

Page 1

Changed chart(s) since Disc 26-2012

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport USTR

General Info

Tyumen, RUS

N 57° 10.1' E 65° 19.0' Mag Var: 13.9°E

Elevation: 379'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+6:00 no DST

Runway Info

Runway 03-21 9852' x 148' asphalt

Runway 12-30 8871' x 164' asphalt

Runway 03 (34.0°M) TDZE 371'

Lights: Edge, ALS

Runway 12 (121.0°M) TDZE 314'

Lights: Edge, ALS

Runway 21 (214.0°M) TDZE 341'

Lights: Edge, ALS

Runway 30 (301.0°M) TDZE 343'

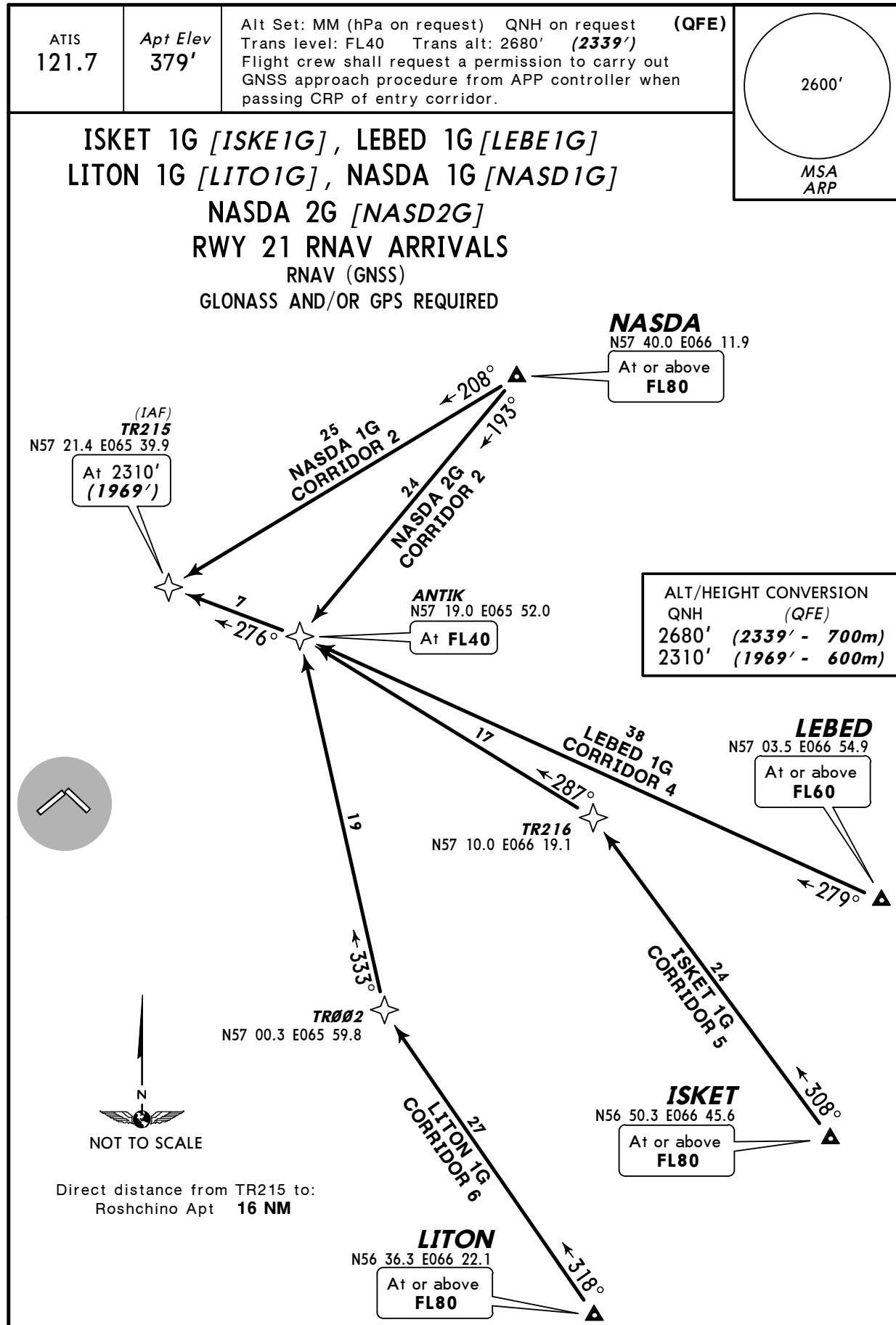
Lights: Edge, ALS

Communications InfoATIS **121.7**Tyumen Taxiing Tower **119.0**Tyumen Start Tower **118.2**Tyumen Approach Control **126.1**Tyumen Krug Radar **120.4****Notebook Info**

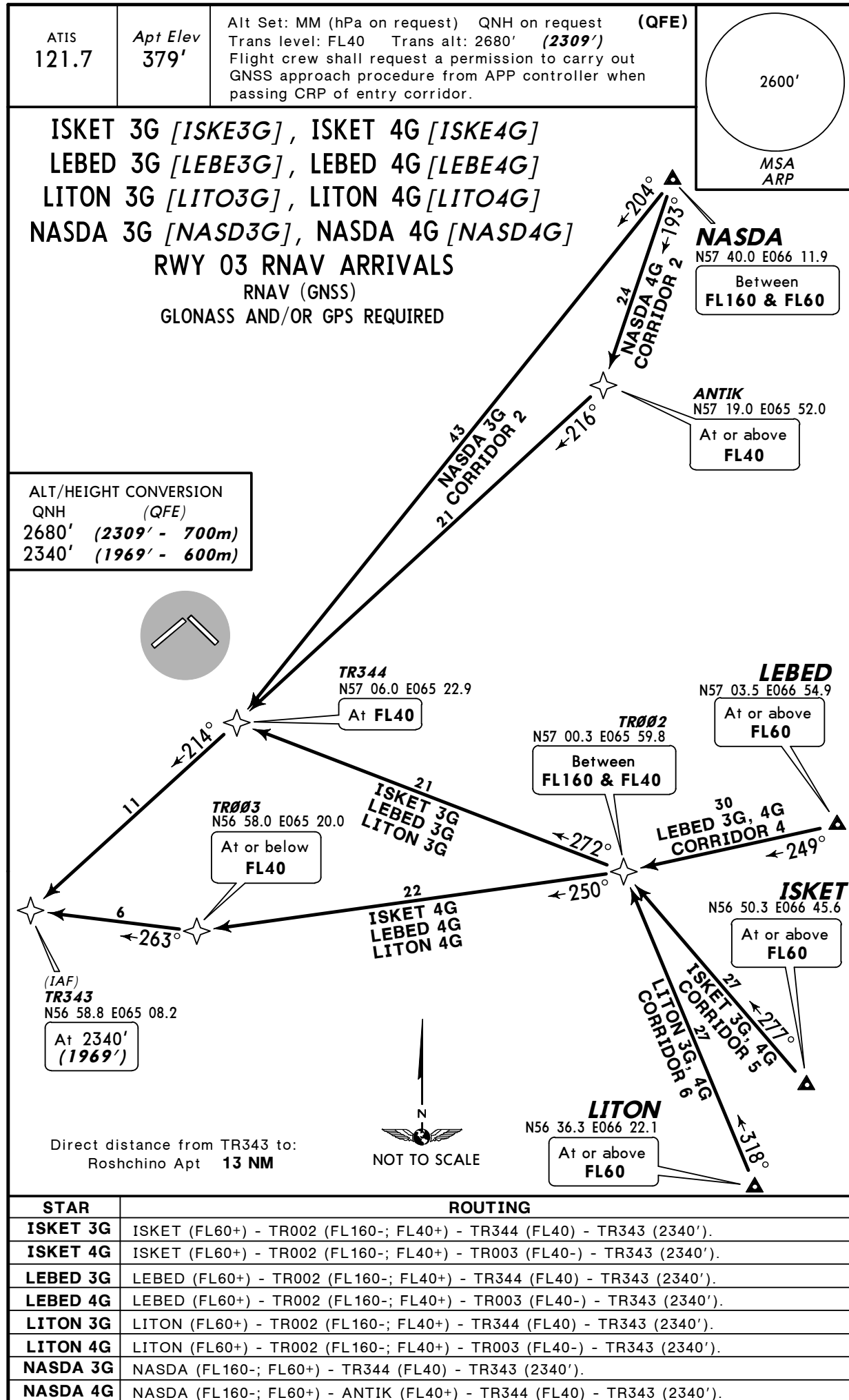
USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2 Eff 17 Nov

TYUMEN, RUSSIA
RNAV STAR



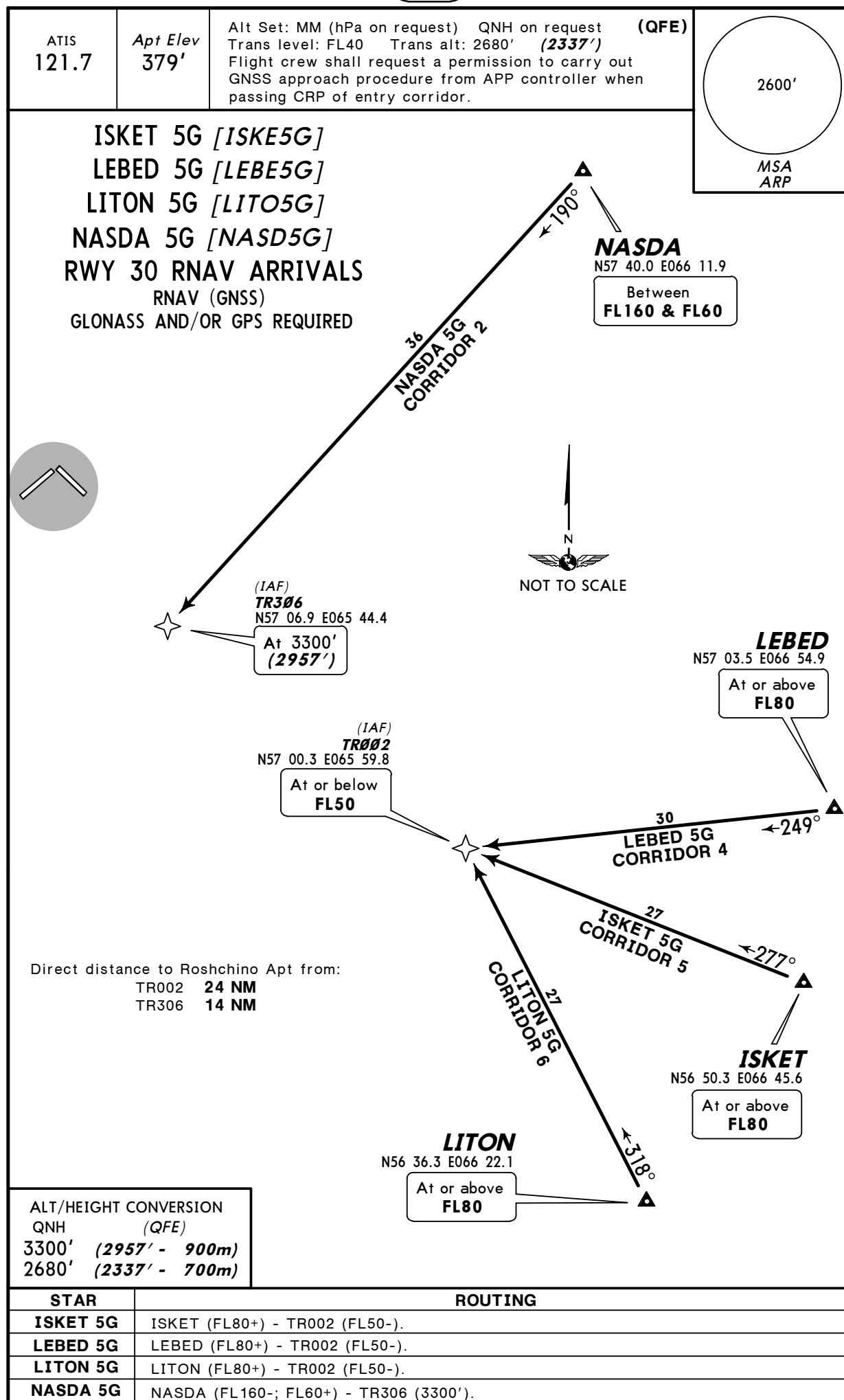
STAR	ROUTING
ISKET 1G	ISKET (FL80+) - TR216 - ANTIK (FL40) - TR215 (2310').
LEBED 1G	LEBED (FL60+) - ANTIK (FL40) - TR215 (2310').
LITON 1G	LITON (FL80+) - TR002 - ANTIK (FL40) - TR215 (2310').
NASDA 1G	NASDA (FL80+) - TR215 (2310').
NASDA 2G	NASDA (FL80+) - ANTIK (FL40) - TR215 (2310').

USTR/TJM
ROSHCHINOJEPPESEN
4 NOV 11 **10-2A** Eff 17 NovTYUMEN, RUSSIA
RNAV STAR

USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2B Eff 17 Nov

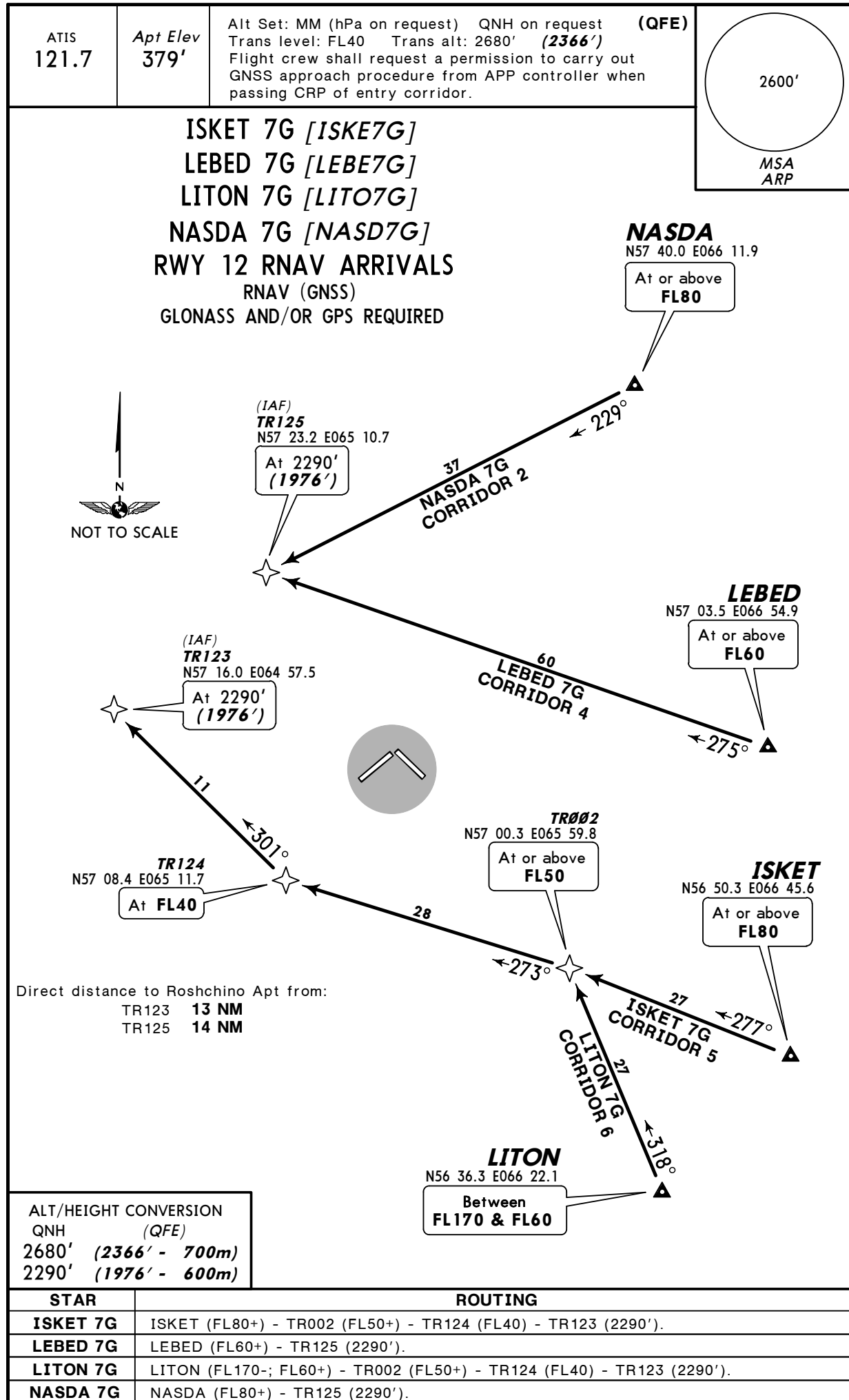
TYUMEN, RUSSIA
RNAV STAR



USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2C Eff 17 Nov

TYUMEN, RUSSIA
RNAV STAR



USTR/TJM
ROSHCHINO

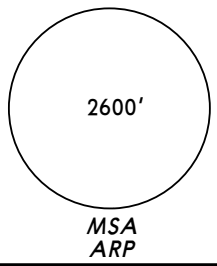
JEPPESEN
4 NOV 11 (10-2D) Eff 17 Nov

TYUMEN, RUSSIA
RNAV STAR

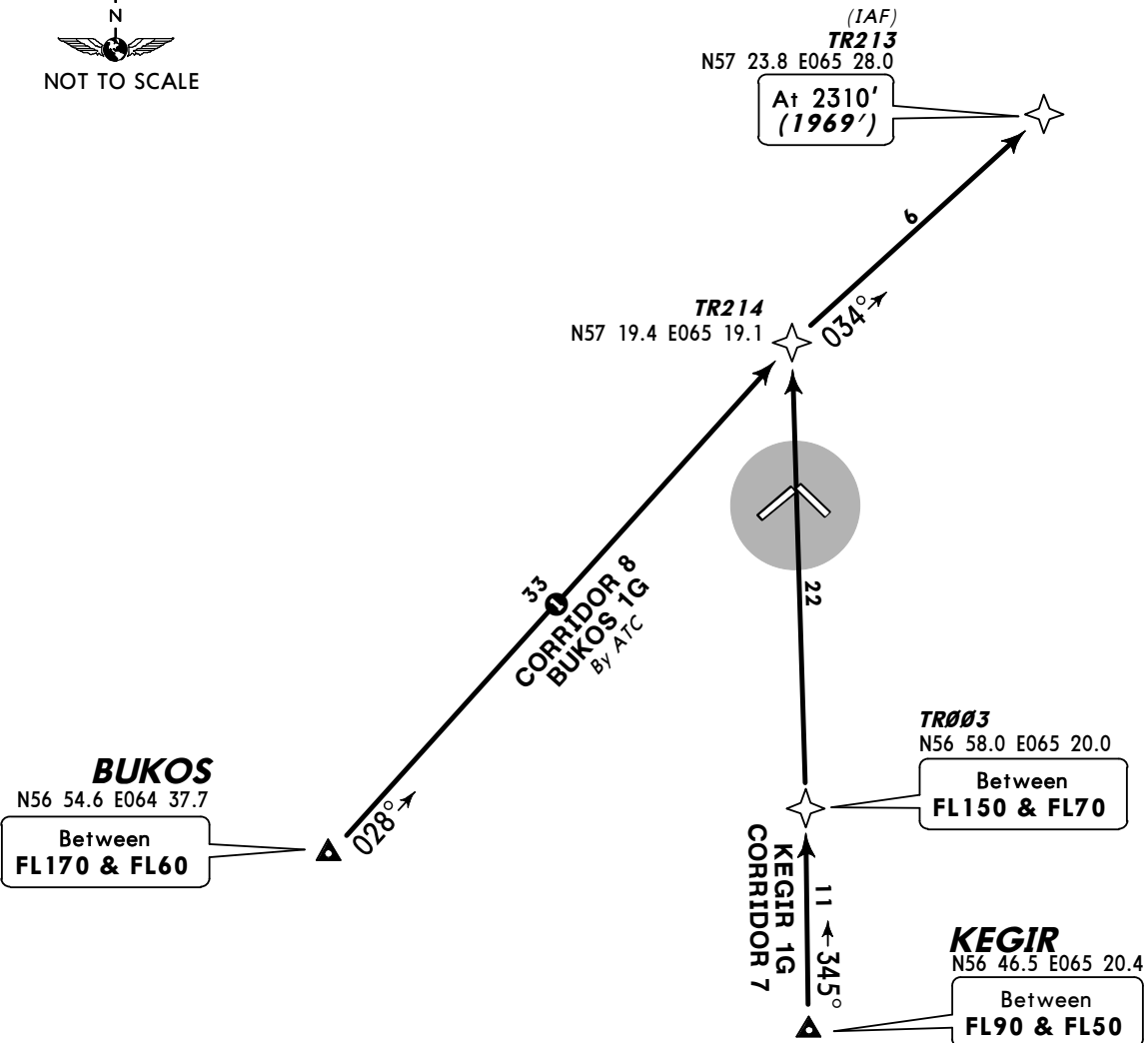
ATIS
121.7

Apt Elev
379'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2339')
Flight crew shall request a permission to carry out GNSS approach procedure from APP controller when passing CRP of entry corridor.



BUKOS 1G [BUKO1G]
KEGIR 1G [KEGI1G]
RWY 21 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED



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

① Only for Russian users of airspace.

Direct distance from TR213 to:
Roshchino Apt 15 NM

STAR	ROUTING
BUKOS 1G By ATC	BUKOS (FL170-; FL60+) - TR214 - TR213 (2310').
KEGIR 1G	KEGIR (FL90-; FL50+) - TR003 (FL150-; FL70+) - TR214 - TR213 (2310').

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ROSHCHINO

JEPPESEN
4 NOV 11 **10-2E** **Eff 17 Nov**

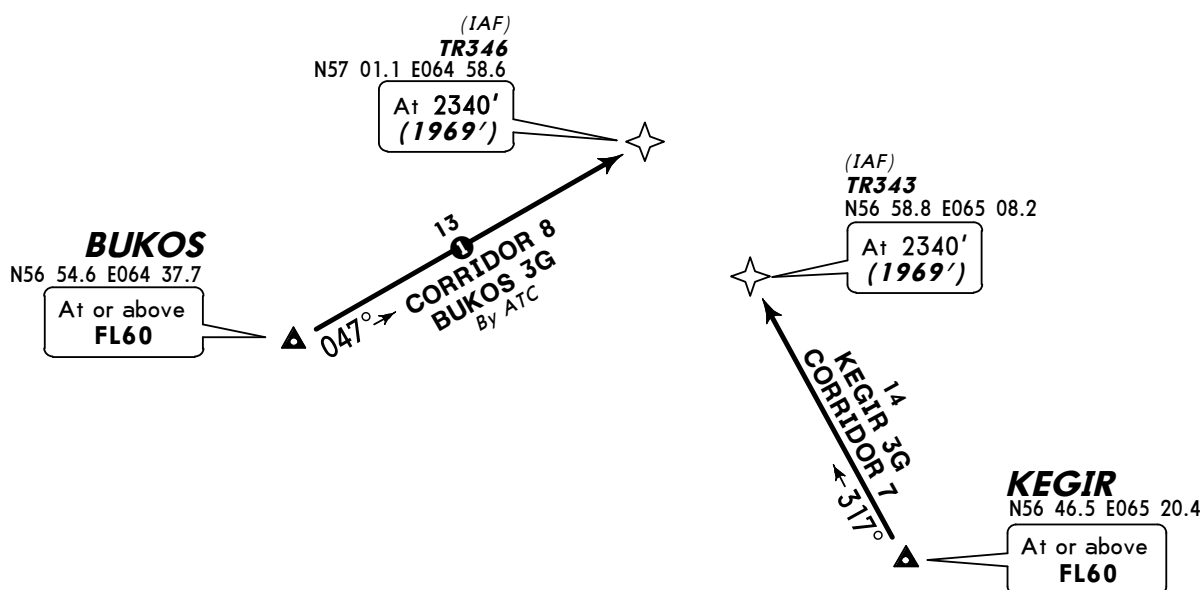
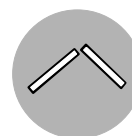
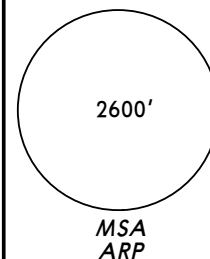
TYUMEN, RUSSIA
RNAV STAR

ATIS
121.7

Apt Elev
379'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL40 Trans alt: 2680' **(2309')**
Flight crew shall request a permission to carry out GNSS approach
procedure from APP controller when passing CRP of entry corridor.

BUKOS 3G [BUKO3G]
KEGIR 3G [KEGI3G]
RWY 03 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED



1 Only for Russian users of airspace.

ALT/HEIGHT CONVERSION
QNH **(QFE)**
2680' **(2309' - 700m)**
2340' **(1969' - 600m)**

Direct distance to Roshchino Apt from:
TR343 **13 NM**
TR346 **14 NM**

STAR	ROUTING
BUKOS 3G By ATC	BUKOS (FL60+) - TR346 (2340').
KEGIR 3G	KEGIR (FL60+) - TR343 (2340').

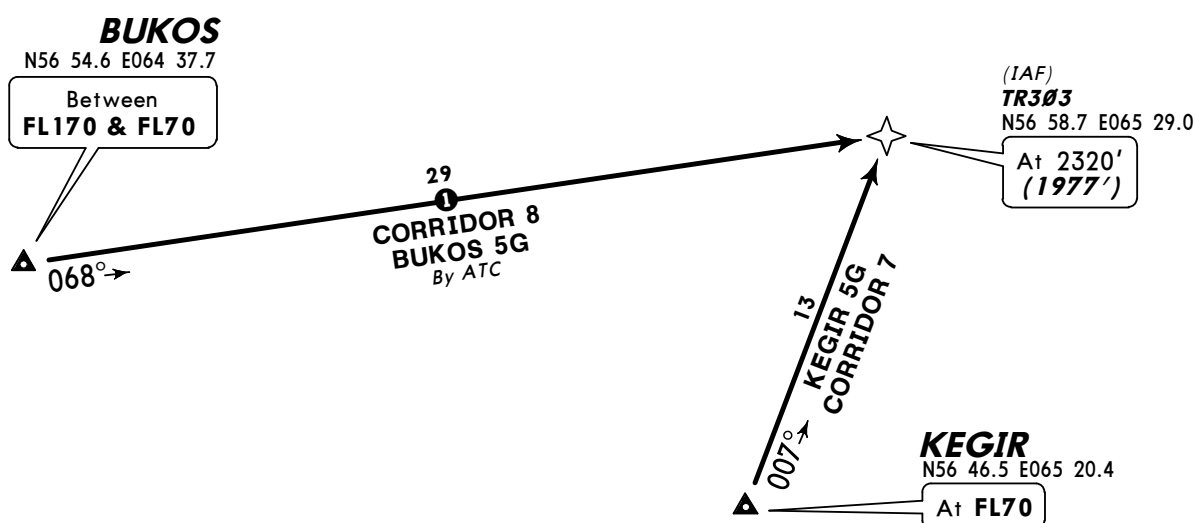
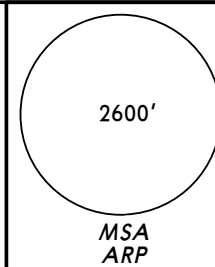
USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2F Eff 17 Nov

TYUMEN, RUSSIA
RNAV STAR

ATIS 121.7	<i>Apt Elev</i> 379'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL40 Trans alt: 2680' (2337') Flight crew shall request a permission to carry out GNSS approach procedure from APP controller when passing CRP of entry corridor.
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BUKOS 5G [BUKO5G]
KEGIR 5G [KEGI5G]
RWY 30 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED



① Only for Russian users of aispac.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2337' - 700m)
2320'	(1977' - 600m)

Direct distance from TR303 to:
Roshchino Apt **13 NM**

STAR	ROUTING
BUKOS 5G By ATC	BUKOS (FL170-; FL70+) - TR303 (2320').
KEGIR 5G	KEGIR (FL70) - TR303 (2320').

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 ROSHCHINO

JEPPESEN
 4 NOV 11 (10-2G) Eff 17 Nov

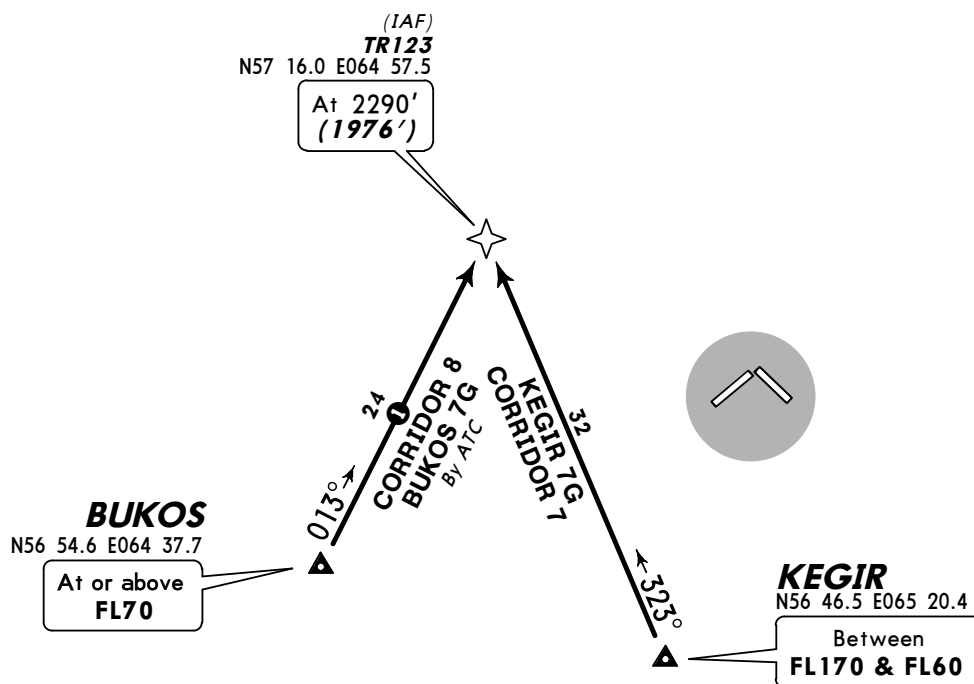
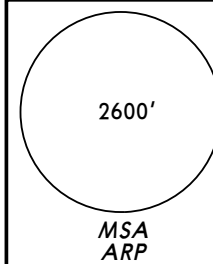
TYUMEN, RUSSIA
 RNAV STAR

ATIS
 121.7

Apt Elev
 379'

Alt Set: MM (hPa on request) QNH on request (QFE)
 Trans level: FL40 Trans alt: 2680' (2366')
 Flight crew shall request a permission to carry out GNSS approach
 procedure from APP controller when passing CRP of entry corridor.

BUKOS 7G [BUKO7G]
 KEGIR 7G [KEGI7G]
 RWY 12 RNAV ARRIVALS
 RNAV (GNSS)
 GLONASS AND/OR GPS REQUIRED



ALT/HEIGHT CONVERSION
 QNH (QFE)
 2680' (2366' - 700m)
 2290' (1976' - 600m)

① Only for Russian users of airspace.

Direct distance from TR123 to:
 Roshchino Apt 13 NM

STAR	ROUTING
BUKOS 7G By ATC	BUKOS (FL70+) - TR123 (2290').
KEGIR 7G	KEGIR (FL170-; FL60+) - TR123 (2290').

USTR/TJM
ROSHCHINO

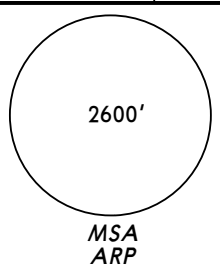
JEPPESEN
4 NOV 11 10-2H Eff 17 Nov

TYUMEN, RUSSIA
RNAV STAR

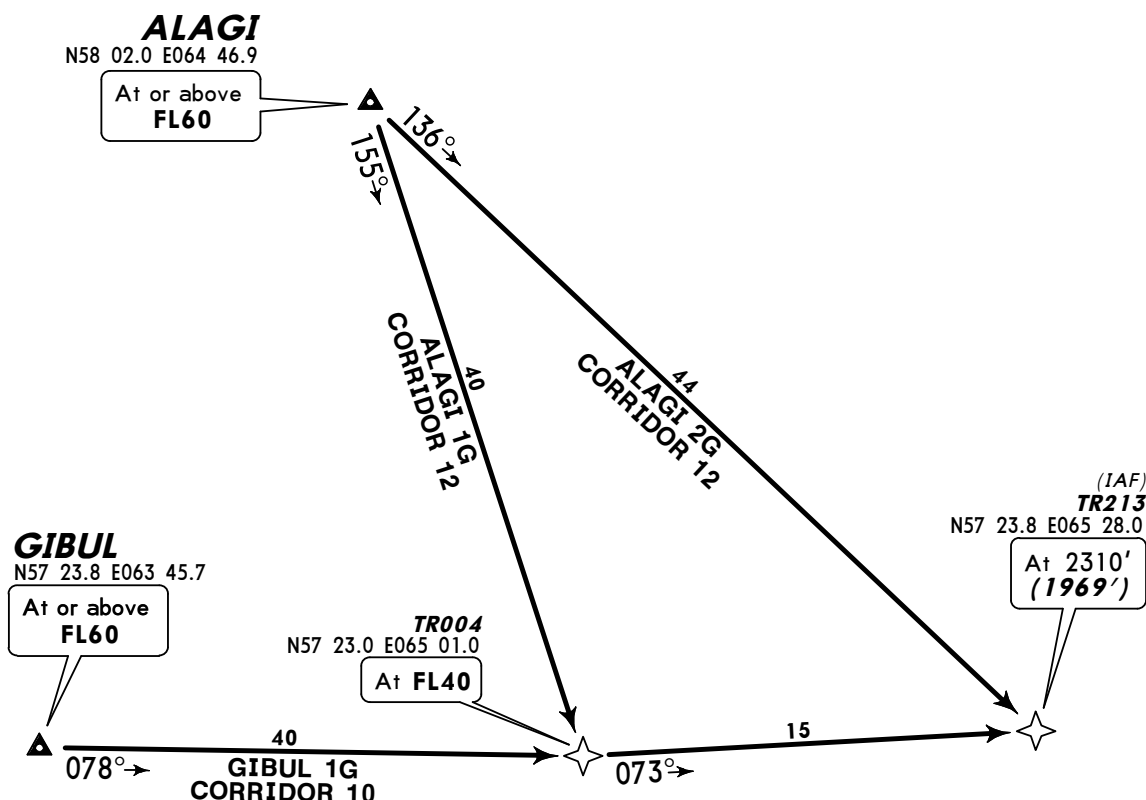
ATIS
121.7

Apt Elev
379'

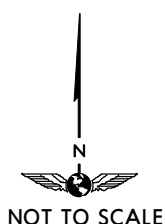
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2339')
Flight crew shall request a permission to carry out GNSS approach
procedure from APP controller when passing CRP of entry corridor.



ALAGI 1G [ALAG1G]
ALAGI 2G [ALAG2G]
GIBUL 1G [GIBU1G]
RWY 21 RNAV ARRIVALS
RNAV (GNSS)
GLONASS AND/OR GPS REQUIRED



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



NOT TO SCALE

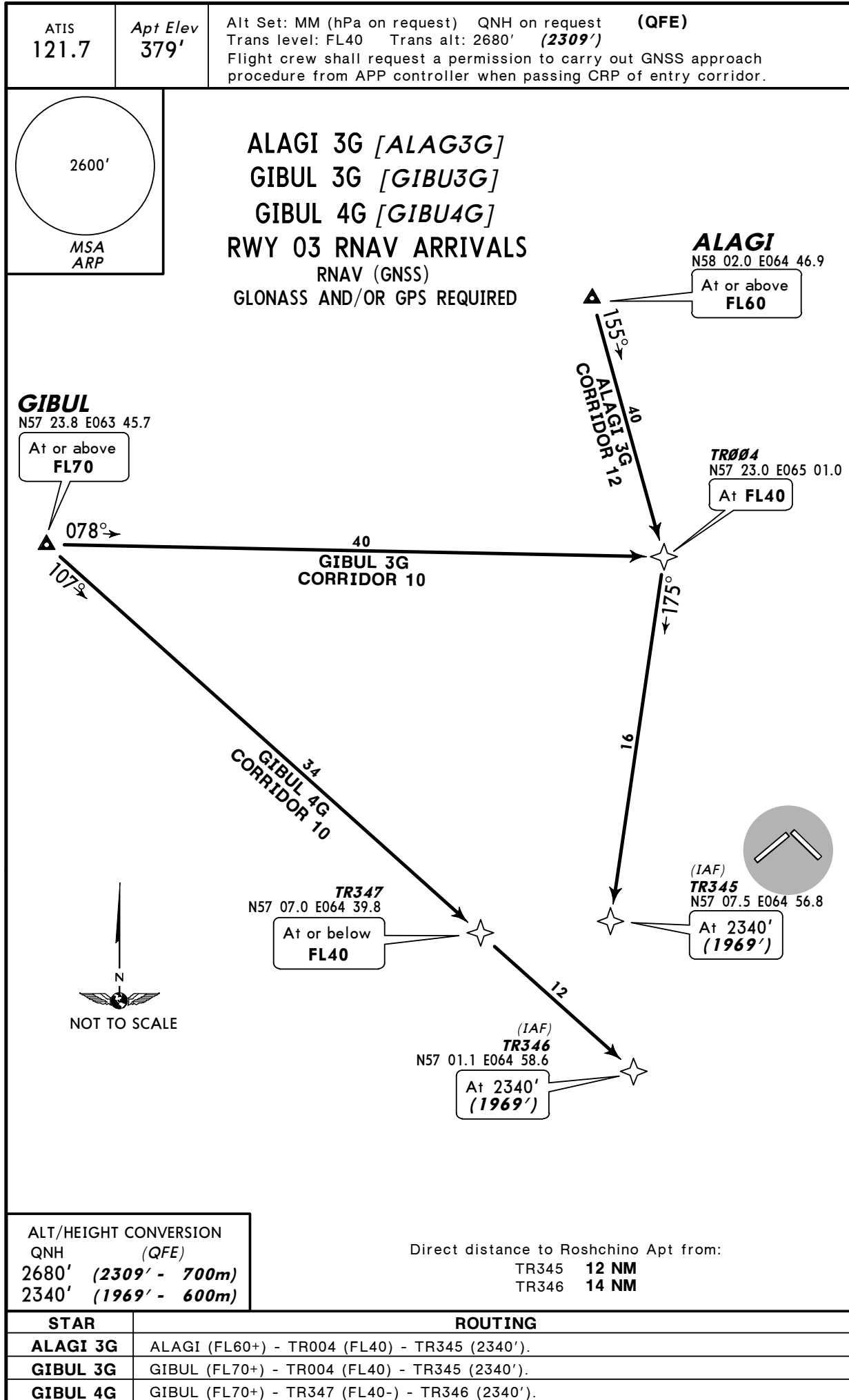
Direct distance from TR213 to:
Roshchino Apt 15 NM

STAR	ROUTING
ALAGI 1G	ALAGI (FL60+) - TR004 (FL40) - TR213 (2310').
ALAGI 2G	ALAGI (FL60+) - TR213 (2310').
GIBUL 1G	GIBUL (FL60+) - TR004 (FL40) - TR213 (2310').

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JEPPESSEN
4 NOV 11 10-2J Eff 17 Nov

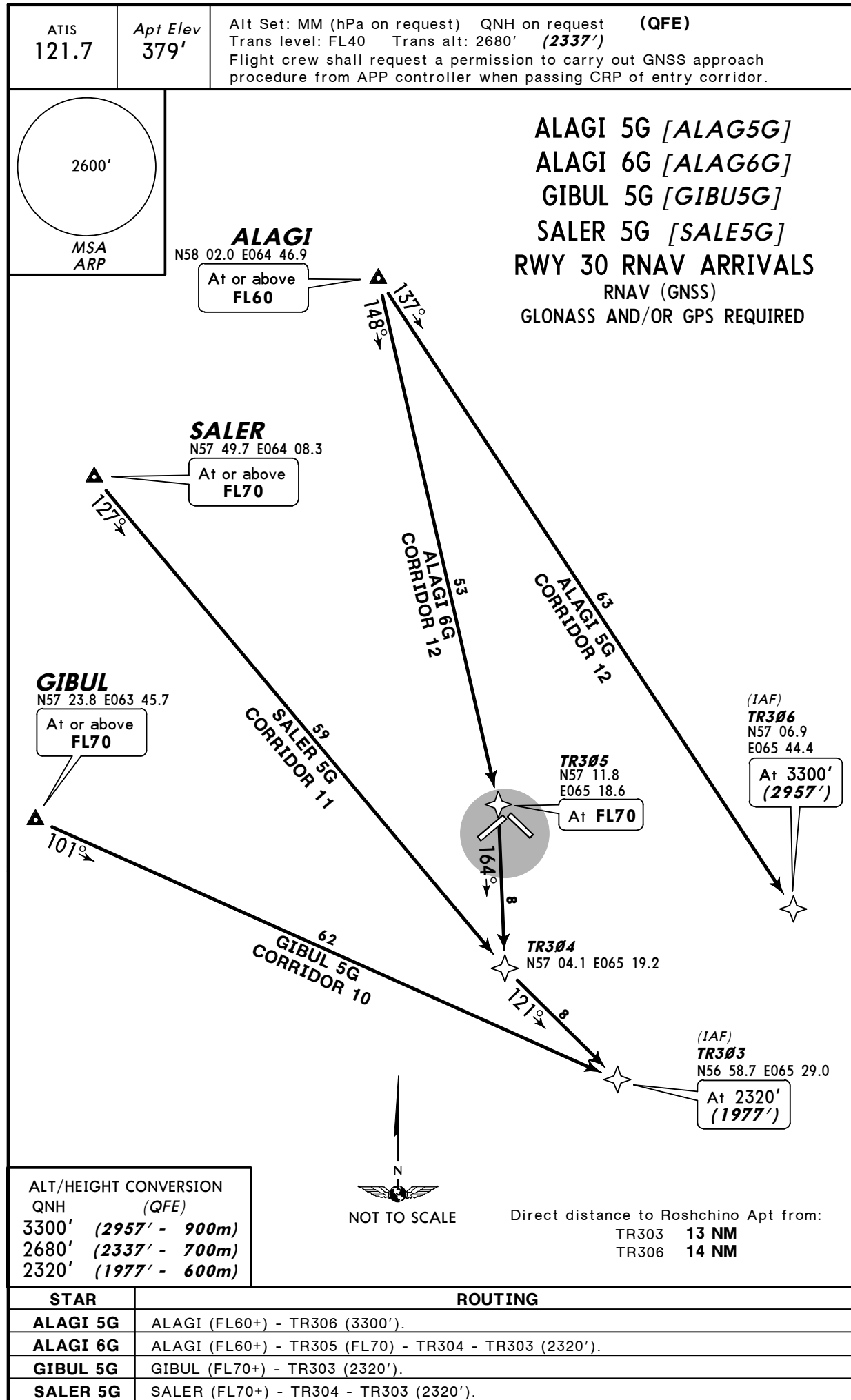
TYUMEN, RUSSIA
RNAV STAR



USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2K Eff 17 Nov

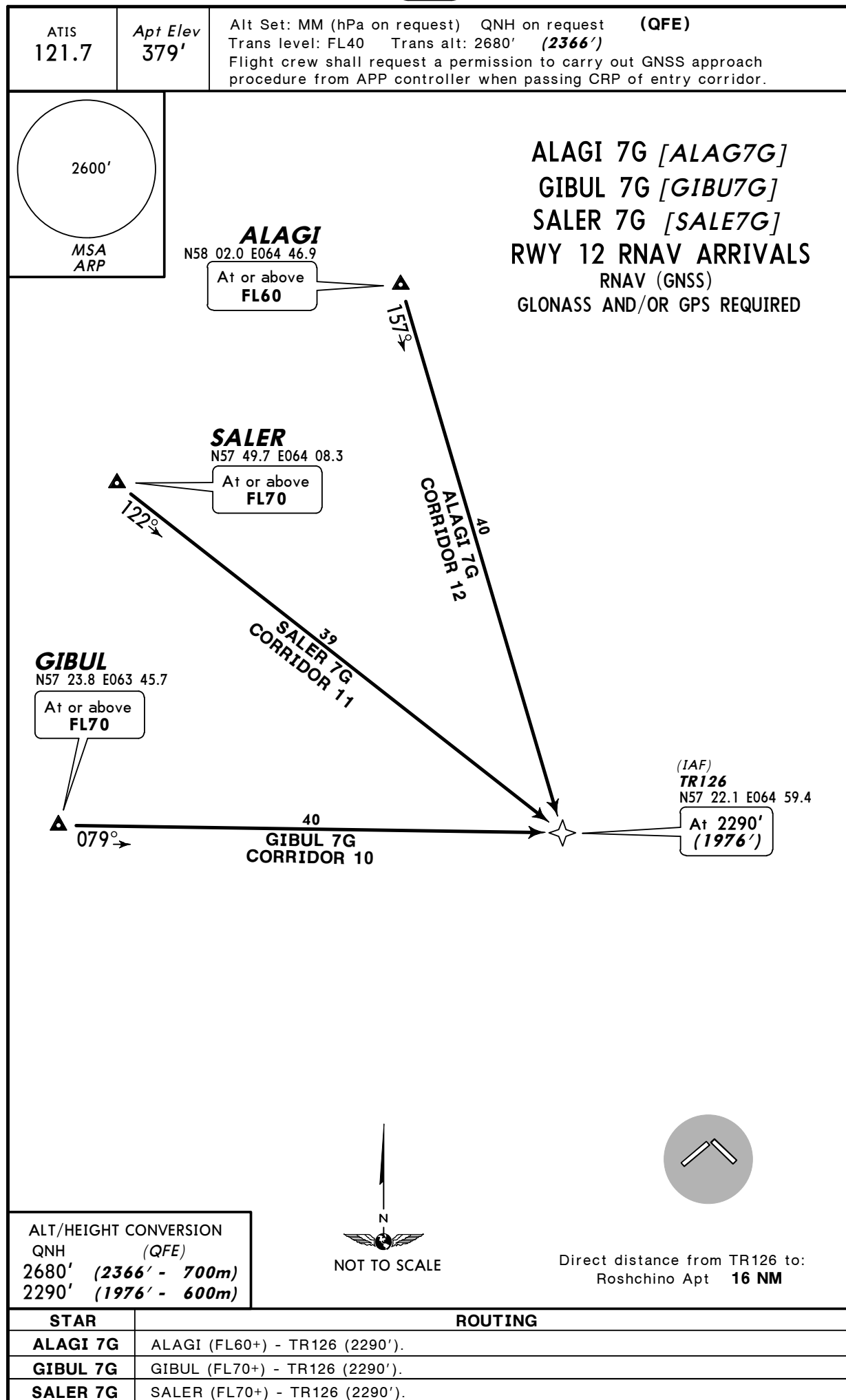
TYUMEN, RUSSIA
RNAV STAR



USTR/TJM
 ROSHCHINO

JEPPESEN
 4 NOV 11 10-2L Eff 17 Nov

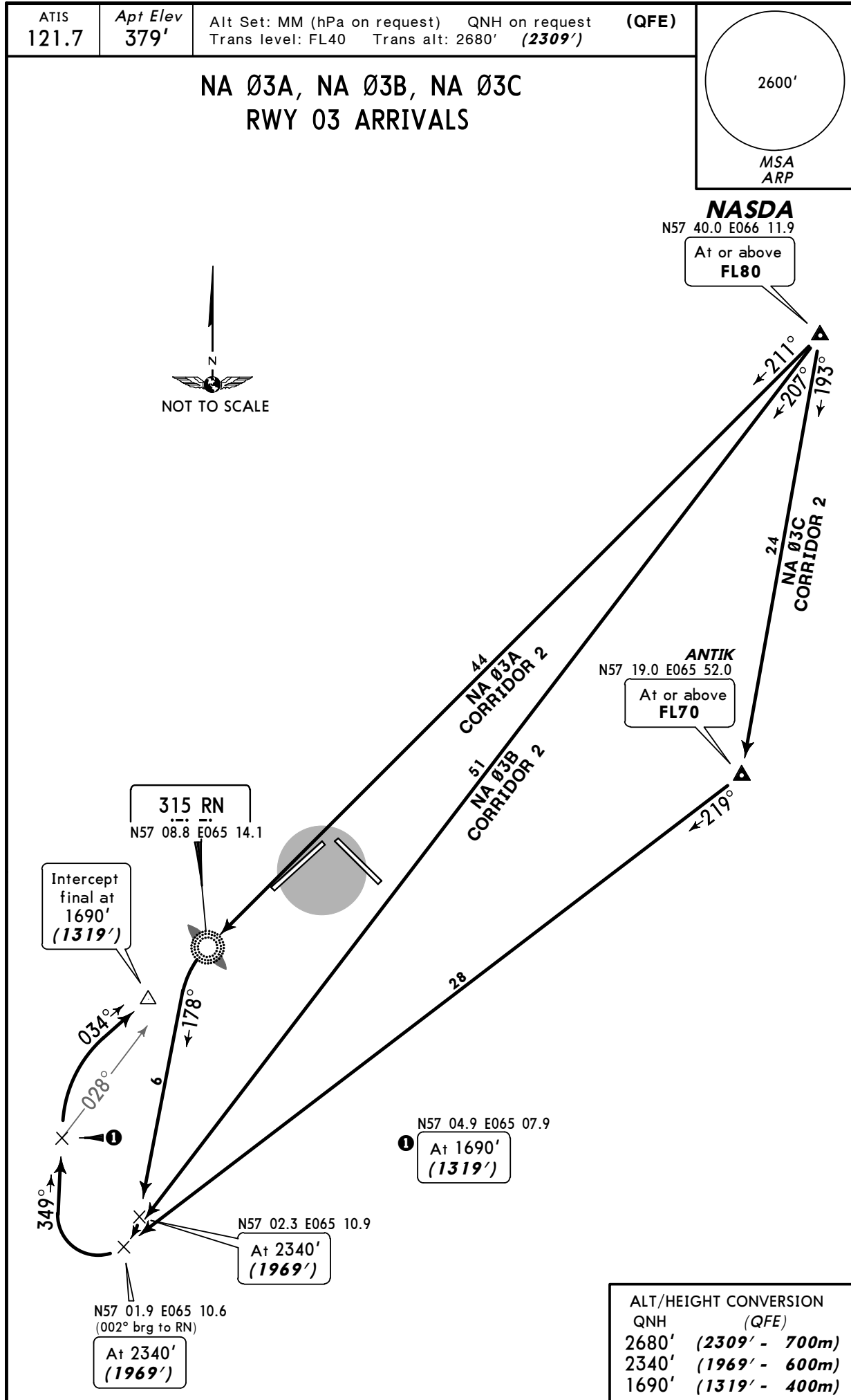
TYUMEN, RUSSIA
 RNAV STAR



USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (10-2M) Eff 17 Nov

TYUMEN, RUSSIA
STAR

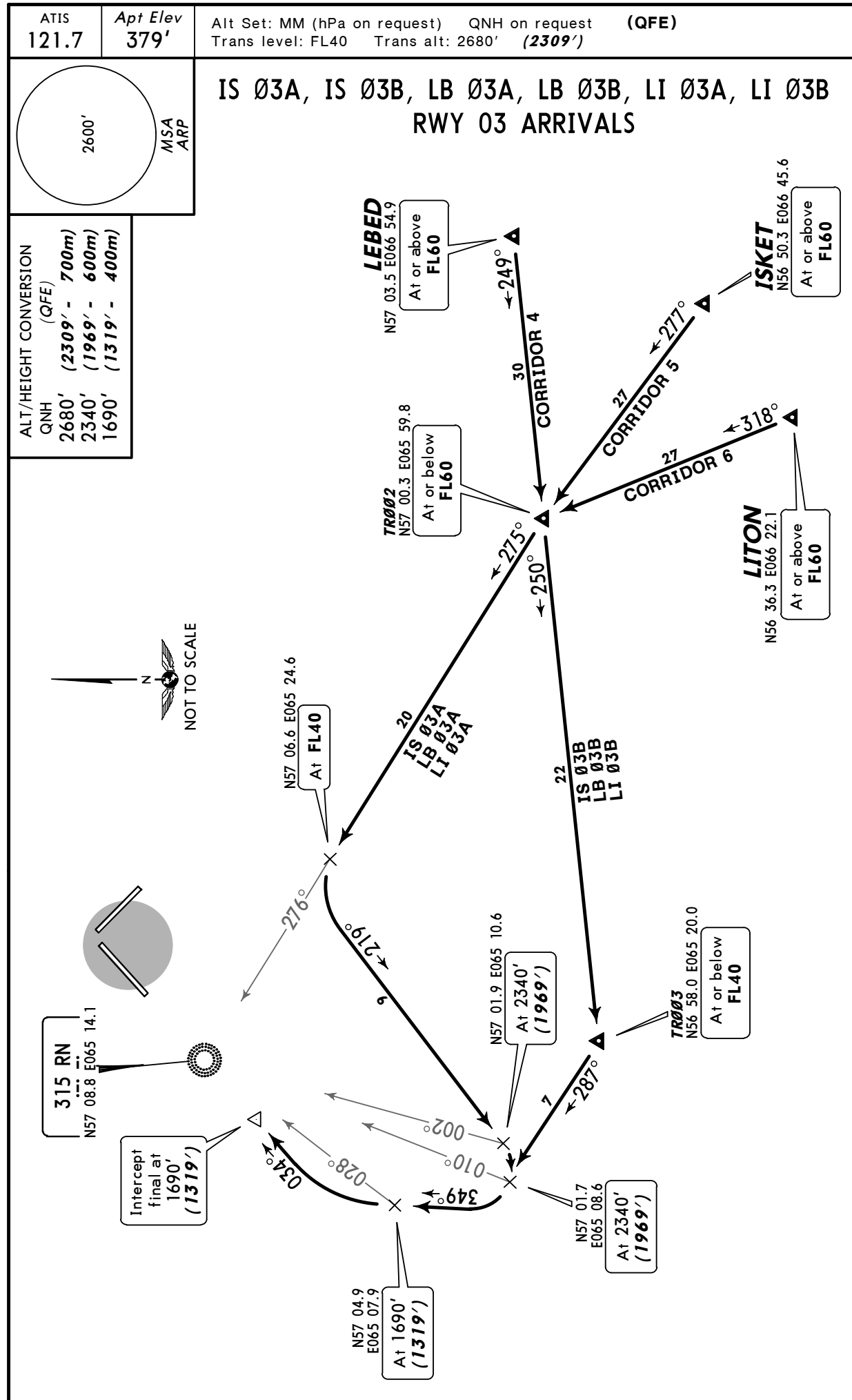


USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2N Eff 17 Nov

TYUMEN, RUSSIA

STAR



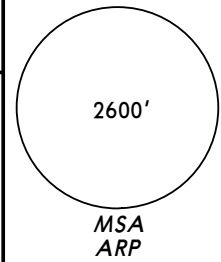
USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 **10-2P** Eff 17 Nov

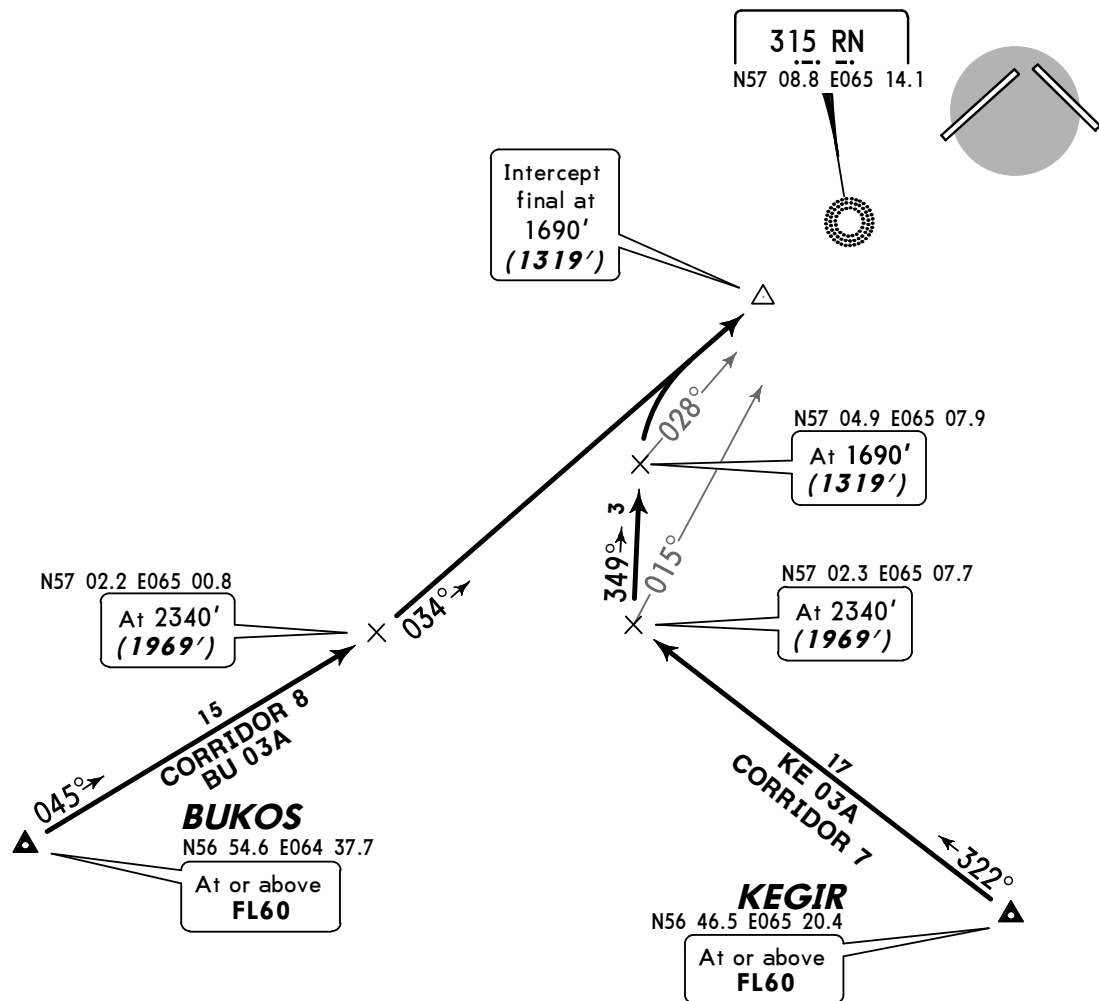
TYUMEN, RUSSIA

STAR

ATIS 121.7	Apt Elev 379'	Alt Set: MM (hPa on request) QNH on request Trans level: FL40 Trans alt: 2680' (2309')	(QFE)
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BU 03A
ONLY FOR RUSSIAN USERS OF AIRSPACE
KE 03A
RWY 03 ARRIVALS
BY ATC



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2309' - 700m)
2340'	(1969' - 600m)
1690'	(1319' - 400m)

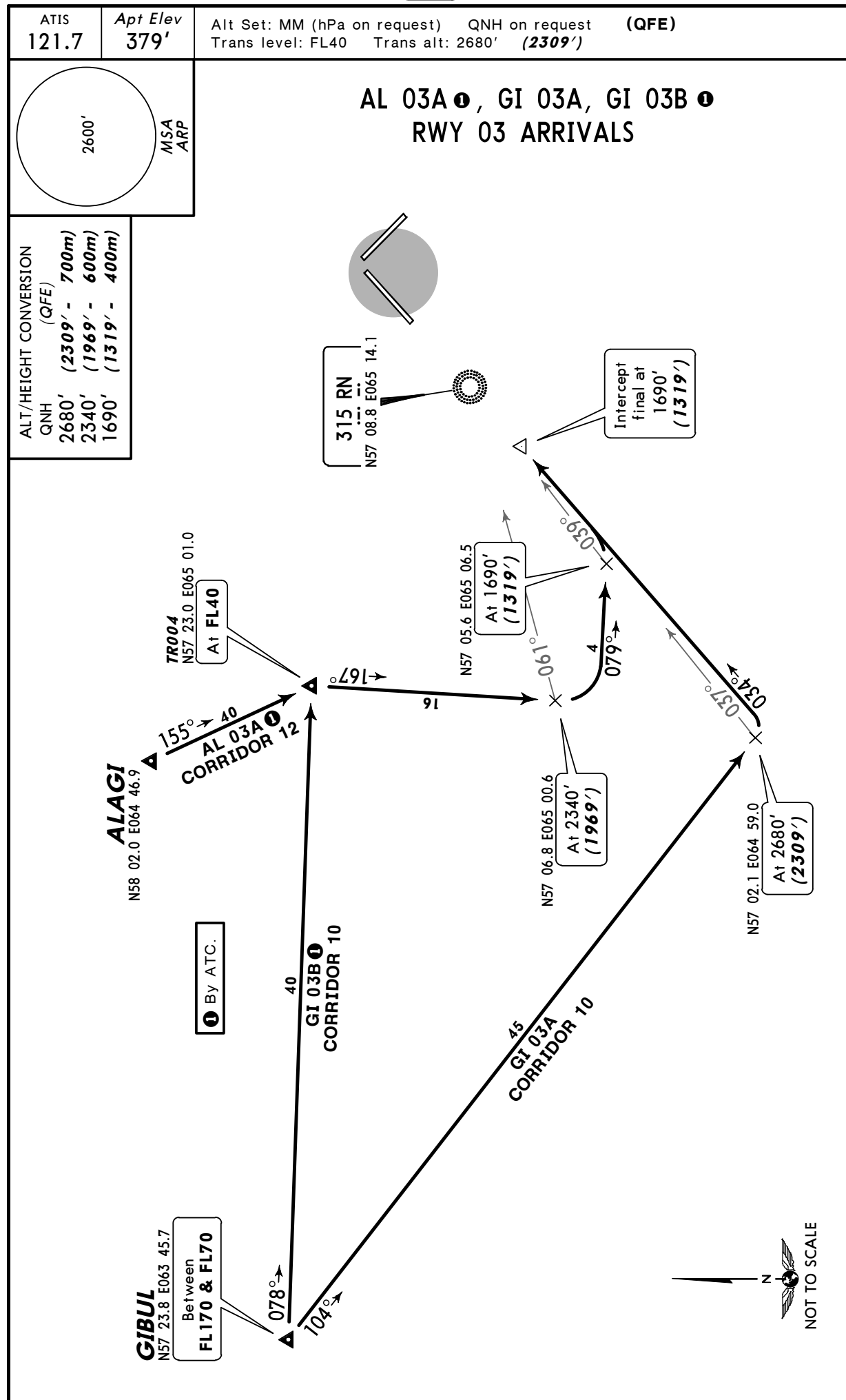


USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 **10-2Q** Eff 17 Nov

TYUMEN, RUSSIA

STAR



CHANGES: FL conversion; crossing at GIBUL revised.

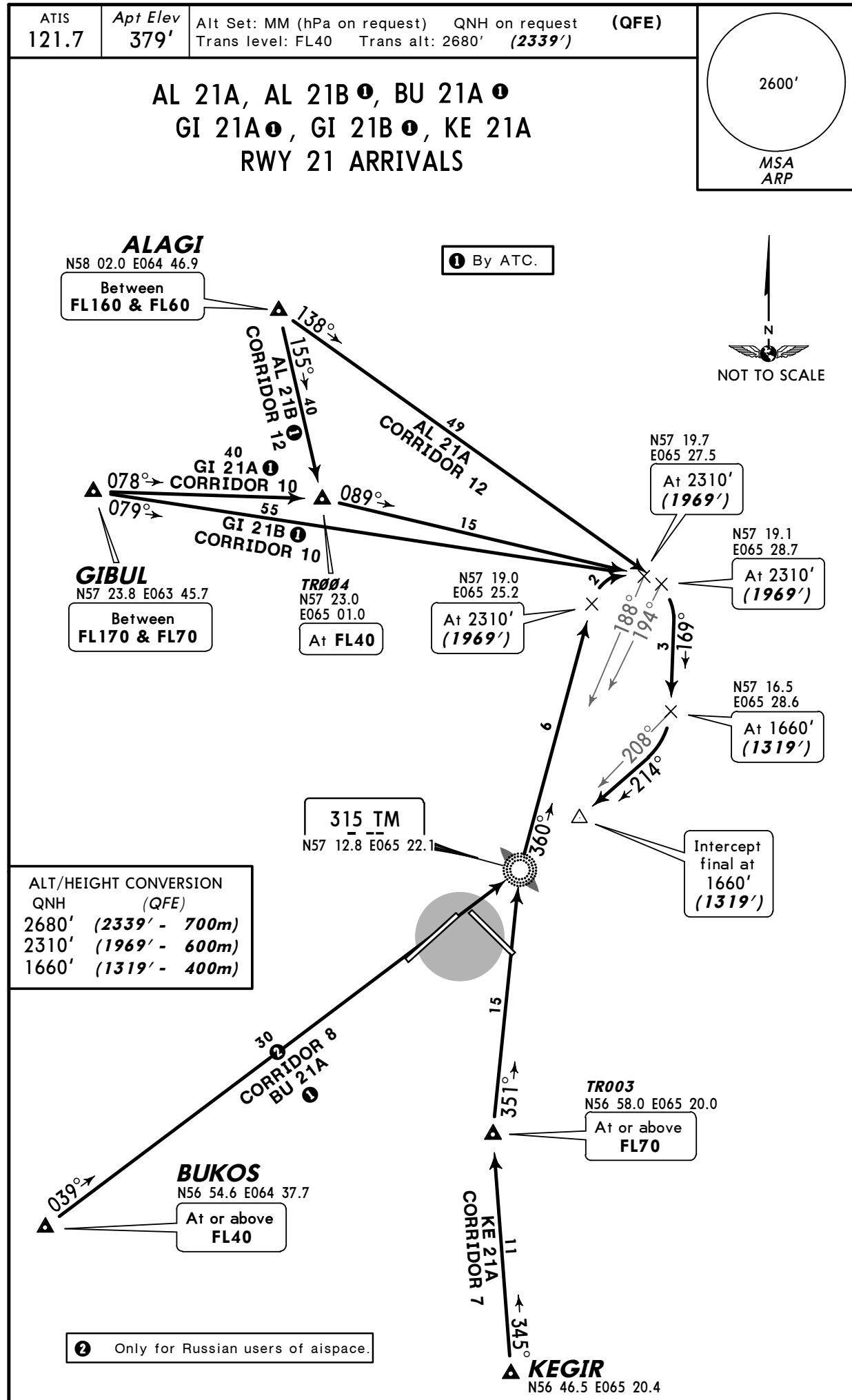
FL conversion; crossing at GIBUL revised.

USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2T Eff 17 Nov

TYUMEN, RUSSIA

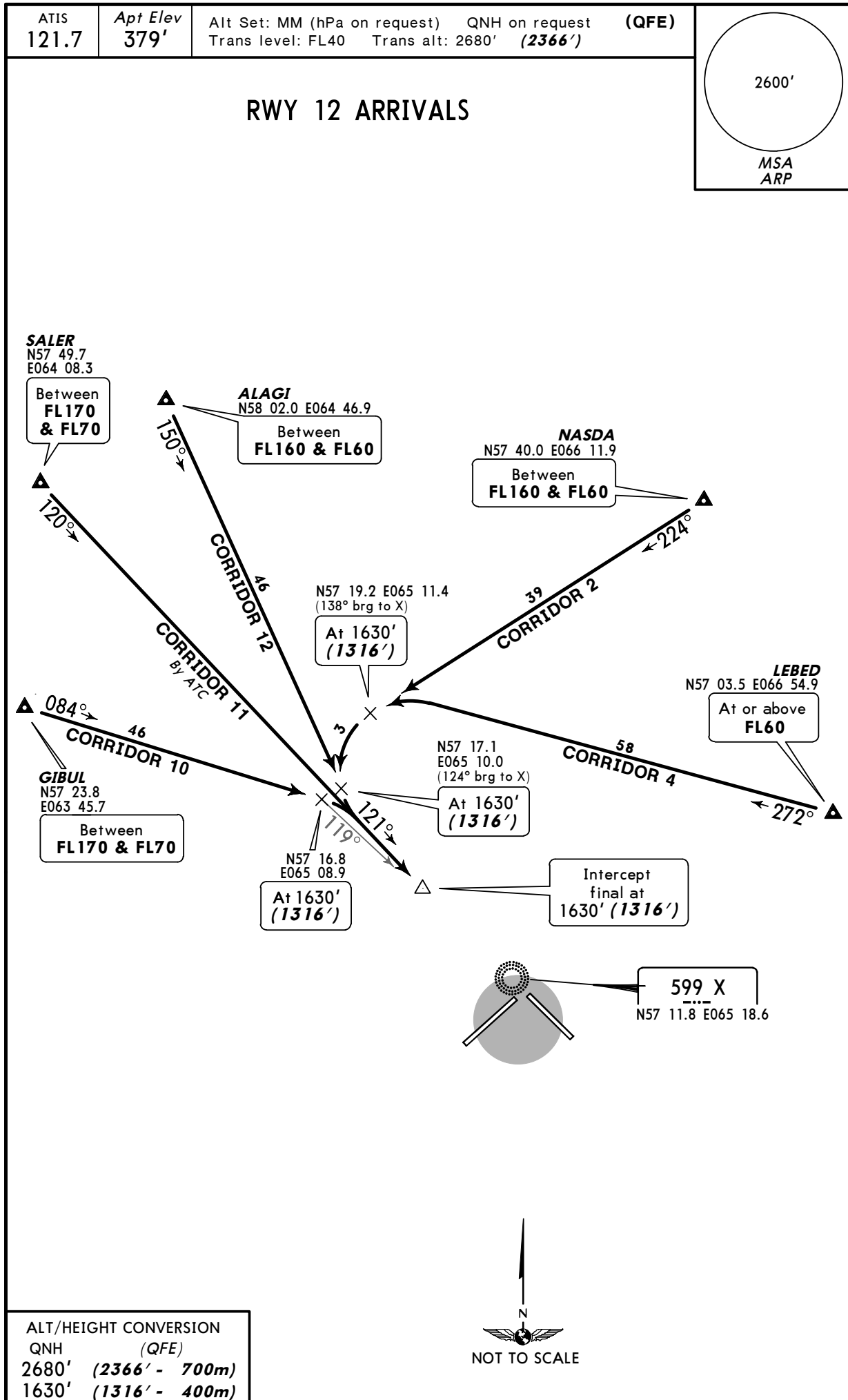
STAR



USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (10-2U) Eff 17 Nov

TYUMEN, RUSSIA
STAR

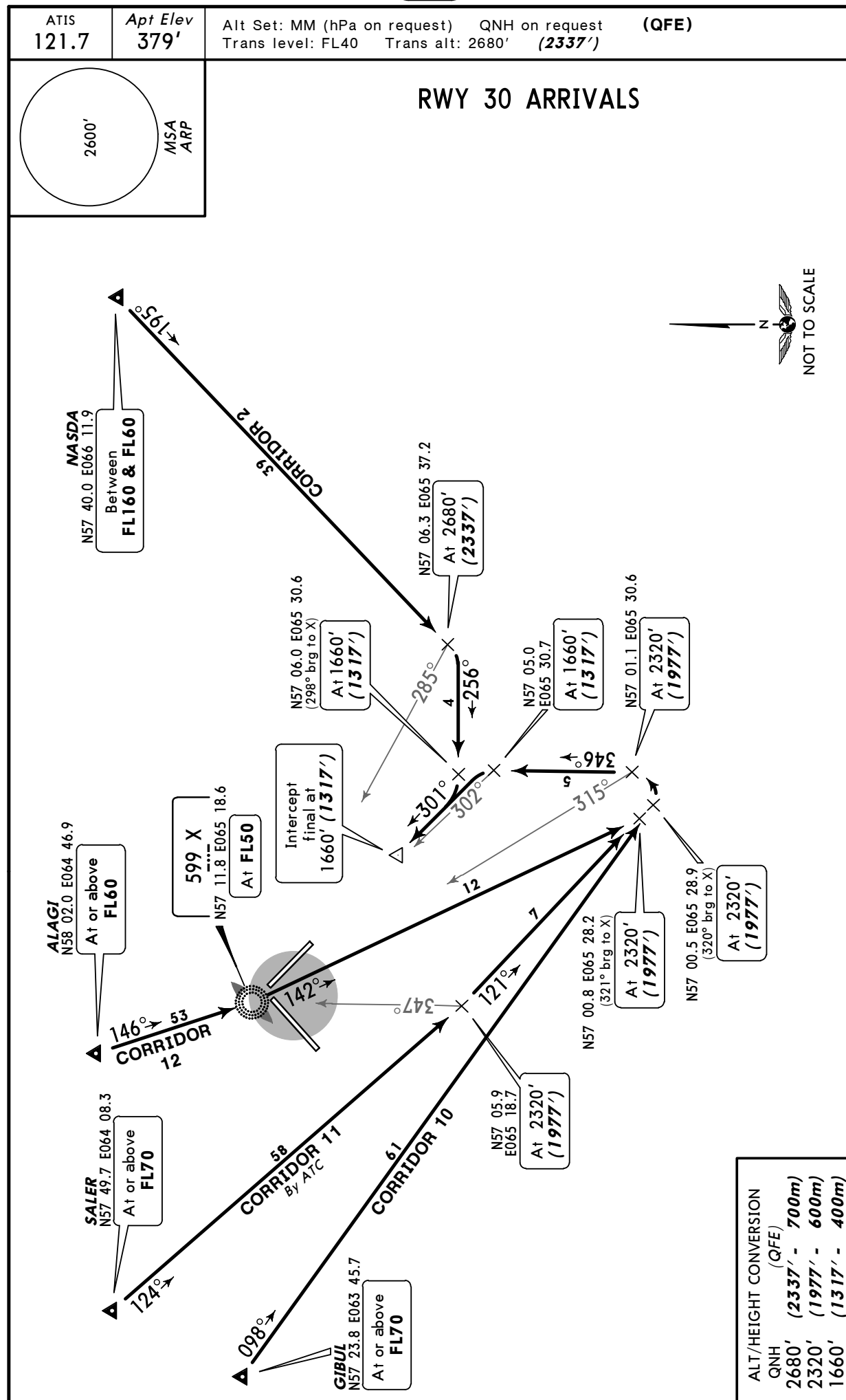


USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-2V Eff 17 Nov

TYUMEN, RUSSIA

STAR

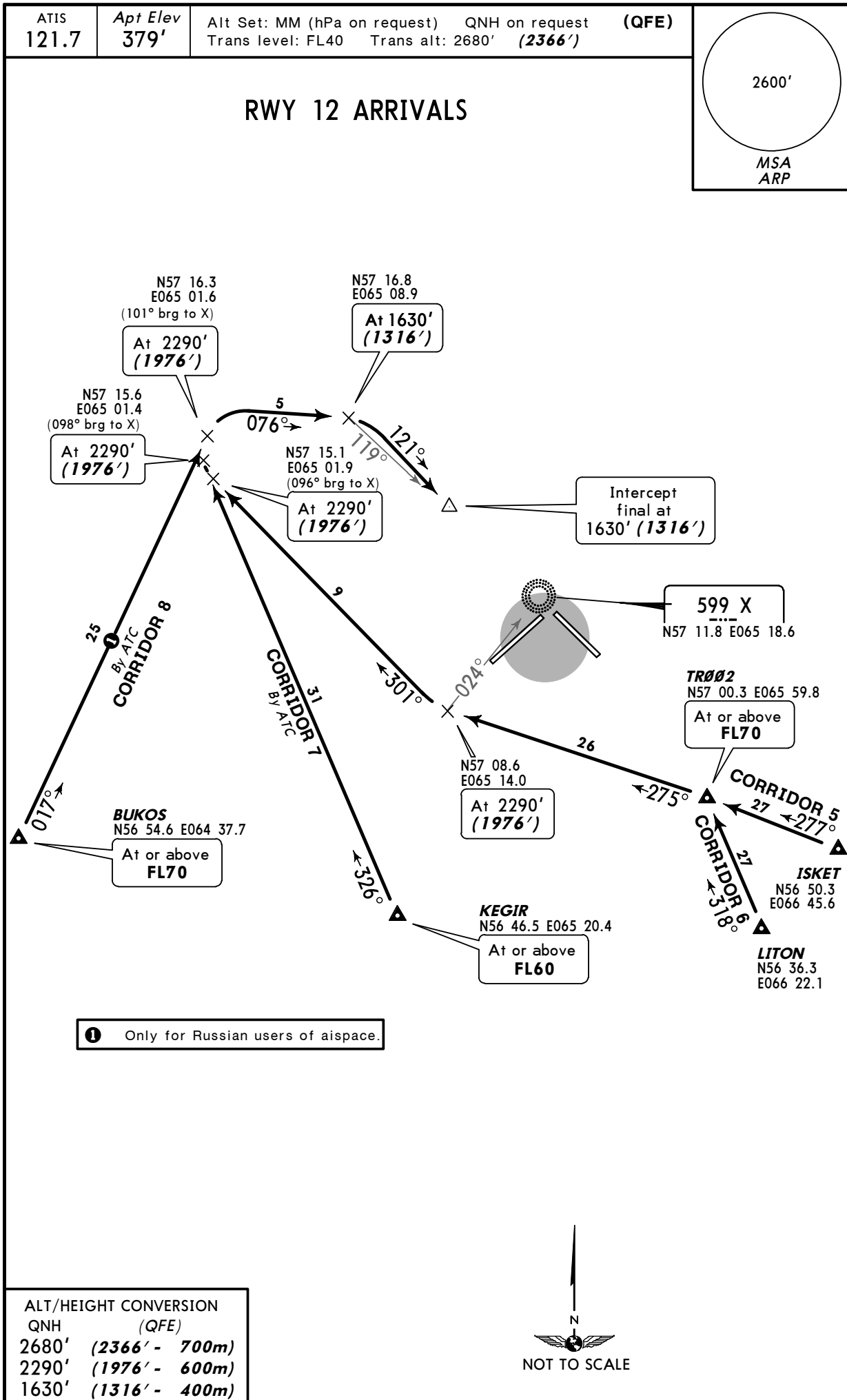


USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (10-2W) Eff 17 Nov

TYUMEN, RUSSIA

STAR

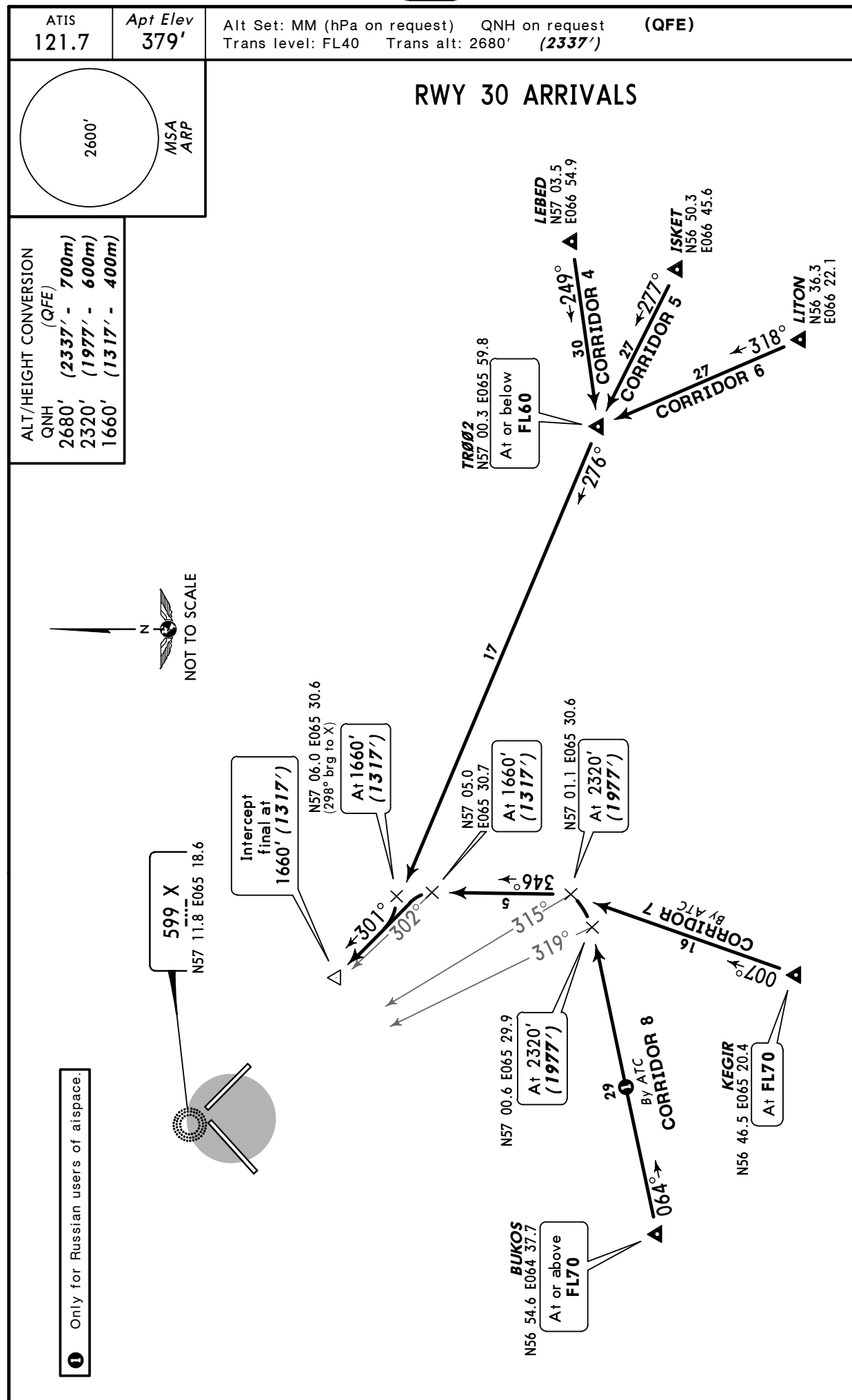


USTR/TJM
ROSHCHINO

JEPPESSEN
4 NOV 11 10-2X Eff 17 Nov

TYUMEN, RUSSIA

STAR



USTR/TJM
ROSHCHINO

4 NOV 11

JEPPESEN

10-3

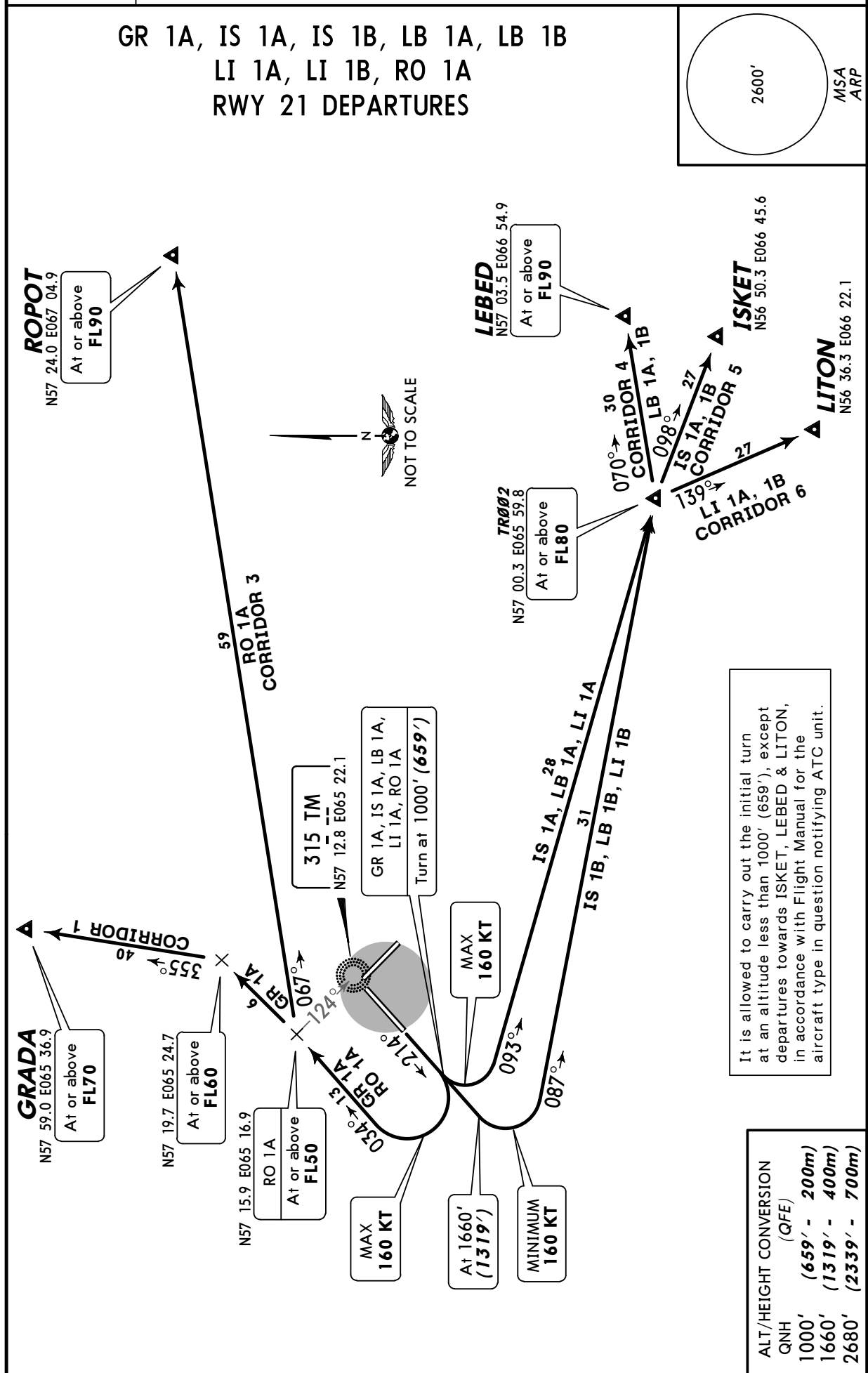
Eff 17 Nov

TYUMEN, RUSSIA

SID

Apt Elev
379'

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



USTR/TJM
ROSHCHINO

4 NOV 11

JEPPESEN

Eff 17 Nov

TYUMEN, RUSSIA

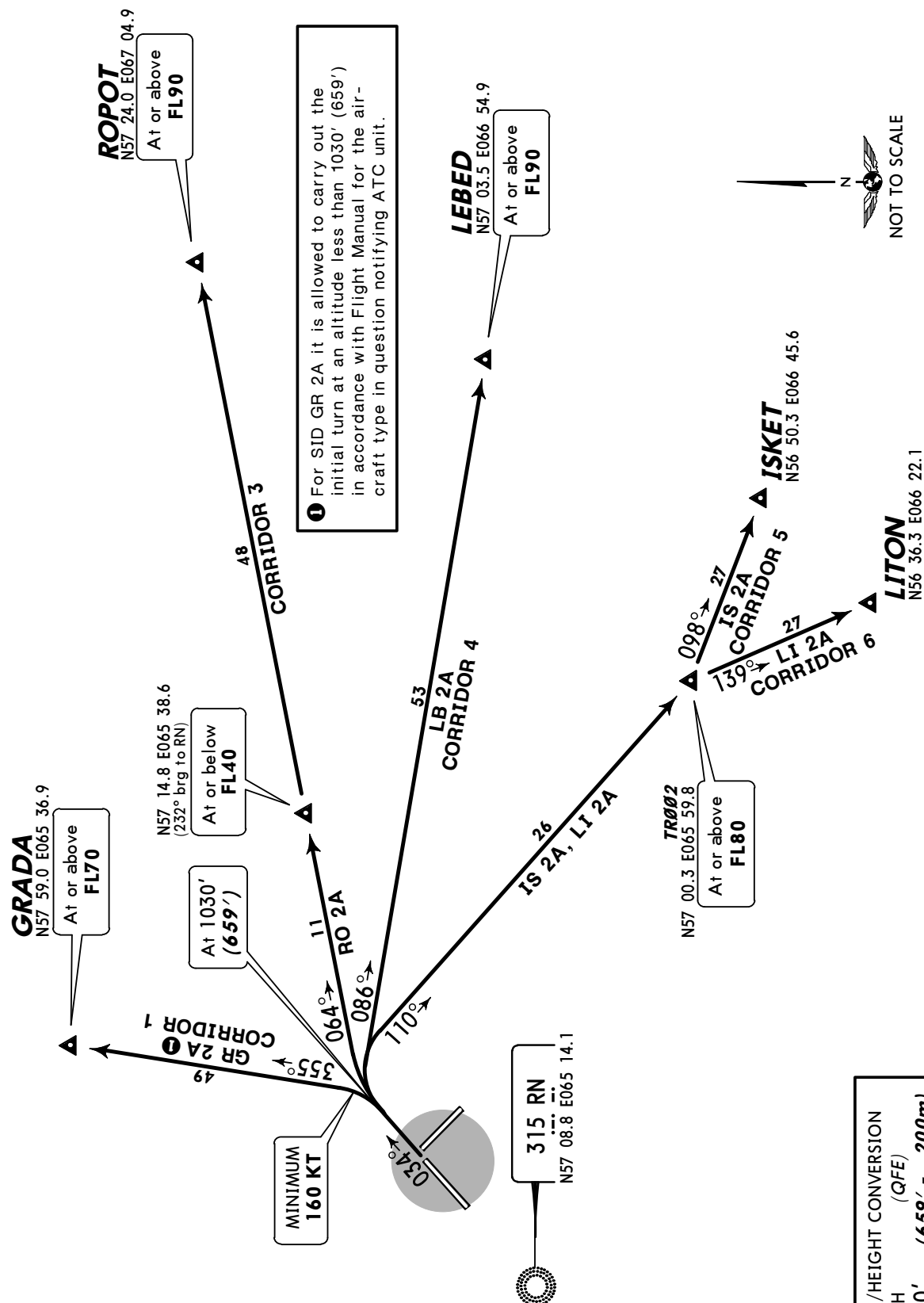
SID

Apt Elev
379'

QNH on request **(QFE)**
Trans level: FL40 Trans alt: 2680' **(2309')**

GR 2A ●, IS 2A, LB 2A, LI 2A, RO 2A
RWY 03 DEPARTURES

2600'

MSA
ARP

ALT/HEIGHT CONVERSION	QNH	(QFE)
	1030'	(659' - 200m)
	2680'	(2309' - 700m)

USTR/TJM
ROSHCHINO

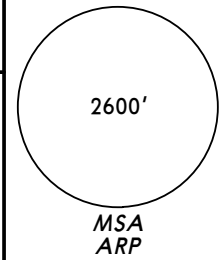
JEPPESEN
4 NOV 11 (10-3B) Eff 17 Nov

TYUMEN, RUSSIA

SID

Apt Elev
379'

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



BN 1A, BN 1B, KE 1A ①, SA 1A ①, SA 1B ①
RWY 21 DEPARTURES

① By ATC.

SALER
N57 49.7 E064 08.3

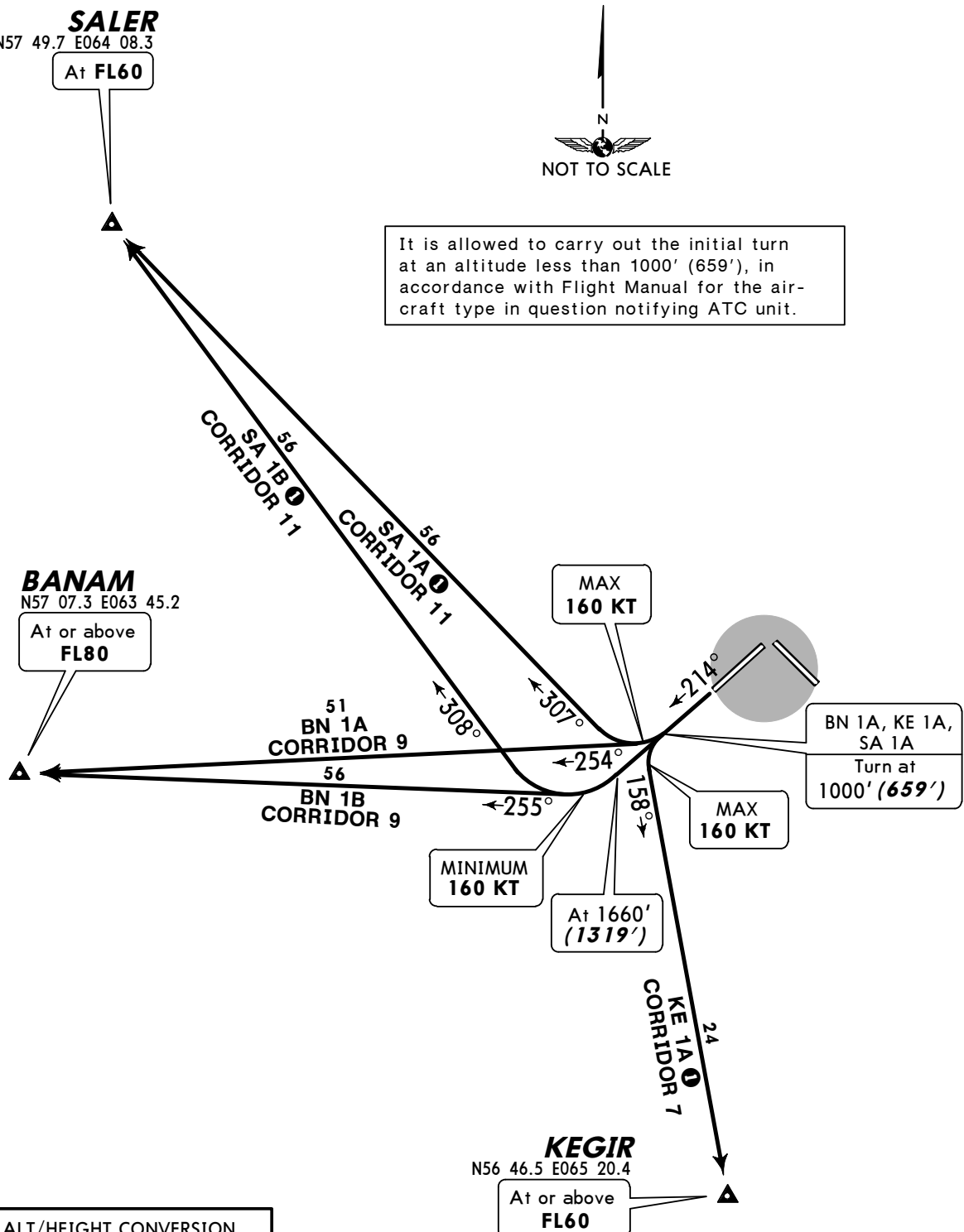
At FL60



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

BANAM
N57 07.3 E063 45.2

At or above
FL80



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1000'	(659' - 200m)
1660'	(1319' - 400m)
2680'	(2339' - 700m)

USTR/TJM
ROSHCHINO

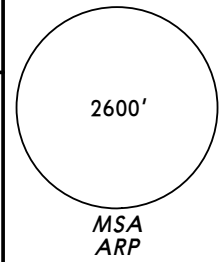
JEPPESEN
4 NOV 11 10-3C Eff 17 Nov

TYUMEN, RUSSIA

SID

Apt Elev
379'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2309')

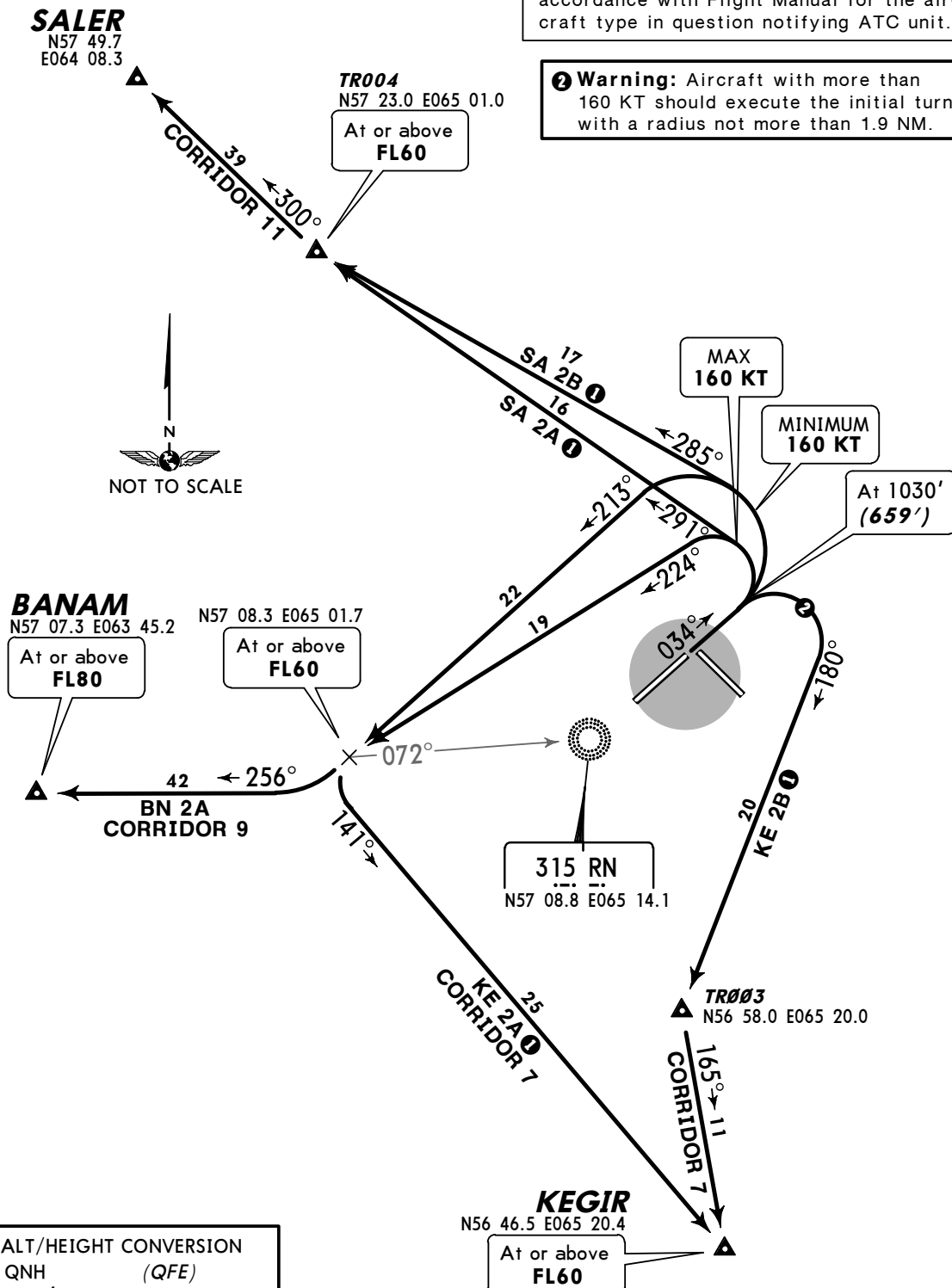


BN 2A, KE 2A ①, KE 2B ①, SA 2A ①, SA 2B ①
RWY 03 DEPARTURES

① By ATC.

It is allowed to carry out the initial turn at an altitude less than 1030' (659'), in accordance with Flight Manual for the aircraft type in question notifying ATC unit.

② Warning: Aircraft with more than 160 KT should execute the initial turn with a radius not more than 1.9 NM.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1030'	(659' - 200m)
2680'	(2309' - 700m)

USTR/TJM
ROSHCHINO

JEPPESSEN
4 NOV 11 **(10-3D)** **Eff 17 Nov**

TYUMEN, RUSSIA

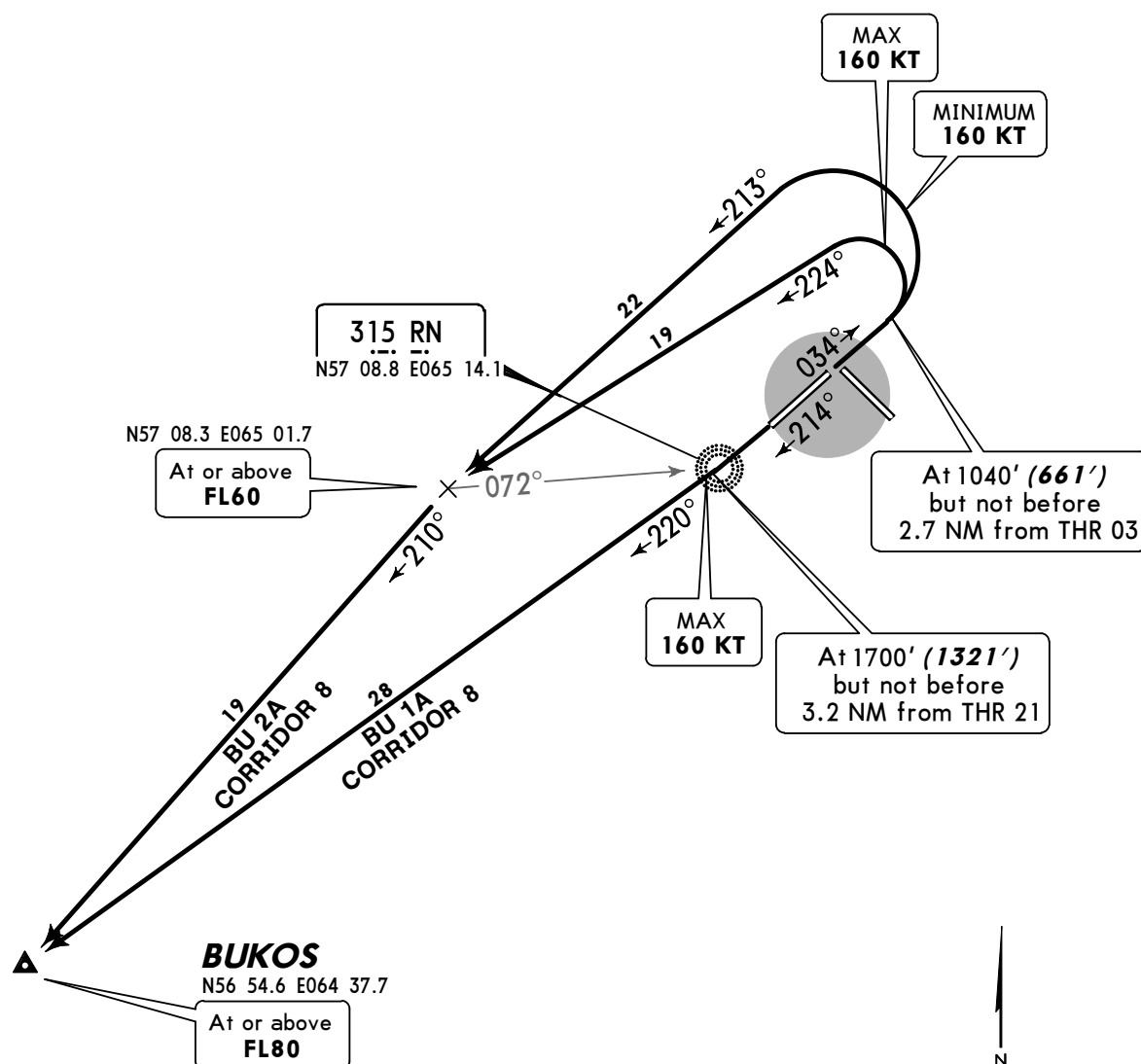
SID

Apt Elev
379'

QNH on request **(QFE)**
Trans level: FL40 Trans alt: 2680' **(2301')**

BU 1A, BU 2A
RWYS 21, 03 DEPARTURES
ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC

2600'

MSA
ARP

It is allowed to carry out the initial turn at an altitude less than 1040' (661'), in accordance with Flight Manual for the aircraft type in question notifying ATC unit.

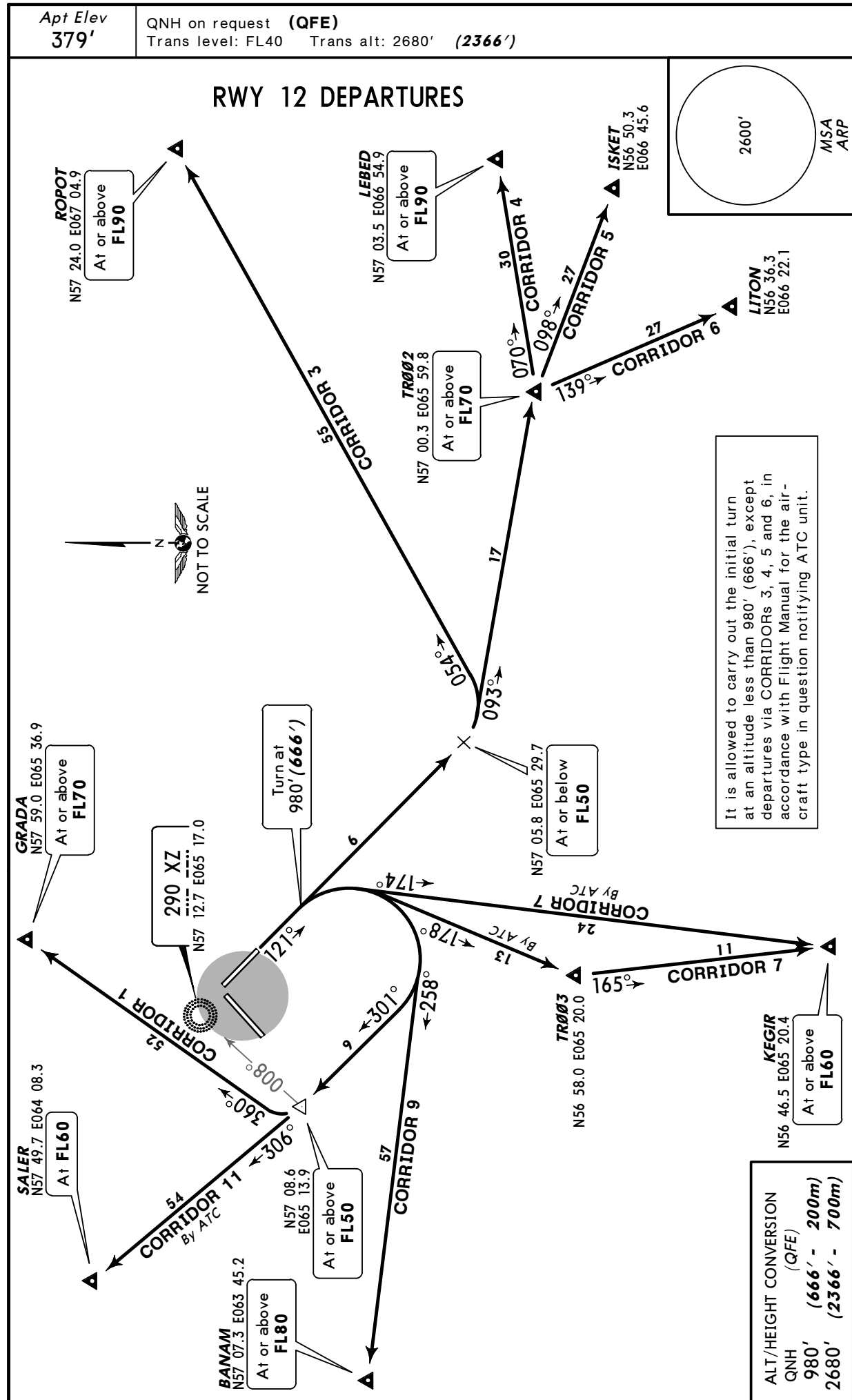
ALT/HEIGHT CONVERSION	
QNH	(QFE)
1040'	(661' - 200m)
1700'	(1321' - 400m)
2680'	(2301' - 700m)

USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 10-3E Eff 17 Nov

TYUMEN, RUSSIA

SID



USTR/TJM
ROSHCHINO

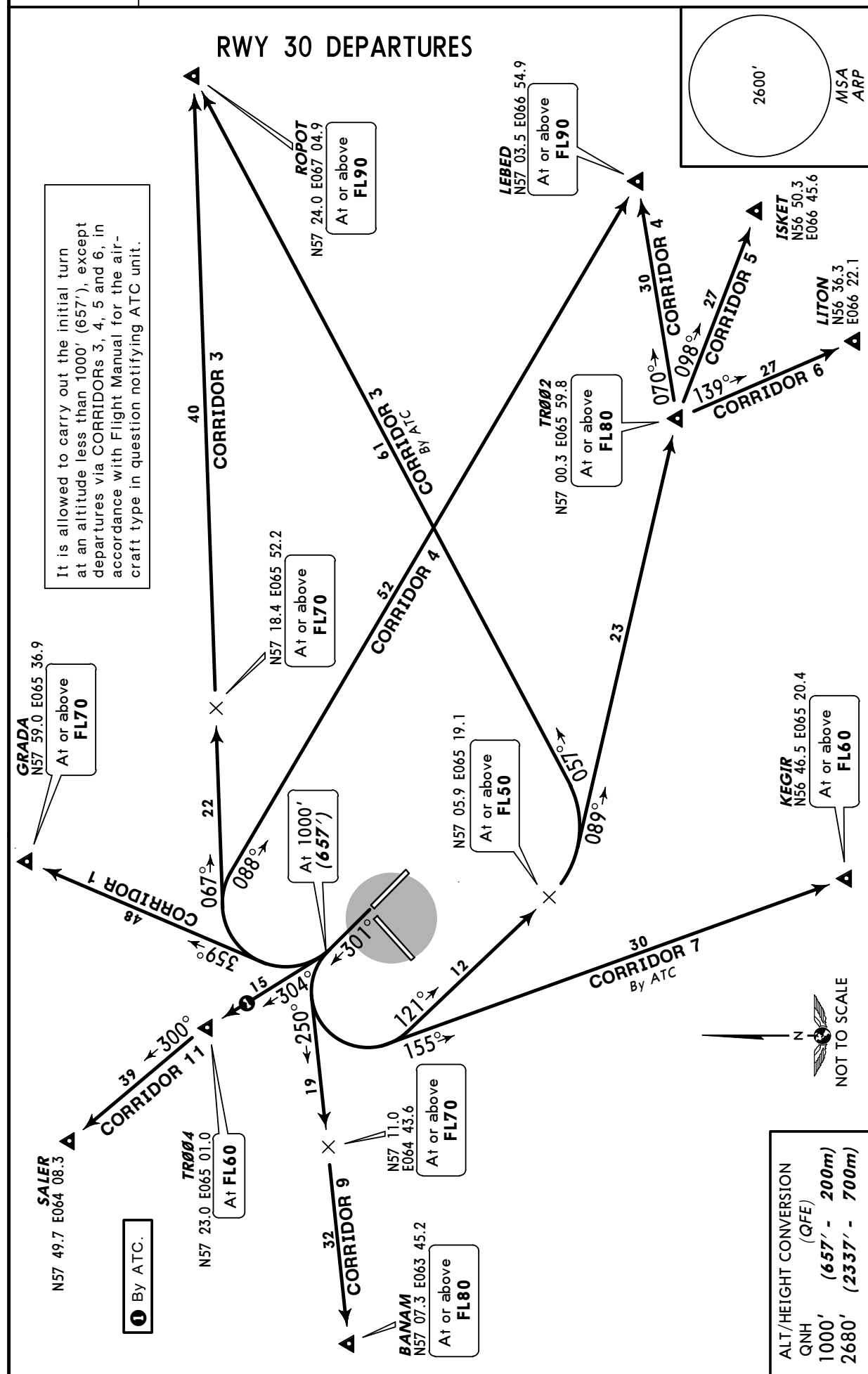
JEPPESSEN
4 NOV 11 10-3F Eff 17 Nov

TYUMEN, RUSSIA

SID

Apt Elev
379'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2337')



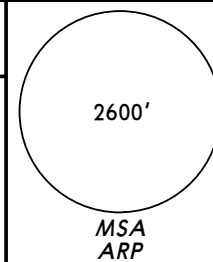
USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (10-3G) Eff 17 Nov

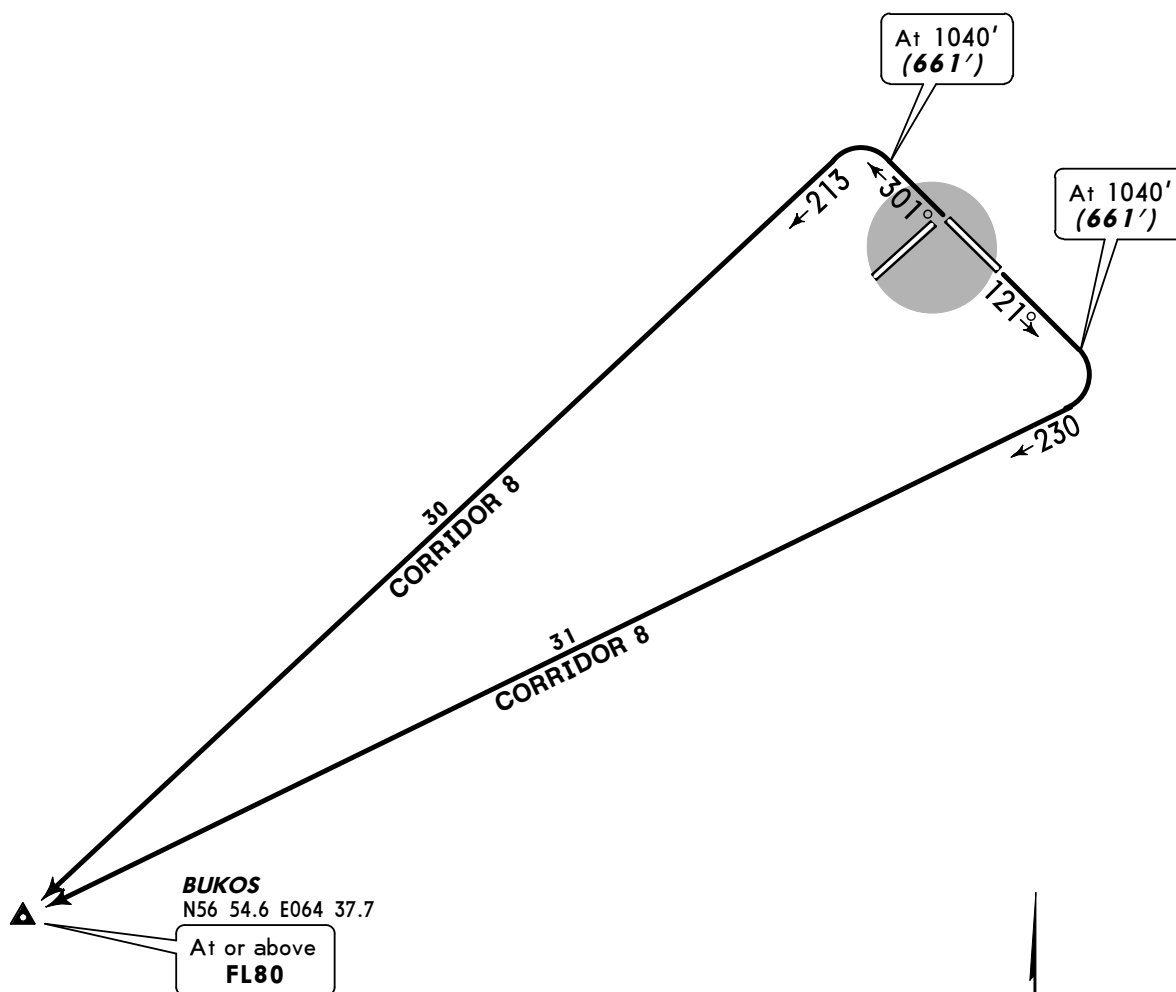
TYUMEN, RUSSIA
SID

Apt Elev
379'

QNH on request (QFE)
Trans level: FL40 Trans alt: 2680' (2301')



RWYS 12, 30 DEPARTURES
ONLY FOR RUSSIAN USERS OF AIRSPACE
BY ATC



It is allowed to carry out the initial turn
at an altitude less than 1040' (661'), in
accordance with Flight Manual for the air-
craft type in question notifying ATC unit.

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1040'	(661' - 200m)
2680'	(2301' - 700m)

USTR/TJM

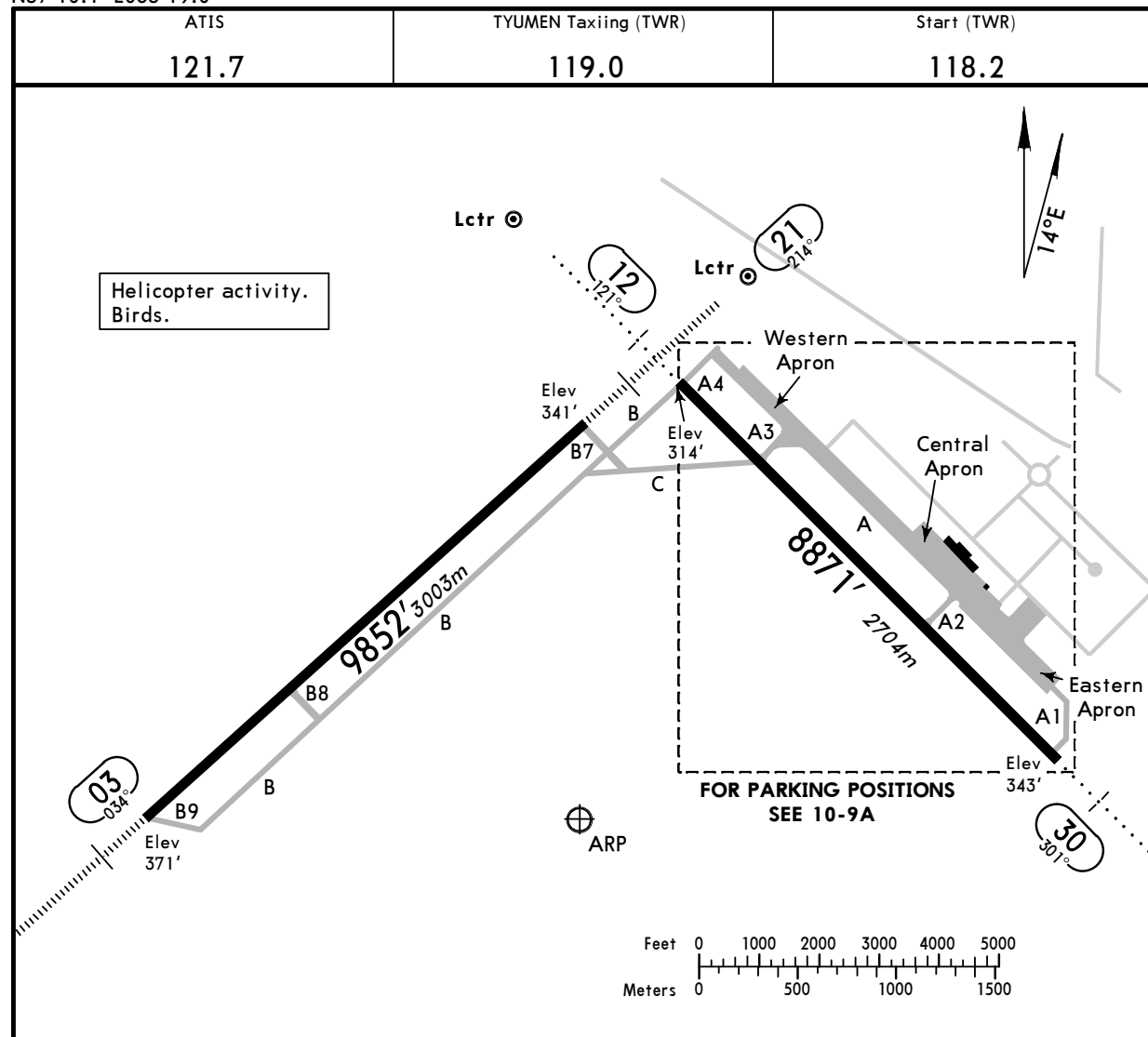
Apt Elev **379'**
N57 10.1 E065 19.0

JEPPESSEN

17 DEC 10 **(10-9)**

TYUMEN, RUSSIA

ROSHCHINO



ADDITIONAL RUNWAY INFORMATION

					USABLE LENGTHS				
					LANDING BEYOND		TAKE-OFF		
RWY					Threshold	Glide Slope			WIDTH
03	21	HIRL (60m)	HIALS	PAPI-L(angle 2.67°)	RVR		8572' 2613m	9524' 2903m①	148' 45m
		HIRL (60m)	HIALS	PAPI-L(angle 2.67°)	RVR		8769' 2673m		
12	30	RL (50m)	ALS	PAPI-L(angle 2.67°)	RVR			8543' 2604m①	164' 50m
		RL (50m)	ALS	PAPI-L(angle 3.00°)	RVR				

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

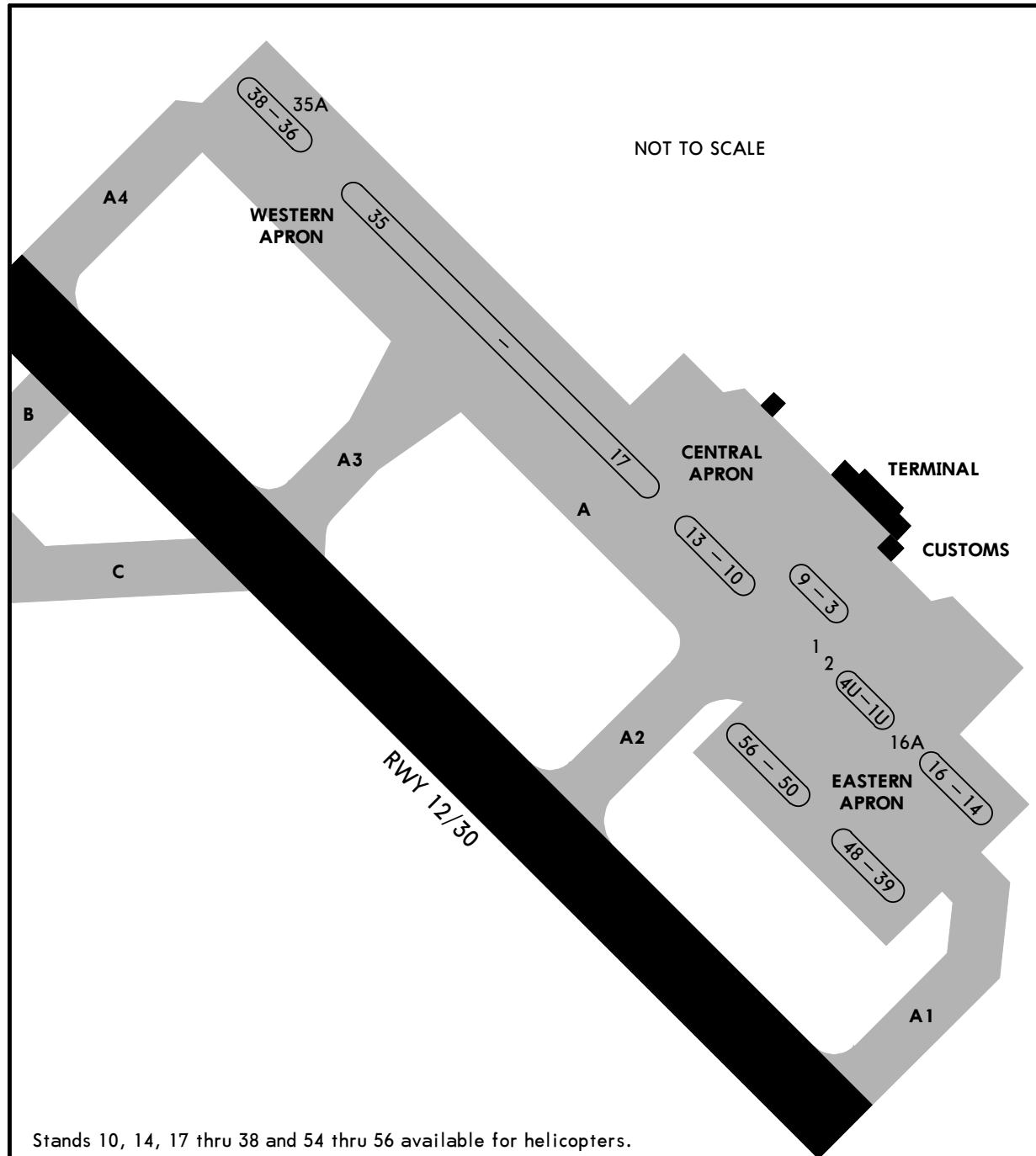
TAKE-OFF

AIR CARRIER (JAA)

All Rwy's

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

USTR/TJM

 **JEPPESEN**
17 DEC 10 **(10-9A)**
TYUMEN, RUSSIA
ROSHCHINO**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		

USTR/TJM


JEPPESEN
 11 FEB 11 **10-9S**
Standard
TYUMEN, RUSSIA
ROSHCHINO

STRAIGHT-IN RWY		A	B	C	D
03	ILS	571' (200')	571' (200')	571' (200')	571' (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 AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	RNAV ①	680' (309')	680' (309')	680' (309')	680' (309')
12	<i>ALS out</i>	R750m R1400m	R750m R1400m	R750m R1400m	R750m R1400m
	NDB ①	730' (359')	730' (359')	730' (359')	730' (359')
	<i>ALS out</i>	R1000m R1600m	R1000m R1600m	R1200m R1600m	R1200m R1600m
	RNAV ①	660' (346')	660' (346')	660' (346')	660' (346')
	<i>ALS out</i>	R1400m R1500m	R1400m R1500m	R1400m R1600m	R1400m R1600m
	NDB ①	670' (356')	670' (356')	670' (356')	670' (356')
21	<i>ALS out</i>	R1400m R1600m	R1400m R1600m	R1400m R1600m	R1400m R1600m
	ILS	541' (200')	541' (200')	541' (200')	541' (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 AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
30	RNAV ①	650' (309')	650' (309')	650' (309')	650' (309')
	<i>ALS out</i>	R750m R1400m	R750m R1400m	R750m R1400m	R750m R1400m
	NDB ①	700' (359')	700' (359')	700' (359')	700' (359')
	<i>ALS out</i>	R1000m R1600m	R1000m R1600m	R1200m R1600m	R1200m R1600m
	RNAV ①	710' (366')	710' (366')	710' (366')	710' (366')
	<i>ALS out</i>	R1500m R1500m	R1500m R1500m	R1500m R1700m	R1500m R1700m
30	NDB	1050' (706')	1050' (706')	1050' (706')	1050' (706')
	<i>ALS out</i>	C3300m C3500m	C3300m C3500m	C3500m C3700m	C3500m 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	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

USTR/TJM


JEPPESEN
 17 DEC 10 **10-9X**
JAA MINIMUMS
TYUMEN, RUSSIA
RÓSHCHINO

STRAIGHT-IN RWY		A	B	C	D
03	ILS	571' (200')	571' (200')	571' (200')	571' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	RNAV	680' (309')	680' (309')	680' (309')	680' (309')
		R900m	R1000m	R1000m	R1400m
12	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	680' (309')	680' (309')	680' (309')	680' (309')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	RNAV	660' (346')	660' (346')	660' (346')	660' (346')
		R1300m	R1400m	R1600m	R1800m
21	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	640' (326')	640' (326')	640' (326')	640' (326')
		R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	ILS	541' (200')	541' (200')	541' (200')	541' (200')
		R550m	R550m	R550m	R550m
30	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	RNAV	650' (309')	650' (309')	650' (309')	650' (309')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	670' (329')	670' (329')	670' (329')	670' (329')
30		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	RNAV	710' (367')	710' (367')	710' (367')	710' (367')
		R1300m	R1400m	R1600m	R1800m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	1050' (707')	1050' (707')	1050' (707')	1050' (707')
		R1500m	R1500m	R2000m	R2000m

TAKE-OFF RWY 03, 12, 21, 30

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

USTR/TJM
ROSHCHINO

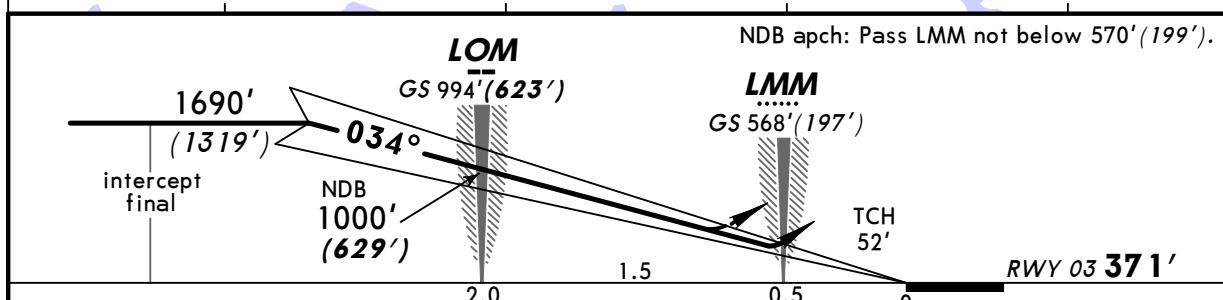
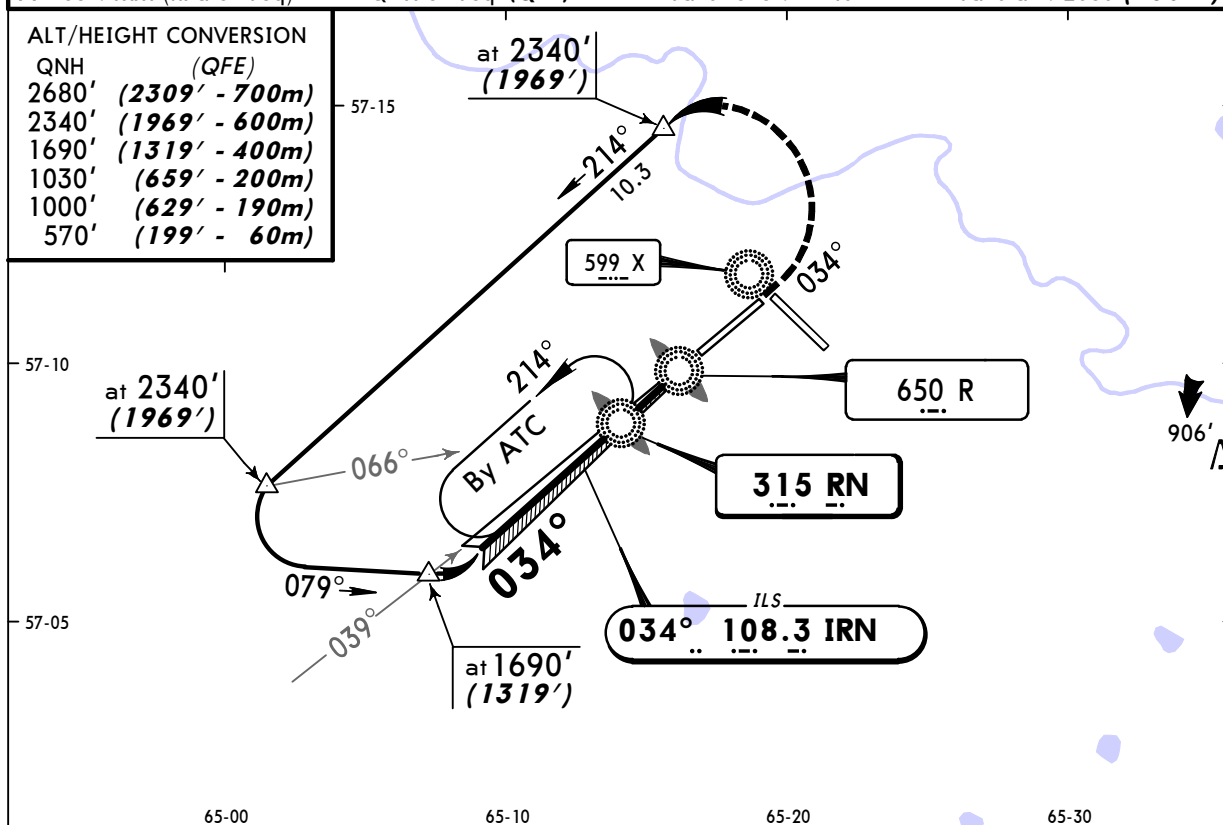
JEPPESEN
4 NOV 11 (11-1) Eff 17 Nov

TYUMEN, RUSSIA
ILS or 2 NDB Rwy 03

BRIEFING STRIP

ATIS 121.7		TYUMEN Approach 126.1		TYUMEN Krug (SRE) 120.4		TYUMEN Start (PAR/TWR) 118.2		Ground 119.0	
LOC IRN 108.3	Final Apch Crs 034°		GS LOM 994' (623')	ILS DA(H) 571' (200')	Apt Elev 379' RWY 371'		2600' MSA ARP		
NDB RN 315			Minimum Alt LOM 1000' (629')	NDB MDA(H) 680' (309')					
MISSED APCH: Climb on 034° to 1030' (659'), then turn LEFT onto 214° 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')			

ALT/HEIGHT CONVERSION	QNH (QFE)
2680'	(2309' - 700m)
2340'	(1969' - 600m)
1690'	(1319' - 400m)
1030'	(659' - 200m)
1000'	(629' - 190m)
570'	(199' - 60m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1030' (659') on 034°	214° LT	2340' (1969')
ILS GS or NDB Desc angle 2.67°	336	433	481	577	673	769	PAPI			

STRAIGHT-IN LANDING RWY 03					
ILS		LOC (GS out)		NDB	
DA(H) 571' (200')				MDA(H) 680' (309')	
FULL	ALS out				ALS out
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED	1200m	RVR 1500m VIS 1600m
D					RVR 1500m VIS 1600m

PANS OPS

USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (11-2) Eff 17 Nov

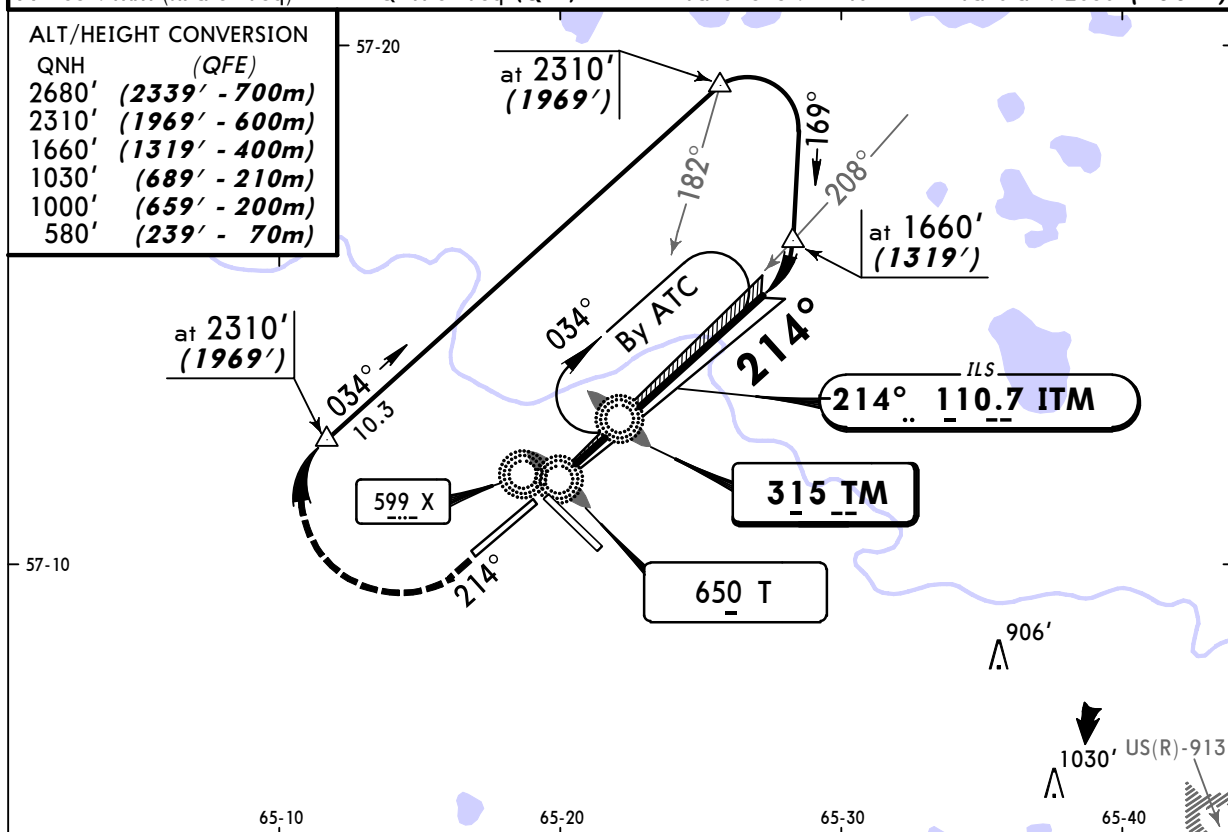
TYUMEN, RUSSIA
ILS or 2 NDB Rwy 21

BRIEFING STRIP

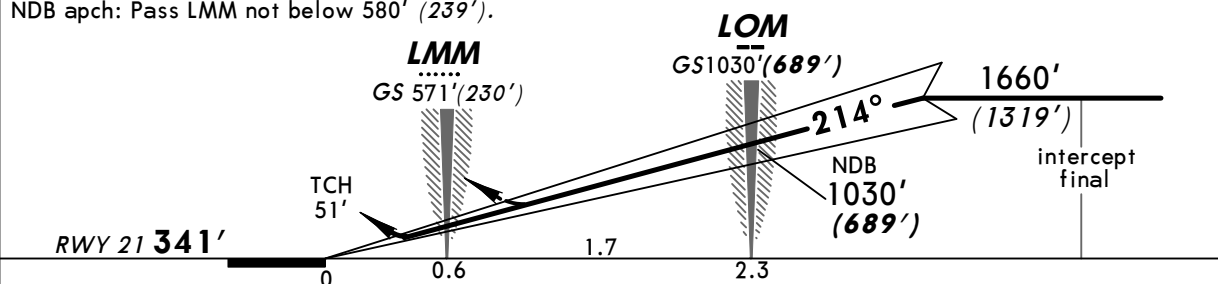
ATIS 121.7		TYUMEN Approach 126.1		TYUMEN Krug (SRE) 120.4		TYUMEN Start (PAR/TWR) 118.2		Ground 119.0	
LOC ITM 110.7		Final Apch Crs 214°	GS/ Minimum Alt LOM 1030' (689')	ILS DA(H) 541' (200')		Apt Elev 379' RWY 341'	2600' MSA ARP		
NDB TM 315				NDB MDA(H) 670' (329')					
MISSED APCH: Climb on 214° to 1000' (659'), then turn RIGHT onto 034° 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')			

ALT/HEIGHT CONVERSION

QNH	(QFE)
2680'	(2339' - 700m)
2310'	(1969' - 600m)
1660'	(1319' - 400m)
1030'	(689' - 210m)
1000'	(659' - 200m)
580'	(239' - 70m)



NDB apch: Pass LMM not below 580' (239').



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1000' (659') on 214°	034° RT	2310' (1969')
ILS GS or NDB Desc angle 2.67°	336	433	481	577	673	769	PAPI			

STRAIGHT-IN LANDING RWY 21

	ILS		LOC (GS out)	NDB	
	DA(H) 541' (200')	ALS out		MDA(H) 670' (329')	ALS out
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED	1200m	RVR 1500m VIS 1600m
D				RVR 1500m VIS 1600m	

PANS OPS

USTR/TJM
ROSHCHINO

4 NOV 11

(12-1)

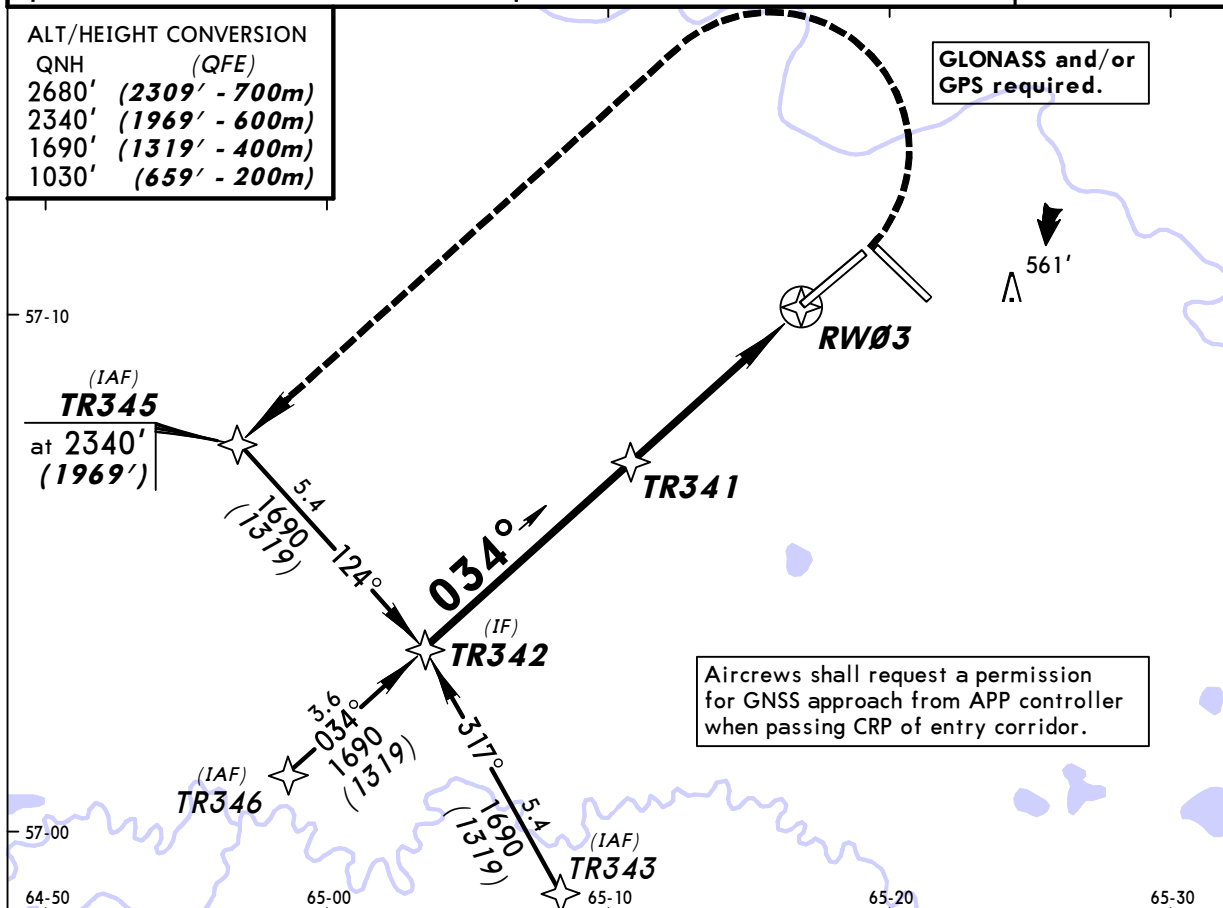
Eff 17 Nov

TYUMEN, RUSSIA
RNAV (GNSS) Rwy 03

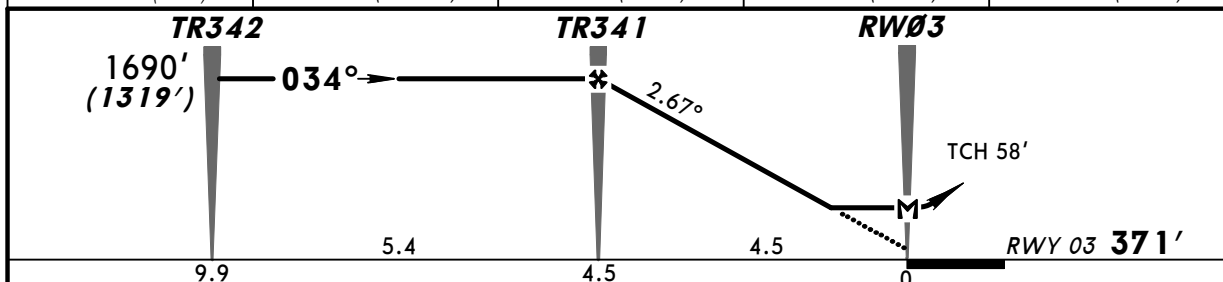
BRIEFING STRIP

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.				2600'
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 2680' (2309')				MSA ARP
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	HIALS	1030' (659')	TR345	2340' (1969')
Descent angle 2.67°	331	425	472	567	661	756	PAPI	↑	LT	↑
MAP at RW03										

STRAIGHT-IN LANDING RWY 03	
MDA(H) 680' (309')	
ALS out	
A	
B	1200m
C	RVR 1500m VIS 1600m
D	RVR 1500m VIS 1600m

PANS OPS

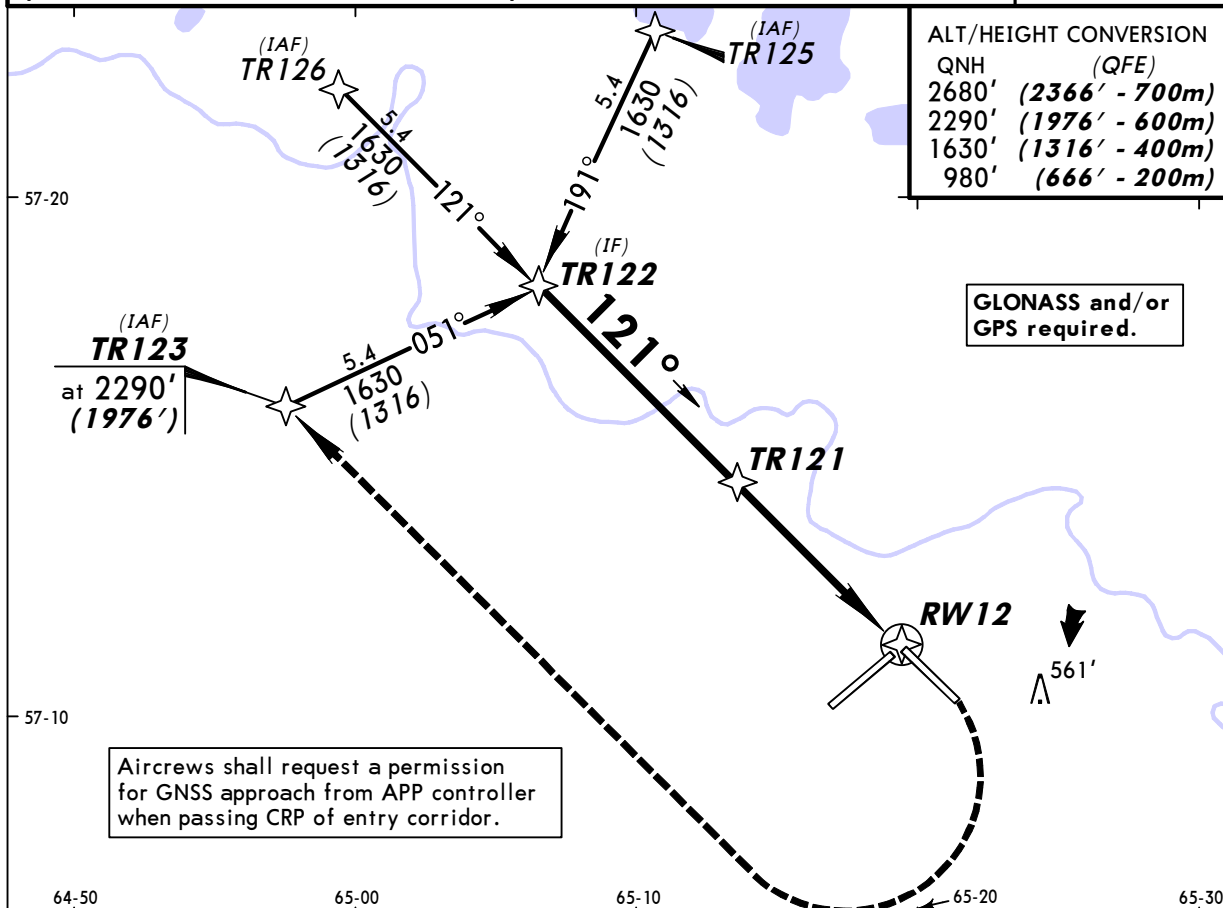
USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (12-2) Eff 17 Nov

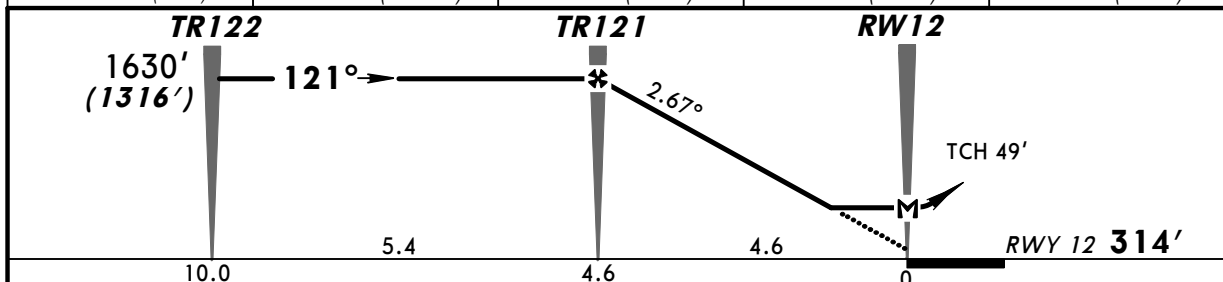
TYUMEN, RUSSIA
RNAV (GNSS) Rwy 12

BRIEFING STRIP

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.				
				2600' MSA ARP



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

PANS OPS

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

USTR/TJM
ROSHCHINO

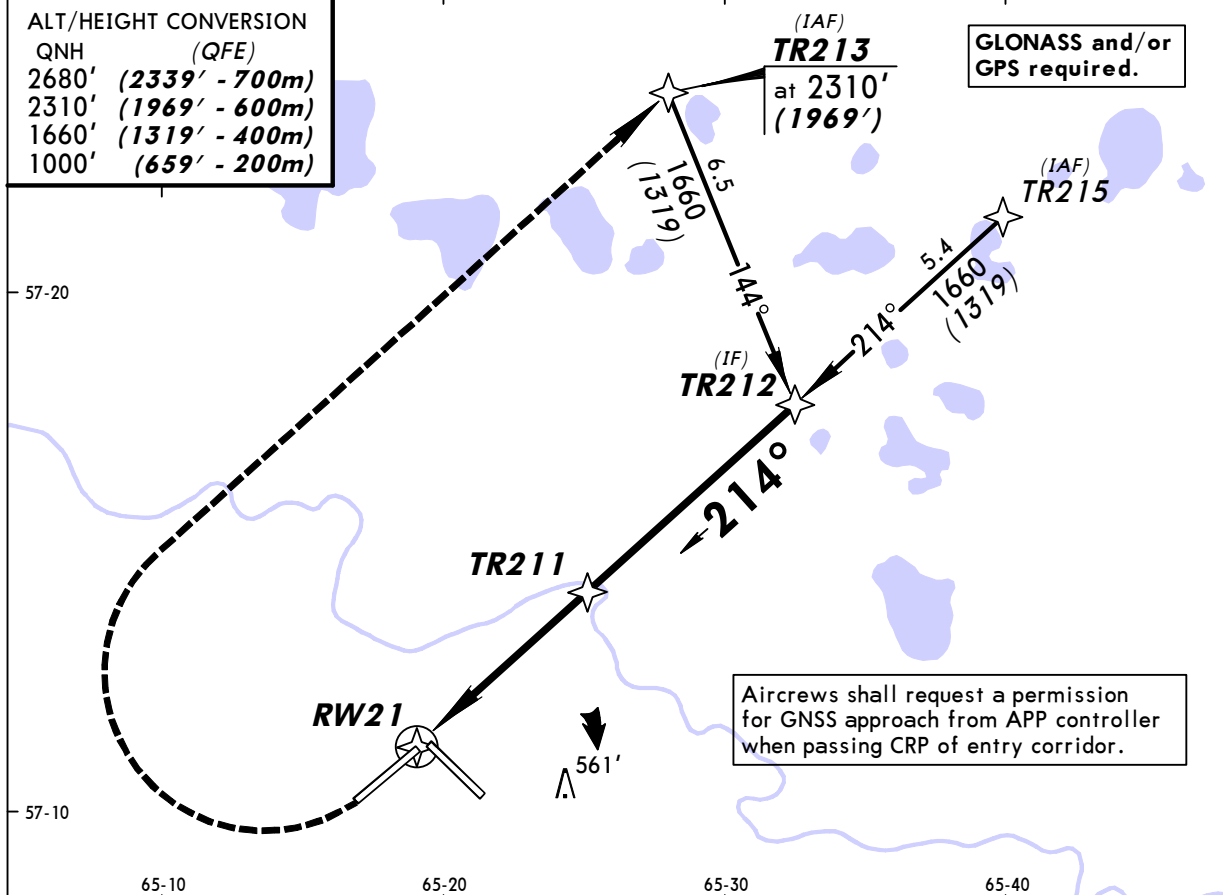
JEPPESEN
4 NOV 11 (12-3) Eff 17 Nov

TYUMEN, RUSSIA
RNAV (GNSS) Rwy 21

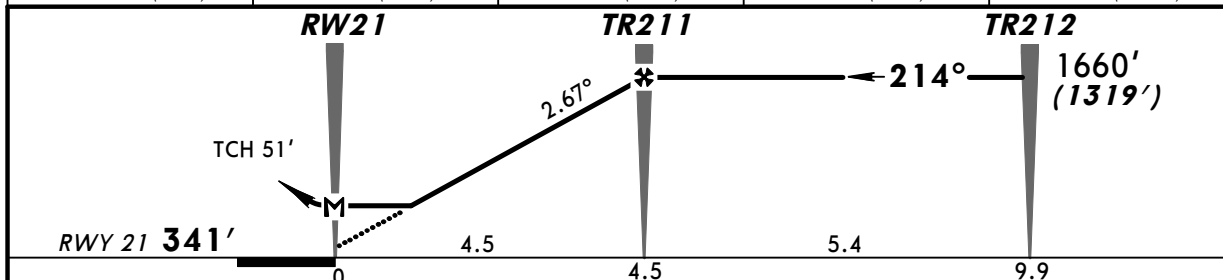
BRIEFING STRIP

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	

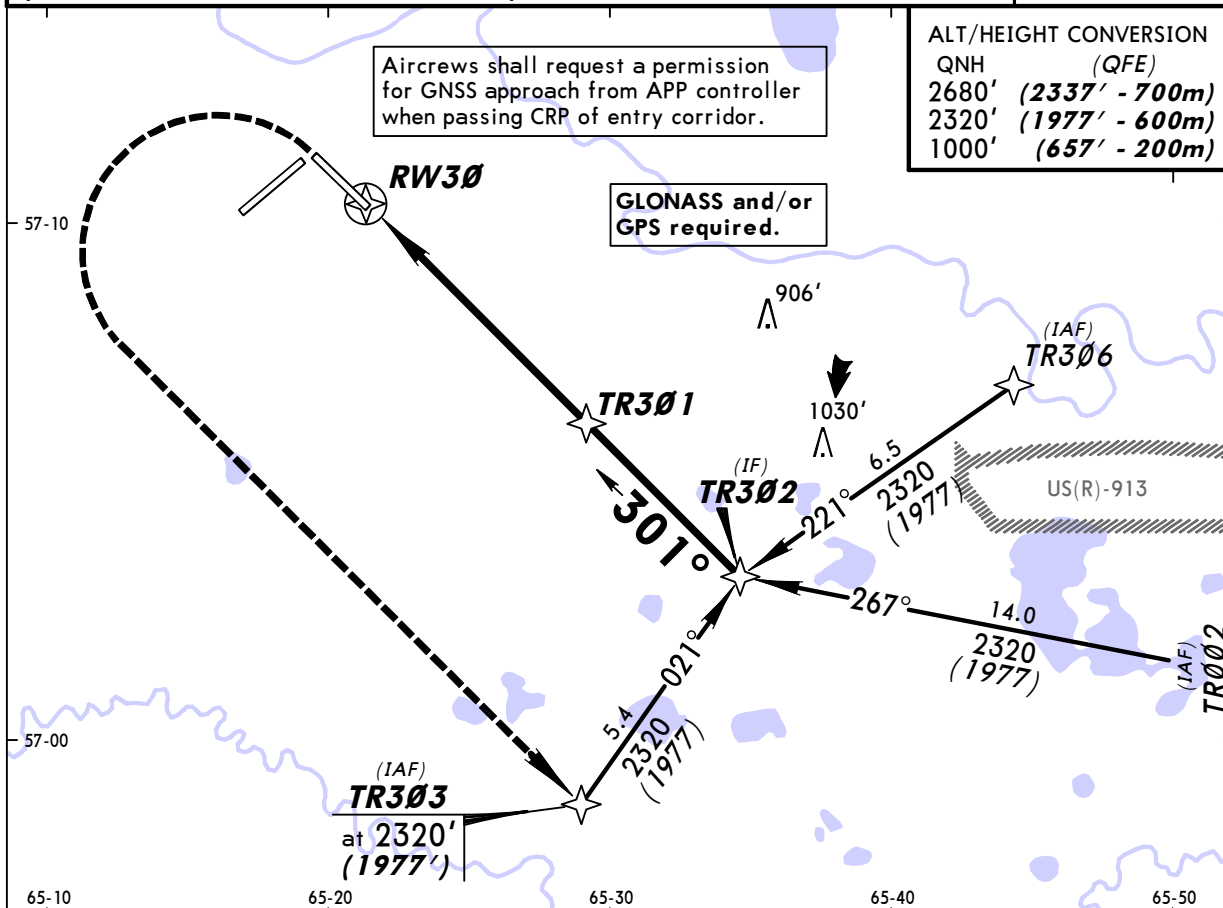
USTR/TJM
ROSHCHINO

JEPPESSEN
4 NOV 11 (12-4) Eff 17 Nov

TYUMEN, RUSSIA
RNAV (GNSS) Rwy 30

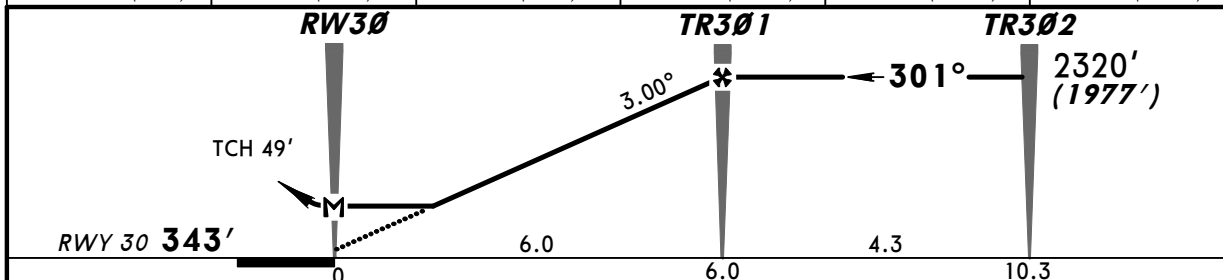
BRIEFING STRIP

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



ALT/HEIGHT CONVERSION	
QNH	(QFE)
2680'	(2337' - 700m)
2320'	(1977' - 600m)
1000'	(657' - 200m)

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')



Gnd speed-Kts	70	90	100	120	140	160	ALS	1000' (657')	TR303	2320' (1977')
Descent angle 3.00°	372	478	531	637	743	849	PAPI	↑	LT	↑
MAP at RW30										

STRAIGHT-IN LANDING RWY 30

MDA(H) 710' (367')

ALS out

PANS OPS

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

USTR/TJM
ROSHCHINO

JEPPESEN
4 NOV 11 (16-1) Eff 17 Nov

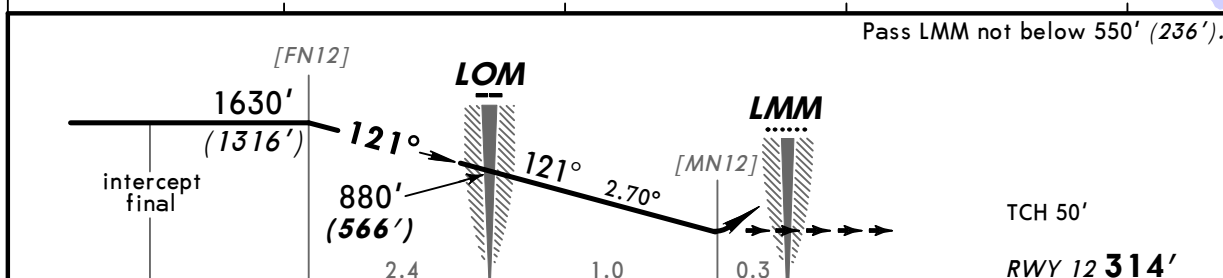
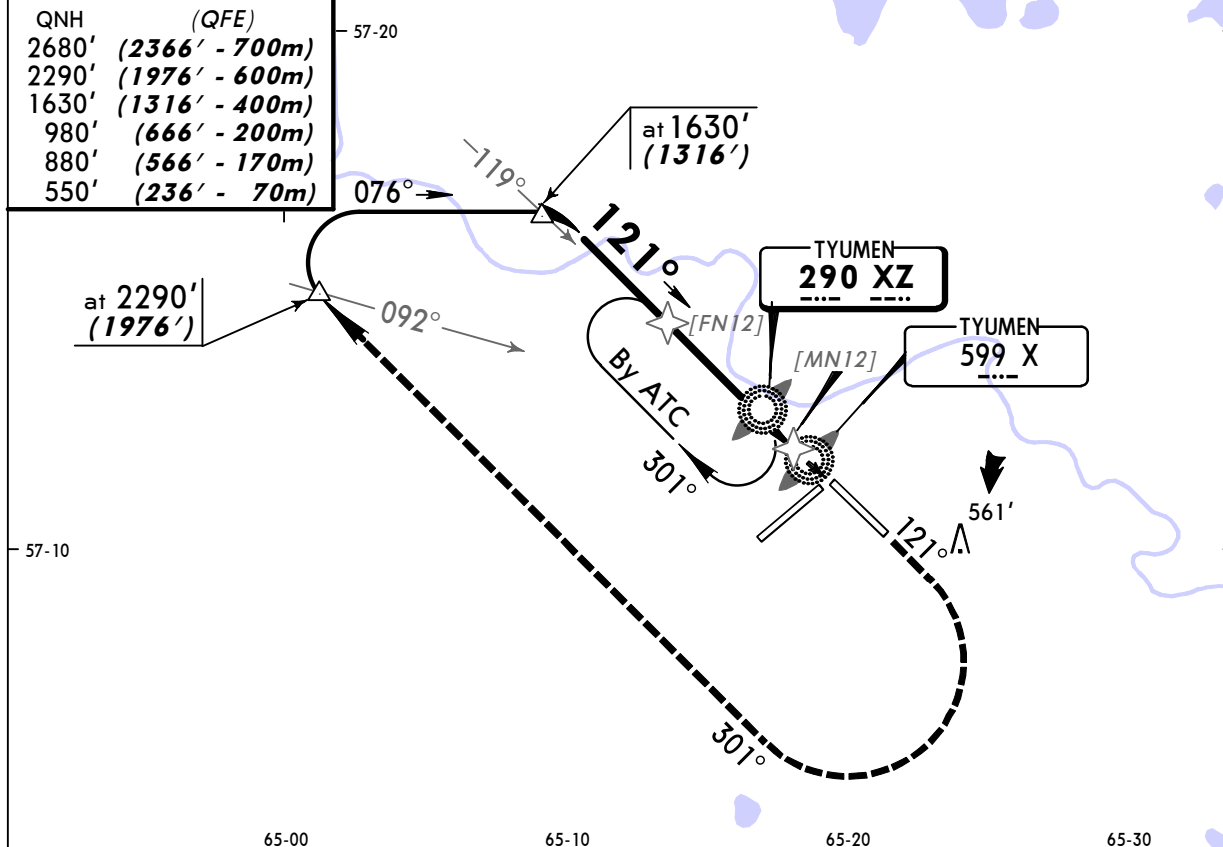
TYUMEN, RUSSIA
2 NDB Rwy 12

BRIEFING STRIP

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

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	764				

STRAIGHT-IN LANDING RWY 12			
MDA(H) 640' (326')			
		ALS out	
A	RVR 1500m VIS 1600m		
B			
C			
D			

PANS OPS

USTR/TJM
ROSHCHINO

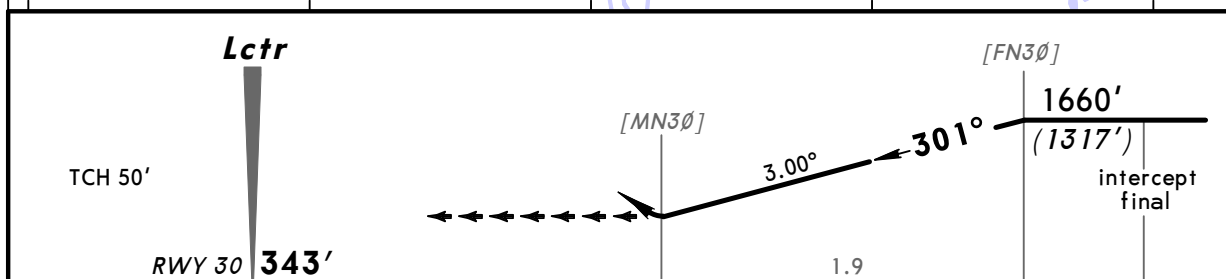
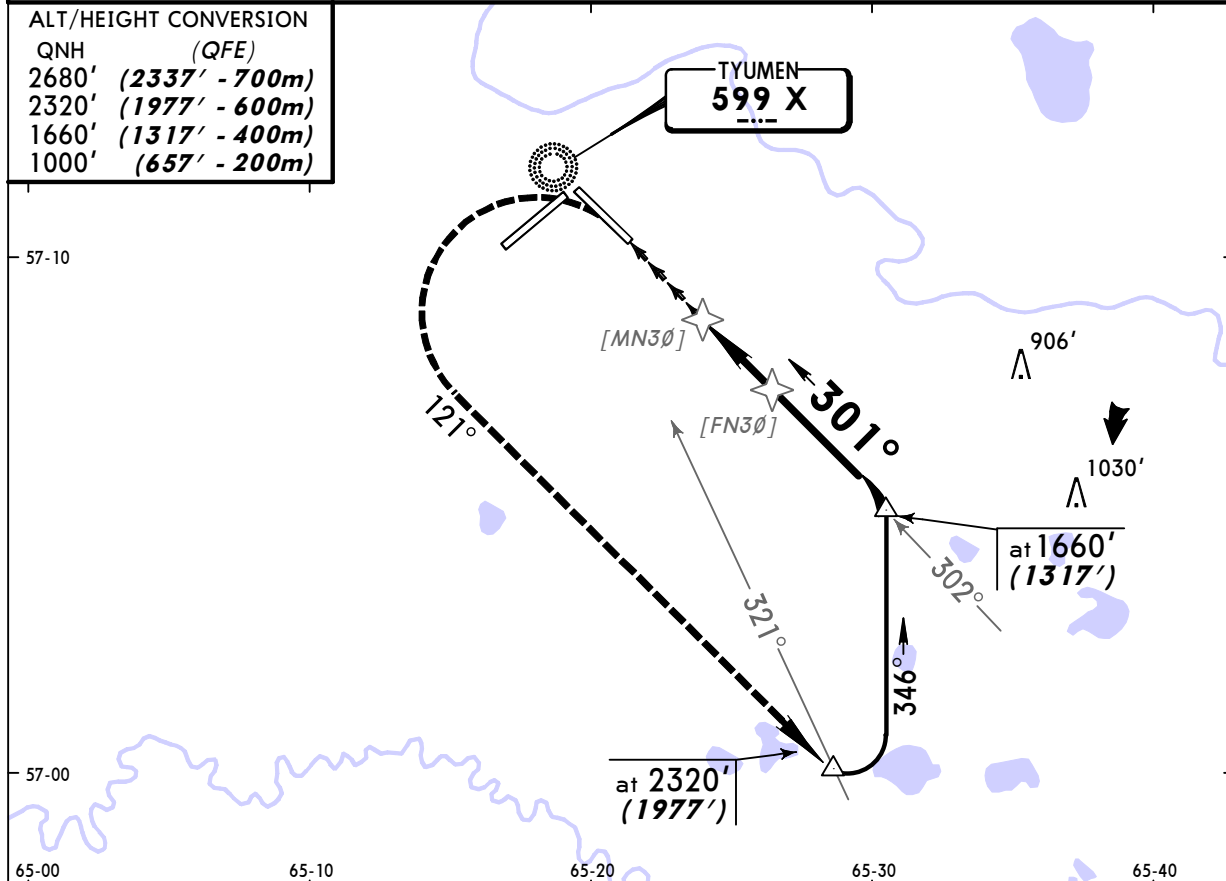
JEPPESEN
4 NOV 11 (16-2) Eff 17 Nov

TYUMEN, RUSSIA
NDB Rwy 30

BRIEFING STRIP

ATIS	TYUMEN Approach	TYUMEN Krug (SRE)	TYUMEN Start (PAR/TWR)	Ground
121.7	126.1	120.4	118.2	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		ALS out	
MDA(H) 1050' (707')			
A			
B	3200m		
C			
D	3600m		

PANS OPS