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Terminal Charts For USTR
Revision Letter For Cycle 17-2013
Change Notices
Notebook

General Information

Location: Tyumen Rus
IATA Code: TJM
Lat/Long: N57° 10.1' E065° 19.0'
Elevation: 377 ft

Airport Use: Public
Magnetic Variation: 14.5°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: 0027 Z
Sunset: 1455 Z,

Runway Information

Runway: 03
Length x Width: 9852 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 368 ft
Lighting: Edge, ALS

Runway: 12
Length x Width: 8862 ft x 164 ft
Surface Type: asphalt
TDZ-Elev: 313 ft
Lighting: Edge, ALS

Runway: 21
Length x Width: 9852 ft x 148 ft
Surface Type: asphalt
TDZ-Elev: 339 ft
Lighting: Edge, ALS

Runway: 30
Length x Width: 8862 ft x 164 ft
Surface Type: asphalt
TDZ-Elev: 343 ft
Lighting: Edge, ALS

Communication Information

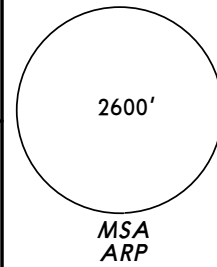
ATIS 121.7
Tyumen Taxiing Tower 119.0
Tyumen Start Tower 118.2
Tyumen Ground Control 118.9
Tyumen Approach Control 126.1

ATIS
121.7

Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2342')
Request clearance for GNSS approach from APP
on first contact.

(QFE)

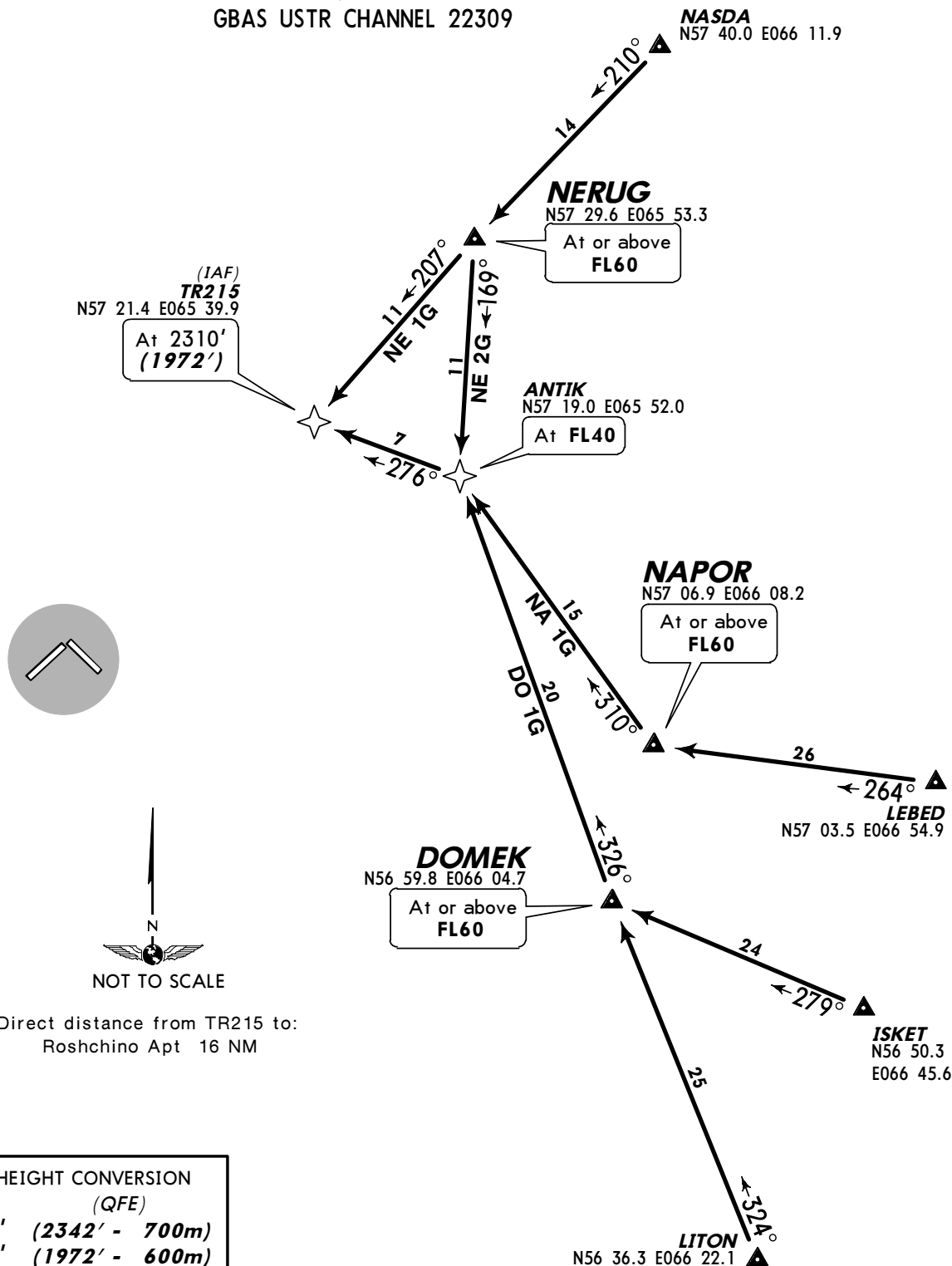


**DOMEK 1G (DO 1G), NAPOR 1G (NA 1G)
NERUG 1G (NE 1G), NERUG 2G (NE 2G)
RWY 21 RNAV ARRIVALS**

RNAV (GNSS)

GLONASS AND/OR GPS REQUIRED

GBAS USTR CHANNEL 22309



Direct distance from TR215 to:
Roshchino Apt 16 NM

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2342' - 700m)
2310'	(1972' - 600m)

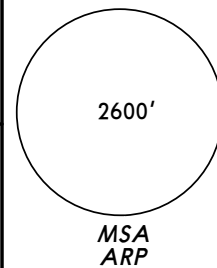
STAR	ROUTING
DO 1G	DOMEK (FL60+) - ANTIK (FL40) - TR215 (2310').
NA 1G	NAPOR (FL60+) - ANTIK (FL40) - TR215 (2310').
NE 1G	NERUG (FL60+) - TR215 (2310').
NE 2G	NERUG (FL60+) - ANTIK (FL40) - TR215 (2310').

ATIS
121.7

Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2313')
Request clearance for GNSS approach from APP
on first contact.

(QFE)



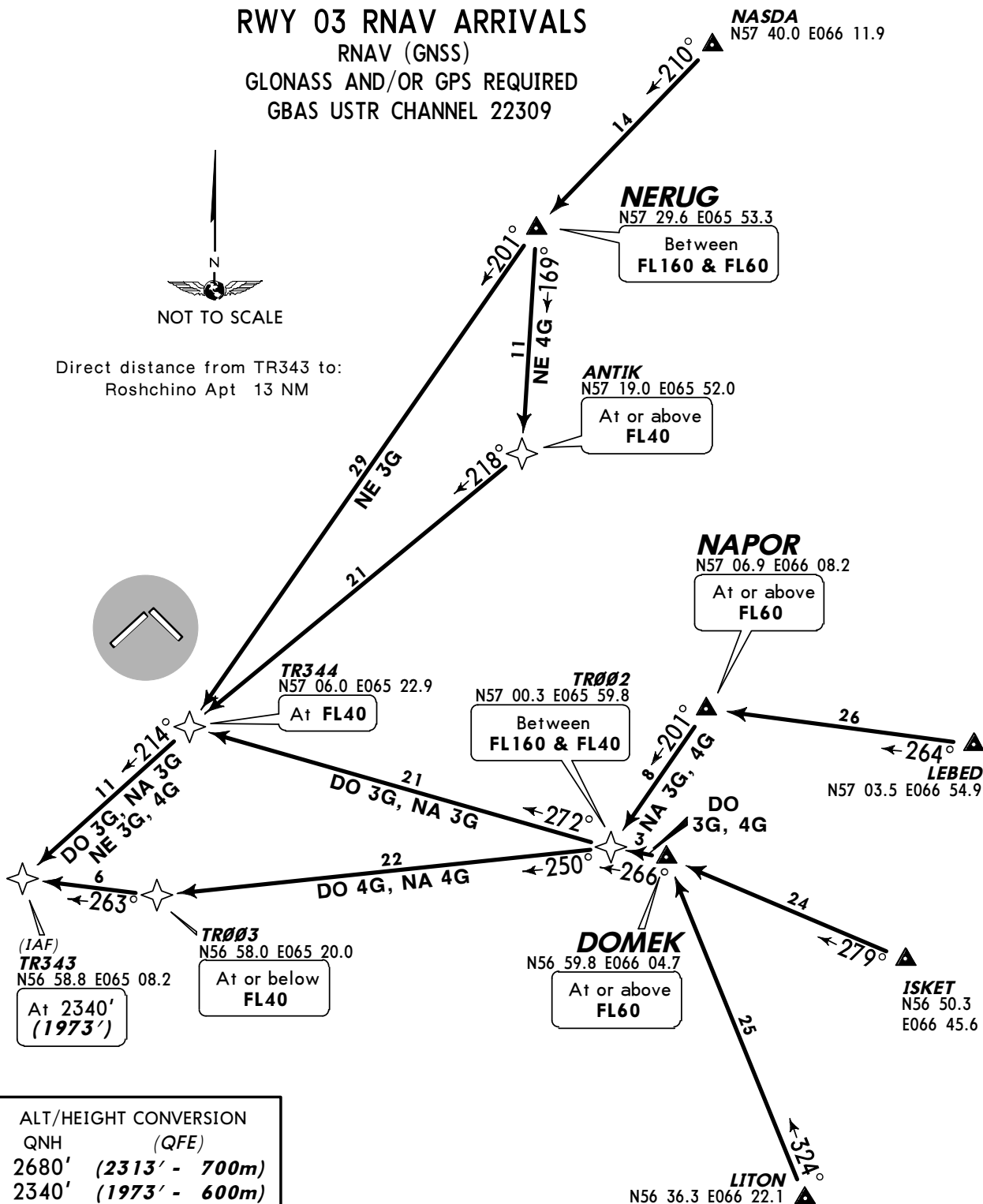
DOMEK 3G (DO 3G), DOMEK 4G (DO 4G)
NAPOR 3G (NA 3G), NAPOR 4G (NA 4G)
NERUG 3G (NE 3G), NERUG 4G (NE 4G)

RWY 03 RNAV ARRIVALS

RNAV (GNSS)

GLONASS AND/OR GPS REQUIRED

GBAS USTR CHANNEL 22309



STAR	ROUTING
DO 3G	DOMEK (FL60+) - TR002 (FL160-; FL40+) - TR344 (FL40) - TR343 (2340').
DO 4G	DOMEK (FL60+) - TR002 (FL160-; FL40+) - TR003 (FL40-) - TR343 (2340').
NA 3G	NAPOR (FL60+) - TR002 (FL160-; FL40+) - TR344 (FL40) - TR343 (2340').
NA 4G	NAPOR (FL60+) - TR002 (FL160-; FL40+) - TR003 (FL40-) - TR343 (2340').
NE 3G	NERUG (FL160-; FL60+) - TR344 (FL40) - TR343 (2340').
NE 4G	NERUG (FL160-; FL60+) - ANTIK (FL40+) - TR344 (FL40) - TR343 (2340').

ATIS
121.7

Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2339')
Request clearance for GNSS approach from APP
on first contact.

(QFE)

2600'

MSA
ARP

DOMEK 5G (DO 5G)

NAPOR 5G (NA 5G)

NERUG 5G (NE 5G)

RWY 30 RNAV ARRIVALS

RNAV (GNSS)

GLONASS AND/OR GPS REQUIRED

GBAS USTR CHANNEL 22309

NASDA
N57 40.0 E066 11.9

NERUG

N57 29.6 E065 53.3

At or above
FL60

Direct distance to Roshchino Apt from:

TR002 24 NM

TR306 14 NM

NAPOR

N57 06.9 E066 08.2

At or above
FL60

(IAF)

TR306

N57 06.9 E065 44.4

At 3300'
(2959')

(IAF)

TR002

N57 00.3 E065 59.8

At or below
FL50

NA 5G

N57 06.9 E066 08.2

At or above
FL60

DO 5G

N57 06.9 E066 08.2

At or above
FL60

DOMEK

N56 59.8 E066 04.7

At or above
FL60

LEBED

N57 03.5 E066 54.9

ISKET

N56 50.3
E066 45.6

LITON

N56 36.3 E066 22.1



ALT/HEIGHT CONVERSION

QNH (QFE)

3300' (2959' - 900m)

2680' (2339' - 700m)

STAR

ROUTING

DO 5G

DOMEK (FL60+) - TR002 (FL50-).

NA 5G

NAPOR (FL60+) - TR002 (FL50-).

NE 5G

NERUG (FL60+) - TR306 (3300').

ATIS
121.7

Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2368')
Request clearance for GNSS approach from APP
on first contact.

(QFE)

2600'

MSA
ARP

DOMEK 7G (DO 7G)

NAPOR 7G (NA 7G)

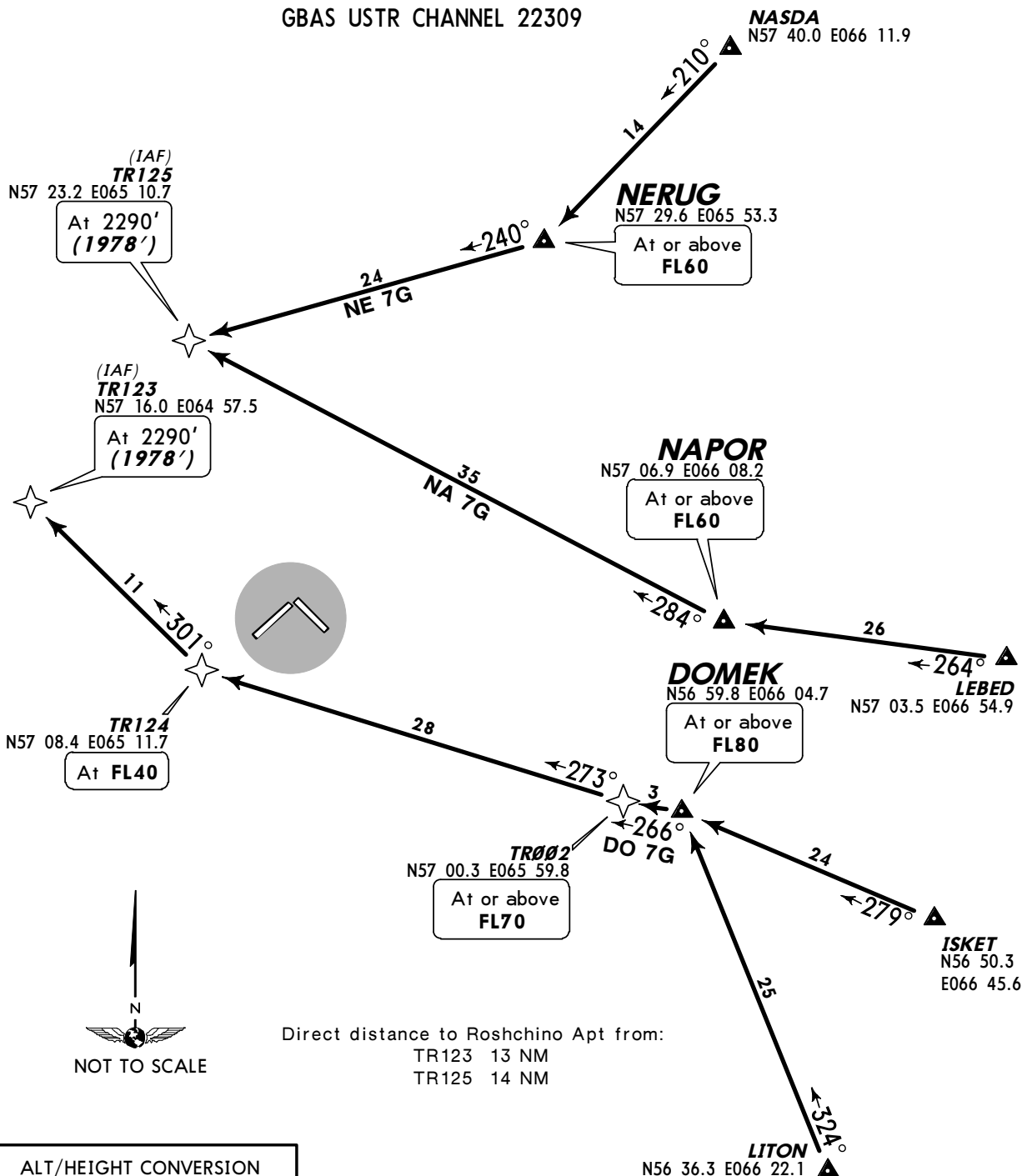
NERUG 7G (NE 7G)

RWY 12 RNAV ARRIVALS

RNAV (GNSS)

GLONASS AND/OR GPS REQUIRED

GBAS USTR CHANNEL 22309



ALT/HEIGHT CONVERSION
QNH (QFE)
2680' (2368' - 700m)
2290' (1978' - 600m)

STAR

ROUTING

DO 7G

DOMEK (FL80+) - TR002 (FL70+) - TR124 (FL40) - TR123 (2290').

NA 7G

NAPOR (FL60+) - TR125 (2290').

NE 7G

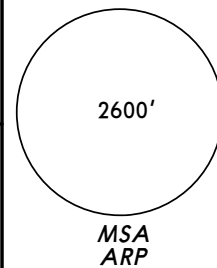
NERUG (FL60+) - TR125 (2290').

ATIS
121.7

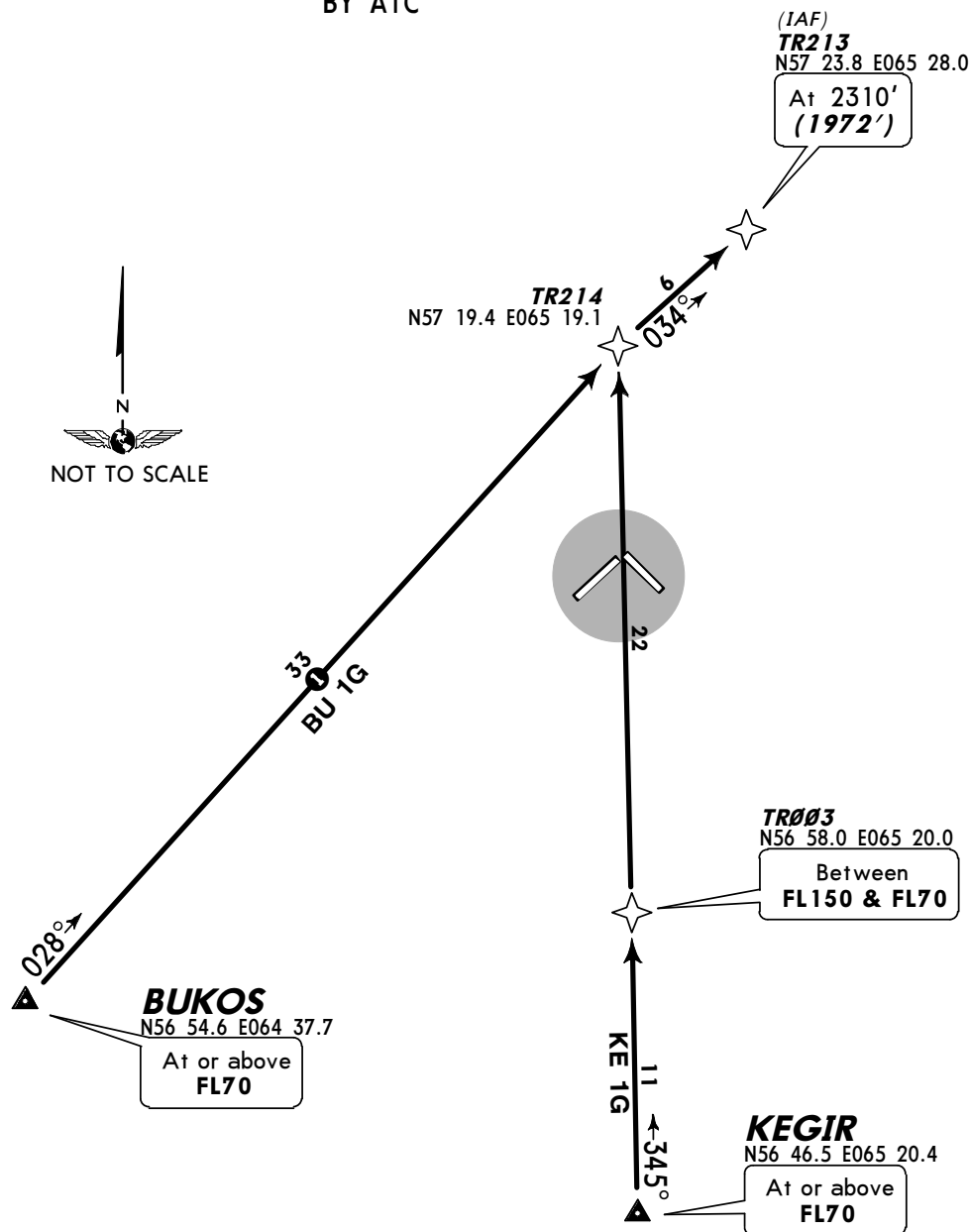
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2342')
Request clearance for GNSS approach from APP
on first contact.

(QFE)



BUKOS 1G (BU 1G)
KEGIR 1G (KE 1G)
RWY 21 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED
GBAS USTR CHANNEL 22309
BY ATC

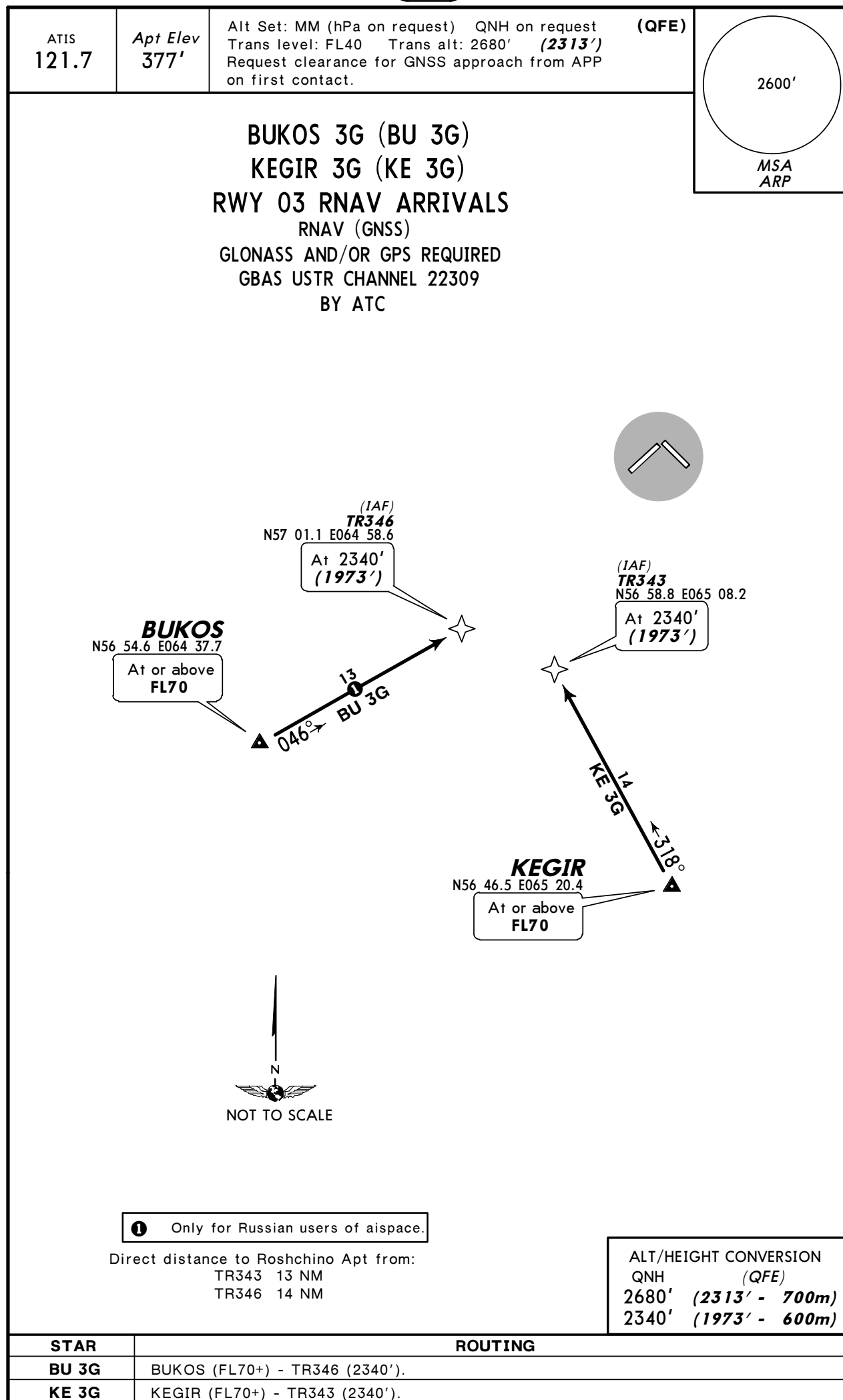


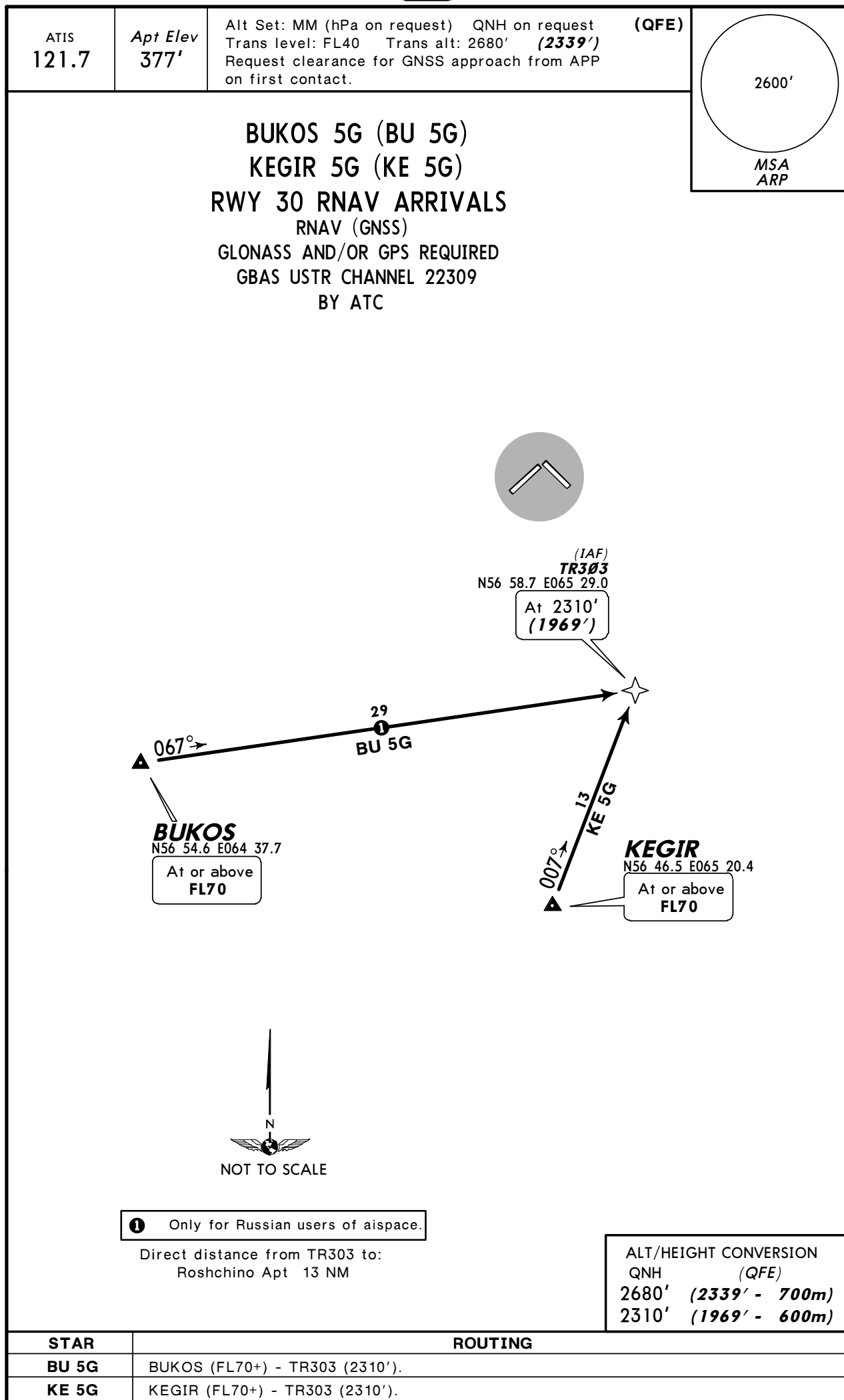
① Only for Russian users of airspace.

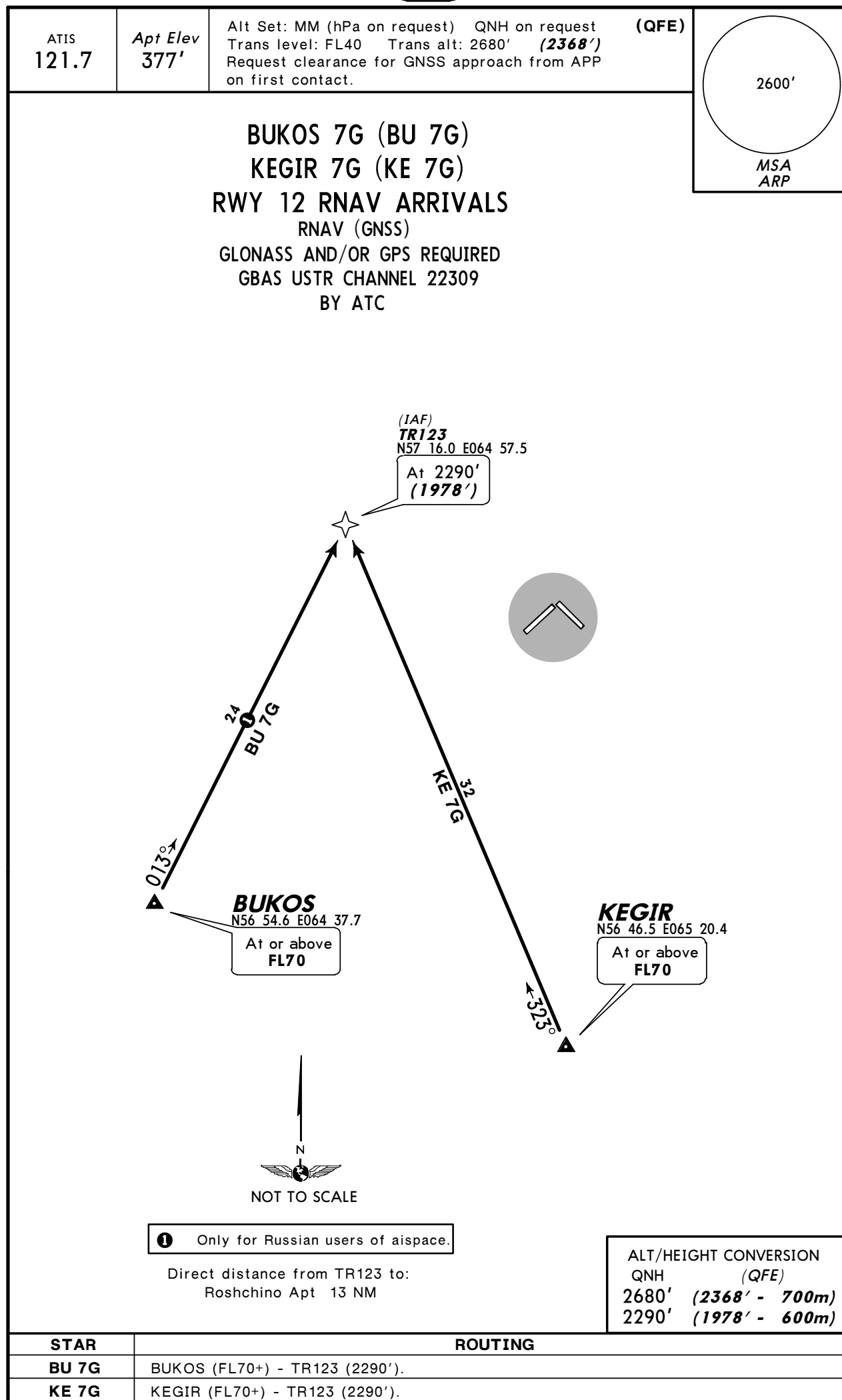
Direct distance from TR213 to:
Roshchino Apt 15 NM

ALT/HEIGHT CONVERSION
QNH (QFE)
2680' (2342' - 700m)
2310' (1972' - 600m)

STAR	ROUTING
BU 1G	BUKOS (FL70+) - TR214 - TR213 (2310').
KE 1G	KEGIR (FL70+) - TR003 (FL150-; FL70+) - TR214 - TR213 (2310').





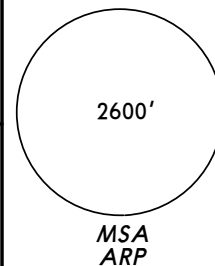


ATIS
121.7

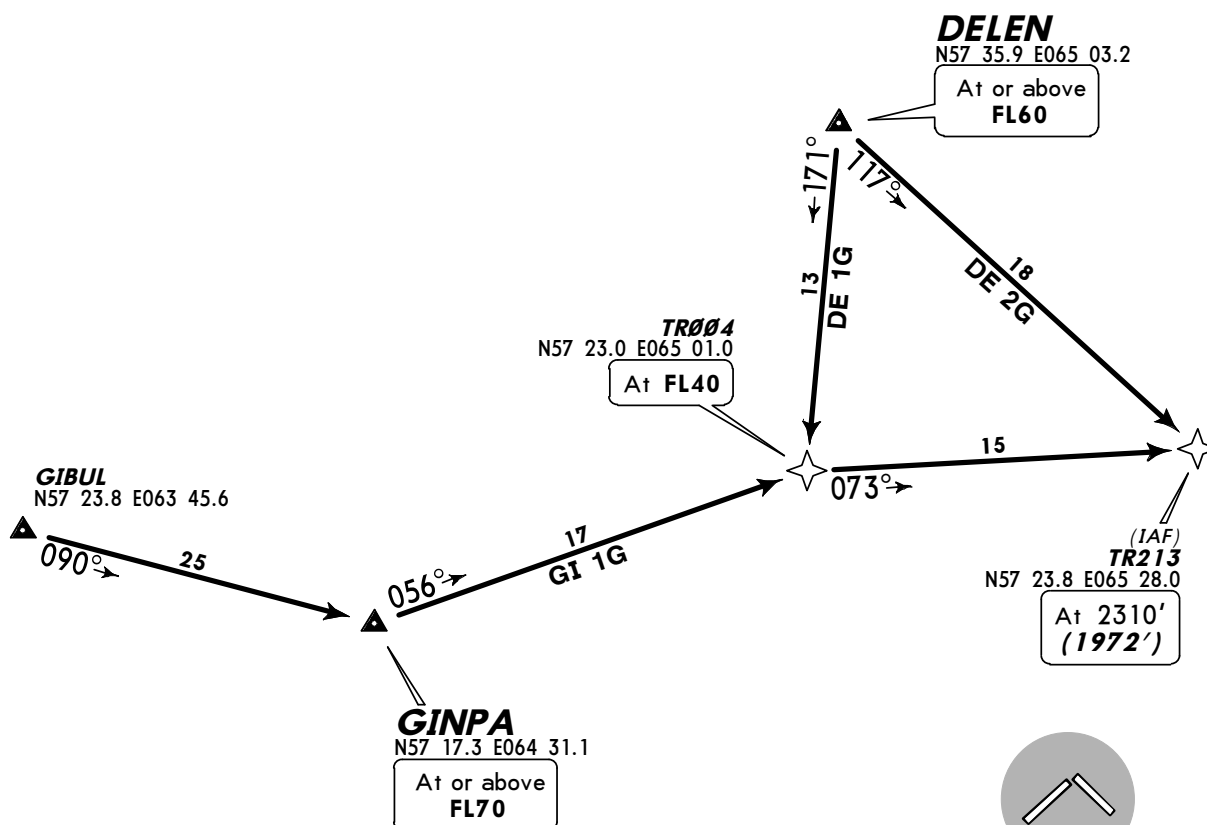
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2342')
Request clearance for GNSS approach from APP
on first contact.

(QFE)



DELEN 1G (DE 1G), DELEN 2G (DE 2G)
GINPA 1G (GI 1G)
RWY 21 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED
GBAS USTR CHANNEL 22309



Direct distance from TR213 to:
Roshchino Apt 15 NM

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2342' - 700m)
2310'	(1972' - 600m)

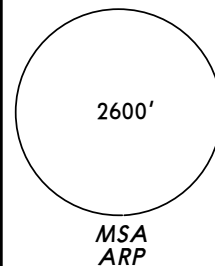
STAR	ROUTING
DE 1G	DELEN (FL60+) - TR004 (FL40) - TR213 (2310').
DE 2G	DELEN (FL60+) - TR213 (2310').
GI 1G	GINPA (FL70+) - TR004 (FL40) - TR213 (2310').

ATIS
121.7

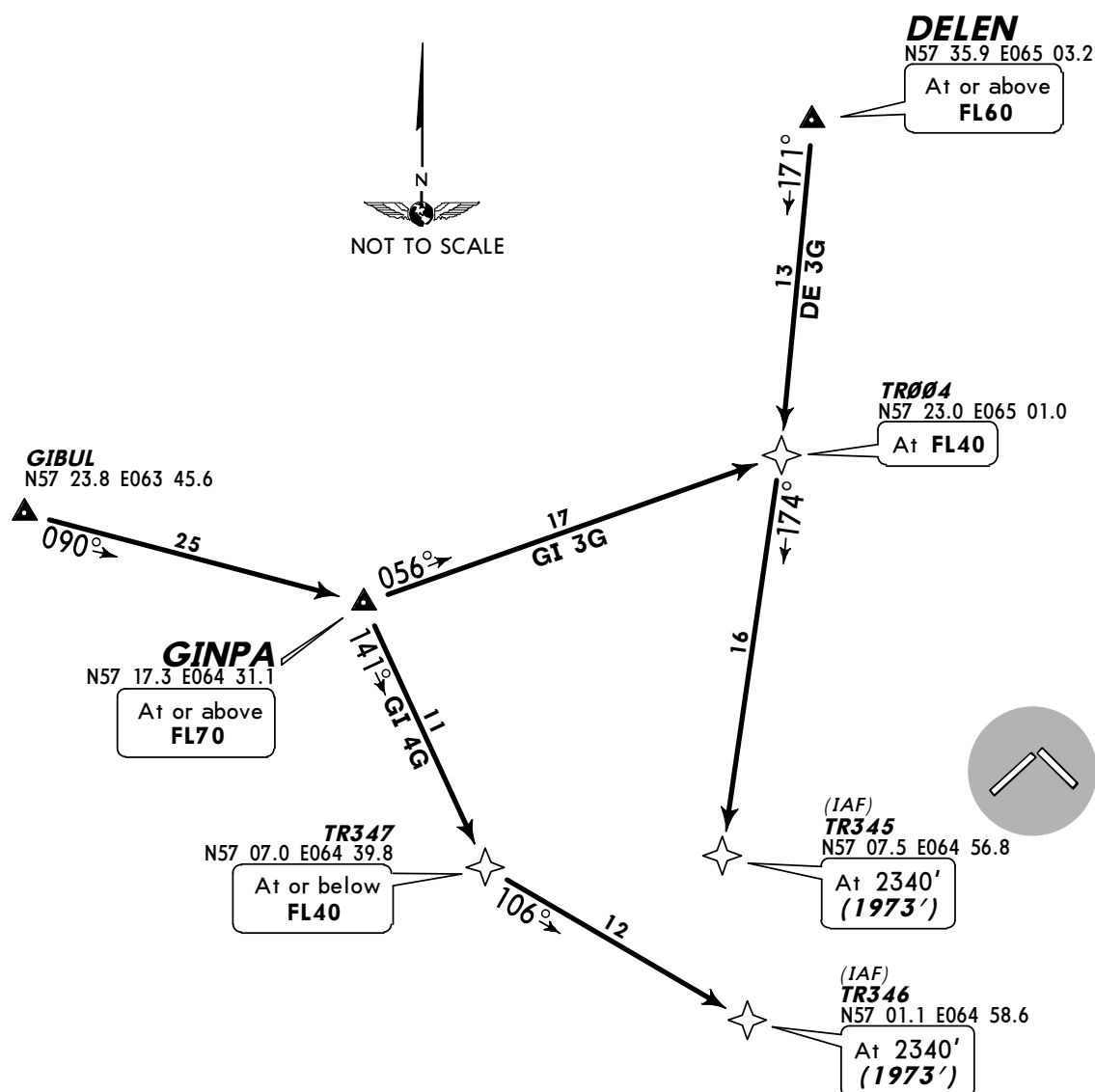
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2313')
Request clearance for GNSS approach from APP
on first contact.

(QFE)



DELEN 3G (DE 3G)
GINPA 3G (GI 3G), GINPA 4G (GI 4G)
RWY 03 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED
GBAS USTR CHANNEL 22309



ALT/HEIGHT CONVERSION
QNH (QFE)
2680' (2313' - 700m)
2340' (1973' - 600m)

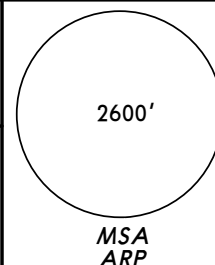
STAR	ROUTING
DE 3G	DELEN (FL60+) - TR004 (FL40) - TR345 (2340').
GI 3G	GINPA (FL70+) - TR004 (FL40) - TR345 (2340').
GI 4G	GINPA (FL70+) - TR347 (FL40-) - TR346 (2340').

ATIS
121.7

Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2339')
Request clearance for GNSS approach from APP
on first contact.

(QFE)



DELEN 5G (DE 5G), DELEN 6G (DE 6G)

GINPA 5G (GI 5G)

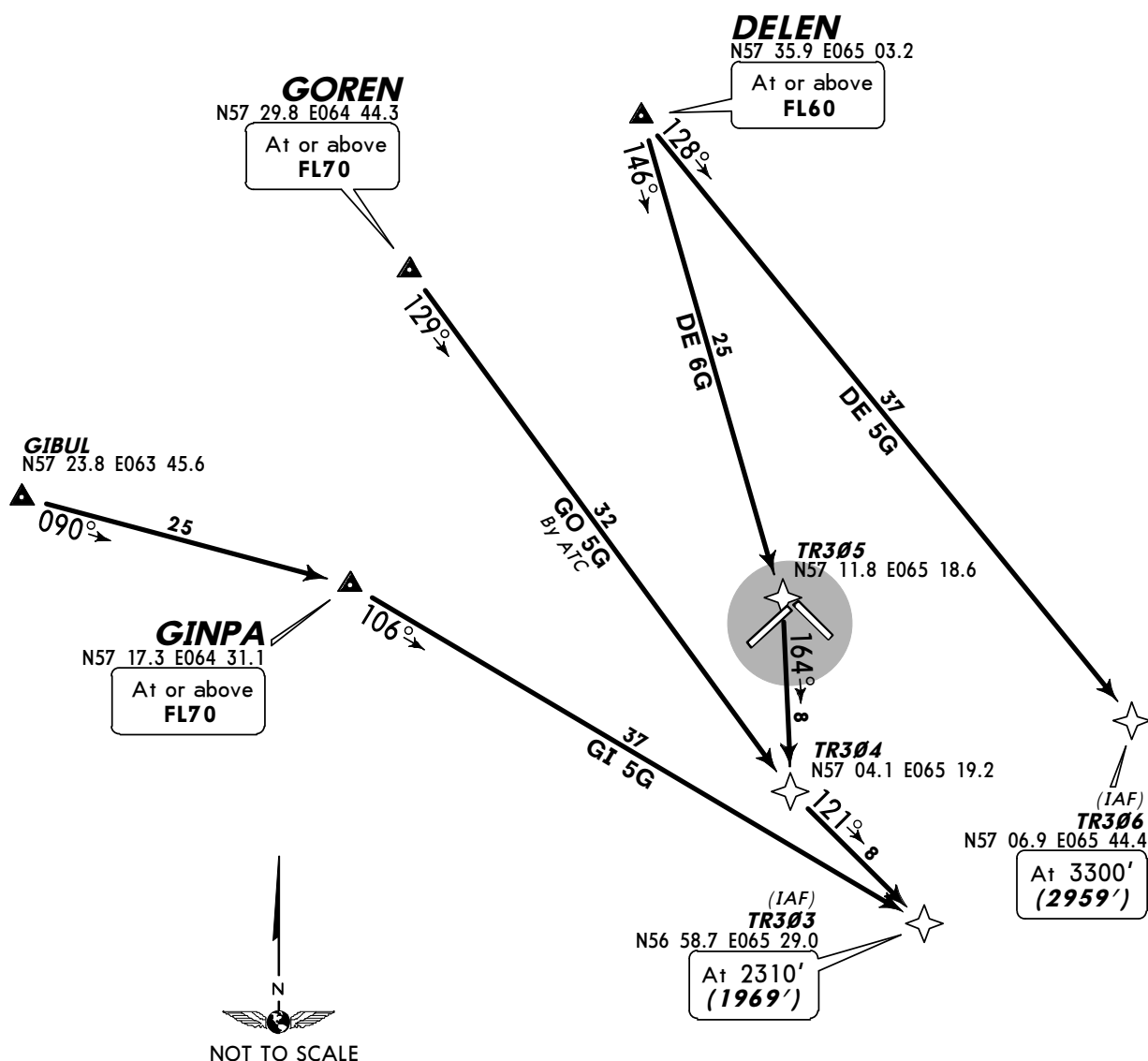
GOREN 5G (GO 5G)

RWY 30 RNAV ARRIVALS

RNAV (GNSS)

GLONASS AND/OR GPS REQUIRED

GBAS USTR CHANNEL 22309



Direct distance to Roshchino Apt from:

TR303 13 NM
TR306 14 NM

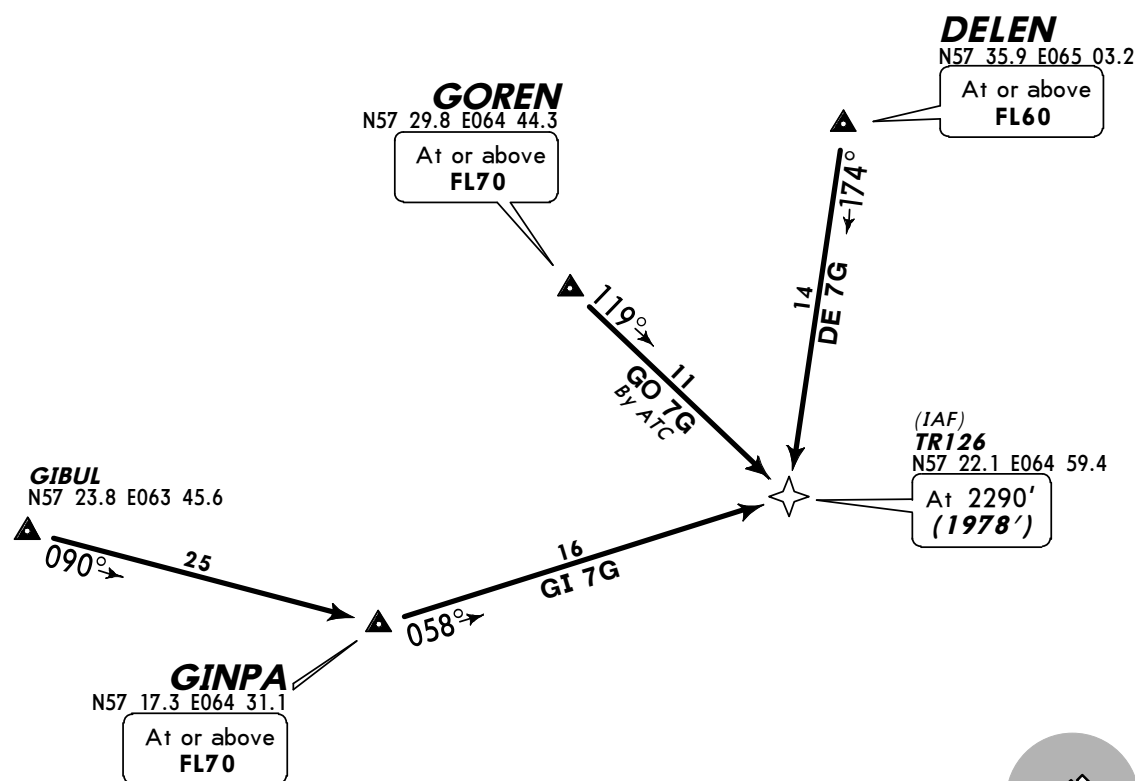
ALT/HEIGHT CONVERSION

QNH (QFE)
3300' (2959' - 900m)
2680' (2339' - 700m)
2310' (1969' - 600m)

STAR	ROUTING
DE 5G	DELEN (FL60+) - TR306 (3300').
DE 6G	DELEN (FL60+) - TR305 - TR304 - TR303 (2310').
GI 5G	GINPA (FL70+) - TR303 (2310').
GO 5G By ATC	GOREN (FL70+) - TR304 - TR303 (2310').

ATIS 121.7	Apt Elev 377'	Alt Set: MM (hPa on request) QNH on request Trans level: FL40 Trans alt: 2680' (2368') Request clearance for GNSS approach from APP on first contact.	(QFE)	2600' MSA ARP
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DELEN 7G (DE 7G)
GINPA 7G (GI 7G)
GOREN 7G (GO 7G)
RWY 12 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED
GBAS USTR CHANNEL 22309



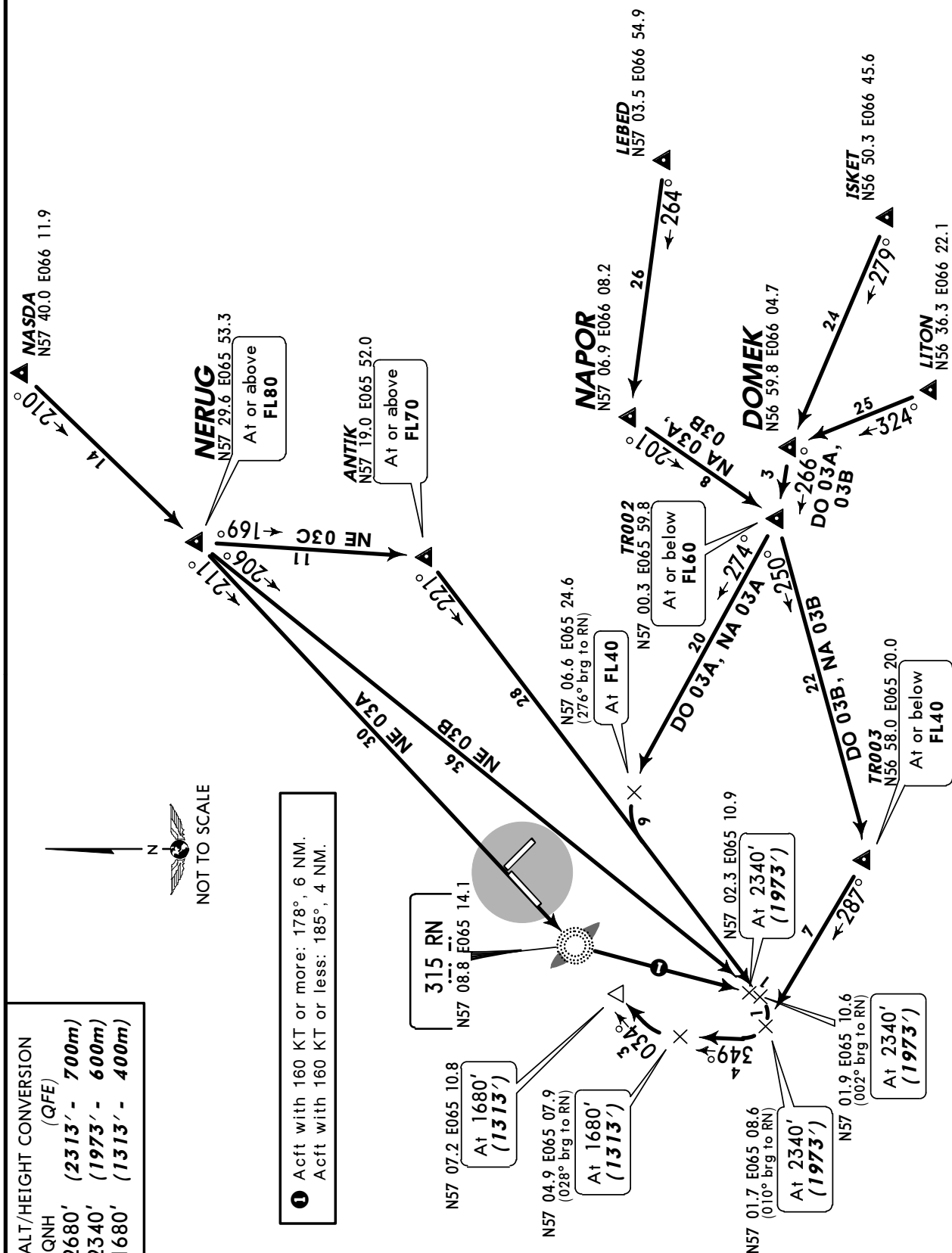
Direct distance from TR126 to:
Roshchino Apt 16 NM

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2368' - 700m)
2290'	(1978' - 600m)

STAR	ROUTING
DE 7G	DELEN (FL60+) - TR126 (2290').
GI 7G	GINPA (FL70+) - TR126 (2290').
GO 7G By ATC	GOREN (FL70+) - TR126 (2290').

(QFE)

A circular diagram with the text "2600'" in the center. To the right of the circle, the text "MSA" is stacked above "ARP".



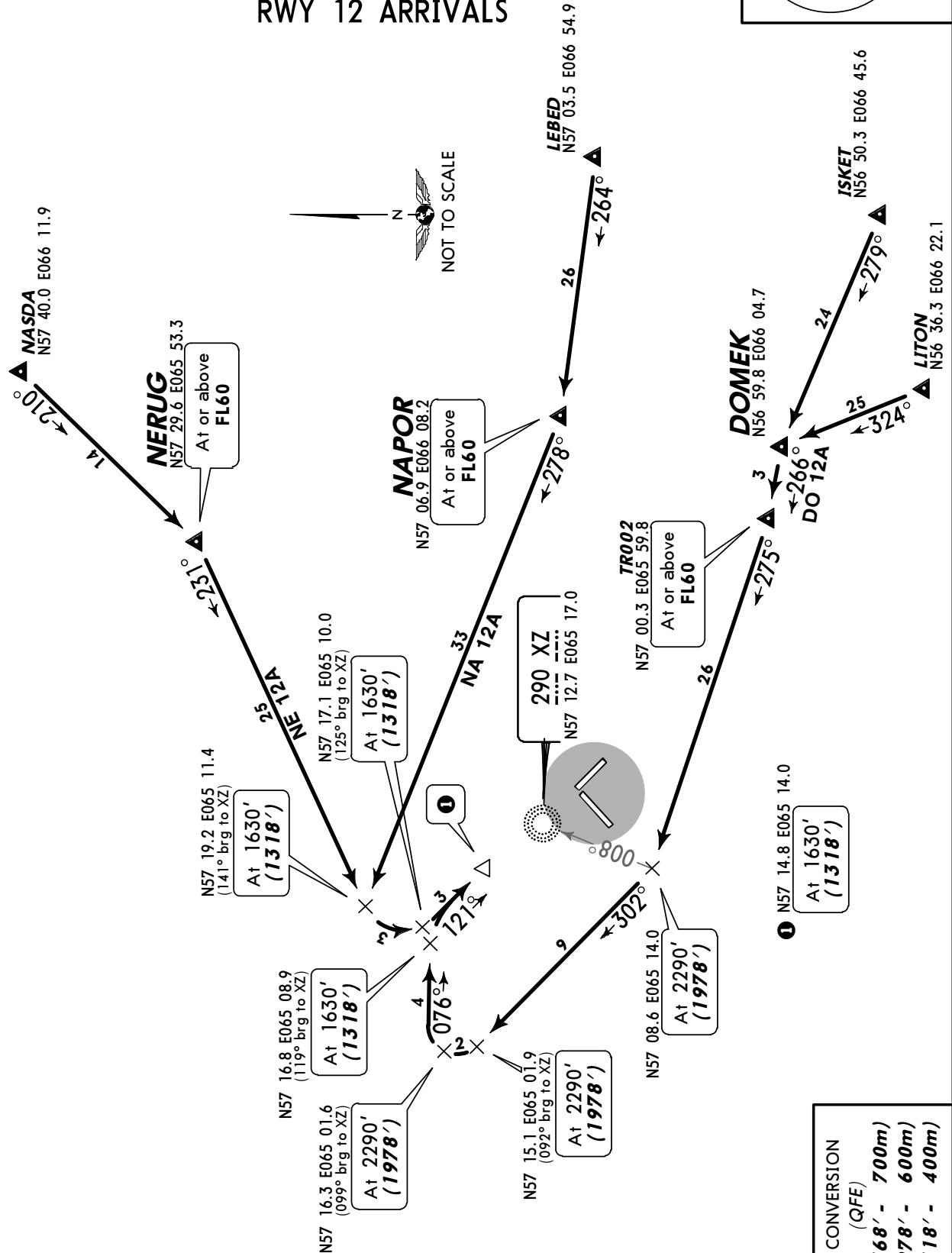
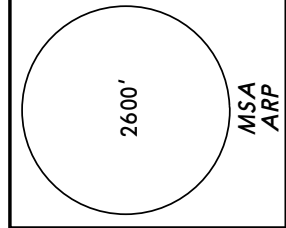
ATIS
121.7

Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2368')

(QFE)

DOMEK 12A (DO 12A)
NAPOR 12A (NA 12A)
NERUG 12A (NE 12A)
RWY 12 ARRIVALS



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2368' - 700m)
2290'	(1978' - 600m)
1630'	(1318' - 400m)

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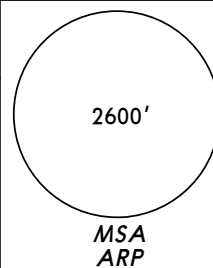
© JEPPESEN, 2013. ALL RIGHTS RESERVED.

ATIS
121.7

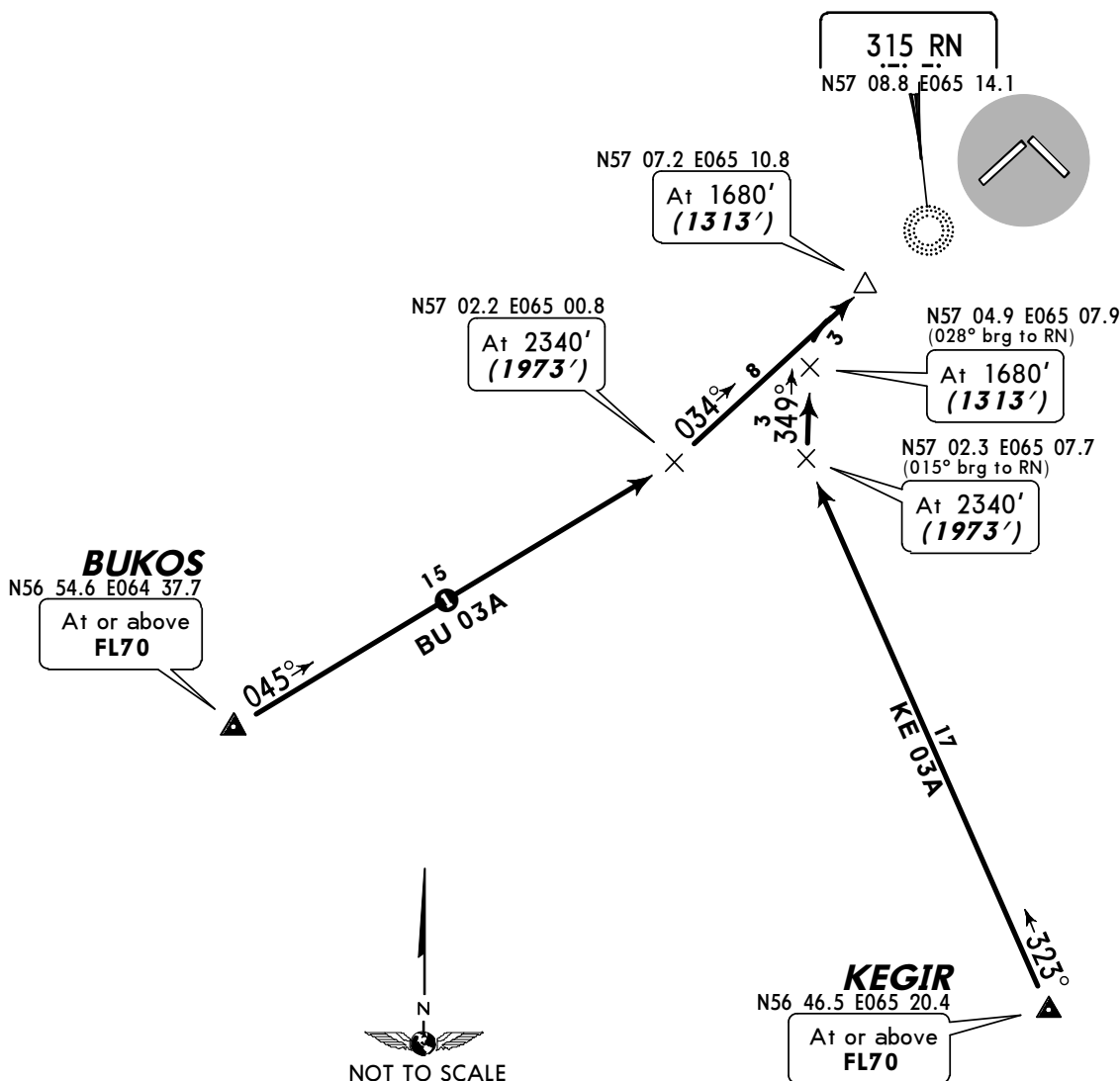
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2313')

(QFE)



BUKOS 03A (BU 03A)
KEGIR 03A (KE 03A)
RWY 03 ARRIVALS
BY ATC



① Only for Russian users of airspace.

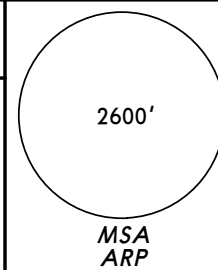
ALT/HEIGHT CONVERSION
QNH (QFE)
2680' (2313' - 700m)
2340' (1973' - 600m)
1680' (1313' - 400m)

ATIS
121.7

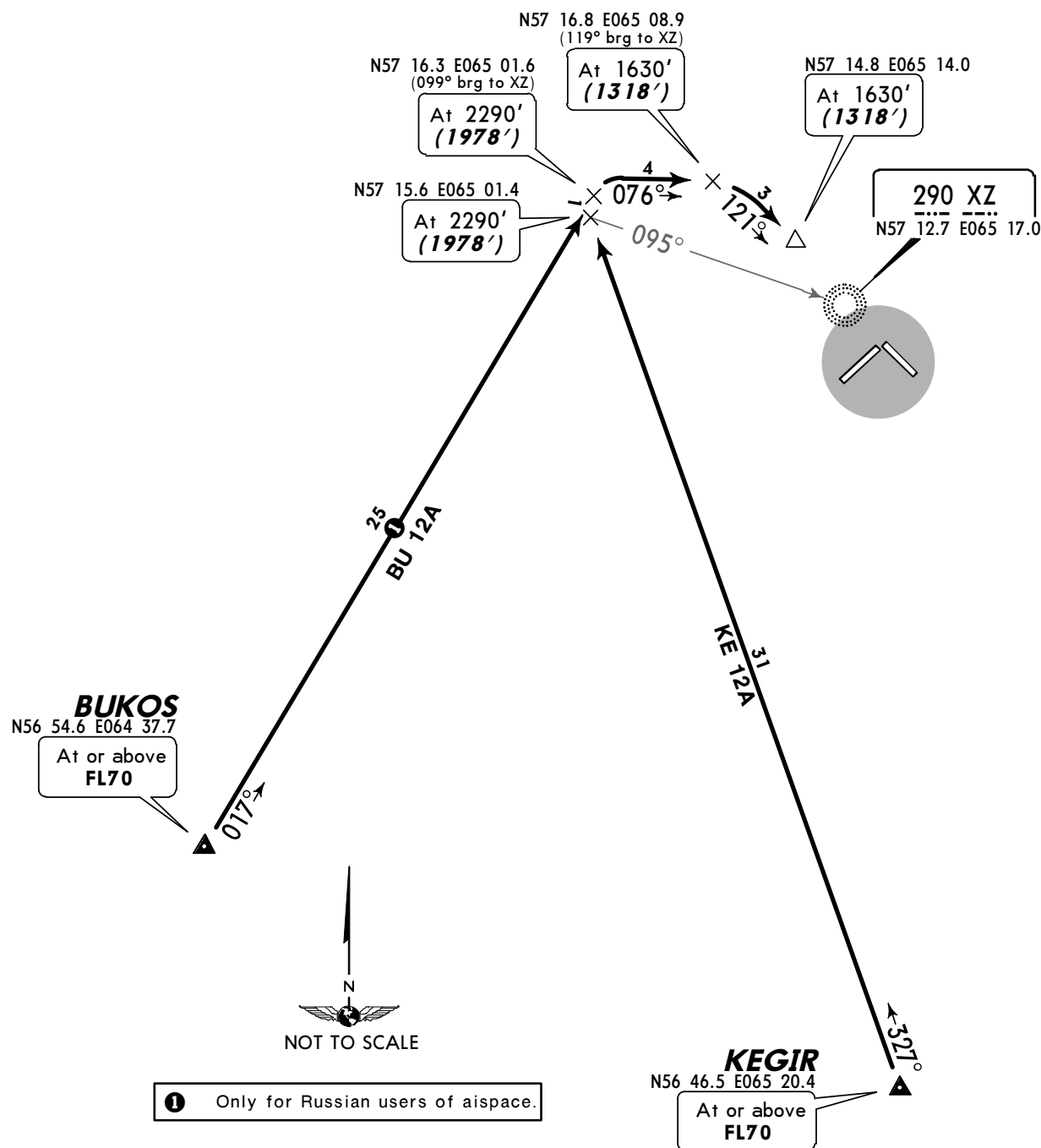
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2368')

(QFE)



BUKOS 12A (BU 12A)
KEGIR 12A (KE 12A)
RWY 12 ARRIVALS
BY ATC



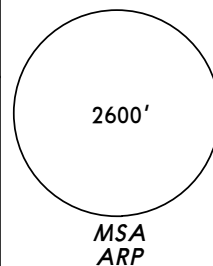
ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2368' - 700m)
2290'	(1978' - 600m)
1630'	(1318' - 400m)

ATIS
121.7

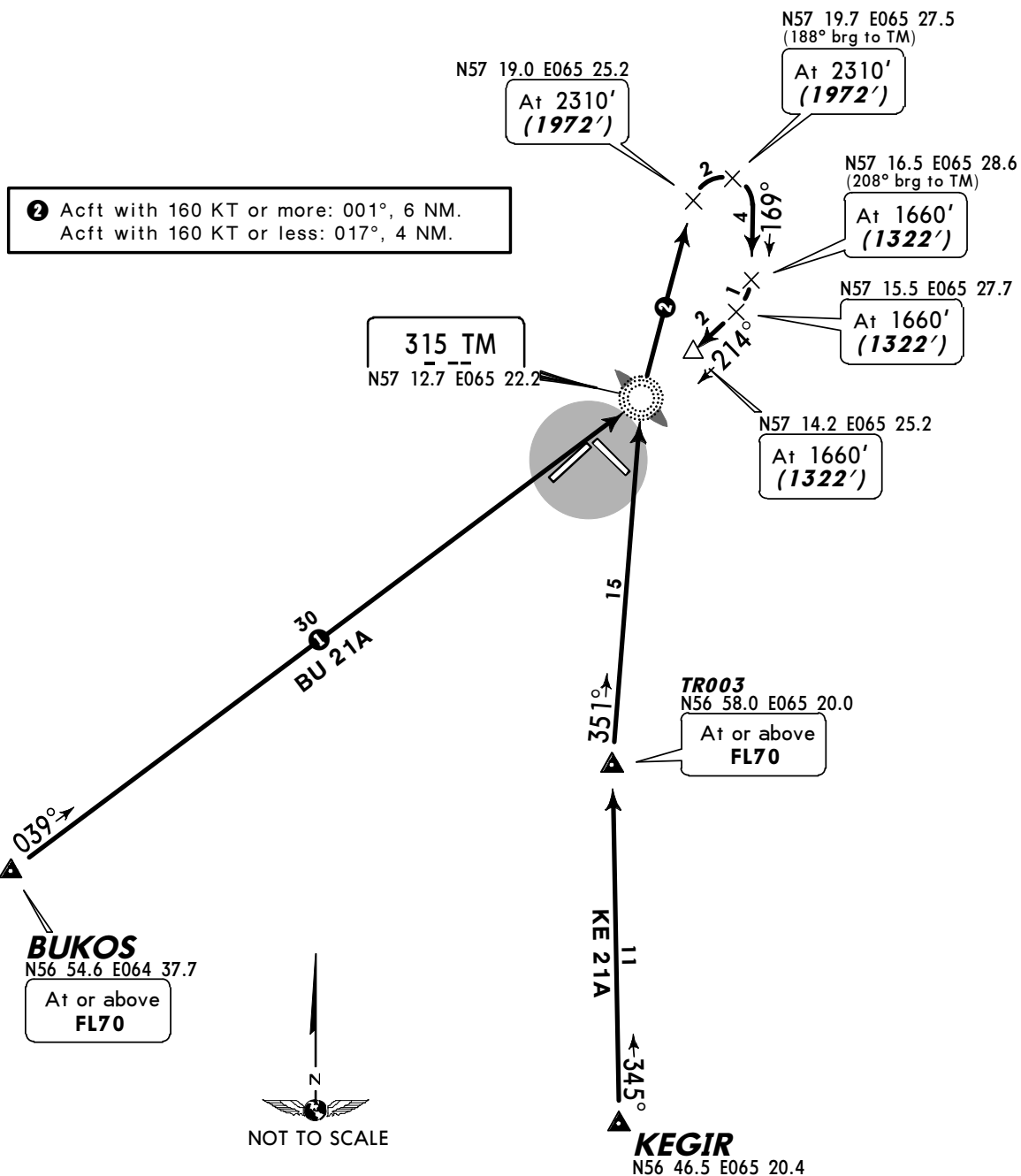
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2342')

(QFE)



BUKOS 21A (BU 21A)
KEGIR 21A (KE 21A)
RWY 21 ARRIVALS
BY ATC

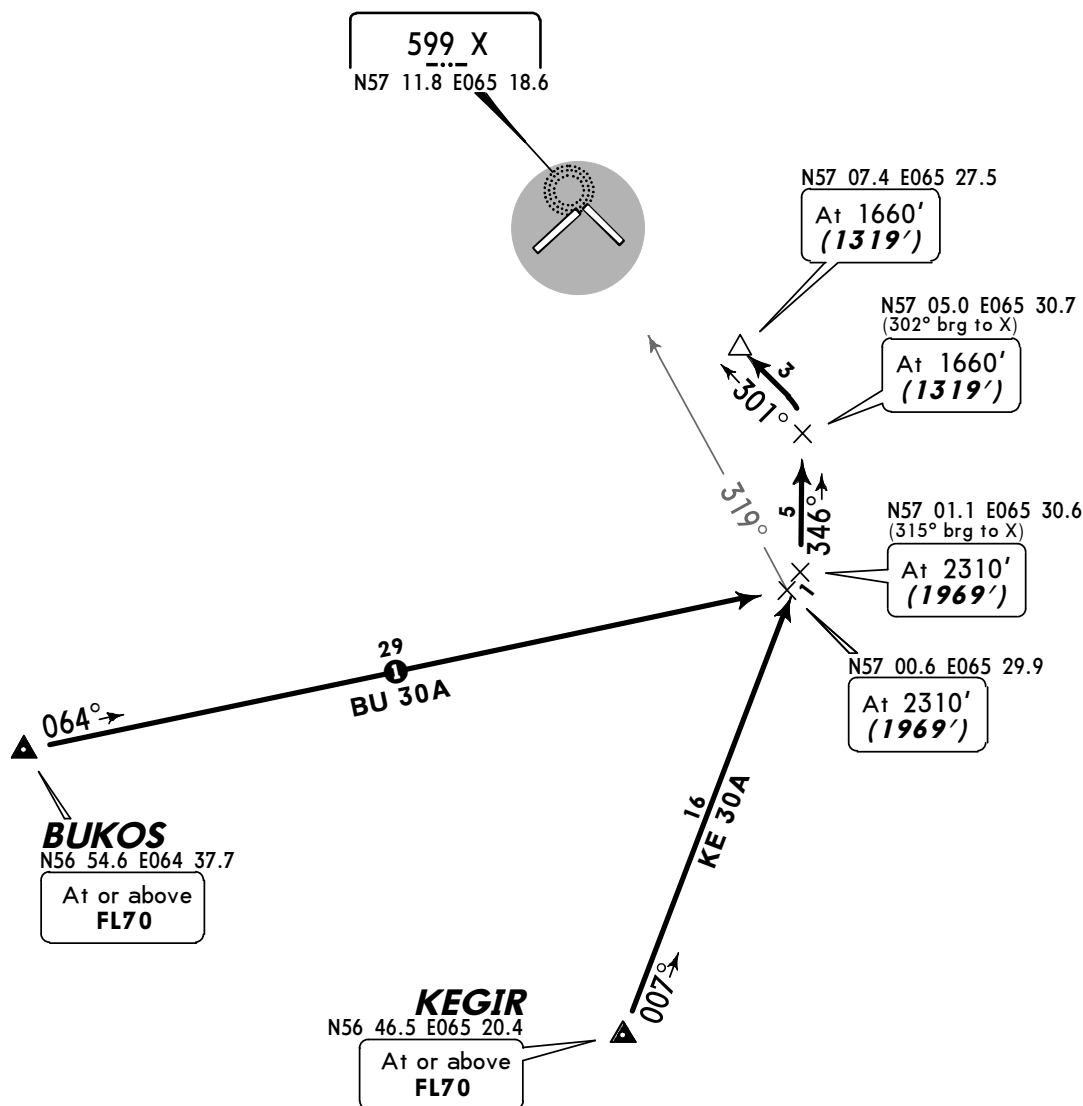


① Only for Russian users of airspace.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2342' - 700m)
2310'	(1972' - 600m)
1660'	(1322' - 400m)

ATIS 121.7	Apt Elev 377'	Alt Set: MM (hPa on request) QNH on request Trans level: FL40 Trans alt: 2680' (2339')	(QFE)	2600' MSA ARP
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BUKOS 30A (BU 30A)
KEGIR 30A (KE 30A)
RWY 30 ARRIVALS
BY ATC



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2339' - 700m)
2310'	(1969' - 600m)
1660'	(1319' - 400m)

① Only for Russian users of airspace.

ATIS
121.7

Apt Elev
377'

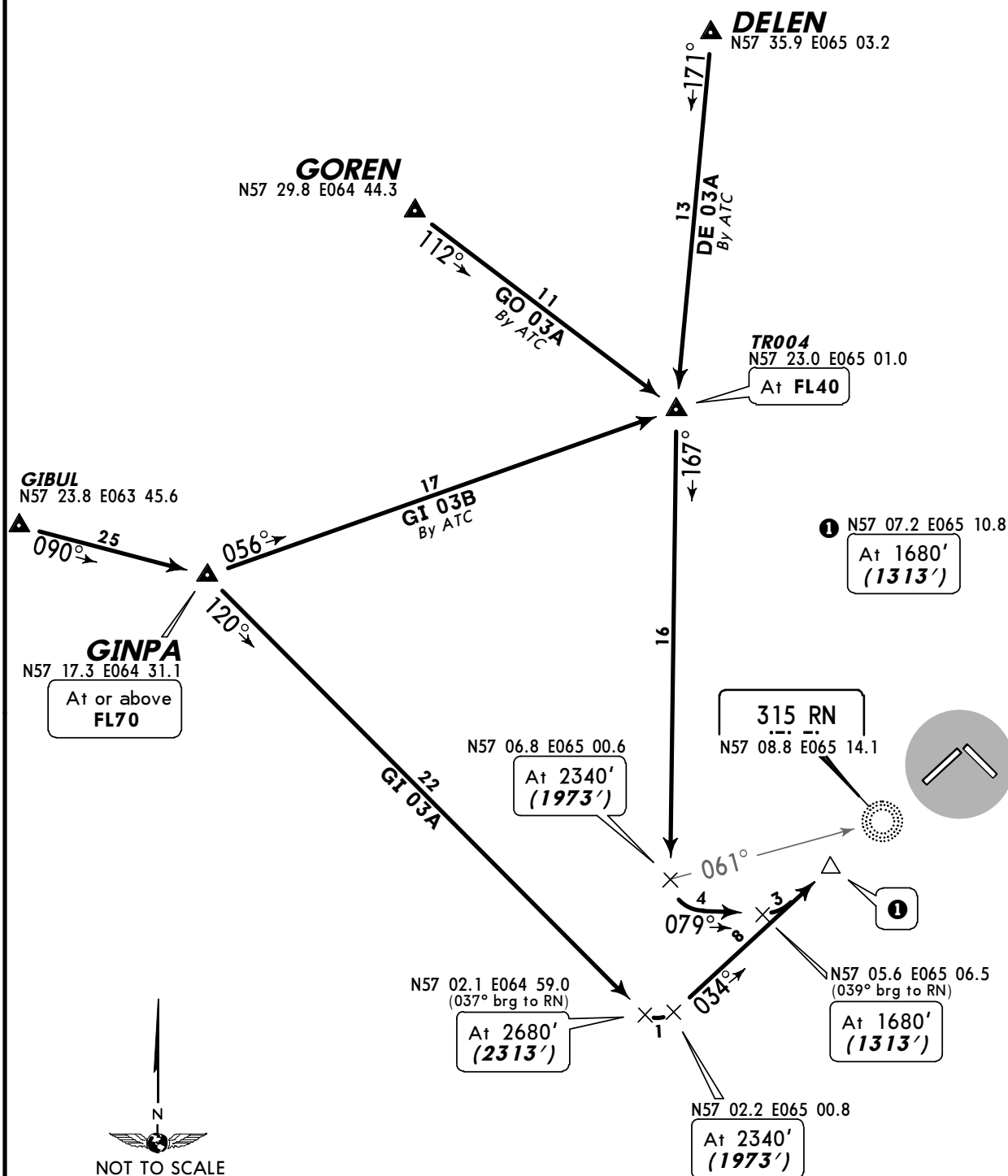
Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2313')

(QFE)

2600'

MSA
ARP

DELEN 03A (DE 03A)
GINPA 03A (GI 03A), GINPA 03B (GI 03B)
GOREN 03A (GO 03A)
RWY 03 ARRIVALS



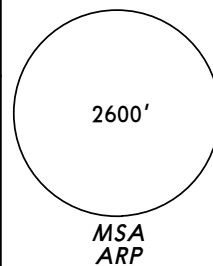
ALT/HEIGHT CONVERSION
QNH (QFE)
2680' (2313' - 700m)
2340' (1973' - 600m)
1680' (1313' - 400m)

ATIS
121.7

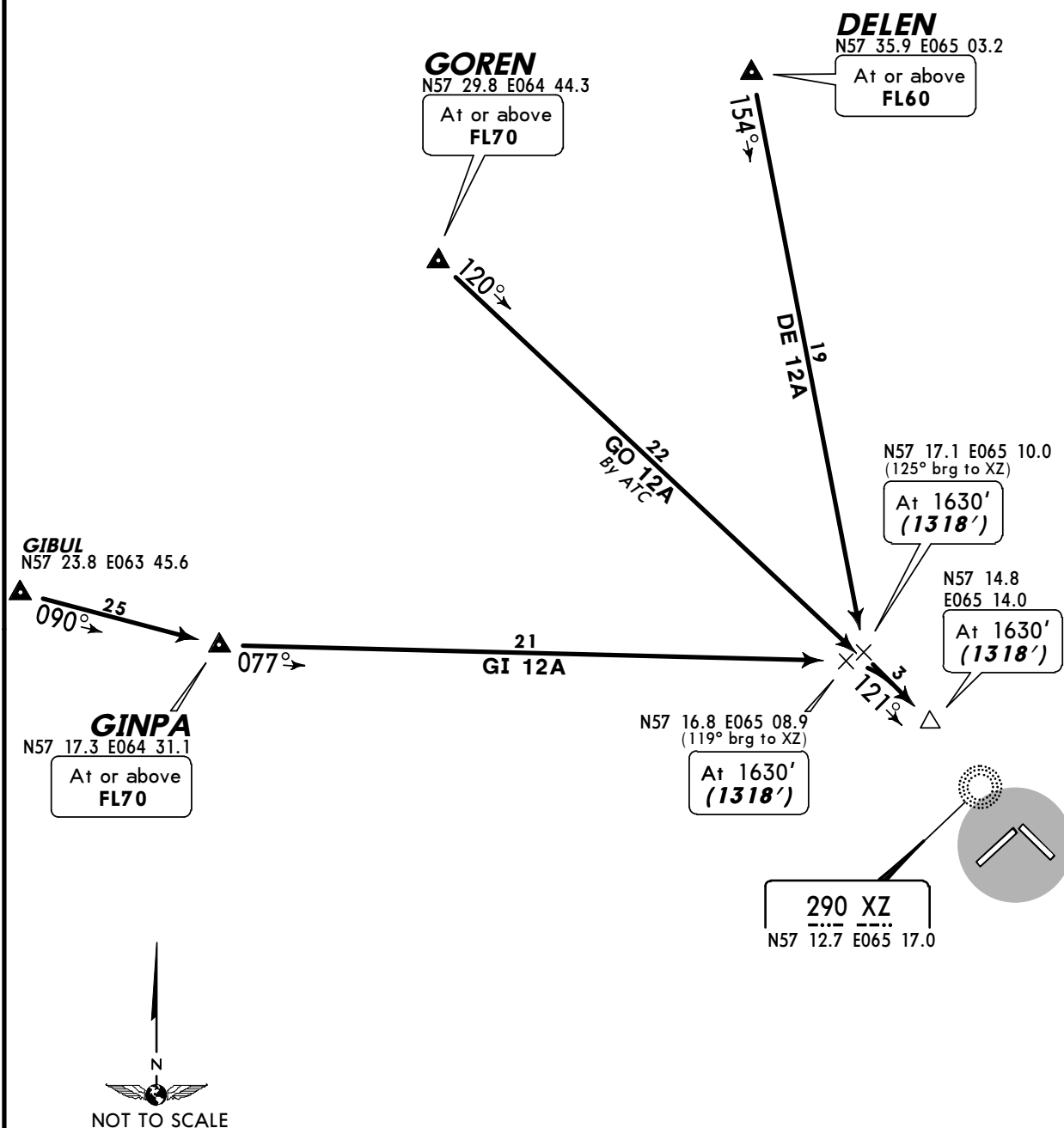
Apt Elev
377'

Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2368')

(QFE)



DELEN 12A (DE 12A)
GINPA 12A (GI 12A)
GOREN 12A (GO 12A)
RWY 12 ARRIVALS



ALT/HEIGHT CONVERSION
QNH (QFE)
2680' (2368' - 700m)
1630' (1318' - 400m)

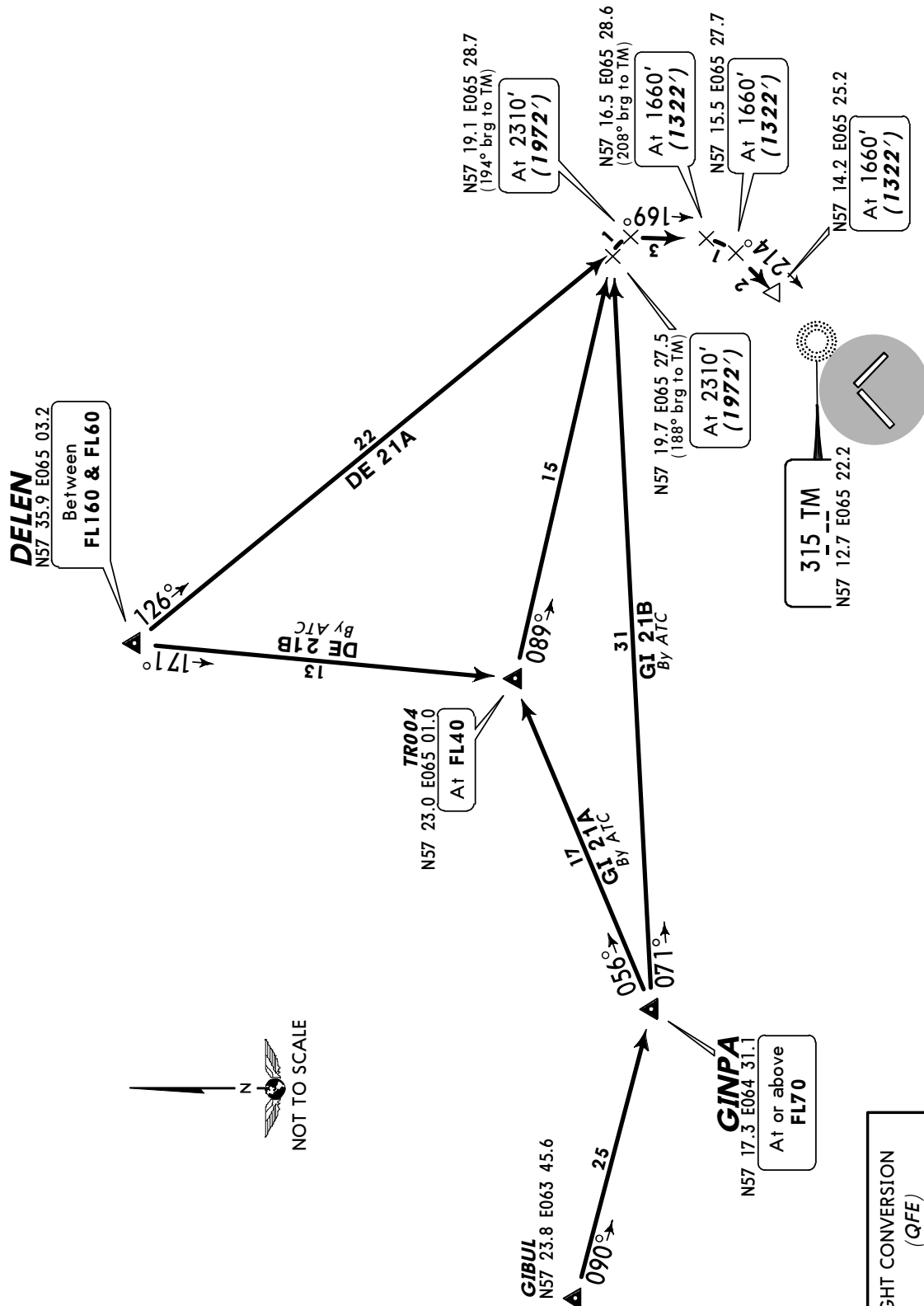
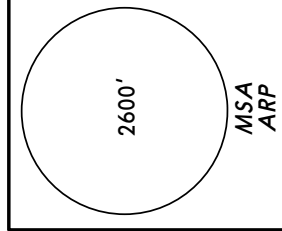
ATIS
121.7

Apt Elev
377'

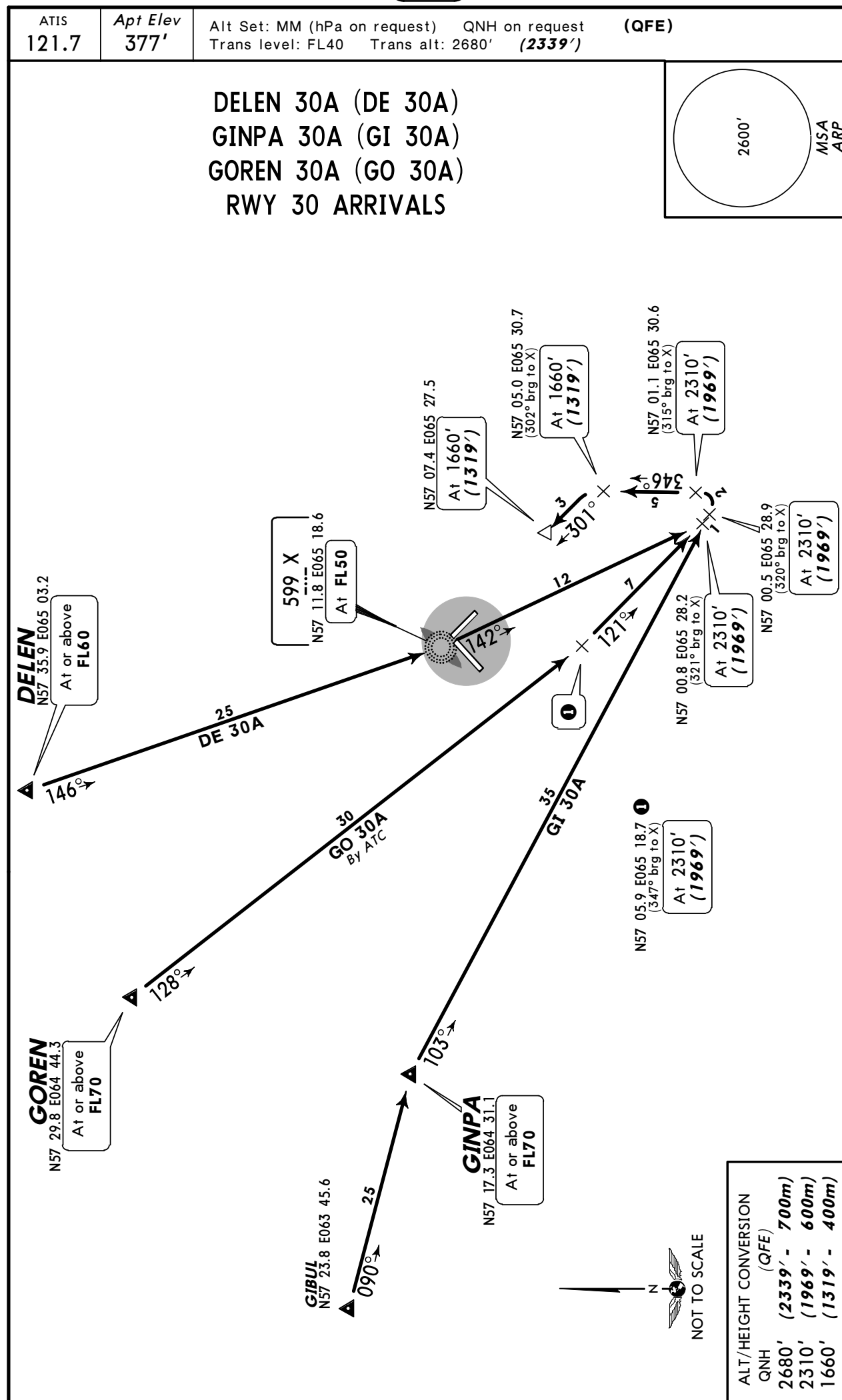
Alt Set: MM (hPa on request) QNH on request
Trans level: FL40 Trans alt: 2680' (2342')

(QFE)

DELEN 21A (DE 21A), DELEN 21B (DE 21B)
GINPA 21A (GI 21A), GINPA 21B (GI 21B)
RWY 21 ARRIVALS



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2342' - 700m)
2310'	(1972' - 600m)
1660'	(1322' - 400m)

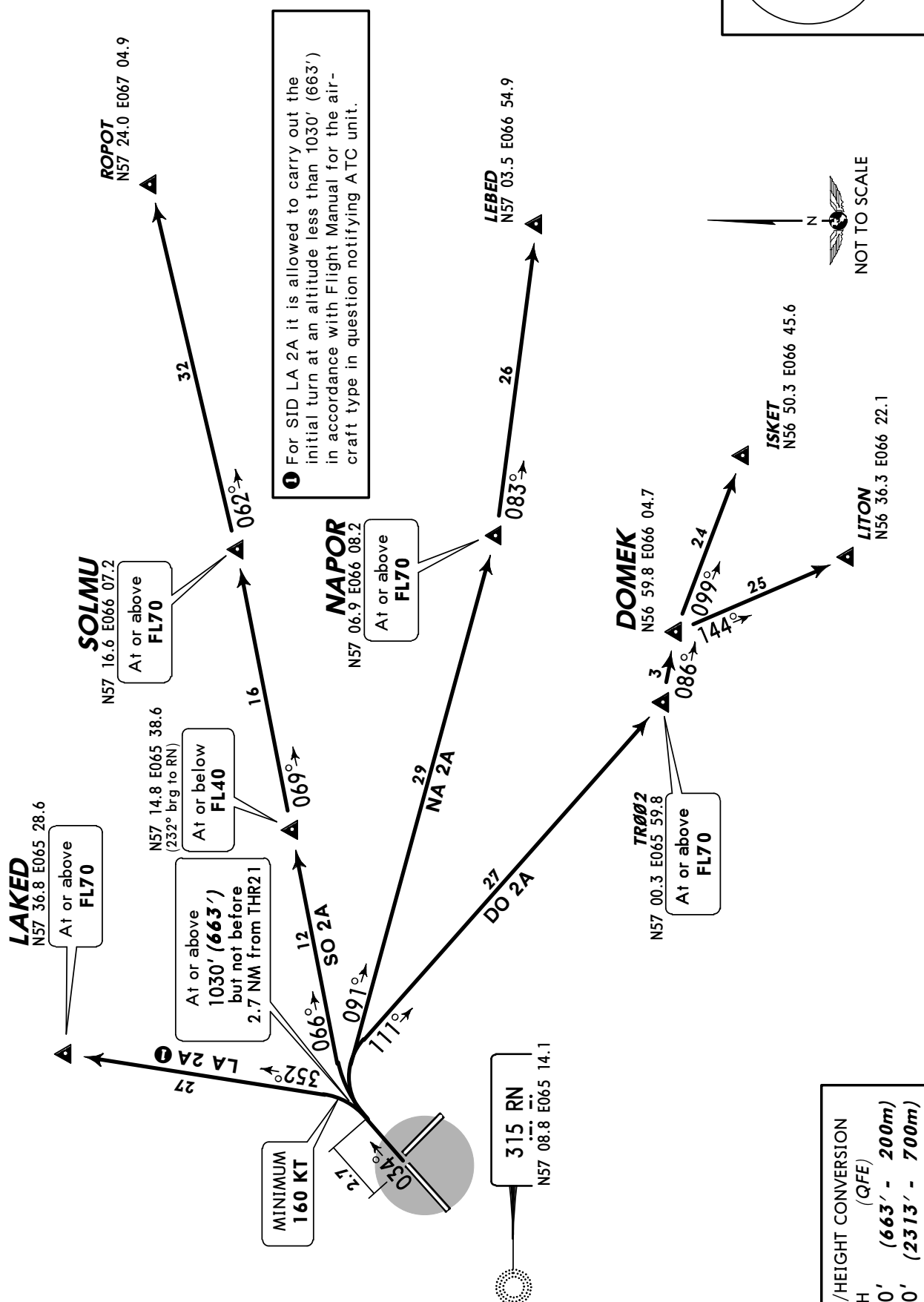


ALT/HEIGHT CONVERSION	
QNH	(<i>QFE</i>)
1000'	(662' - 200m)
1660'	(1322' - 400m)
2680'	(2342' - 700m)

Apt Elev
377'

QNH on request **(QFE)**
Trans level: FL40 Trans alt: 2680' **(2313')**

DOMEK 2A (DO 2A), LAKED 2A (LA 2A)
NAPOR 2A (NA 2A), SOLMU 2A (SO 2A)
RWY 03 DEPARTURES

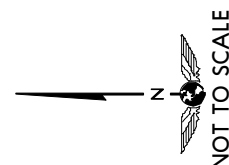
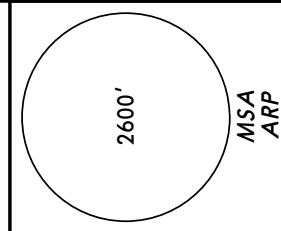


ALT/HEIGHT CONVERSION	QNH	(QFE)
	1030'	(663' - 200m)
	2680'	(2313' - 700m)

Apt Elev
377'

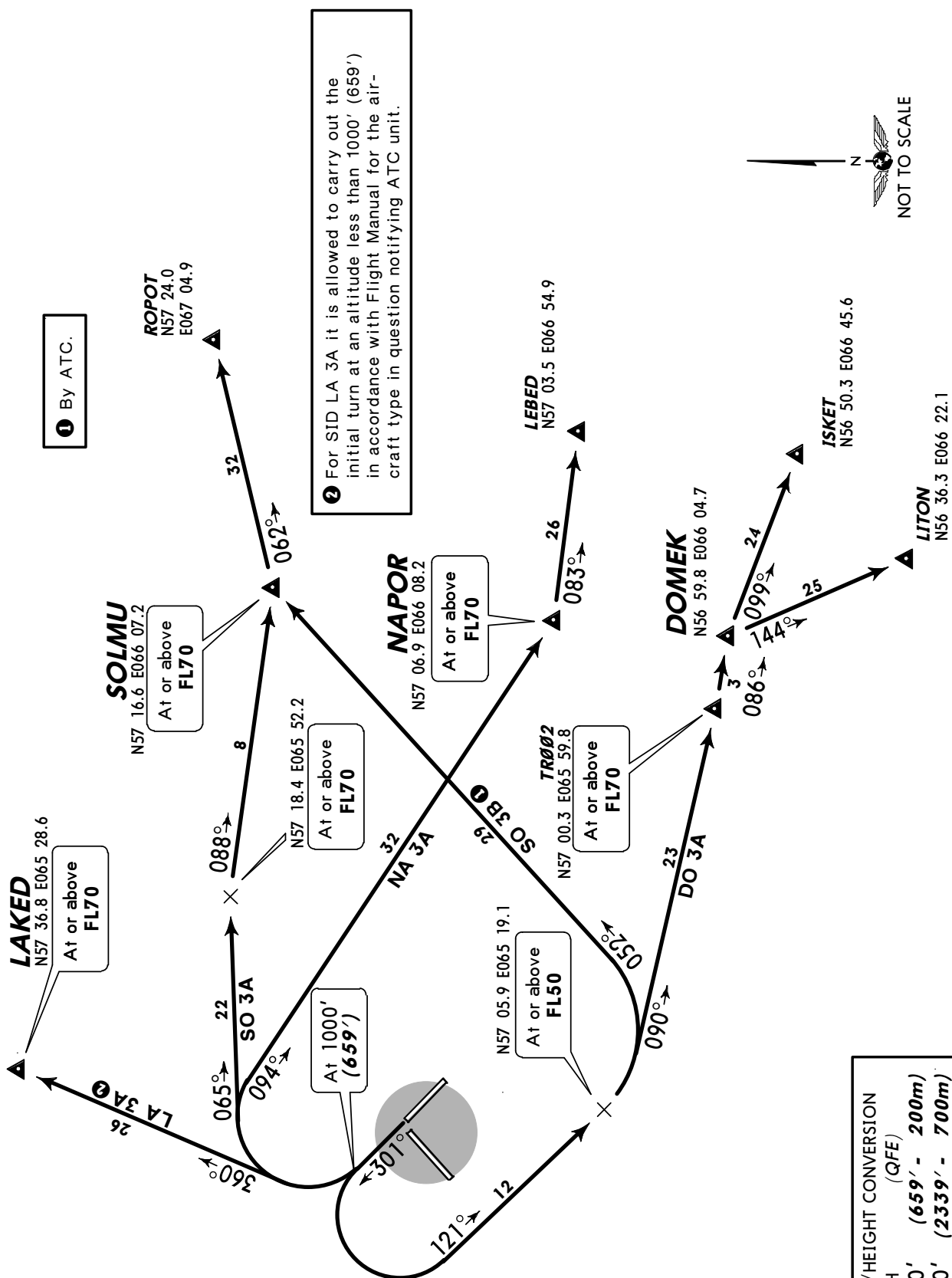
QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2339')

DOMEK 3A (DO 3A), LAKED 3A (LA 3A)
NAPOR 3A (NA 3A), SOLMU 3A (SO 3A)
SOLMU 3B (SO 3B) ①
RWY 30 DEPARTURES



① By ATC.

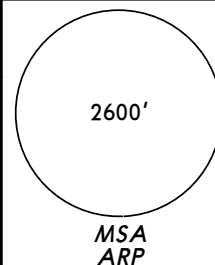
② For SID LA 3A it is allowed to carry out the initial turn at an altitude less than 1000' (659') in accordance with Flight Manual for the aircraft type in question notifying ATC unit.



ALT/HEIGHT CONVERSION
QNH (QFE)
1000' (659' - 200m)
2680' (2339' - 700m)

Apt Elev
377'

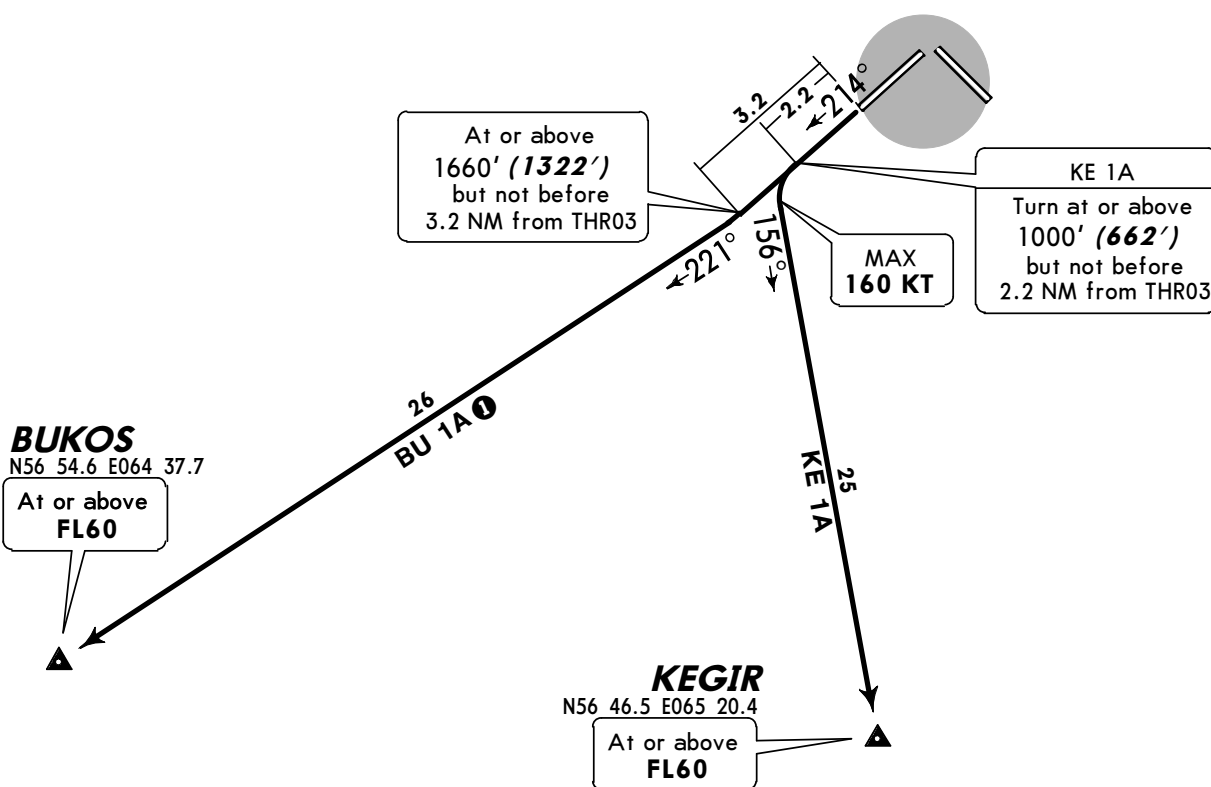
QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2342')



BUKOS 1A (BU 1A), KEGIR 1A (KE 1A)
RWY 21 DEPARTURES
BY ATC



It is allowed to carry out the initial turn at an altitude less than 1000' (662'), in accordance with Flight Manual for the aircraft type in question notifying ATC unit.



① Only for Russian users of airspace.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1000'	(662' - 200m)
1660'	(1322' - 400m)
2680'	(2342' - 700m)

Apt Elev
377'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2313')

2600'

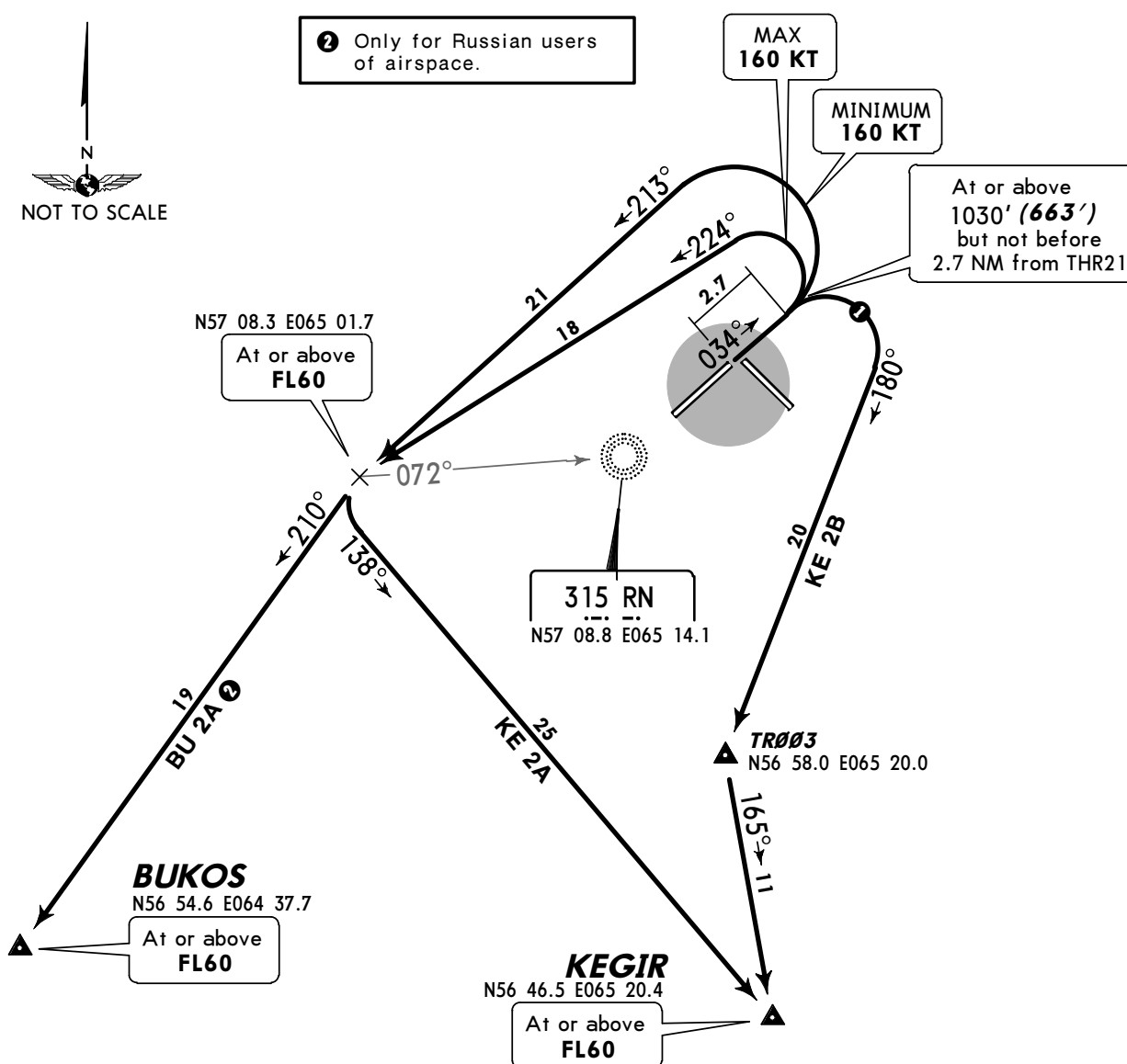
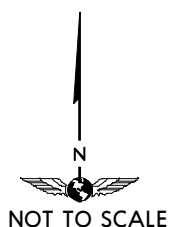
MSA
ARP

BUKOS 2A (BU 2A), KEGIR 2A (KE 2A)
KEGIR 2B (KE 2B)
RWY 03 DEPARTURES
BY ATC

It is allowed to carry out the initial turn at an altitude less than 1030' (663'), in accordance with Flight Manual for the aircraft type in question notifying ATC unit.

1 Warning: Aircraft with more than 160 KT should execute the initial turn with a radius not more than 1.9 NM.

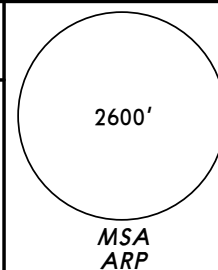
2 Only for Russian users of airspace.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1030'	(663' - 200m)
2680'	(2313' - 700m)

Apt Elev
377'

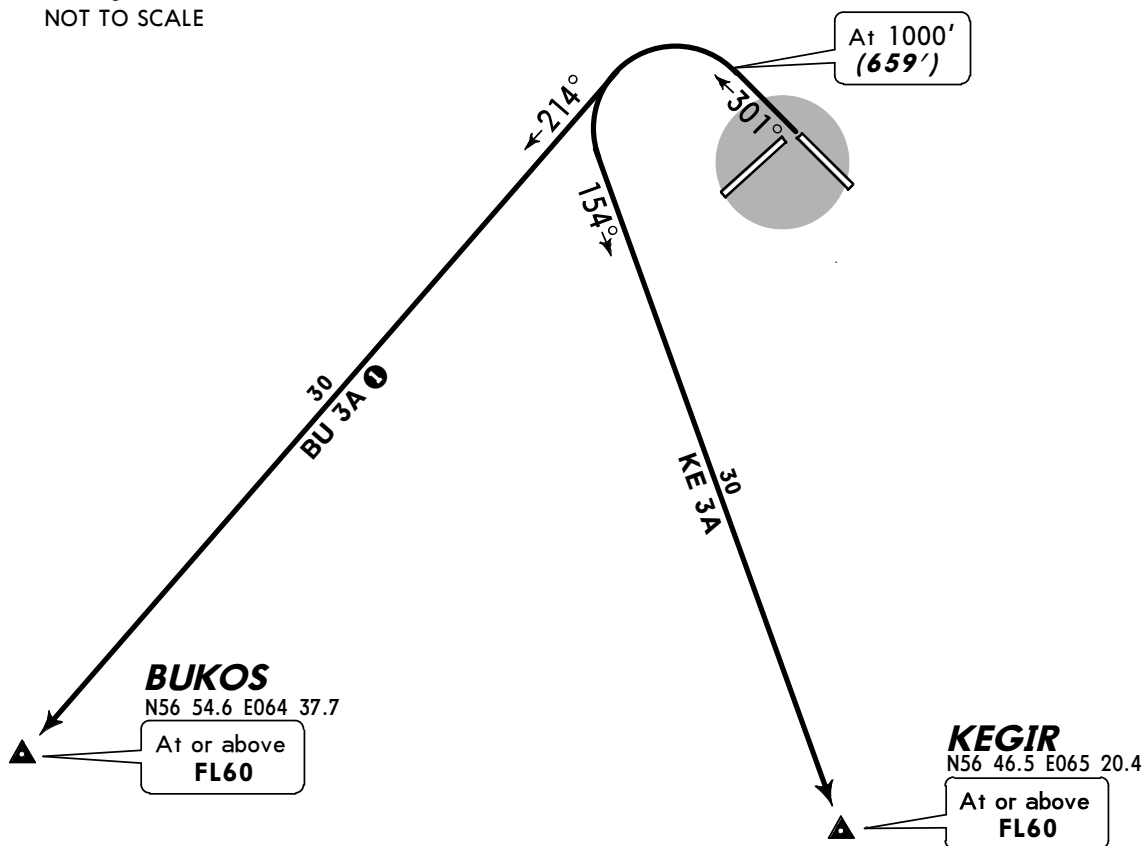
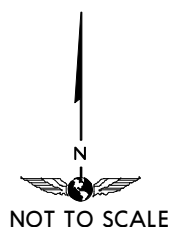
QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2339')



BUKOS 3A (BU 3A), KEGIR 3A (KE 3A)
RWY 30 DEPARTURES
BY ATC

It is allowed to carry out the initial turn at an altitude less than 1000' (659'), in accordance with Flight Manual for the aircraft type in question notifying ATC unit.

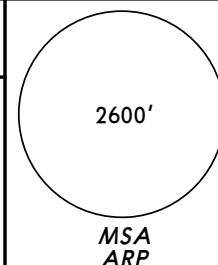
① Only for Russian users of airspace.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1000'	(659' - 200m)
2680'	(2339' - 700m)

Apt Elev
377'

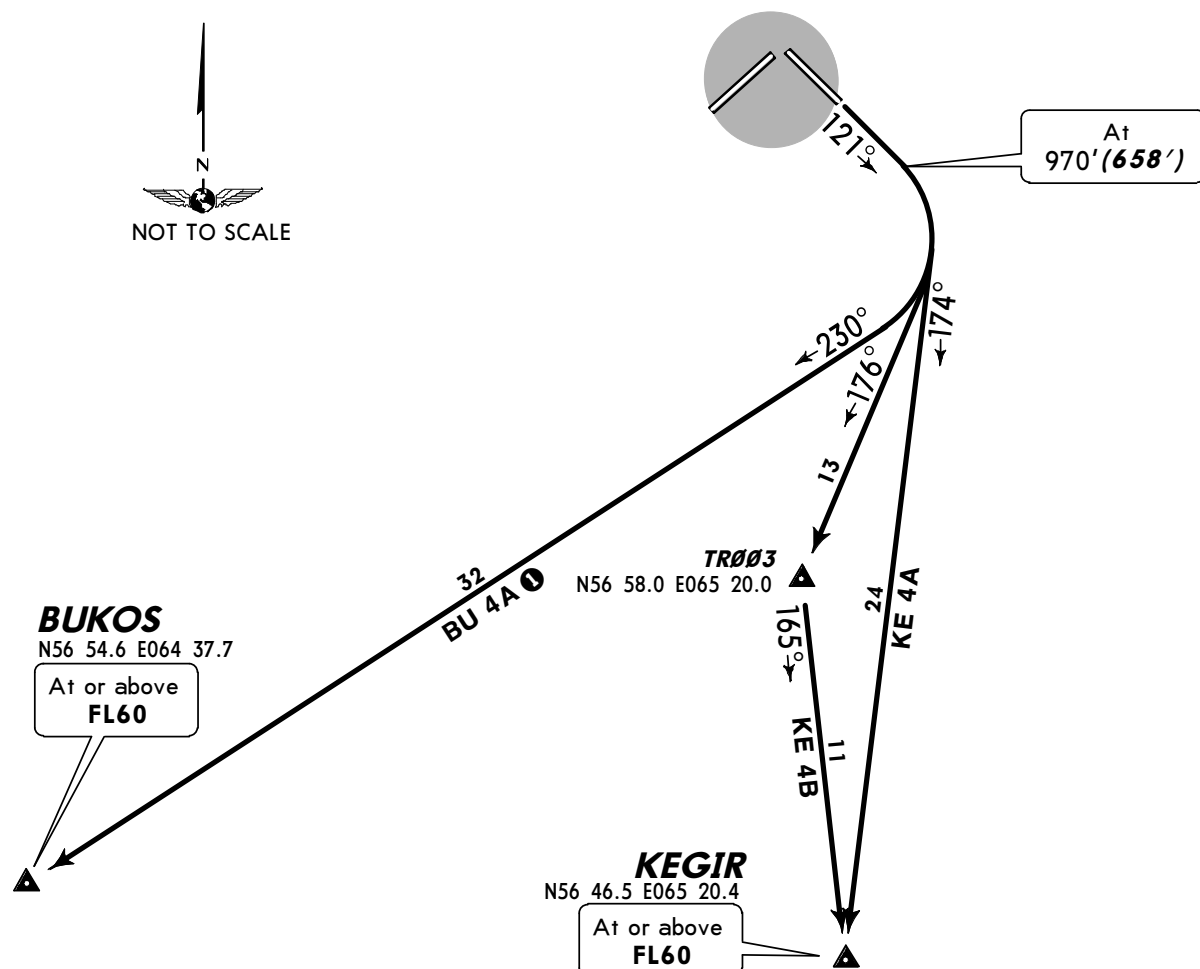
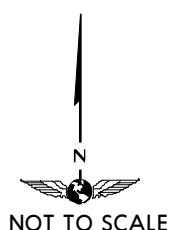
QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2368')



BUKOS 4A (BU 4A), KEGIR 4A (KE 4A)
KEGIR 4B (KE 4B)
RWY 12 DEPARTURES
BY ATC

It is allowed to carry out the initial turn
at an altitude less than 970' (658'), in
accordance with Flight Manual for the air-
craft type in question notifying ATC unit.

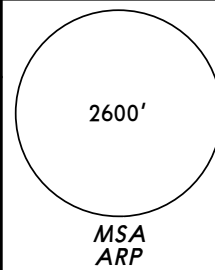
① Only for Russian users
of airspace.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
970'	(658' - 200m)
2680'	(2368' - 700m)

Apt Elev
377'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2342')



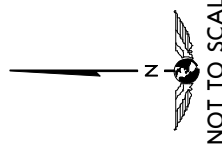
BEPAR 1A (BE 1A), BEPAR 1B (BE 1B)
GOREN 1A (GO 1A), GOREN 1B (GO 1B)
BY ATC
RWY 21 DEPARTURES

GOREN
N57 29.8 E064 44.3
At or above
FL60

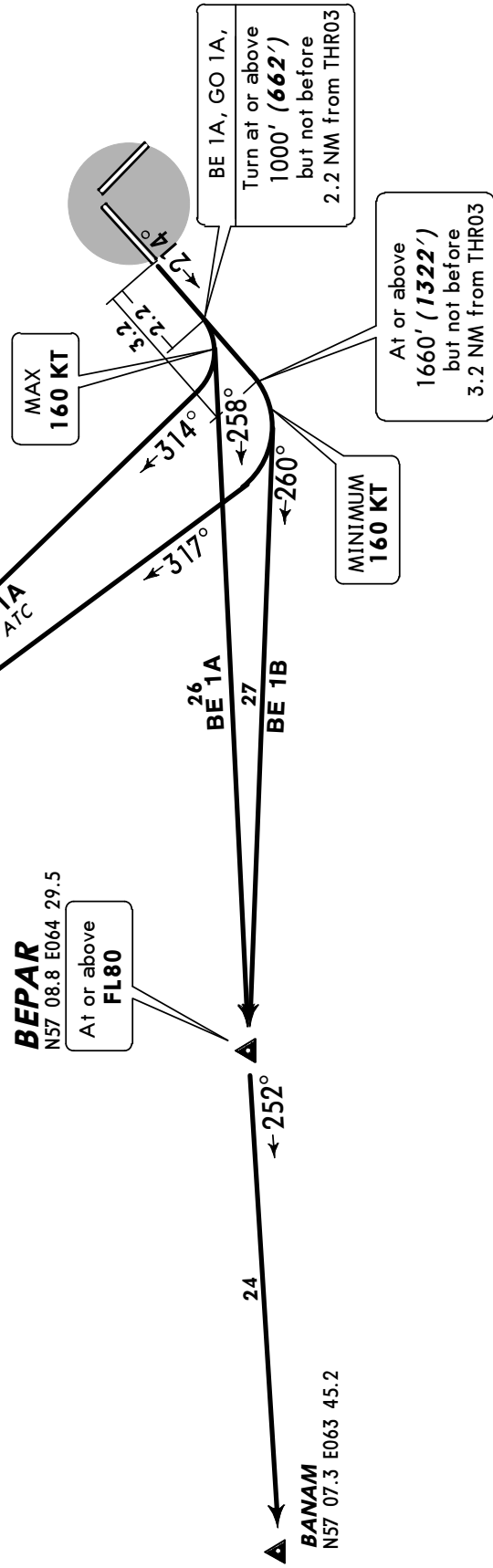
BEPAR
N57 08.8 E064 29.5
At or above
FL80

BANAM
N57 07.3 E063 45.2

It is allowed to carry out the initial turn
at an altitude less than 1000' (662'), in
accordance with Flight Manual for the air-
craft type in question notifying ATC unit.



ALT/HEIGHT CONVERSION (QFE)	
1000'	(662' - 200m)
1660'	(1322' - 400m)
2680'	(2342' - 700m)



Apt Elev
377'

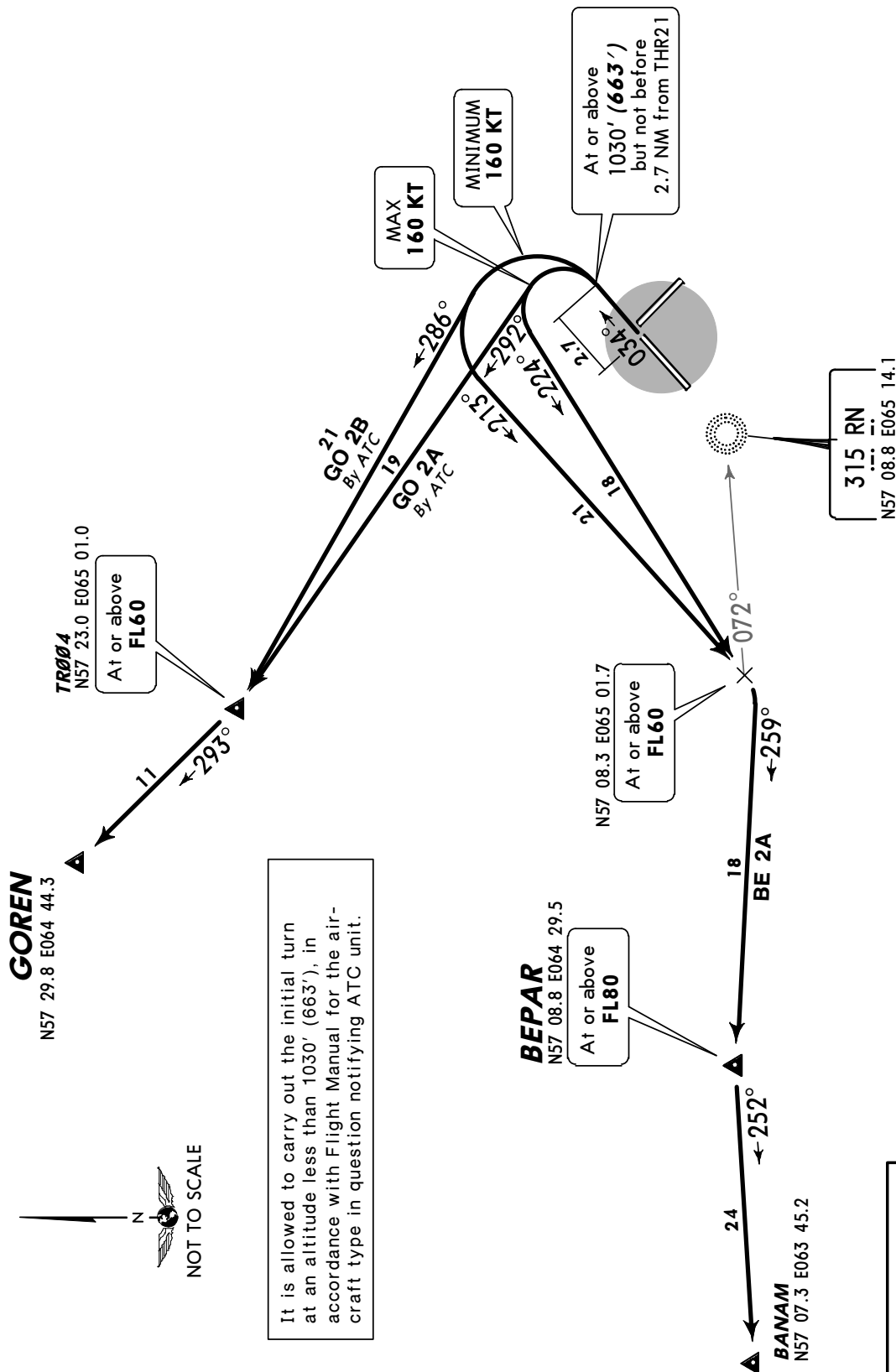
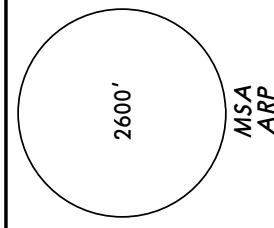
QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2313')

BEPAR 2A (BE 2A)

GOREN 2A (GO 2A), GOREN 2B (GO 2B)

BY ATC

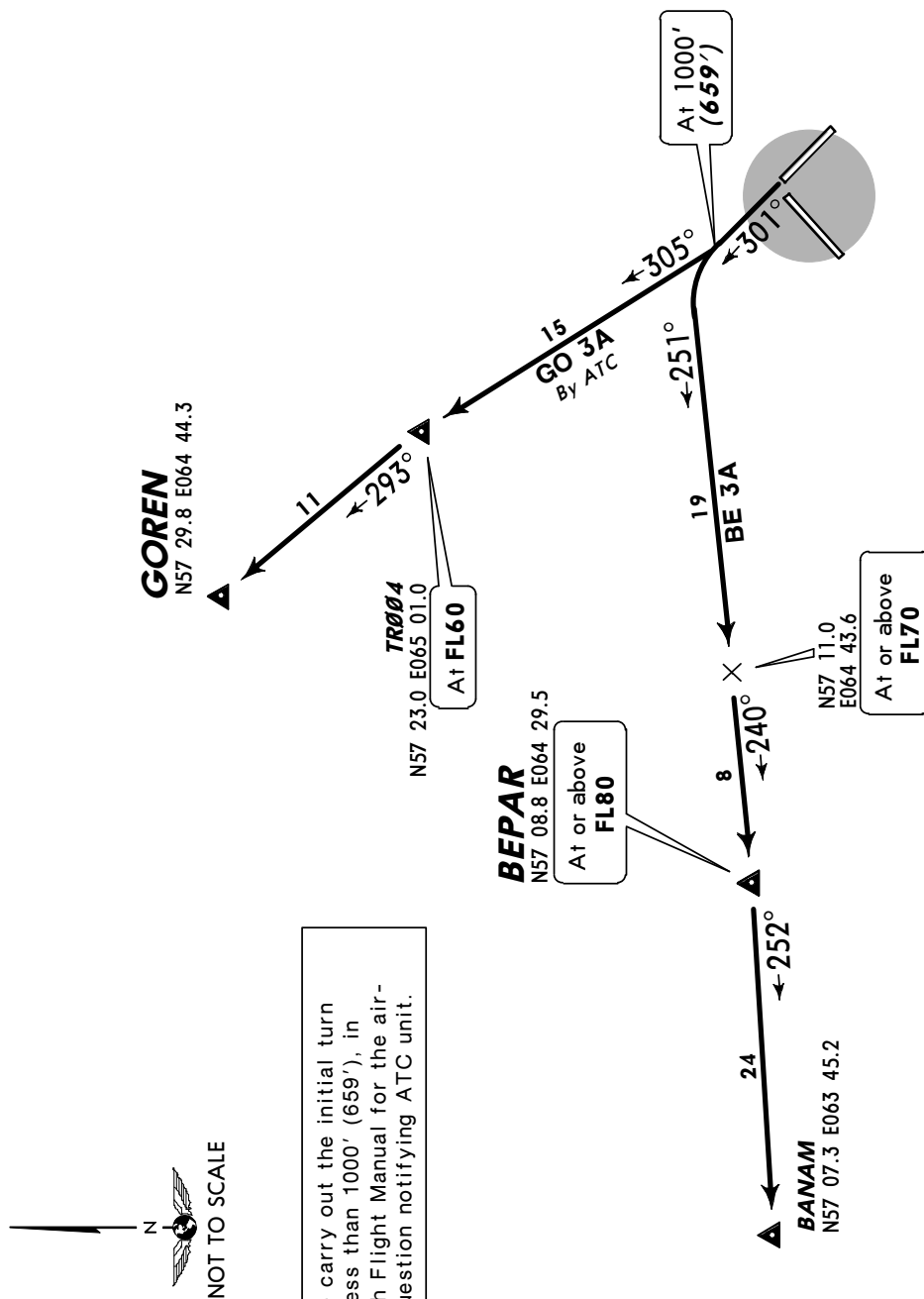
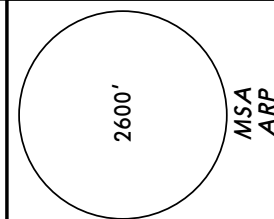
RWY 03 DEPARTURES



Apt Elev
377'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2339')

BEPAR 3A (BE 3A)
GOREN 3A (GO 3A)
BY ATC
RWY 30 DEPARTURES

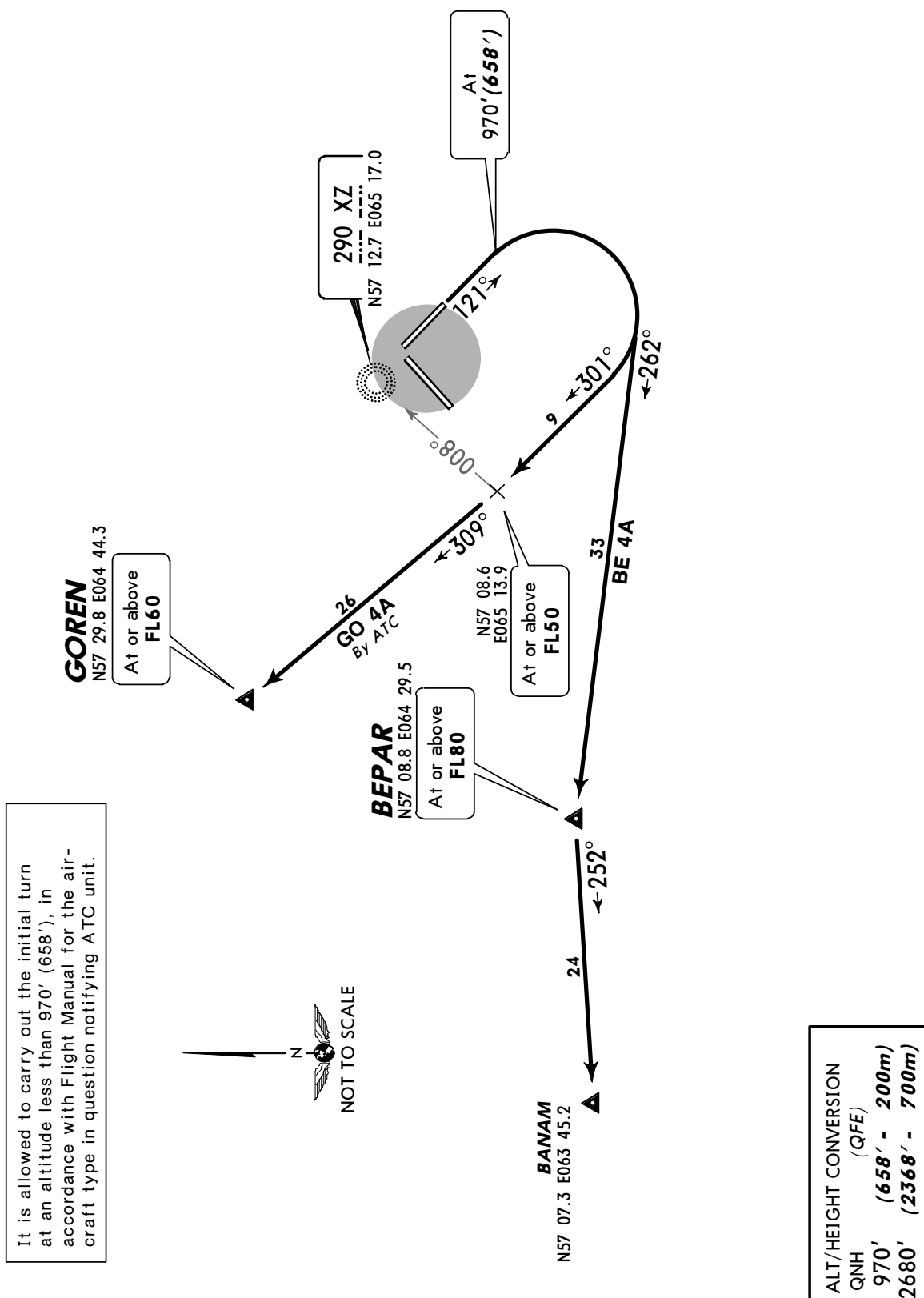
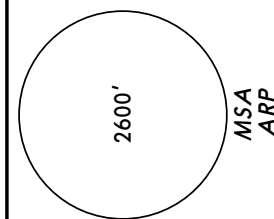


ALT/HEIGHT CONVERSION
QNH (QFE)
1000' (659' - 200m)
2680' (2339' - 700m)

Apt Elev
377'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2368')

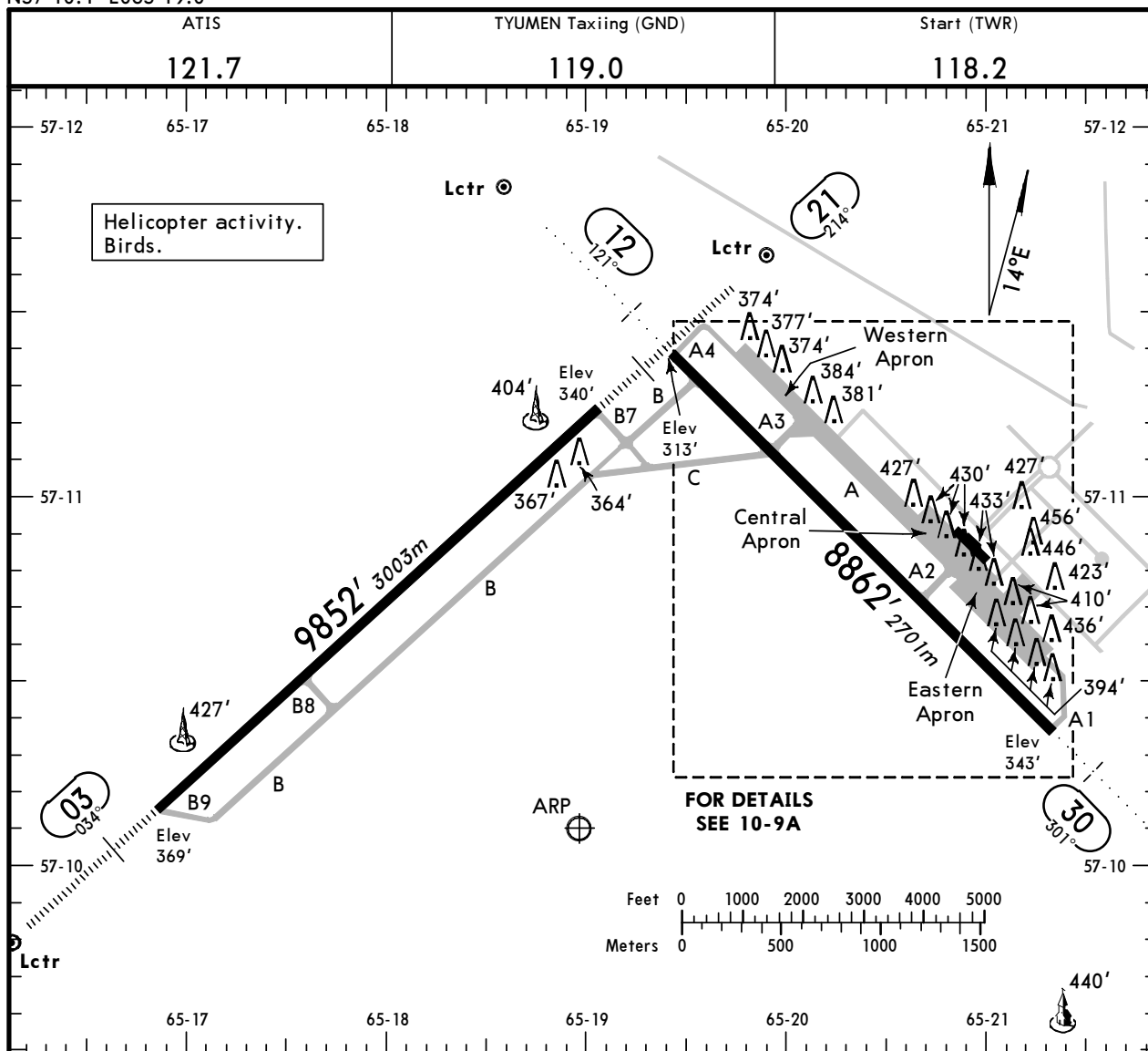
BEPAR 4A (BE 4A)
GOREN 4A (GO 4A)
BY ATC
RWY 12 DEPARTURES



USTR/TJM
 Apt Elev **377'**
 N57 10.1 E065 19.0

JEPPesen
 19 JUL 13 **10-9** Eff 25 Jul

TYUMEN, RUSSIA
ROSHCHINO



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION					USABLE LENGTHS		TAKE-OFF	WIDTH
					LANDING BEYOND			
RWY					Threshold	Glide Slope		
03	HIRL (60m)	HIALS	PAPI-L (2.67°)	RVR		8819' 2688m	9524' 2903m ①	148'
21	HIRL (60m)	HIALS	PAPI-L (2.67°)	RVR		8941' 2725m		45m
12	RL (50m)	ALS	PAPI-L (2.67°)	RVR			8533' 2601m ①	164'
30	RL (50m)	ALS	PAPI-L (3.00°)	RVR				50m

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

TAKE-OFF

AIR CARRIER (JAA)

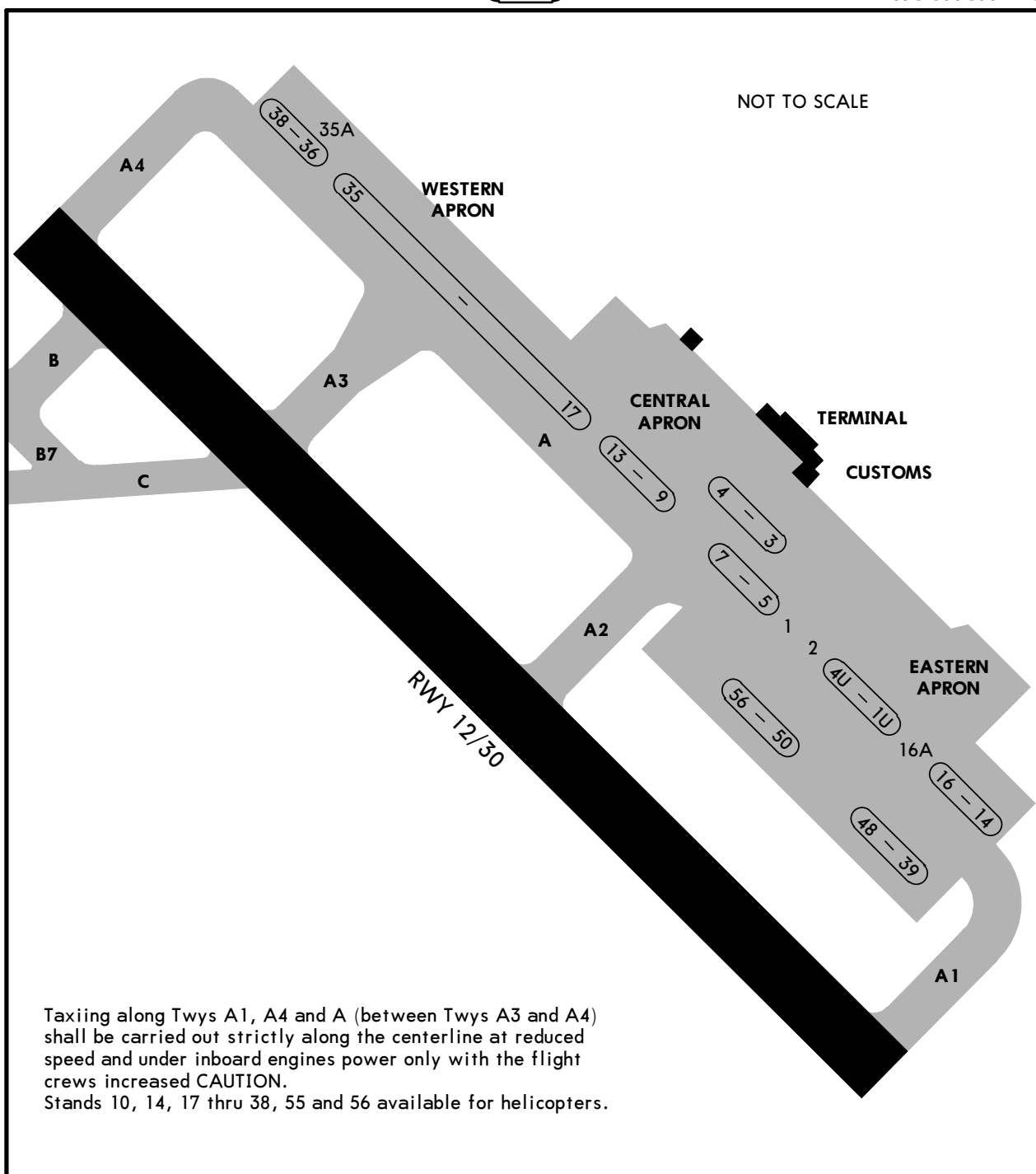
All Rwys

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A		
B	250m	400m
C		
D	300m	



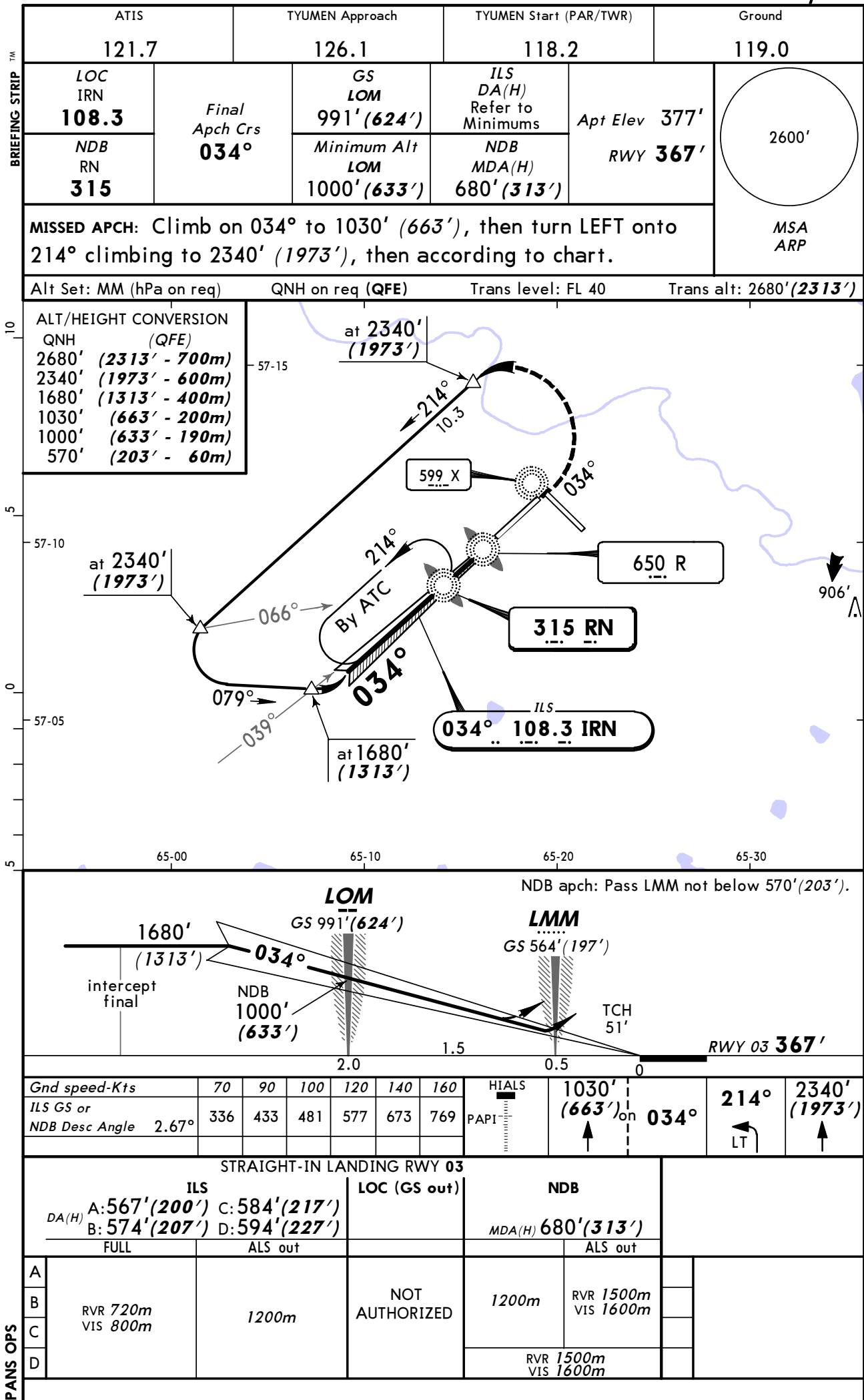
INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1	N57 10.7 E065 21.1	35 A	N57 11.3 E065 19.0
2	N57 10.7 E065 21.0	36	N57 11.3 E065 19.9
3	N57 10.8 E065 21.0	37	N57 11.4 E065 19.9
4, 5	N57 10.8 E065 20.0	38	N57 11.4 E065 19.8
6, 7	N57 10.8 E065 20.9	39 thru 41	N57 10.5 E065 21.3
8	N57 10.9 E065 20.9	42	N57 10.6 E065 21.3
9 thru 11	N57 10.9 E065 20.8	43 thru 45	N57 10.6 E065 21.2
12, 13	N57 10.9 E065 20.7	46 thru 49	N57 10.6 E065 21.1
17 thru 19	N57 10.0 E065 20.6	50, 51	N57 10.7 E065 21.0
20 thru 22	N57 11.0 E065 20.5	52 thru 54	N57 10.7 E065 20.0
23 thru 25	N57 11.1 E065 20.4	55	N57 10.7 E065 20.9
26 thru 28	N57 11.1 E065 20.3	56	N57 10.8 E065 20.9
29 thru 31	N57 11.2 E065 20.2		
32, 33	N57 11.2 E065 20.1		
34 thru 35	N57 11.3 E065 20.0		

STRAIGHT-IN RWY		A	B	C	D
03	ILS	567' (200')	574' (207')	584' (217')	594' (227')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	RNAV ①	680' (309')	680' (309')	680' (309')	680' (309')
		R750m	R750m	R750m	R750m
	ALS out	R1400m	R1400m	R1400m	R1400m
	NDB ①	720' (353')	720' (353')	720' (353')	720' (353')
		R1000m	R1000m	R1200m	R1200m
	ALS out	R1600m	R1600m	R1600m	R1600m
12	RNAV ①	660' (346')	660' (346')	660' (346')	660' (346')
		R1400m	R1400m	R1400m	R1400m
	ALS out	R1500m	R1500m	R1600m	R1600m
	NDB ①	670' (356')	670' (356')	670' (356')	670' (356')
		R1400m	R1400m	R1400m	R1400m
	ALS out	R1600m	R1600m	R1600m	R1600m
21	ILS	538' (200')	538' (200')	538' (200')	538' (200')
	FULL	R550m	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	RNAV ①	650' (309')	650' (309')	650' (309')	650' (309')
		R750m	R750m	R750m	R750m
	ALS out	R1400m	R1400m	R1400m	R1400m
	NDB ①	690' (352')	690' (352')	690' (352')	690' (352')
		R1000m	R1000m	R1200m	R1200m
	ALS out	R1600m	R1600m	R1600m	R1600m
30	RNAV ①	710' (367')	710' (367')	710' (367')	710' (367')
		R1500m	R1500m	R1500m	R1500m
	ALS out	R1500m	R1500m	R1700m	R1700m
	NDB ①	1050' (707')	1050' (707')	1050' (707')	1050' (707')
		C3100m	C3100m	C3100m	C3100m
	ALS out	C3300m	C3300m	C3300m	C3300m
	NDB	1050' (707')	1050' (707')	1050' (707')	1050' (707')
		C3300m	C3300m	C3500m	C3500m
	ALS out	C3500m	C3500m	C3700m	C3700m

① Continuous Descent Final Approach.

TAKE-OFF RWY 03, 12, 21, 30		
LVP must be in Force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	250m	400m
B		
C		
D	300m	500m

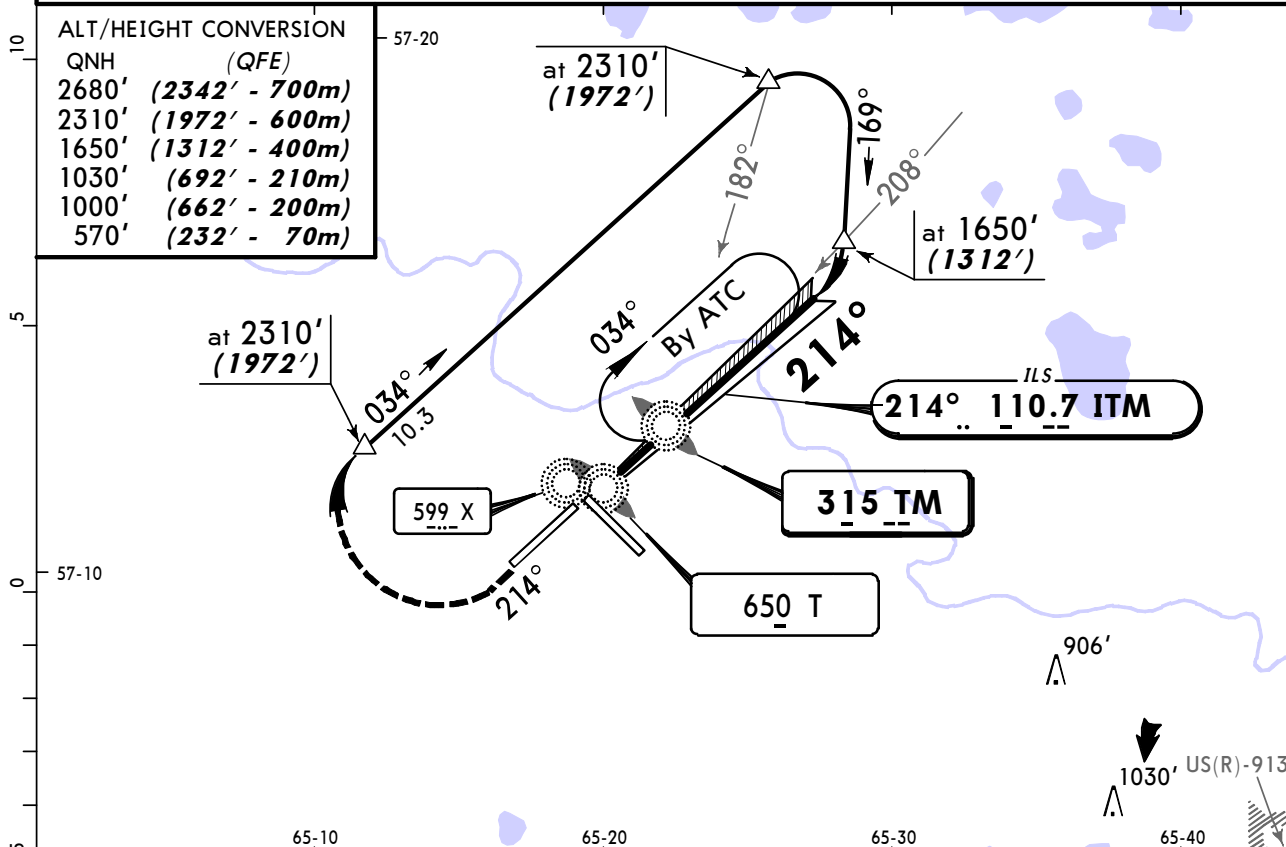


™

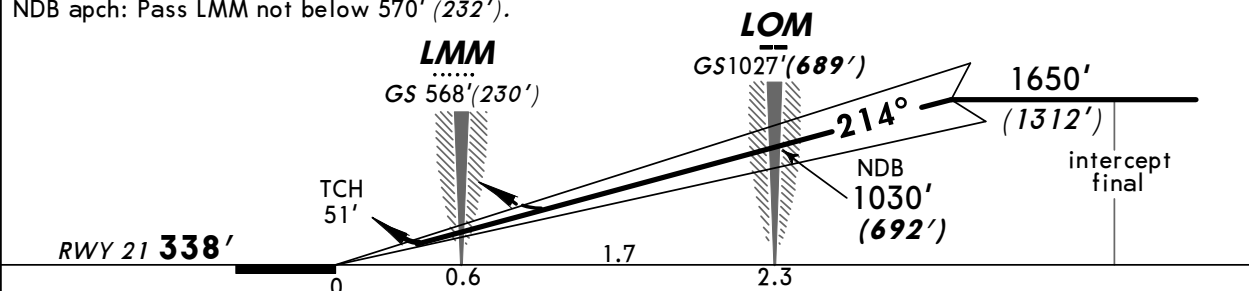
BRIEFING STRIP

ATIS 121.7		TYUMEN Approach 126.1		TYUMEN Start (PAR/TWR) 118.2		Ground 119.0		
LOC ITM 110.7		Final Apch Crs 214°	GS LOM 1027' (689')		ILS DA(H) 538' (200')		Apt Elev 377' RWY 338'	2600' MSA ARP
NDB TM 315			Minimum Alt LOM 1030' (692')		NDB MDA(H) 670' (332')			
MISSED APCH: Climb on 214° to 1000' (662'), then turn RIGHT onto 034° climbing to 2310' (1972'), then according to chart.								

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2342')



NDB apch: Pass LMM not below 570' (232').



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1000'	034°	2310'
ILS GS or	336	433	481	577	673	769	PAPI	(662') on 214°	RT	(1972')
NDB Desc Angle 2.67°										

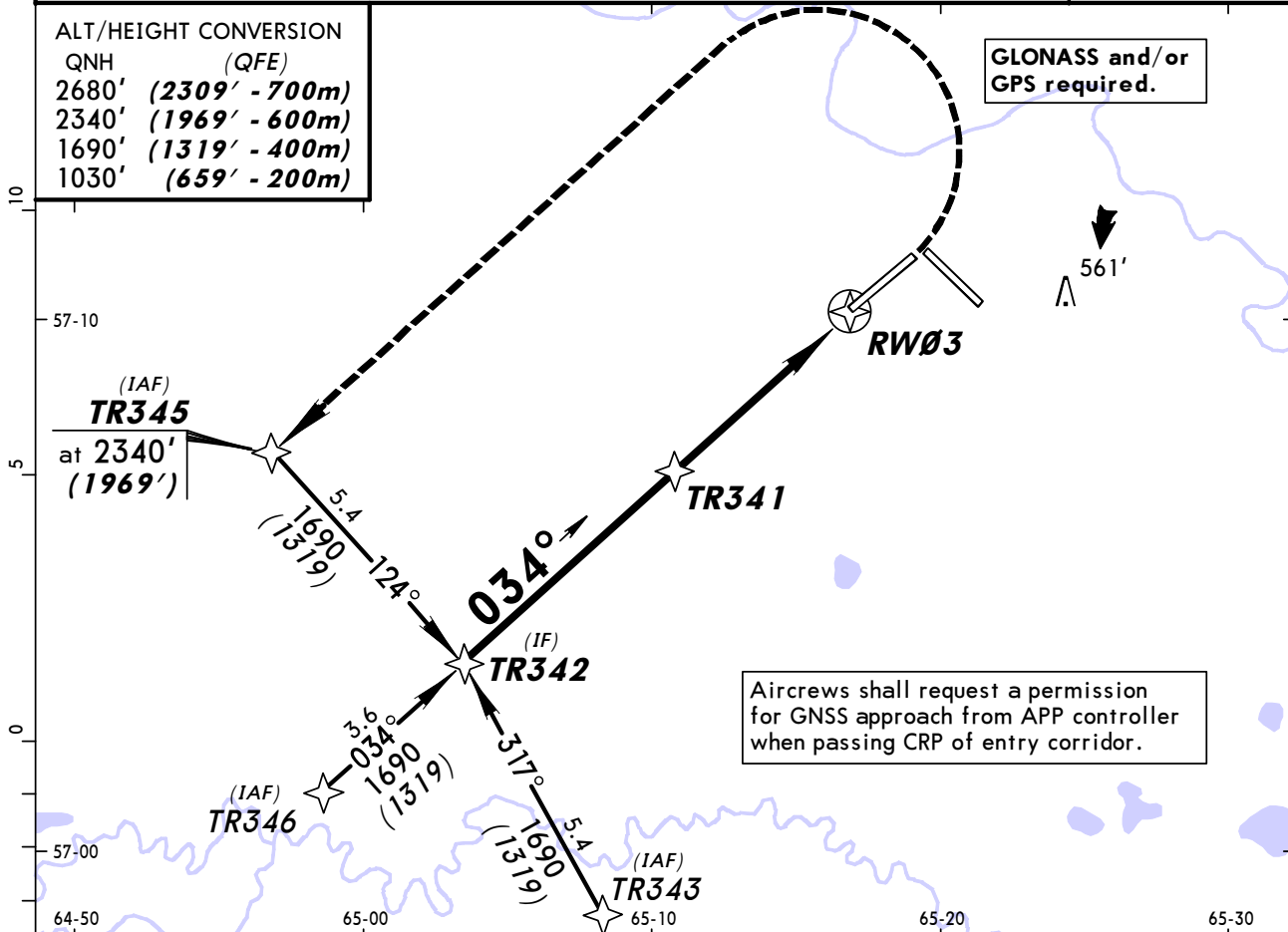
STRAIGHT-IN LANDING RWY 21					
ILS		LOC (GS out)		NDB	
DA(H) 538' (200')				MDA(H) 670' (332')	
FULL	ALS out				ALS out
A					
B					
C	RVR 720m VIS 800m	NOT AUTHORIZED		1200m	RVR 1500m VIS 1600m
D				RVR 1500m VIS 1600m	

PANS OPS

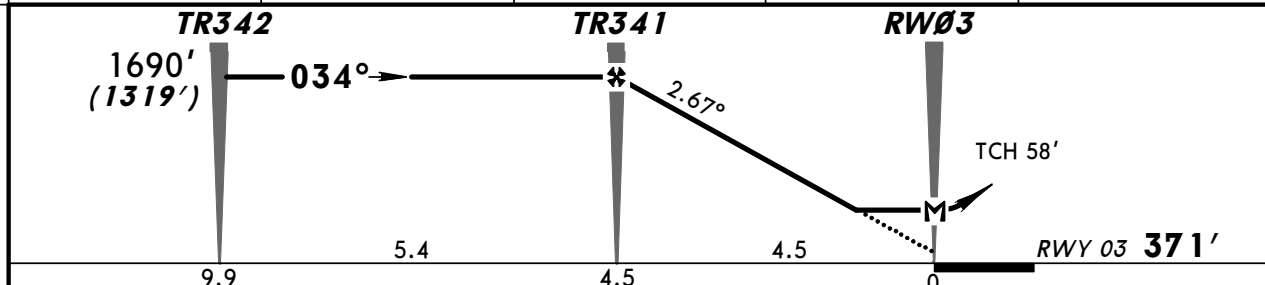
ATIS 121.7	TYUMEN Approach 126.1	TYUMEN Krug (SRE) 120.4	TYUMEN Start (PAR/TWR) 118.2	Ground 119.0
RNAV	Final Apch Crs 034°	Minimum Alt TR341 1690' (1319')	MDA(H) 680' (309')	Apt Elev 379' RWY 371'
MISSED APCH: Climb STRAIGHT AHEAD to 1030' (659'), then turn LEFT to proceed to TR345 climbing to 2340' (1969'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2309')				
Special acft and aircrew authorization required.				

ALT/HEIGHT CONVERSION

QNH	(QFE)
2680'	(2309' - 700m)
2340'	(1969' - 600m)
1690'	(1319' - 400m)
1030'	(659' - 200m)



DIST to RW03	4.3	3.2	2.2	1.1
ALTITUDE (HAT)	1650' (1279')	1340' (969')	1050' (679')	740' (369')



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 2.67°	331	425	472	567	661	756
MAP at RW03						

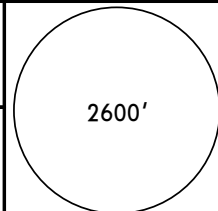
STRAIGHT-IN LANDING RWY 03

MDA(H) 680' (309')

ALS out

A		
B		
C	1200m	RVR 1500m VIS 1600m
D		RVR 1500m VIS 1600m

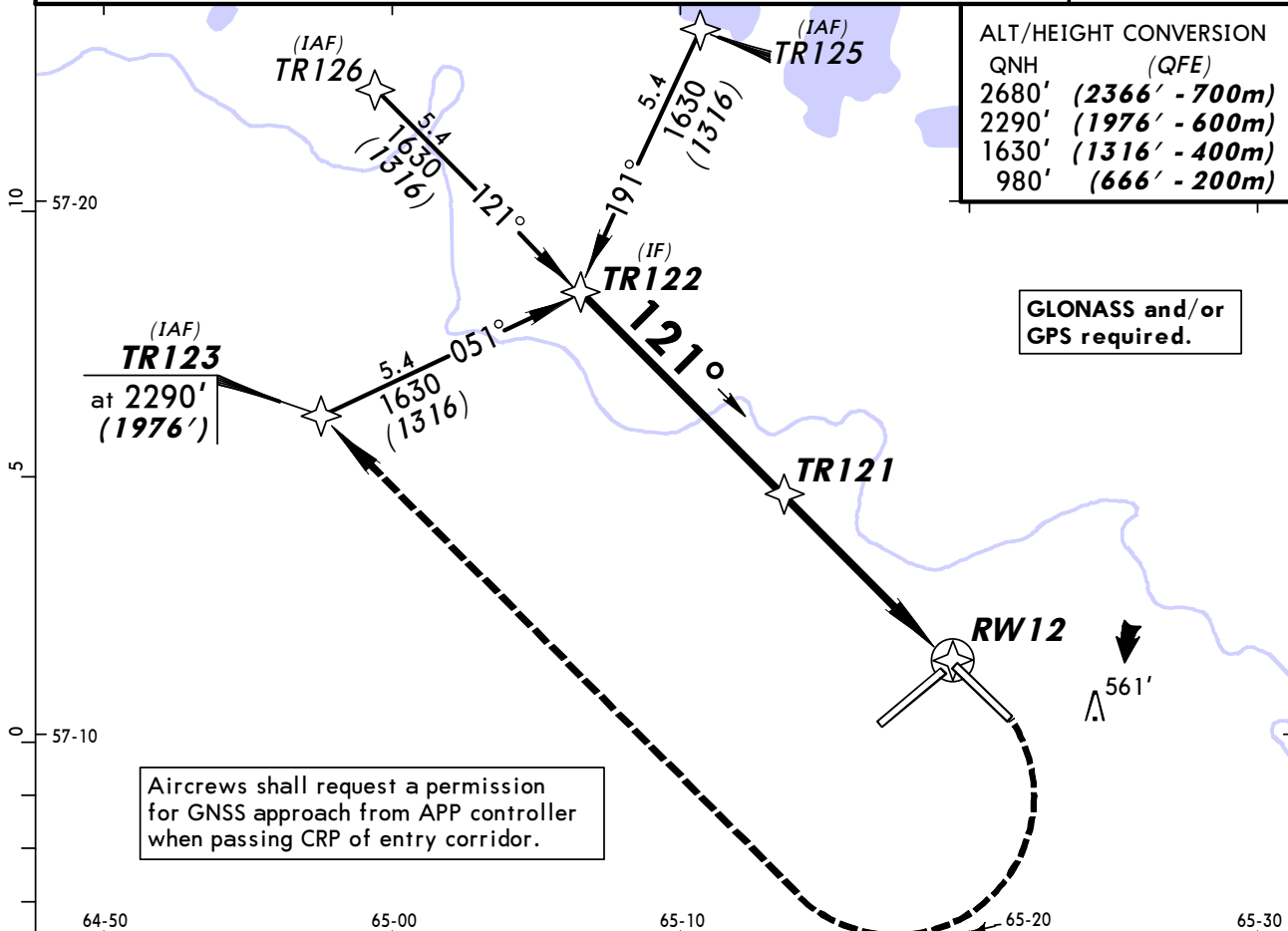
ATIS 121.7	TYUMEN Approach 126.1	TYUMEN Krug (SRE) 120.4	TYUMEN Start (PAR/TWR) 118.2	Ground 119.0
RNAV	Final Apch Crs 121°	Minimum Alt TR121 1630' (1316')	MDA(H) 660' (346')	Apt Elev 379' RWY 314'
MISSED APCH: Climb STRAIGHT AHEAD to 980' (666'), then turn RIGHT to proceed to TR123 climbing to 2290' (1976'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2366') Special acft and aircrew authorization required.				



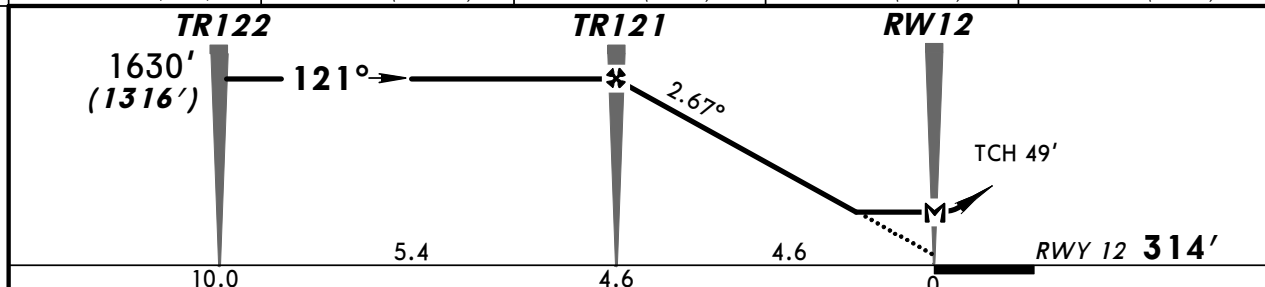
MSA ARP

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2366' - 700m)
2290'	(1976' - 600m)
1630'	(1316' - 400m)
980'	(666' - 200m)

GLONASS and/or
GPS required.



DIST to RW12	4.3	3.2	2.2	1.1
ALTITUDE (HAT)	1600' (1286')	1290' (976')	990' (676')	680' (366')



Gnd speed-Kts	70	90	100	120	140	160	ALS	980' (666')	TR123	2290' (1976')
Descent angle 2.67°	331	425	472	567	661	756	PAPI	↑	RT	↑
MAP at RW12										

STRAIGHT-IN LANDING RWY 12

MDA(H) 660' (346')

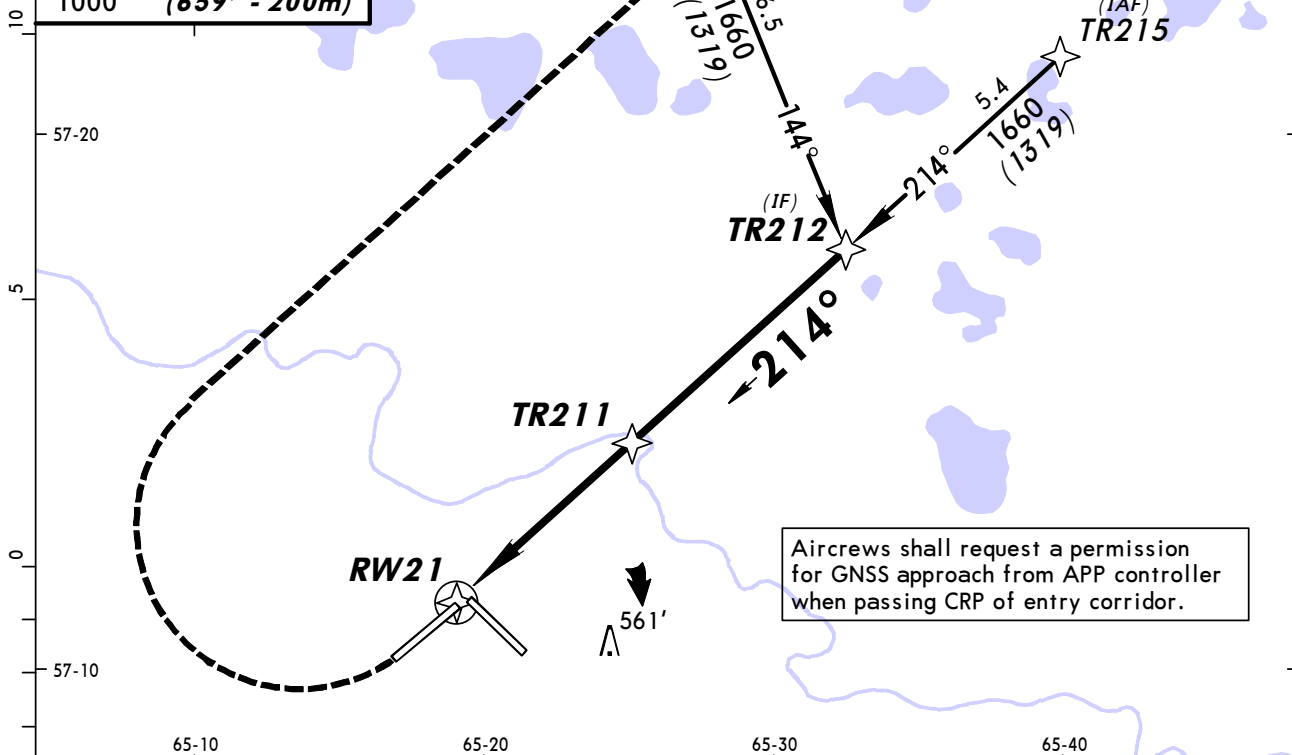
ALS out

A	RVR 1500m VIS 1600m
B	
C	
D	RVR 1800m VIS 2000m

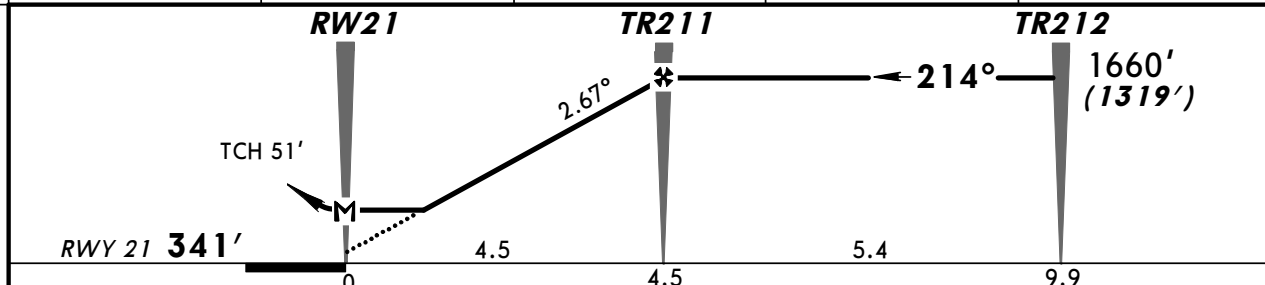
ATIS 121.7	TYUMEN Approach 126.1	TYUMEN Krug (SRE) 120.4	TYUMEN Start (PAR/TWR) 118.2	Ground 119.0
RNAV	Final Apch Crs 214°	Minimum Alt TR211 1660' (1319')	MDA(H) 650' (309')	Apt Elev 379' RWY 341'
MISSED APCH: Climb STRAIGHT AHEAD to 1000' (659'), then turn RIGHT to proceed to TR213 climbing to 2310' (1969'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2339') Special acft and aircrew authorization required.				
				2600' MSA ARP

ALT/HEIGHT CONVERSION

QNH	(QFE)
2680'	(2339' - 700m)
2310'	(1969' - 600m)
1660'	(1319' - 400m)
1000'	(659' - 200m)



DIST to RW21	1.1	2.2	3.2	4.3
ALTITUDE (HAT)	710' (369')	1020' (679')	1310' (969')	1630' (1289')



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1000' (659')	TR213	2310' (1969')
Descent angle 2.67°	331	425	472	567	661	756	PAPI	↑	RT	↑
MAP at RW21										

STRAIGHT-IN LANDING RWY 21

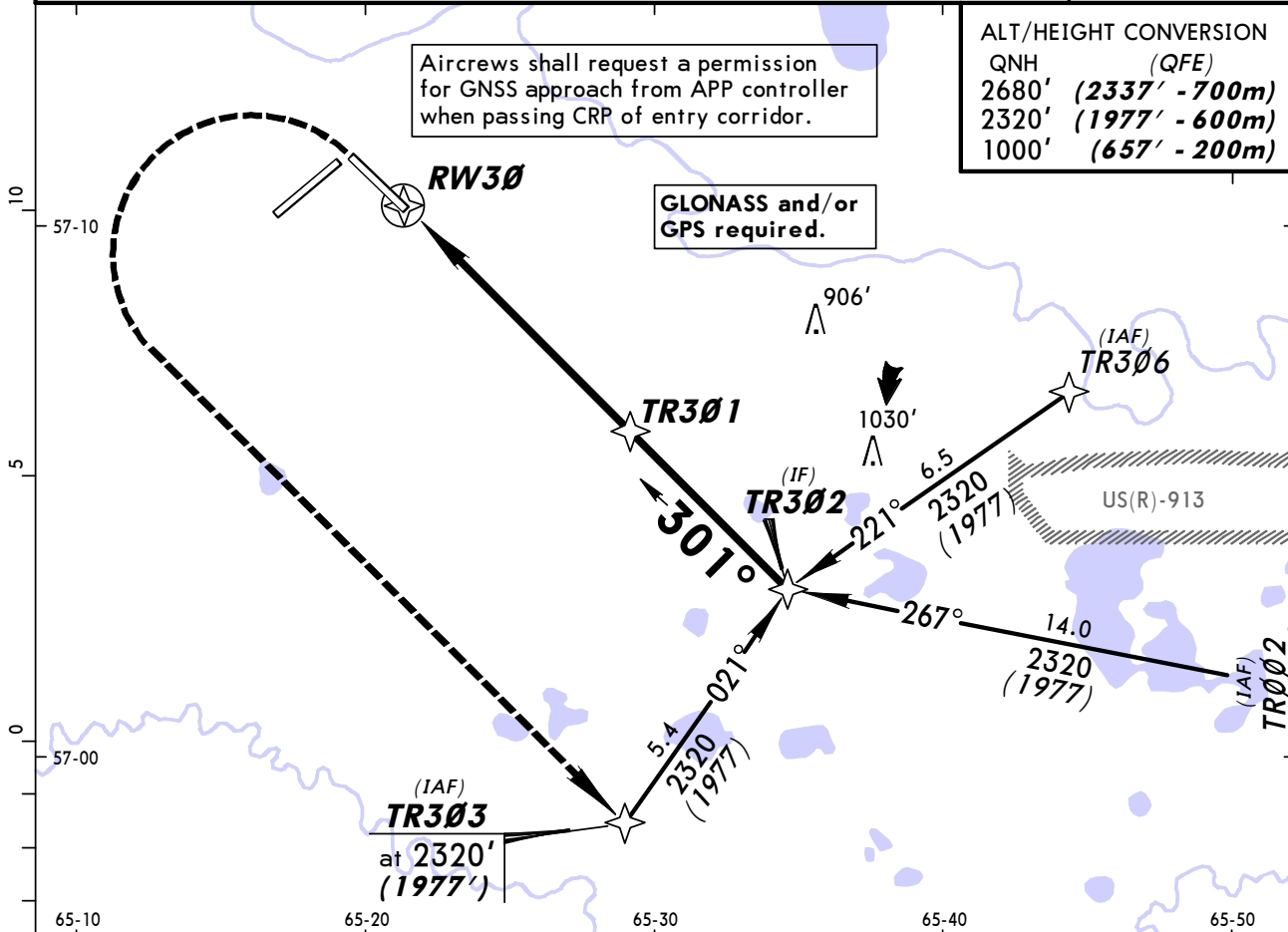
MDA(H) 650' (309')

ALS out

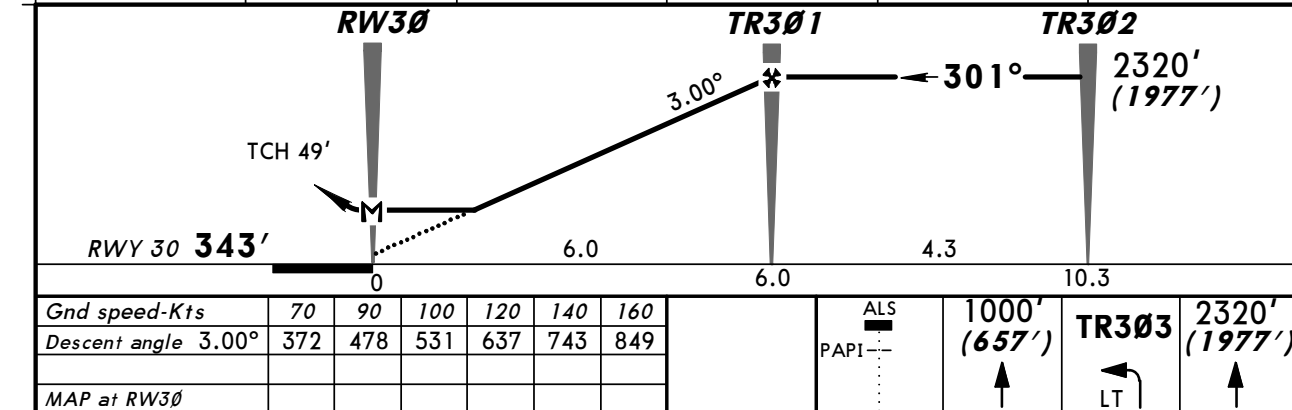
PANS OPS

A		
B	RVR 720m VIS 800m	RVR 1500m VIS 1600m
C		
D	RVR 1500m VIS 1600m	

ATIS 121.7	TYUMEN Approach 126.1	TYUMEN Krug (SRE) 120.4	TYUMEN Start (PAR/TWR) 118.2	Ground 119.0
RNAV	Final Apch Crs 301°	Minimum Alt TR301 2320' (1977')	MDA(H) 710' (367')	Apt Elev 379' RWY 343'
MISSED APCH: Climb STRAIGHT AHEAD to 1000' (657'), then turn LEFT to proceed to TR303 climbing to 2320' (1977'), then according to chart.				
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2337') Special acft and aircrew authorization required.				
				2600' MSA ARP



DIST to RW30	1.1	2.2	3.2	4.3	5.4
ALTITUDE (HAT)	740' (397')	1090' (747')	1430' (1087')	1780' (1437')	2120' (1777')



STRAIGHT-IN LANDING RWY 30

MDA(H) 710' (367')

ALS out

A	RVR 1500m VIS 1600m
B	
C	
D	RVR 1800m VIS 2000m

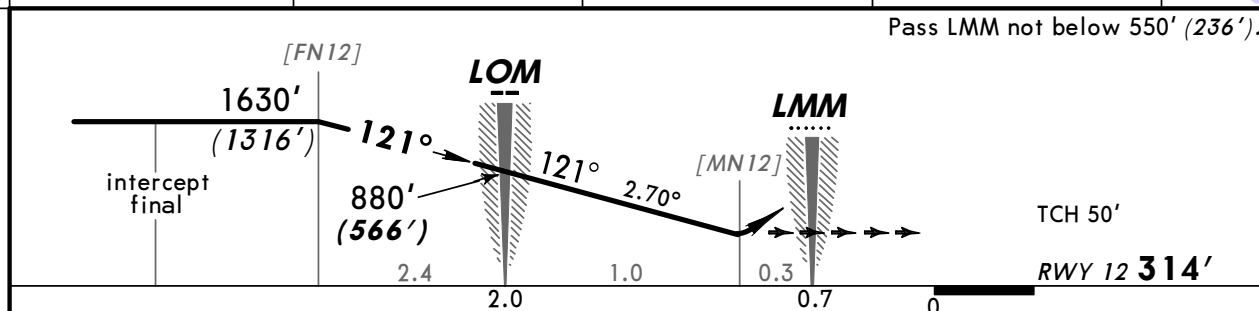
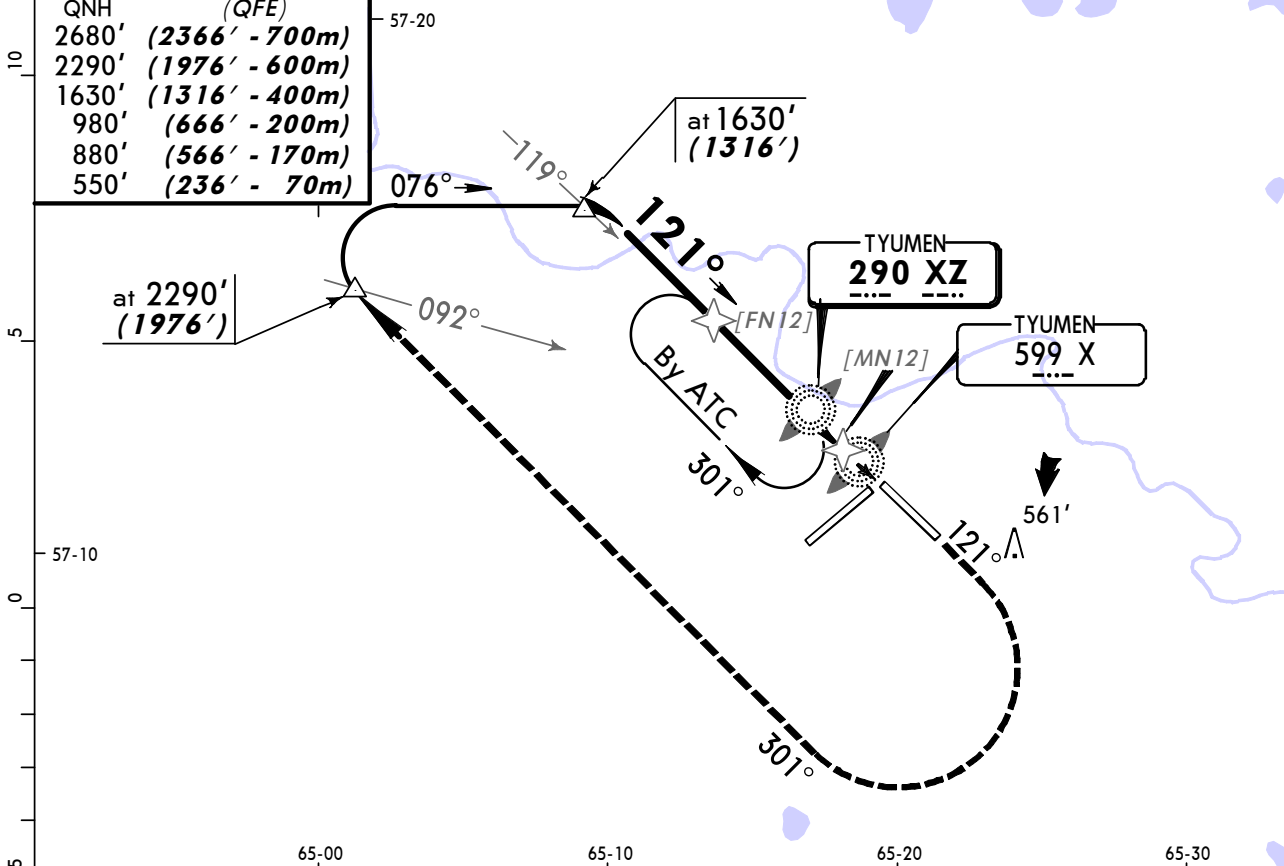
BRIEFING STRIP

ATIS 121.7	TYUMEN Approach 126.1	TYUMEN Krug (SRE) 120.4	TYUMEN Start (PAR/TWR) 118.2	Ground 119.0
NDB XZ 290	Final Apch Crs 121°	Minimum Alt LOM 880' (566')	MDA(H) 640' (326')	Apt Elev 379' RWY 314'
MISSED APCH: Climb on 121° to 980' (666'), then turn RIGHT onto 301° climbing to 2290' (1976'), then according to chart.				2600' MSA ARP

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2366')

ALT/HEIGHT CONVERSION

QNH	(QFE)
2680' (2366' - 700m)	
2290' (1976' - 600m)	
1630' (1316' - 400m)	
980' (666' - 200m)	
880' (566' - 170m)	
550' (236' - 70m)	



Gnd speed-Kts	70	90	100	120	140	160	ALS	980' (666') on 121°	301° RT	2290' (1976')
Descent Angle	2.70°	334	430	478	573	669	764			

STRAIGHT-IN LANDING RWY 12

MDA(H) 640' (326')

ALS out

PANS OPS

A										
B										
C										
D										

RVR 1500m
VIS 1600m

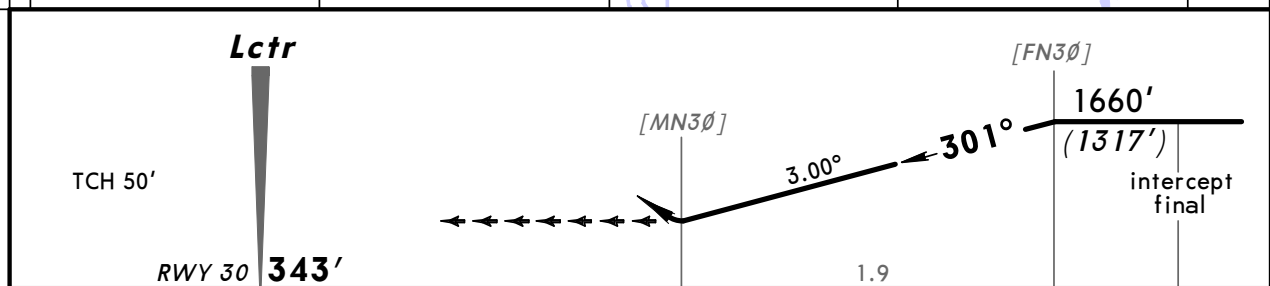
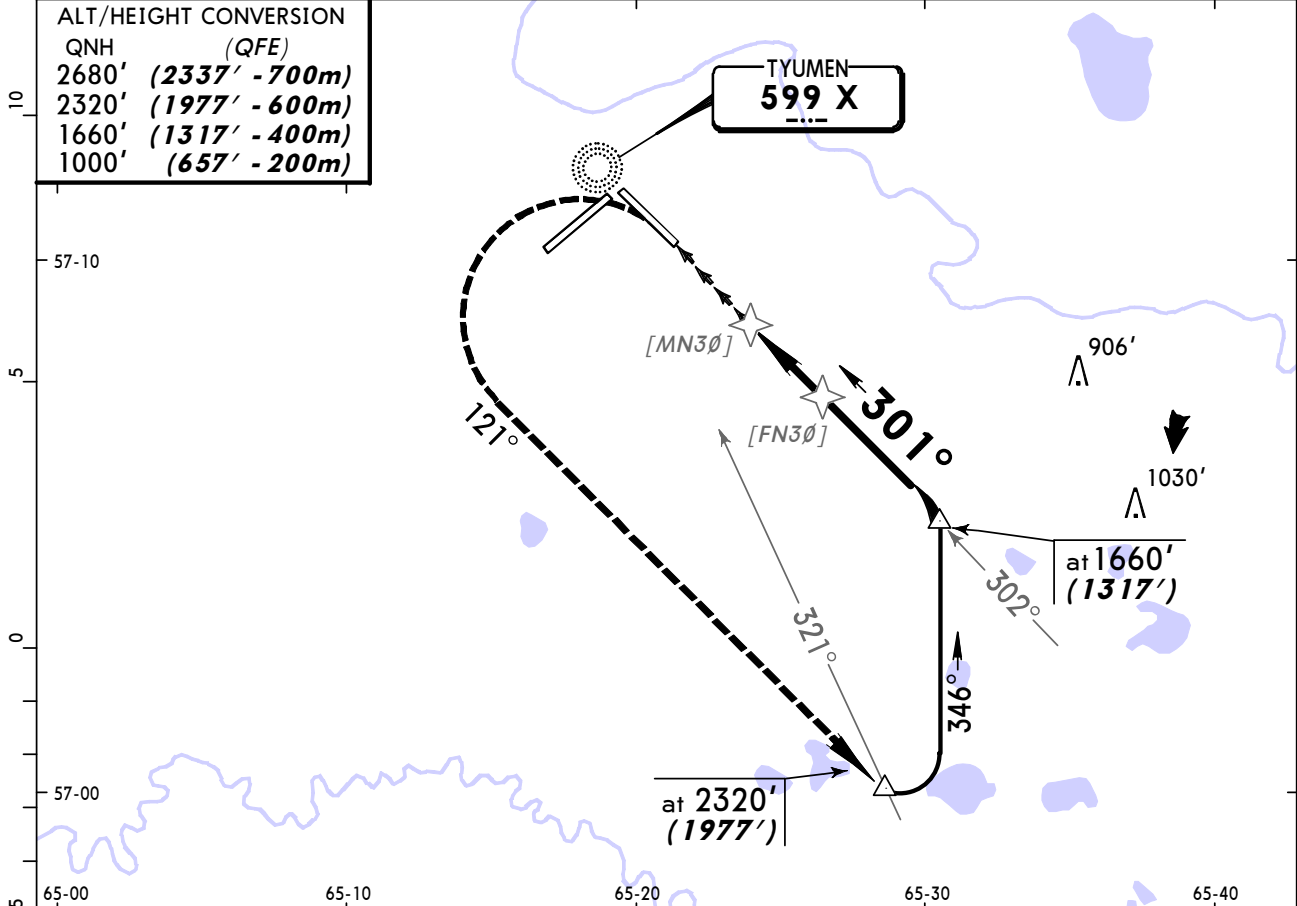
BRIEFING STRIP

ATIS 121.7	TYUMEN Approach 126.1	TYUMEN Krug (SRE) 120.4	TYUMEN Start (PAR/TWR) 118.2	Ground 119.0
Lctr X 599	Final Apch Crs 301°	Minimum Alt No FAF	MDA(H) 1050' (707')	Apt Elev 379' RWY 343'
MISSED APCH: Turn LEFT onto 121° climbing to 2320' (1977'), then according to chart.				2600' MSA ARP

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (**2337'**)

ALT/HEIGHT CONVERSION

QNH	(QFE)
2680'	(2337' - 700m)
2320'	(1977' - 600m)
1660'	(1317' - 400m)
1000'	(657' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	ALS	121°	2320' (1977')
Descent Angle	3.00°	372	478	531	637	743	849	LT	↑

STRAIGHT-IN LANDING RWY 30			
MDA(H) 1050' (707')			
ALS out			
A			
B	3200m		
C			
D	3600m		

PANS OPS



Chart changes since cycle 16-2013

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT PROCEDURE IDENT

INDEX

REV DATE

EFF DATE

TYUMEN, (ROSHCHINO - USTR)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport USTR