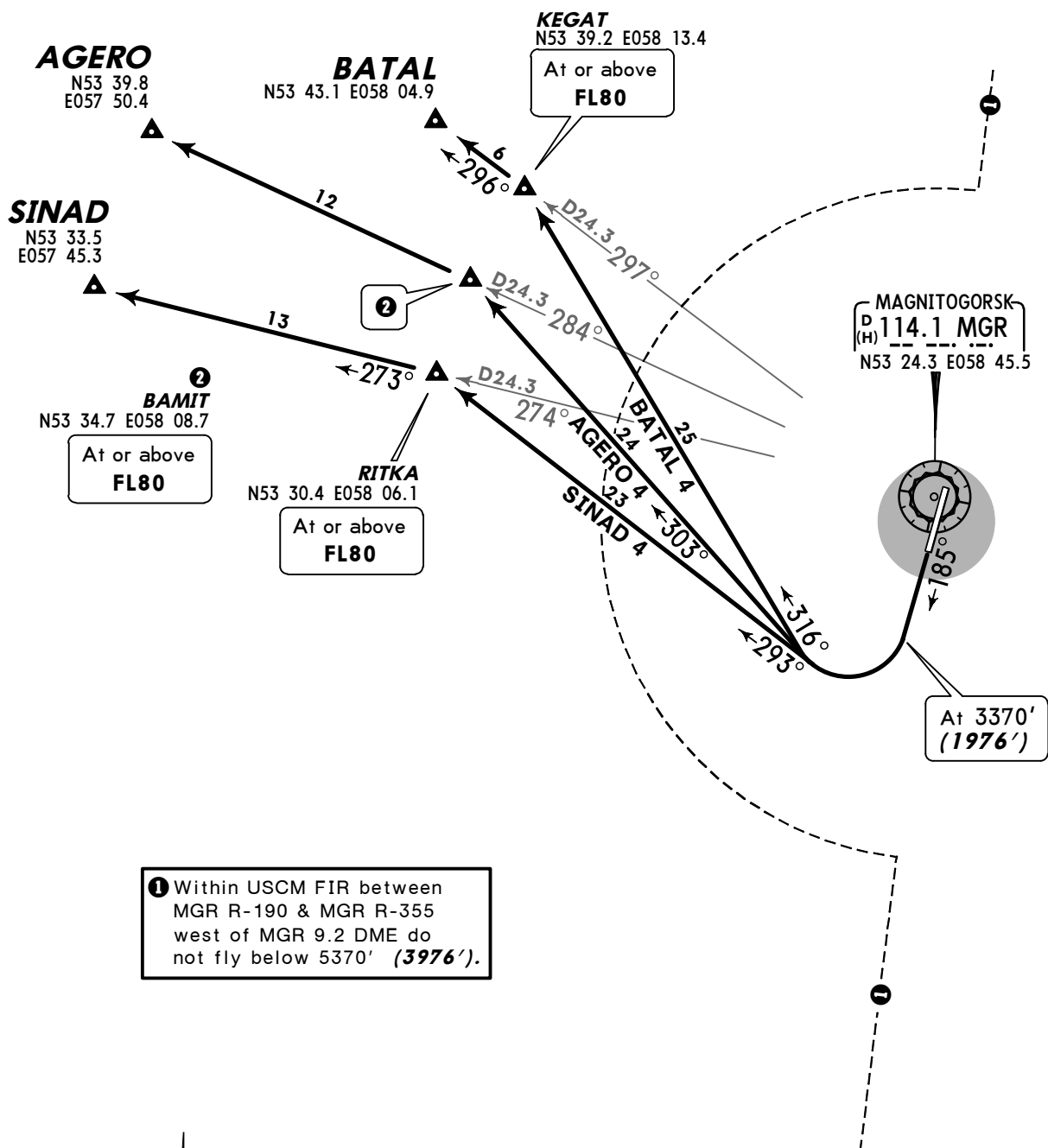
Apt Elev
1430'

QNH on request (QFE)

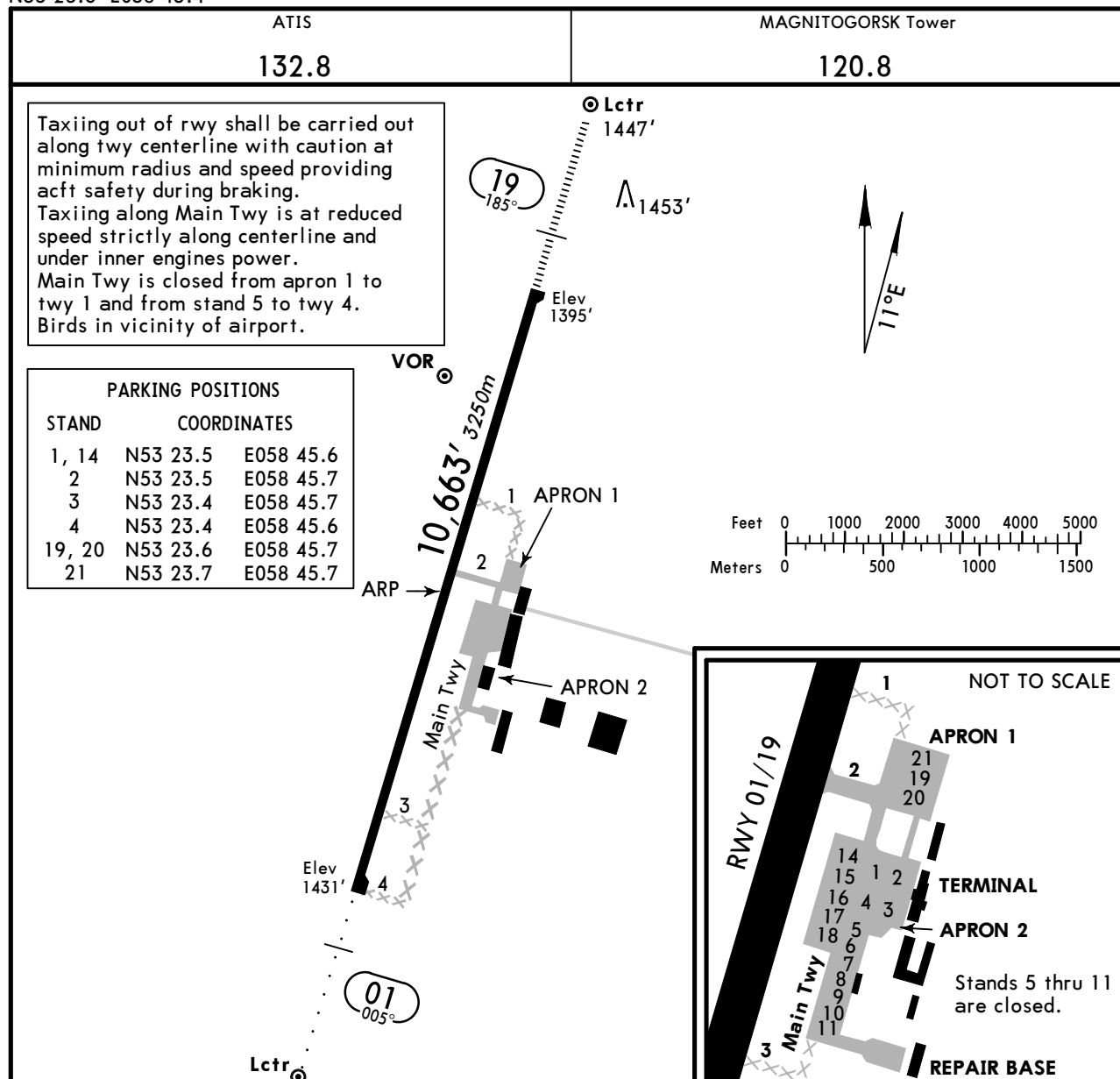
Trans level: By ATC Trans alt: 5370' (3976')



AGERO 4, Batal 4, SINAD 4 RWY 19 DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3370'	(1976' - 600m)
5370'	(3976' 1200m)



ADDITIONAL RUNWAY INFORMATION								
RWY					USABLE LENGTHS		WIDTH	
					LANDING BEYOND			
					Threshold	Glide Slope	TAKE-OFF	
01	HIRL (60m)	ALS		RVR		9509' 2898m	10,335'	148'
19	HIRL (60m)	HIALS	PAPI-L (angle 2.67°)	RVR			3150m ①	

① First 328'/100m unusable for take-off.

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

STRAIGHT-IN RWY		A	B	C	D
01	ILS	1631' (200')	1631' (200')	1631' (200')	1631' (200')
		R1000m	R1000m	R1000m	R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	VOR ❶	1720' (289')	1720' (289')	1720' (289')	1720' (289')
		R1200m	R1200m	R1200m	R1200m
	<i>ALS out</i>	R1400m	R1400m	R1400m	R1400m
	NDB ❶ ❷	1740' (309')	1740' (309')	1740' (309')	1740' (309')
		R1200m	R1200m	R1200m	R1200m
	<i>ALS out</i>	R1400m	R1400m	R1400m	R1400m
19	NDB ❸	2400' (969')	2400' (969')	2400' (969')	2400' (969')
		C4500m	C4500m	C4700m	C4700m
	<i>ALS out</i>	C4700m	C4700m	C4900m	C4900m
	ILS	1595' (200')	1595' (200')	1595' (200')	1595' (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
	VOR ❶	1720' (325')	1720' (325')	1720' (325')	1720' (325')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1500m	R1500m	R1500m	R1500m
	NDB ❶ ❹	1720' (325')	1720' (325')	1720' (325')	1720' (325')
		R800m	R800m	R800m	R800m
	<i>ALS out</i>	R1500m	R1500m	R1500m	R1500m
	NDB ❺	2200' (805')	2200' (805')	2200' (805')	2200' (805')
		C3300m	C3300m	C3500m	C3500m
	<i>ALS out</i>	C4000m	C4000m	C4200m	C4200m

❶ Continuous Descent Final Approach

❷ With D6.0 MGR

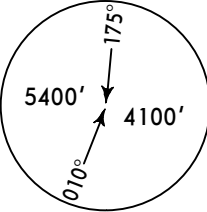
❸ W/o D6.0 MGR

❹ With D4.7 MGR

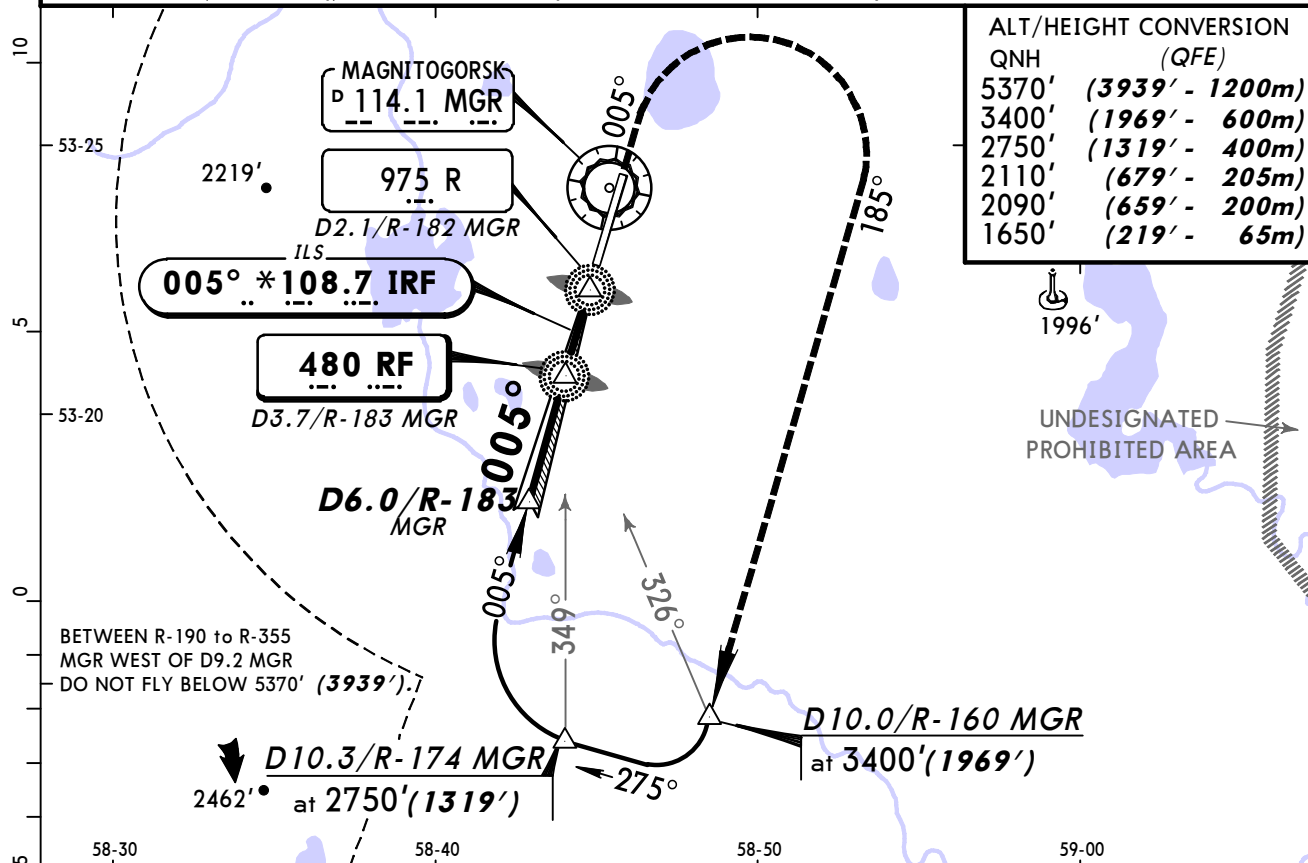
❺ W/o D4.7 MGR

TAKE-OFF RWY 01, 19

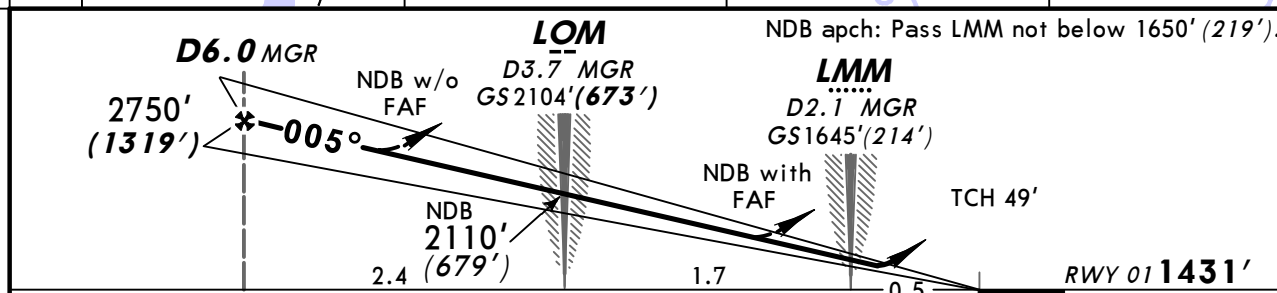
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C	300m		
D			

ATIS				MAGNITOGORSK Tower	
132.8				120.8	
LOC IRF *108.7	Final Apch Crs 005°	GS LOM 2104' (673')	ILS DA(H) 1631' (200')	Apt Elev 1431' RWY 1431'	
NDB RF 480		Minimum Alt D6.0 MGR 2750' (1319')	NDB MDA(H) (CONDITIONAL) 1740' (309')		
MISSED APCH: Climb on 005° to 2090' (659'), then turn RIGHT onto 185° climbing to 3400' (1969'), then according to chart.					

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 5370' (3939')



ALT/HEIGHT CONVERSION	
QNH	(QFE)
5370'	(3939' - 1200m)
3400'	(1969' - 600m)
2750'	(1319' - 400m)
2110'	(679' - 205m)
2090'	(659' - 200m)
1650'	(219' - 65m)



Gnd speed-Kts	70	90	100	120	140	160	ALS	2090' (659') on 005°	185° RT	3400' (1969')
ILS GS or NDB Desc angle	2.67°	336	432	480	576	671	767			

STRAIGHT-IN LANDING RWY 01					
ILS DA(H) 1631' (200')		LOC (GS out)	NDB with FAF MDA(H) 1740' (309')	NDB w/o FAF MDA(H) 2400' (969')	
FULL	ALS out		ALS out		ALS out
A				3200m	
B					
C	1200m	NOT AUTH	RVR 1500m VIS 1600m	4800m	
D					

BRIEFING STRIP™

BETWEEN R-190 to R-355
MGR WEST OF D9.2 MGR
DO NOT FLY BELOW 5370' **(3975')**.



NDB apch: Pass LMM not below 1610' (215').

LMM
D0.8 MGR
GS1609'(214')

TCH 49'

LOM
D2.3 MGR
GS2035'(640')

NDB with FAF

NDB w/o FAF

D4.7 MGR
2710' (1315')

185° - *

RWY 19 **1395'**

0.5 1.6 2.4

NDB 2040' (645')

<i>Gnd speed-Kts</i>
<i>ILS GS or</i>
<i>NDB Desc angle</i>

ANS OPS

Eff 3 Jun

VOR DME' Rwy 01

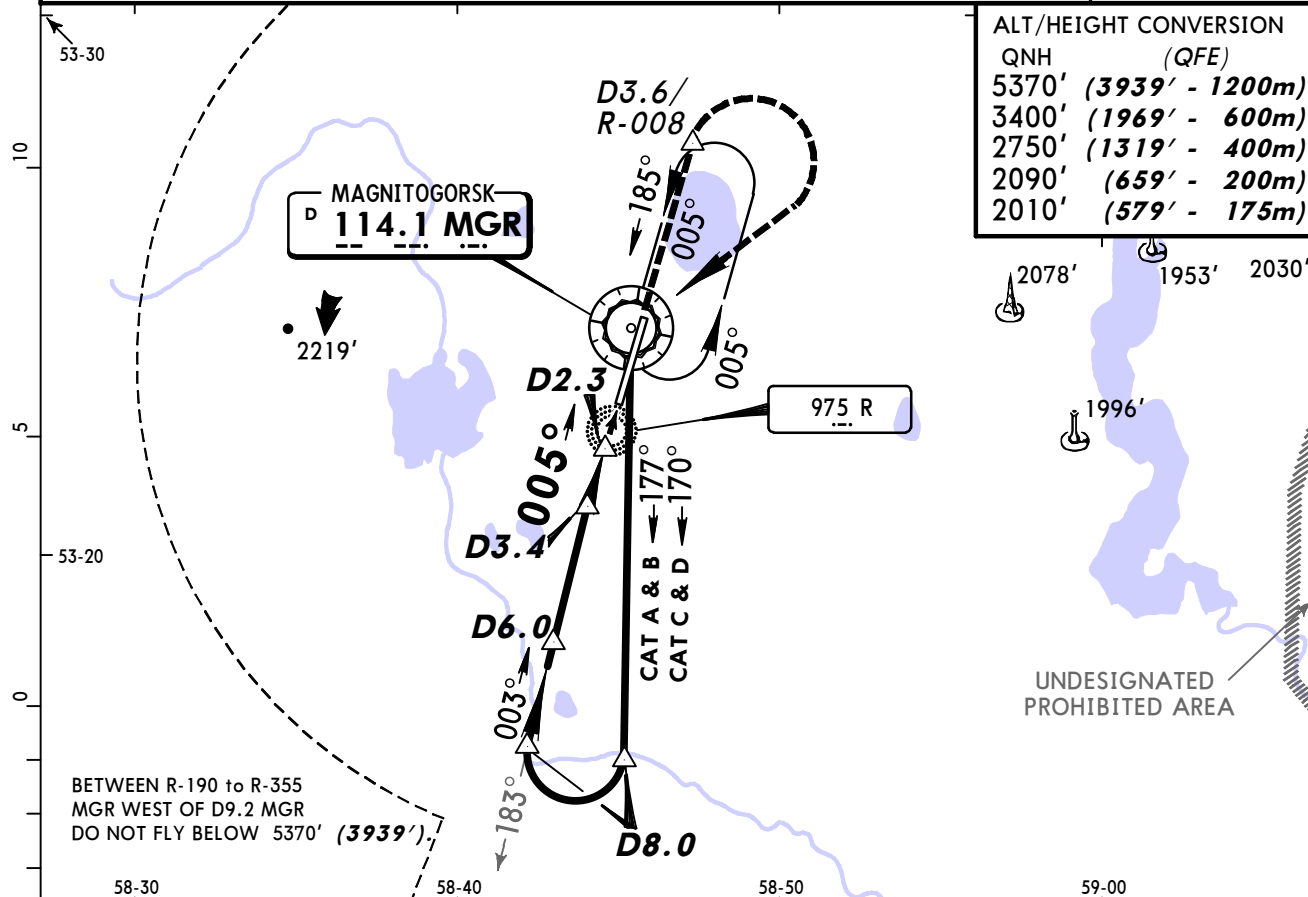
MAGNITOGORSK Tower

120.8

Apt Elev 1431'
RWY 1431'

MSA MGR VOR

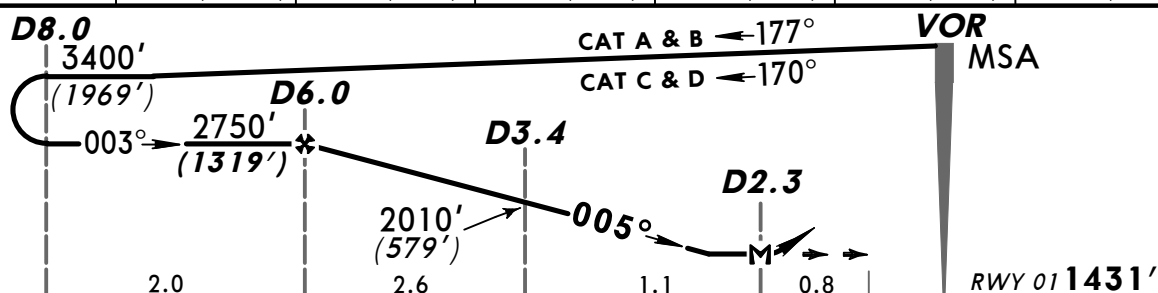
QNH	(QFE)
5370'	(3939' - 1200m)
3400'	(1969' - 600m)
2750'	(1319' - 400m)
2090'	(659' - 200m)
2010'	(579' - 175m)



BETWEEN R-190 to R-355
MGR WEST OF D9.2 MGR
DO NOT FLY BELOW 5370' (3939').

UNDESIGNATED /
PROHIBITED AREA

MGR DME	5.3	4.8	4.2	3.7	3.2	2.6
ALTITUDE (HAT)	2570' (1139')	2400' (969')	2260' (829')	2090' (659')	1940' (509')	1800' (369')



ALS
MIM
2090'
(659') on 005°

*MDA*_(H) 1720' (289')

ALS out

RVR 1500m
VIS 1600m

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PANS OPS

MAGNITOGORSK, (MAGNITOGORSK - USCM)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport USCM