

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

No revision activity since Disc 26-2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport USUU

General Info

Kurgan, RUS

N 55° 28.5' E 65° 25.0' Mag Var: 12.7°E

Elevation: 239'

Public, IFR, Control Tower, No Customs

Time Zone Info: GMT+5:00 uses DST

Runway Info

Runway 02-20 8533' x 138' asphalt

Runway 02 (18.0°M) TDZE 237'

Lights: Edge, ALS

Runway 20 (198.0°M) TDZE 233'

Lights: Edge, ALS

Communications InfoKurgan Tower **124.0** Non-EnglishKurgan Tower **120.3** Non-EnglishKurgan Approach Control **124.0** Non-EnglishKurgan Approach Control **120.3** Non-EnglishKurgan Transit Operations **131.7** Non-English**Notebook Info**

USUU/KRO
KURGAN

JEPPesen
4 JUN 10 **10-2**

KURGAN, RUSSIA
STAR

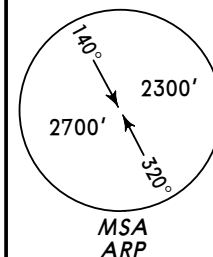
*KURGAN Approach
(Russian)
120.3 124.0X

Apt Elev
239'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is at or below 753mm (1003.9 hPa)
Trans alt: 2870' **(2633')**

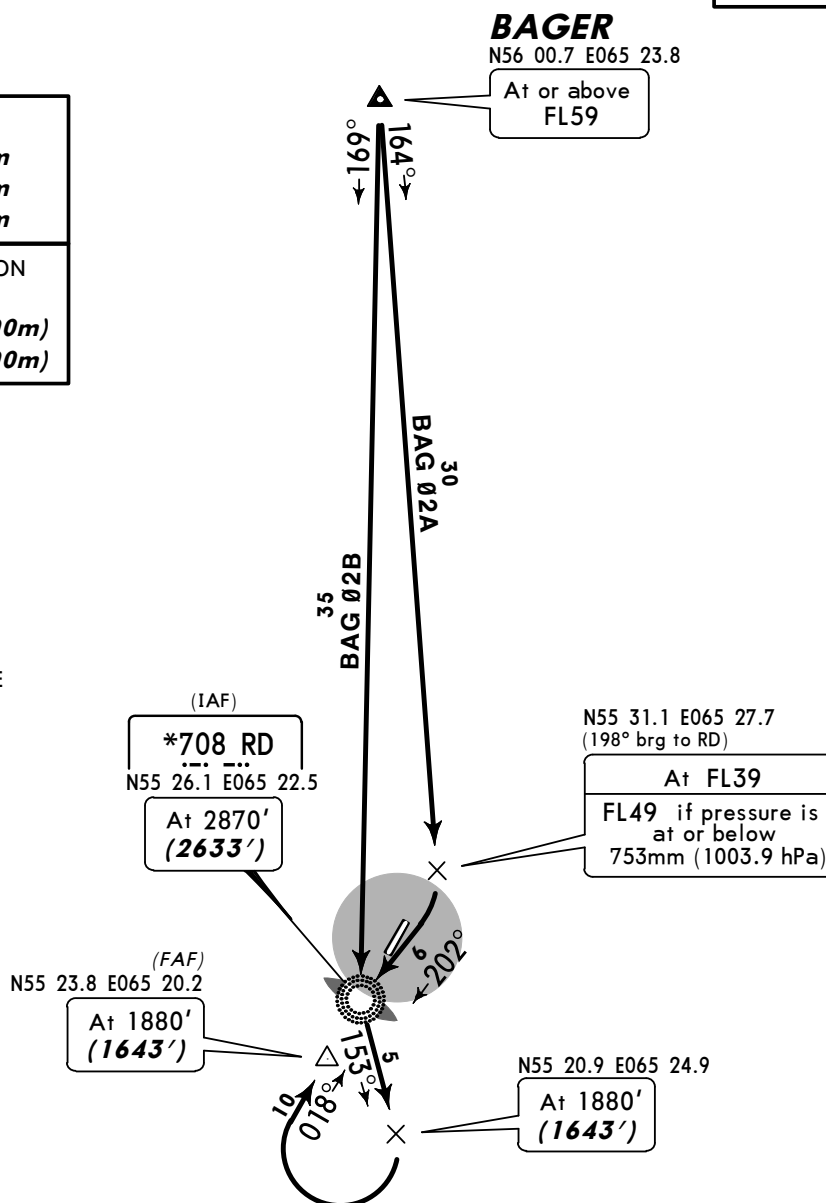
BAGER Ø2A (BAG Ø2A), BAGER Ø2B (BAG Ø2B)
RWY 02 ARRIVALS
FROM NORTH
CAT C & D

FOR RUSSIAN USERS ONLY



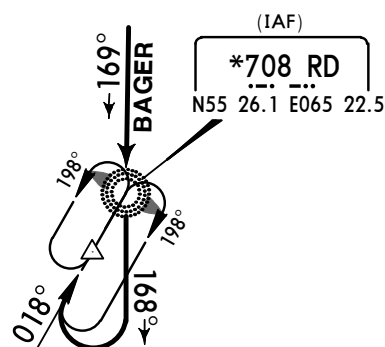
FL CONVERSION	
FL59	FL 1800m
FL49	FL 1500m
FL39	FL 1200m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2870'	(2633' - 800m)
1880'	(1643' - 500m)



LOST COMMS AND ASR OUT PROCEDURES:

- commence approach by overflying IAF RD, enter STAR as follows:
from BAGER perform teardrop entry:
overfly RD, 168° track for 1,5 MIN, turn onto RD and perform RIGHT hand racetrack approach;
- IN THE EVENT OF LOST COMMS, descend for approach after overflying RD.
- IF ASR OUT, descend as instructed by ATC.



USUU/KRO
KURGAN

JEPPESEN
4 JUN 10 **(10-2A)**

KURGAN, RUSSIA
STAR

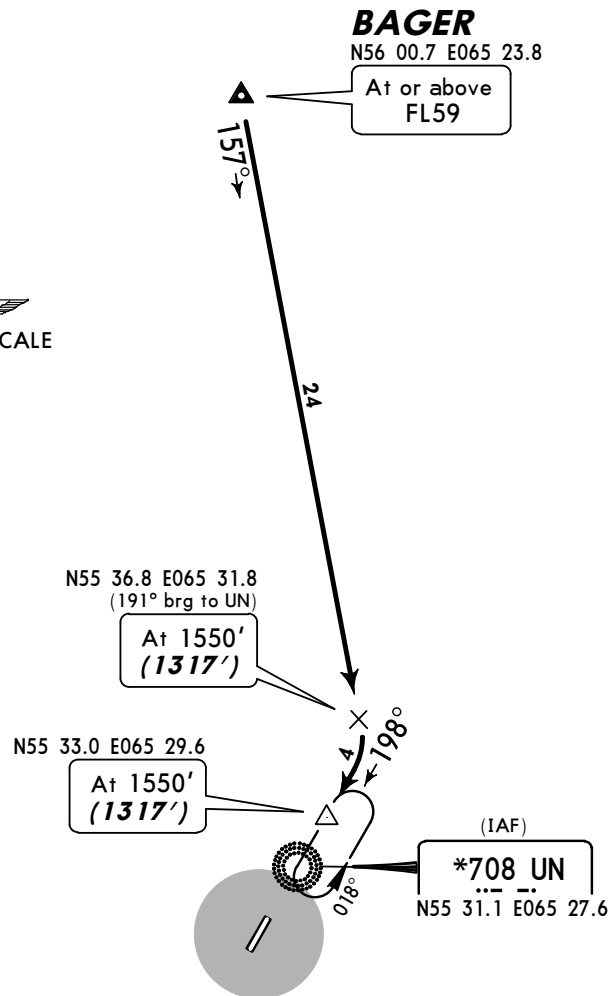
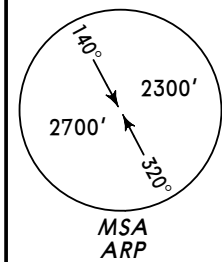
*KURGAN Approach
(Russian)
120.3 124.0X

Apt Elev
239'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is at or below 753mm (1003.9 hPa)
Trans alt: 2870' **(2637')**
Final turn to be performed with descent.

BAGER 20A (BAG 20A)
RWY 20 ARRIVAL
FROM NORTH

FOR RUSSIAN USERS ONLY



LOST COMMS AND ASR OUT PROCEDURES:

- commence approach by overflying IAF UN, then perform racetrack approach;
- IN THE EVENT OF LOST COMMS, descend for approach after overflying UN;
- IF ASR OUT, descend as instructed by ATC.
- track 018°: CAT A&B 2 MIN
CAT C&D 1,5 MIN.

FL CONVERSION	
FL59	FL 1800m
FL49	FL 1500m
FL39	FL 1200m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2870'	(2637' - 800m)
1550'	(1317' - 400m)

USUU/KRO
KURGAN

JEPPESSEN
4 JUN 10 **(10-2B)**

KURGAN, RUSSIA
STAR

*KURGAN Approach
(Russian)
120.3 124.0X

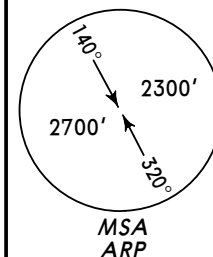
Apt Elev
239'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is at or below 753mm (1003.9 hPa)
Trans alt: 2870' **(2633')**

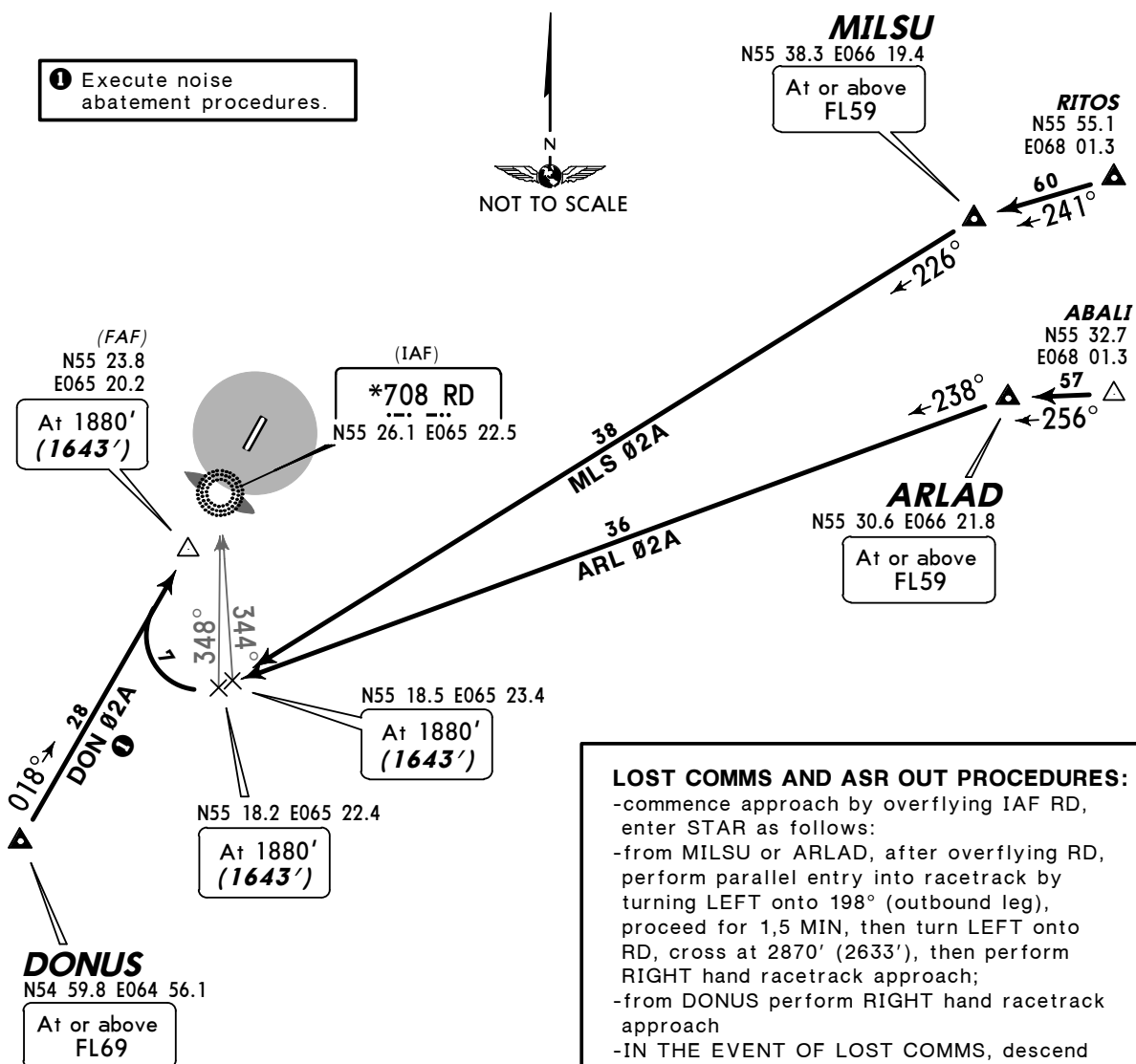
ARLAD Ø2A (ARL Ø2A)
DONUS Ø2A (DON Ø2A)①, MILSU Ø2A (MLS Ø2A)
RWY 02 ARRIVALS
FROM EAST & SOUTH

CAT C & D

FOR RUSSIAN USERS ONLY

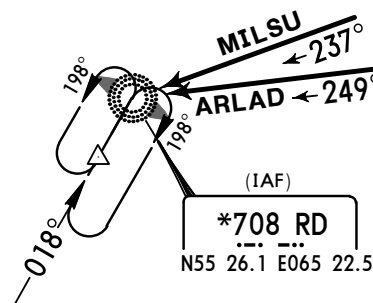


① Execute noise abatement procedures.



LOST COMMS AND ASR OUT PROCEDURES:

- commence approach by overflying IAF RD, enter STAR as follows:
- from MILSU or ARLAD, after overflying RD, perform parallel entry into racetrack by turning LEFT onto 198° (outbound leg), proceed for 1,5 MIN, then turn LEFT onto RD, cross at 2870' (2633'), then perform RIGHT hand racetrack approach;
- from DONUS perform RIGHT hand racetrack approach
- IN THE EVENT OF LOST COMMS, descend for approach after overflying RD.
- IF ASR OUT, descend as instructed by ATC.



FL CONVERSION

FL69 **FL2100m**
FL59 **FL1800m**
FL49 **FL1500m**
FL39 **FL1200m**

ALT/HEIGHT CONVERSION

QNH **(QFE)**
2870' **(2633' - 800m)**
1880' **(1643' - 500m)**

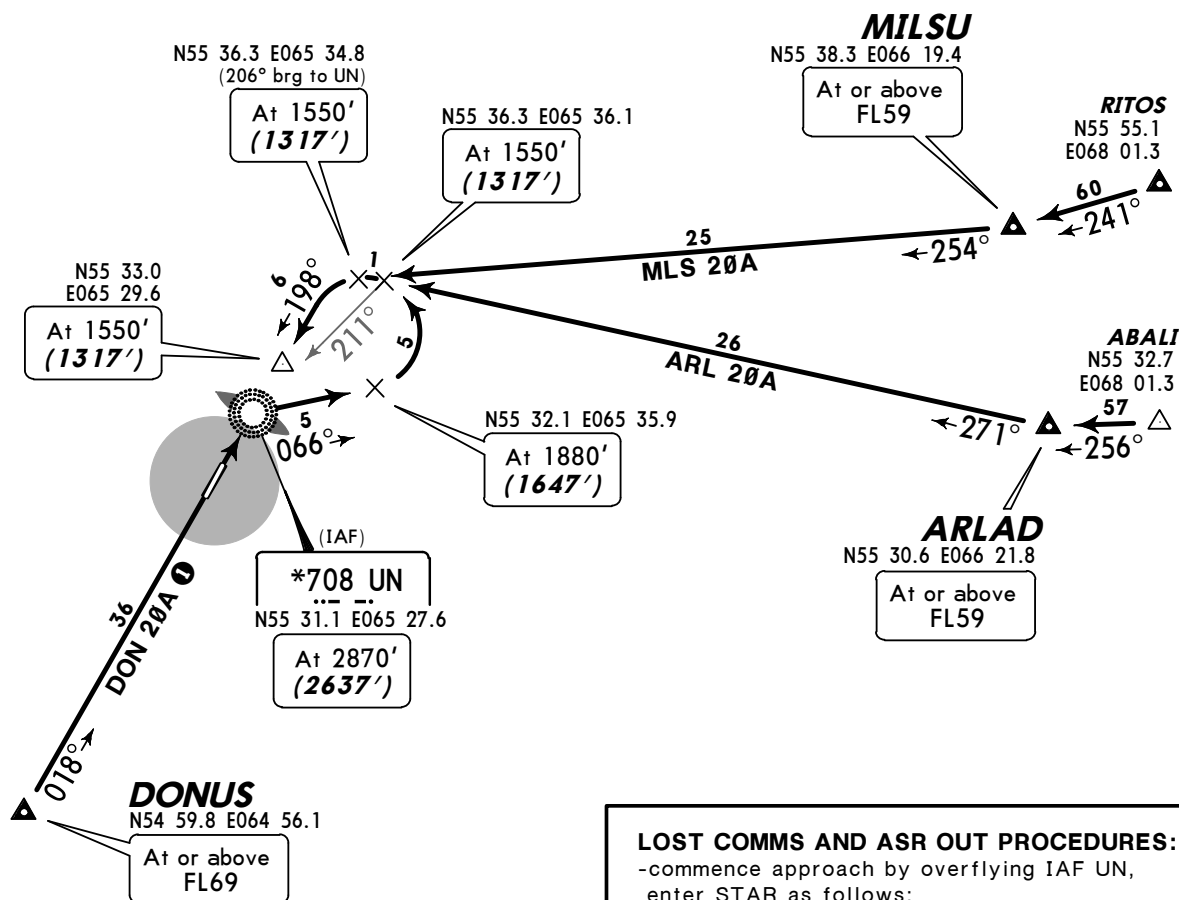
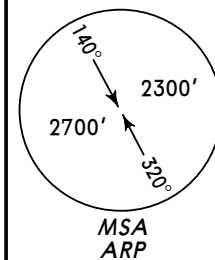
USUU/KRO
KURGAN

JEPPESSEN
4 JUN 10 **(10-2C)**

KURGAN, RUSSIA
STAR

*KURGAN Approach (Russian) 120.3 124.0X	Apt Elev 239'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL39 FL49 if pressure is at or below 753mm (1003.9 hPa) Trans alt: 2870' (2637') Final turn to be performed with descent.
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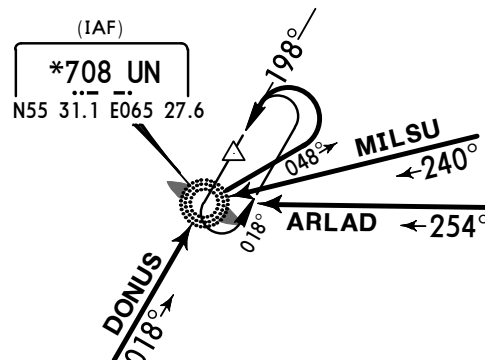
ARLAD 20A (ARL 20A)
DONUS 20A (DON 20A)①, MILSU 20A (MLS 20A)
RWY 20 ARRIVALS
FROM EAST & SOUTH
FOR RUSSIAN USERS ONLY



① Execute noise abatement procedures.

LOST COMMS AND ASR OUT PROCEDURES:

- commence approach by overflying IAF UN, enter STAR as follows:
- from MILSU or ARLAD, after overflying UN, perform direct entry into racetrack by turning LEFT onto outbound leg;
- from DONUS perform teardrop entry: overfly UN and turn RIGHT onto 048°;
- IN THE EVENT OF LOST COMMS, descend for approach after overflying UN.
- IF ASR OUT, descend as instructed by ATC;
- track 018° or 048° 1,5 MIN.



FL CONVERSION	
FL69	FL2100m
FL59	FL1800m
FL49	FL1500m
FL39	FL1200m

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2870'	(2637' - 800m)
1880'	(1647' - 500m)
1550'	(1317' - 400m)



USUU/KRO
KURGAN

JEPPESSEN
4 JUN 10 **(10-2D)**

KURGAN, RUSSIA
STAR

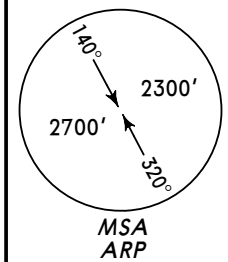
*KURGAN Approach (Russian) 120.3 124.0X	Apt Elev 239'	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: FL39 FL49 if pressure is at or below 753mm (1003.9 hPa) Trans alt: 2870' (2633') Final turn to be performed with descent.
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BEKAT 02A (BKT 02A), BEKAT 02B (BKT 02B) ①
OKUNA 02A (OKN 02A), OKUNA 02B (OKN 02B) ①
TABES 02A (TAB 02A), TABES 02B (TAB 02B) ①

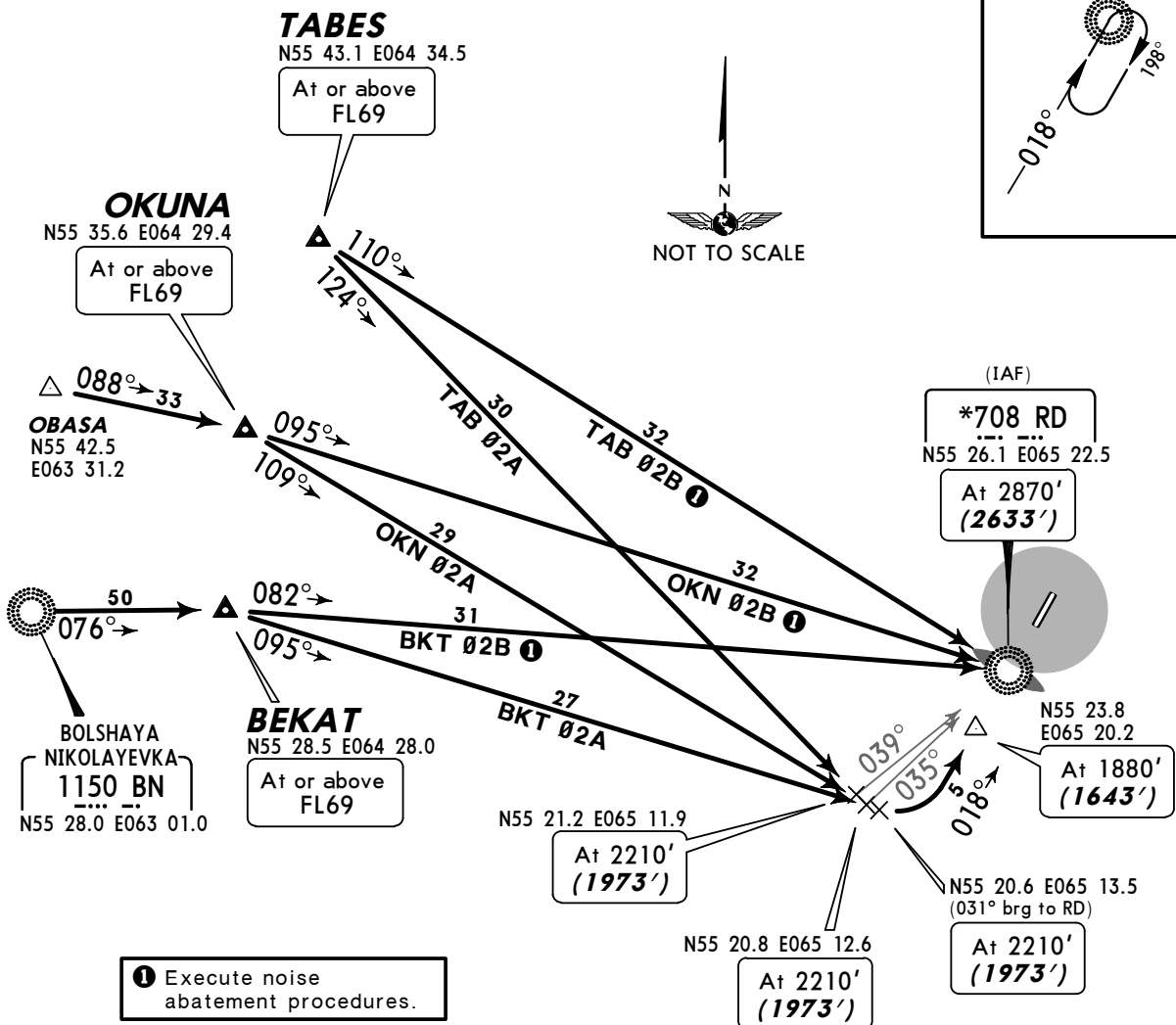
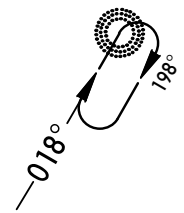
RWY 02 ARRIVALS
FROM WEST

CAT C & D

FOR RUSSIAN USERS ONLY



**HOLDING
OVER RD**



FL CONVERSION

FL69 **FL2100m**
FL49 **FL1500m**
FL39 **FL1200m**

ALT/HEIGHT CONVERSION

QNH **(QFE)**
2870' **(2633' - 800m)**
2210' **(1973' - 600m)**
1880' **(1643' - 500m)**

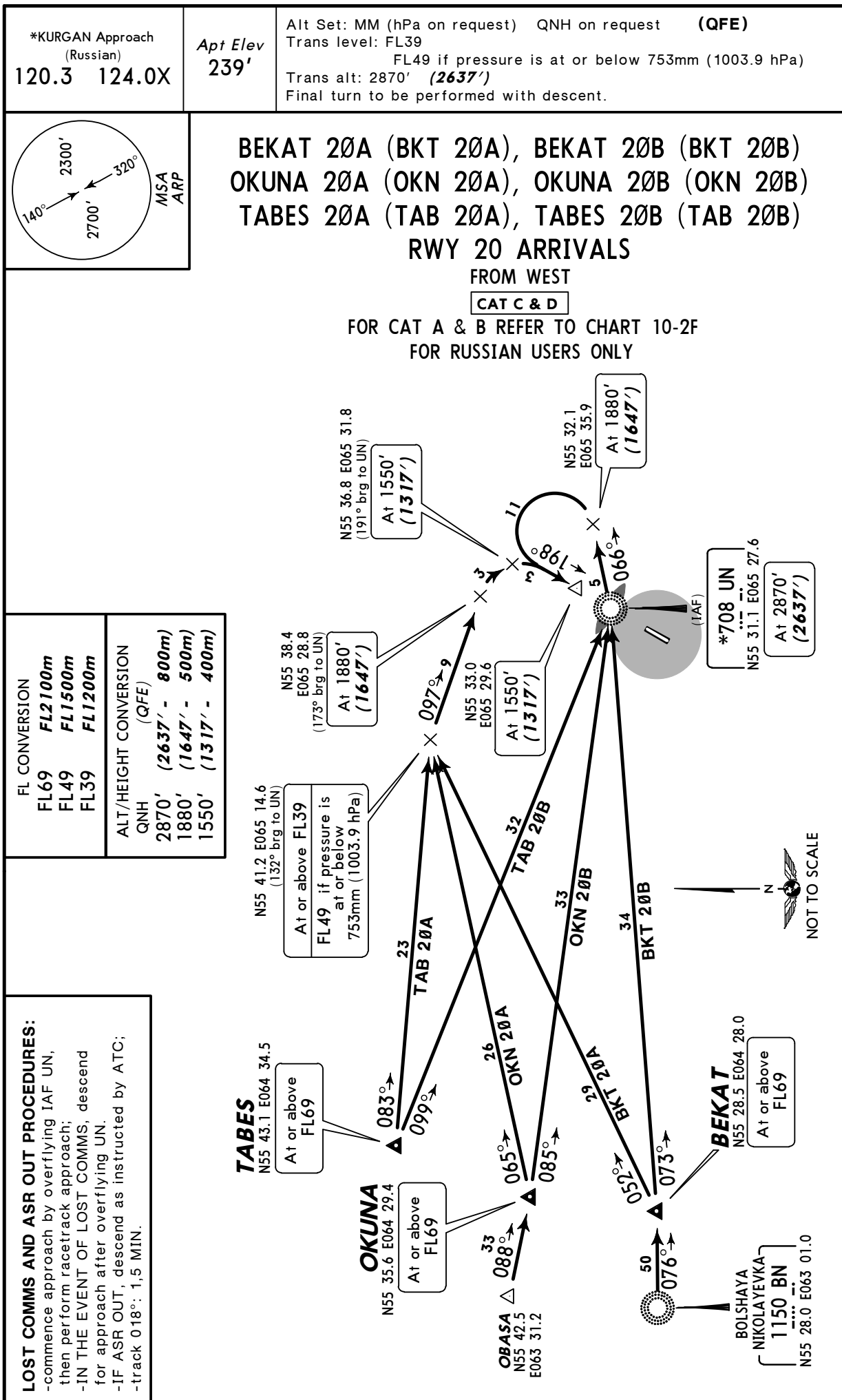
LOST COMMS AND ASR OUT PROCEDURES:

- commence approach by overflying IAF RD, then perform RIGHT hand racetrack approach;
- IN THE EVENT OF LOST COMMS, descend for approach after overflying RD.
- IF ASR OUT, descend as instructed by ATC.

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KURGAN

JEPPESSEN
 4 JUN 10 **10-2E**

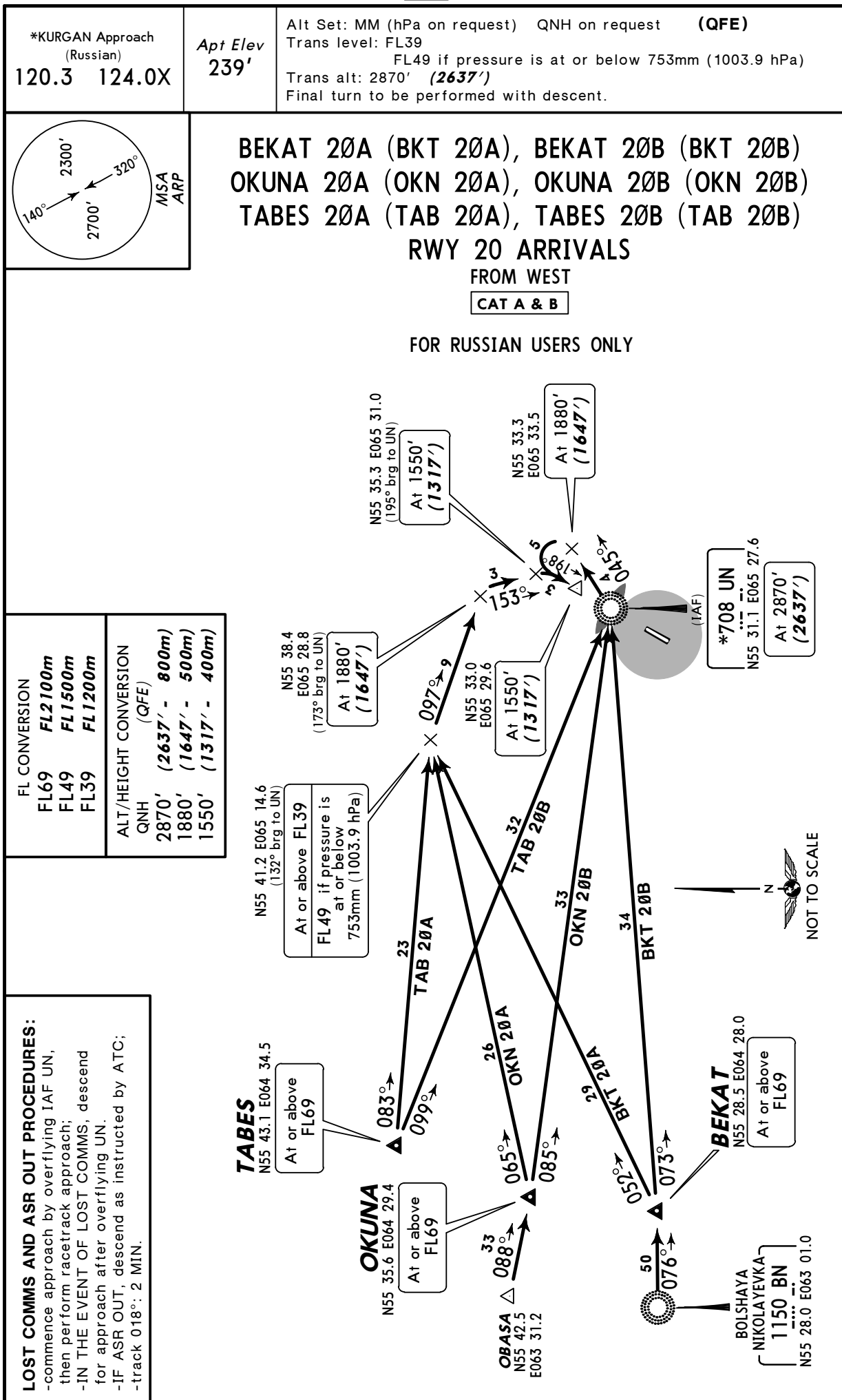
KURGAN, RUSSIA
STAR



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KURGAN

JEPPESSEN
4 JUN 10 **10-2F**

KURGAN, RUSSIA
STAR



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KURGAN

JEPPESEN
4 JUN 10 **10-3**

KURGAN, RUSSIA
SID

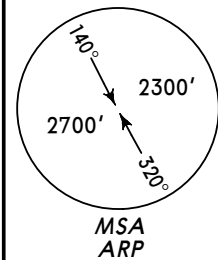
*KURGAN Approach
(Russian)
120.3 124.0X

Apt Elev
239'

QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is at or below 753mm (1003.9 hPa)
Trans alt: 2870' **(2633')**
Once airborne, ensure noise abatement while climbing to 2210' **(1973')**.

ARLAD Ø2C (ARL Ø2C), BAGER Ø2C (BAG Ø2C)
DONUS Ø2C (DON Ø2C), MILSU Ø2C (MLS Ø2C)
RWY 02 DEPARTURES
TO NORTH, EAST & SOUTH

FOR RUSSIAN USERS ONLY



BAGER

N56 00.7 E065 23.8

At or above
FL69

MILSU

N55 38.3 E066 19.4

At or above
FL69

RITOS

N55 55.1
E068 01.3

ABALI

N55 32.7
E068 01.3

ARLAD

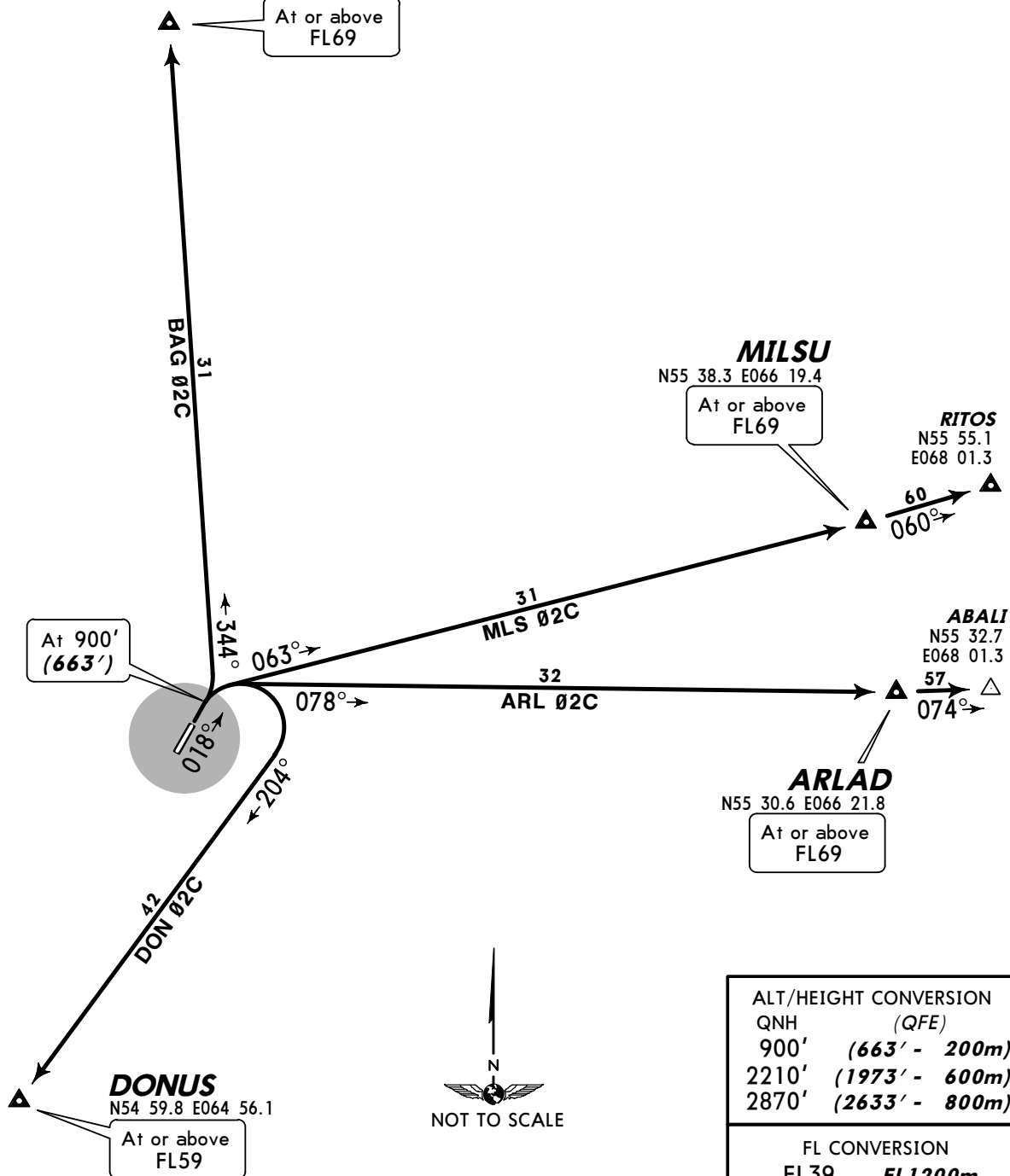
N55 30.6 E066 21.8

At or above
FL69

DONUS

N54 59.8 E064 56.1

At or above
FL59



ALT/HEIGHT CONVERSION

QNH	(QFE)
900'	(663' - 200m)
2210'	(1973' - 600m)
2870'	(2633' - 800m)

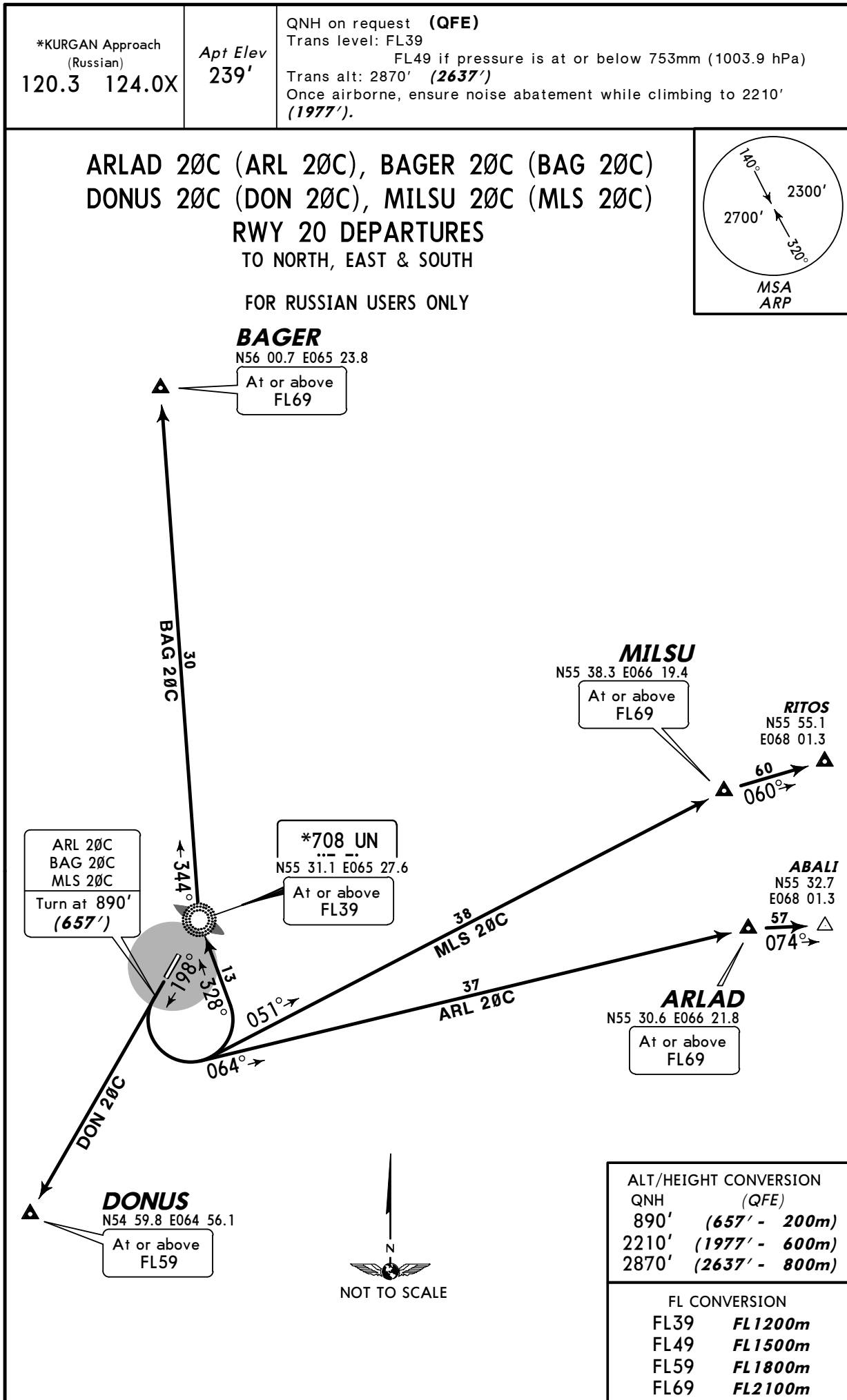
FL CONVERSION

FL39	FL 1200m
FL49	FL 1500m
FL59	FL 1800m
FL69	FL 2100m

USUU/KRO
KURGAN

JEPPESEN
4 JUN 10 **(10-3A)**

KURGAN, RUSSIA
SID



USUU/KRO
KURGAN

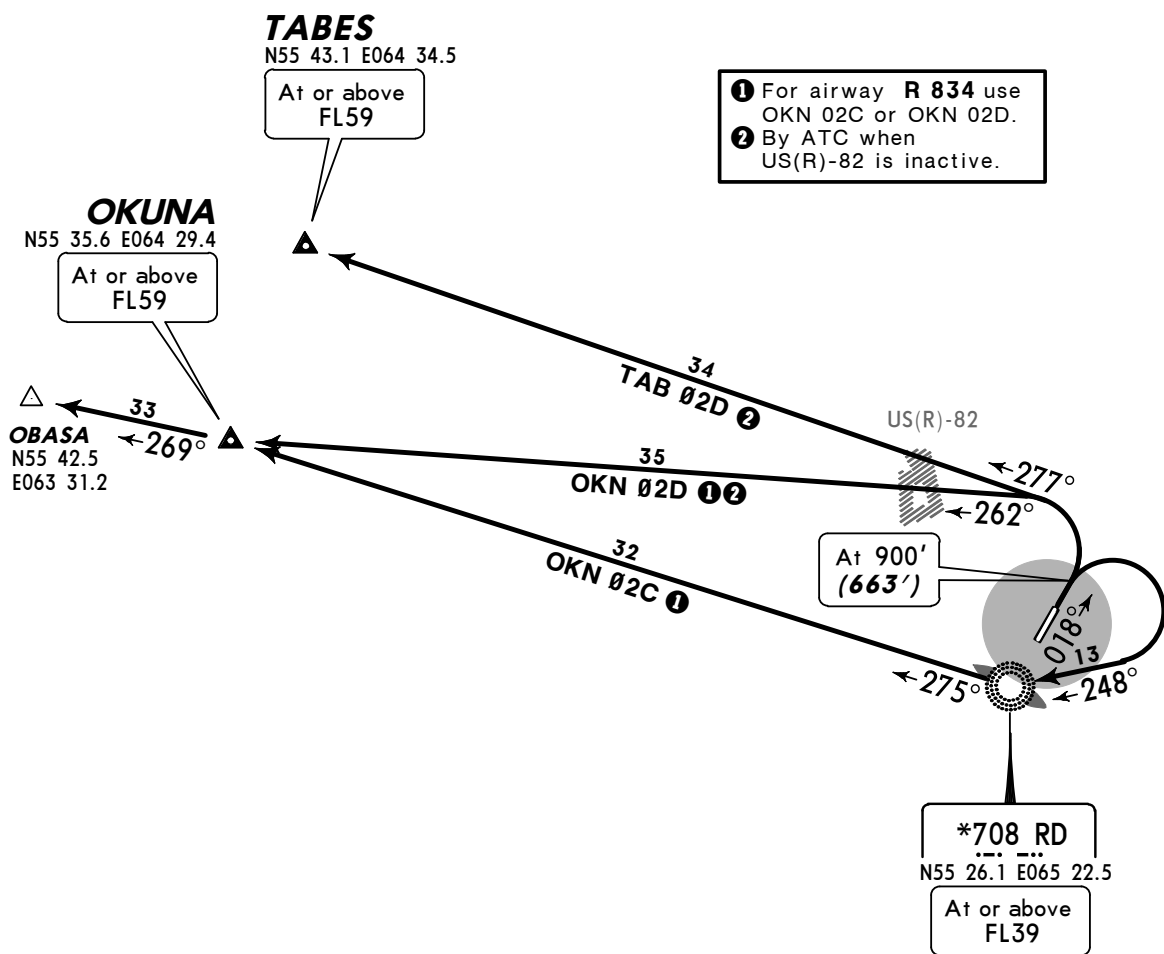
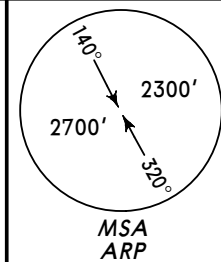
JEPPESEN
4 JUN 10 **(10-3B)**

KURGAN, RUSSIA
SID

*KURGAN Approach (Russian) 120.3 124.0X	<i>Apt Elev</i> 239'	QNH on request (QFE) Trans level: FL39 FL49 if pressure is at or below 753mm (1003.9 hPa) Trans alt: 2870' (2633') Once airborne, ensure noise abatement while climbing to 2210' (1973').
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OKUNA 02C (OKN 02C)① , OKUNA 02D (OKN 02D)①②
TABES 02D (TAB 02D)②
RWY 02 DEPARTURES
TO WEST

FOR RUSSIAN USERS ONLY



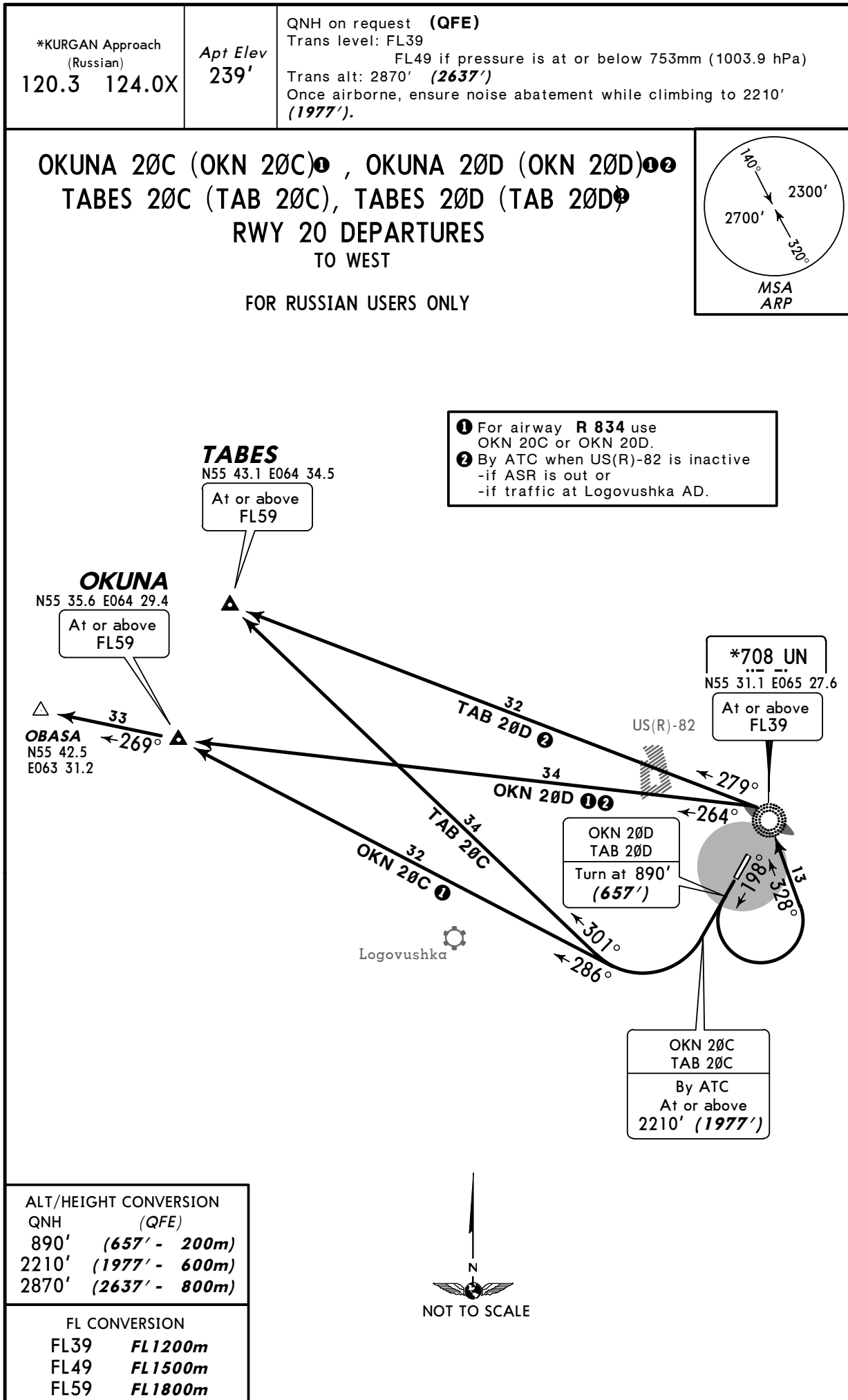
ALT/HEIGHT CONVERSION	
QNH	(QFE)
900'	(663' - 200m)
2210'	(1973' - 600m)
2870'	(2633' - 800m)

FL CONVERSION	
FL39	FL 1200m
FL49	FL 1500m
FL59	FL 1800m

USUU/KRO
KURGAN

JEPPESEN
4 JUN 10 **(10-3C)**

KURGAN, RUSSIA
SID



USUU/KRO
 Apt Elev **239'**
 N55 28.5 E065 25.0

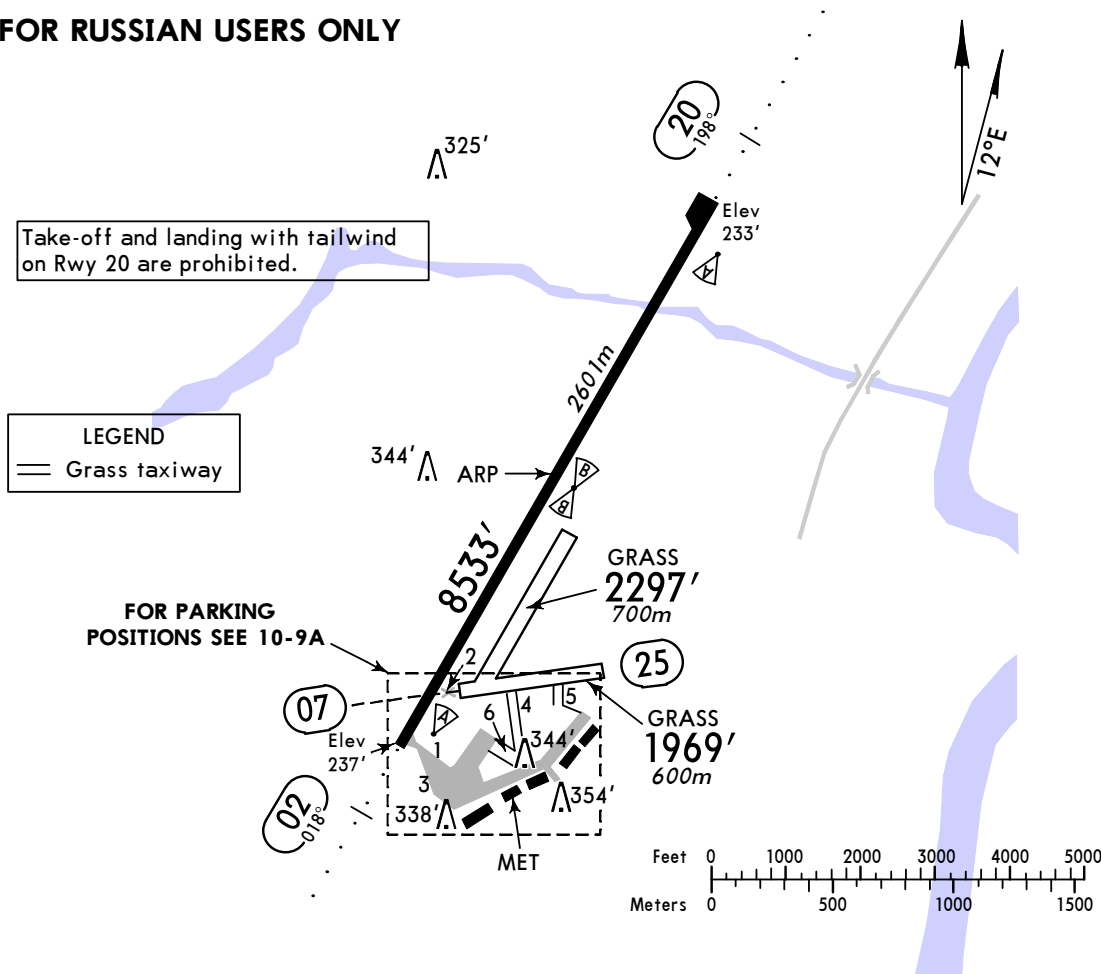
JEPPesen
 4 JUN 10 **(10-9)**

KURGAN, RUSSIA
 KURGAN

*KURGAN Tower (TWR/GND)

120.3 Russian only

FOR RUSSIAN USERS ONLY



ADDITIONAL RUNWAY INFORMATION

		ADDITIONAL RUNWAY INFORMATION				USABLE LENGTHS		TAKE-OFF	WIDTH
		LANDING BEYOND		Threshold	Glide Slope				
RWY		RL	ALS			PAPI (angle 3.00°)	RVR		
02	20	RL	ALS	PAPI (angle 2.67°)	RVR				138' 42m
02	20	Grass runway							230' 70m
07	25								197' 60m

TAKE-OFF

AIR CARRIER (JAA)
Main rwy 02/20

LVP must be in force
 RCLM (DAY only)
 or RL

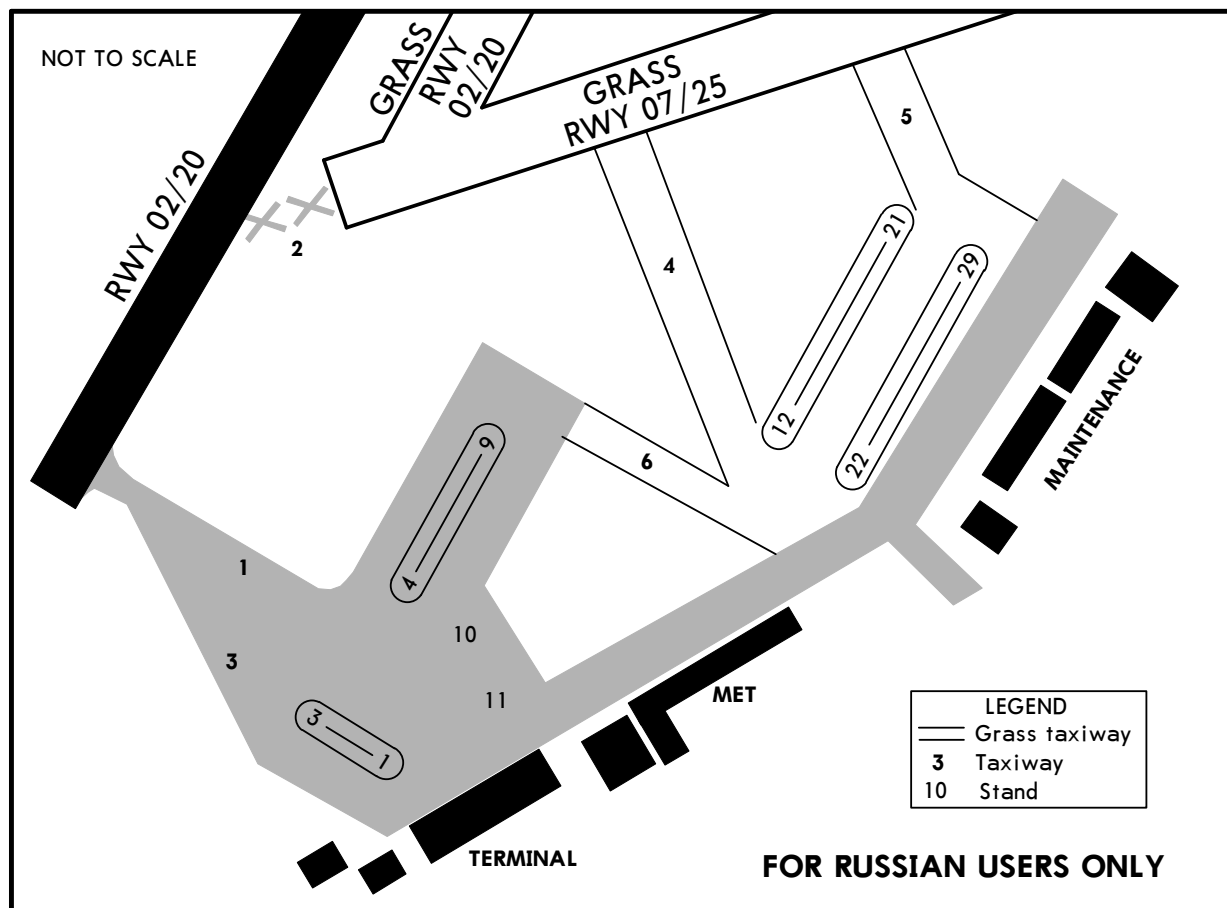
RCLM (DAY only)
 or RL

A		
B	250m	400m
C		
D	300m	

USUU/KRO

JEPPESEN
4 JUN 10 (10-9A)

KURGAN, RUSSIA
KURGAN

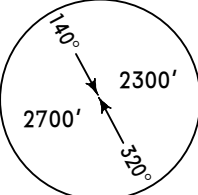


USUU/KRO
KURGAN

JEPPESSEN
4 JUN 10 (11-2)

KURGAN, RUSSIA
ILS or 2 NDB Rwy 20

BRIEFING STRIP

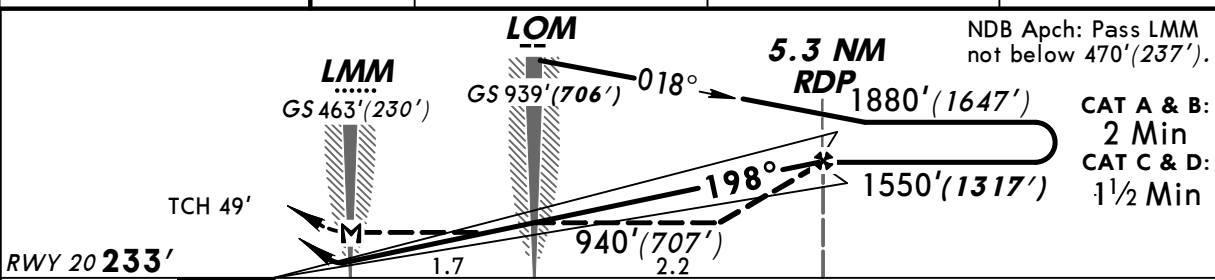
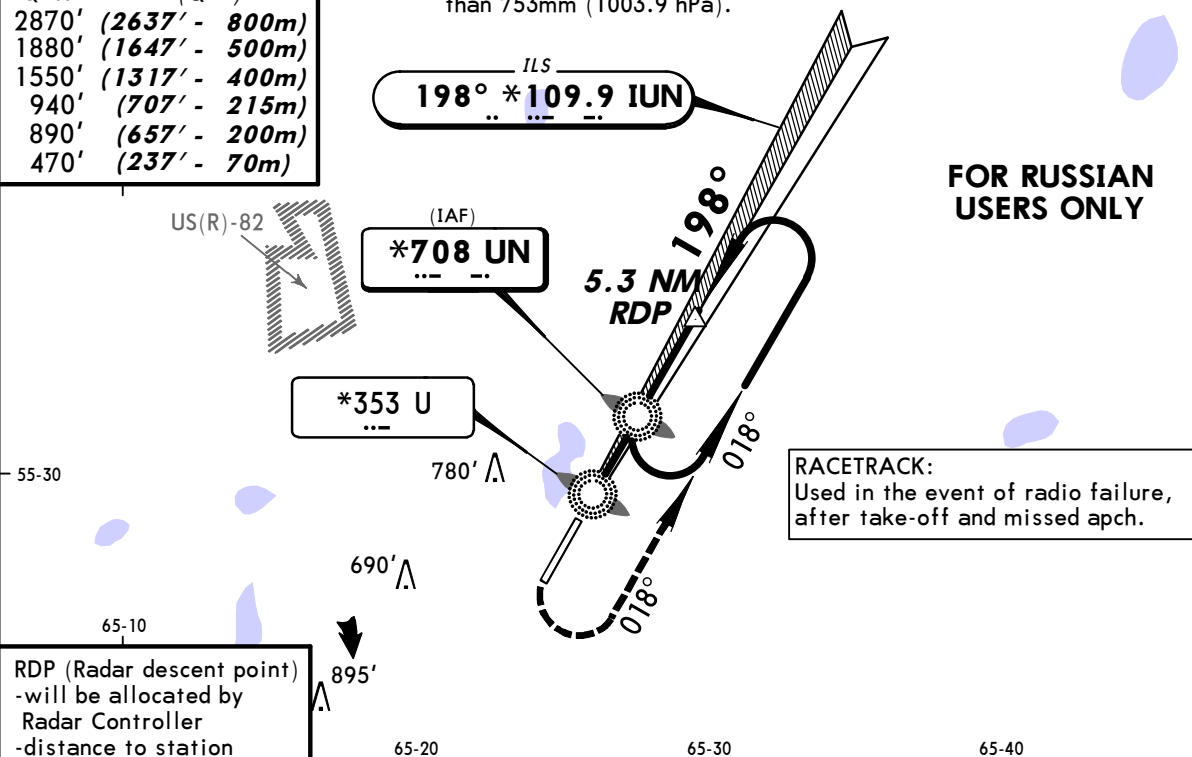
*KURGAN Approach (ASR) Russian only 120.3 124.0X				*KURGAN Tower (TWR/GND) 120.3 Russian only	
LOC IUN *109.9	Final Aptch Crs 198°	GS LOM 939' (706')	ILS DA(H) Refer to Minimums	Apt Elev 239' RWY 233'	
NDB UN *708		Minimum Alt 5.3 NM RDP 1550' (1317')	NDB MDA(H) 570' (337')		
MISSED APCH: Climb to 890' (657'), then turn LEFT onto 018° climbing to 1880' (1647'), then proceed with racetrack, or as directed.					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 39 1 Trans alt: 2870' (2637')					

ALT/HEIGHT CONVERSION

QNH	(QFE)
2870' (2637' - 800m)	
1880' (1647' - 500m)	
1550' (1317' - 400m)	
940' (707' - 215m)	
890' (657' - 200m)	
470' (237' - 70m)	

55-40

1 FL 49, if pressure is less than 753mm (1003.9 hPa).



Gnd speed-Kts	70	90	100	120	140	160	PAPI ALS			890' (657')	018°	1880' (1647')
GS	2.67°	336	432	480	576	671				↑	LT	↑
MAP at LMM												

STRAIGHT-IN LANDING RWY 20					
ILS		LOC (GS out)	2 NDB		U LMM
DA(H)	AB: 433' (200')		MDA(H) 570' (337')	UN LOM	MDA(H)
FULL	CD: 463' (230')			AB: 890' (657')	AB: 890' (657')
ALS out				CD: 1060' (827')	CD: 1220' (987')
A	1200m		RVR 1500m VIS 1600m		RVR 1500m VIS 1600m
B					
C					4000m
D					4400m
					4800m

PANS OPS