

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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No revision activity since Disc 04-2011

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

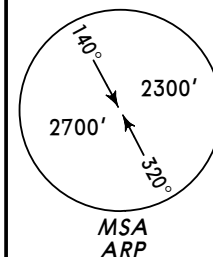
*KURGAN Approach
(Russian)
120.3 124.0X

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

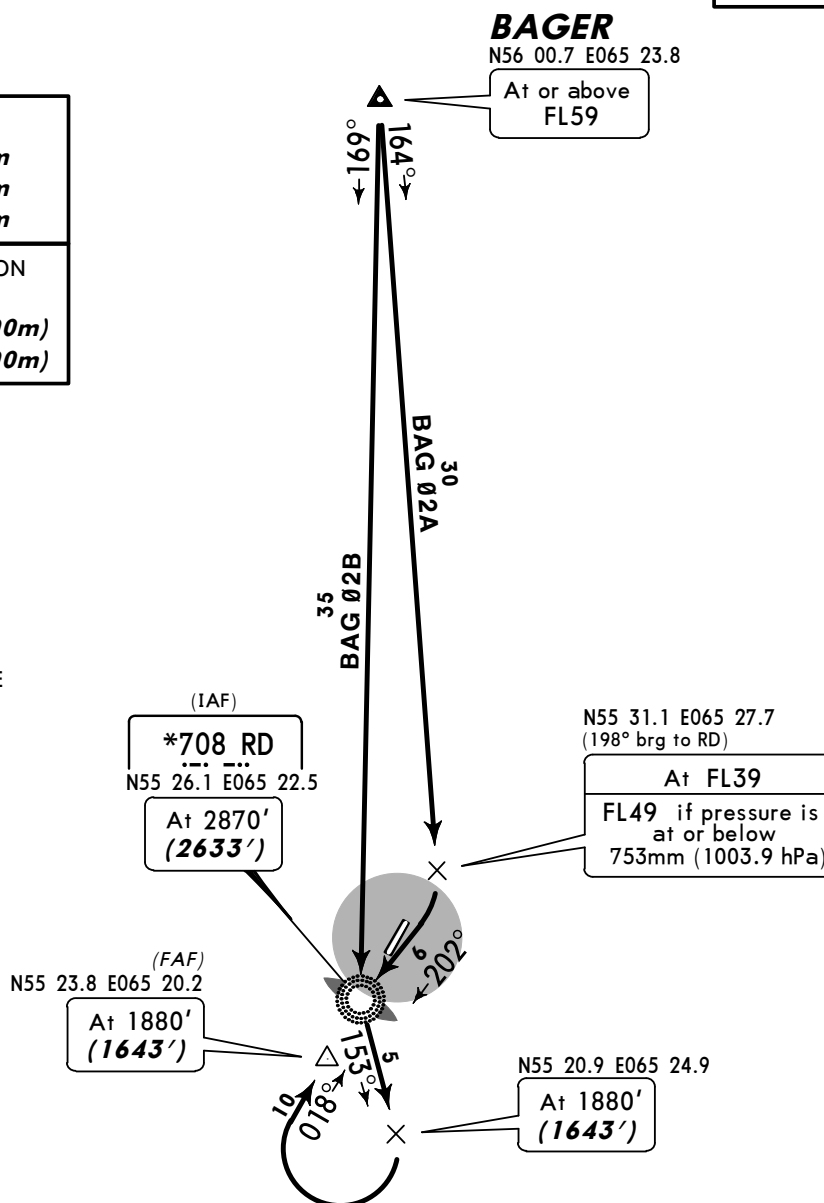


FL CONVERSION

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

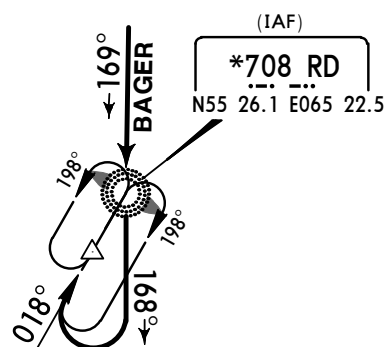
ALT/HEIGHT CONVERSION

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)**

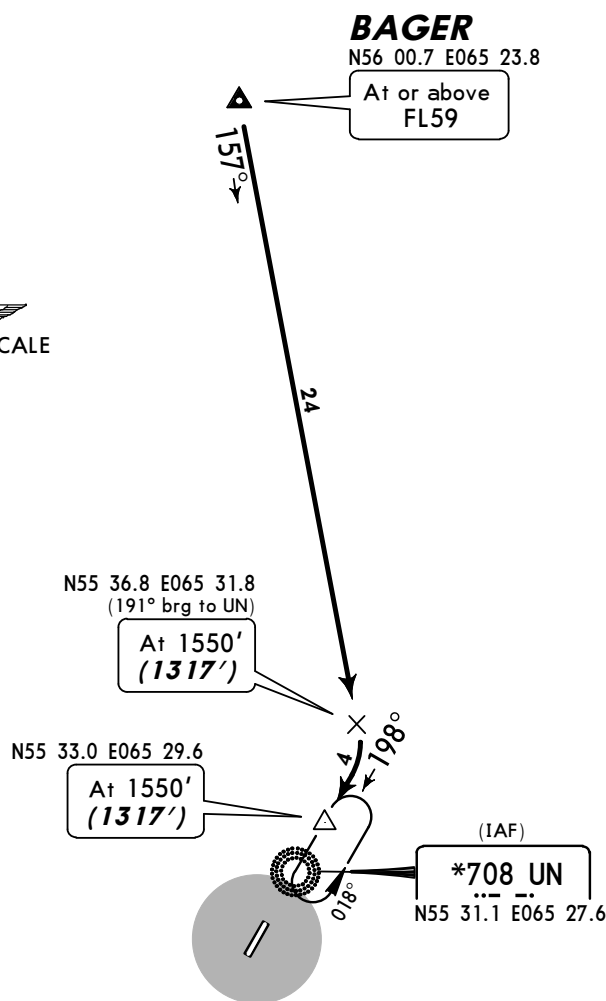
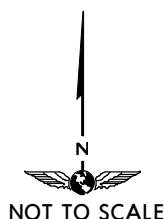
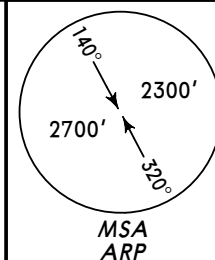
KURGAN, RUSSIA
STAR

*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

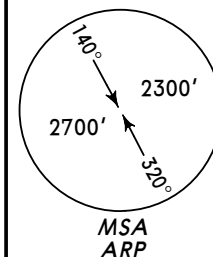
Apt Elev
239'

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')**

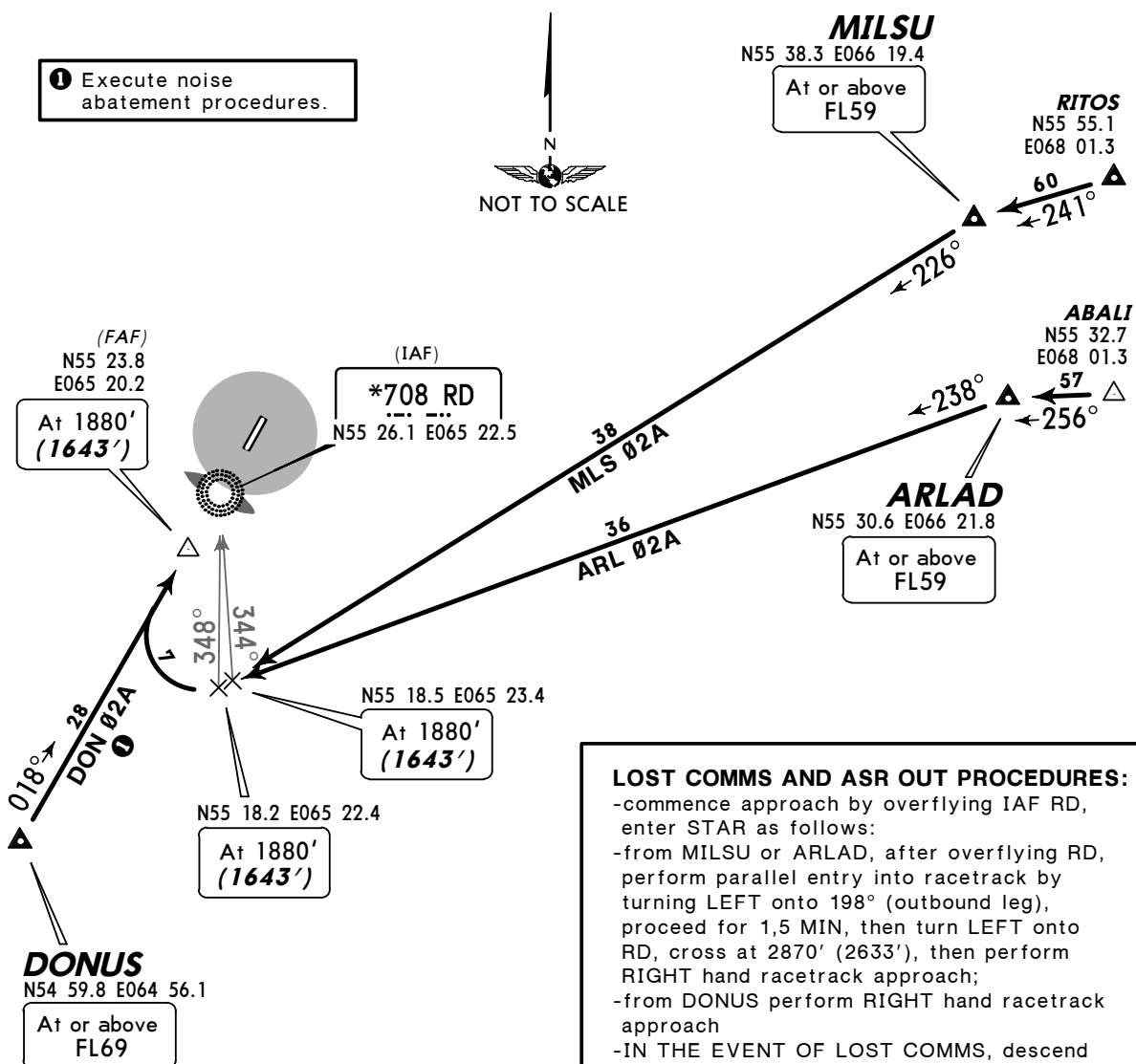
ARLAD Ø2A (ARL Ø2A)
DONUS Ø2A (DON Ø2A)①, MILSU Ø2A (MLS Ø2A)
RWY 02 ARRIVALS
FROM EAST & SOUTH

CAT C & D

FOR RUSSIAN USERS ONLY

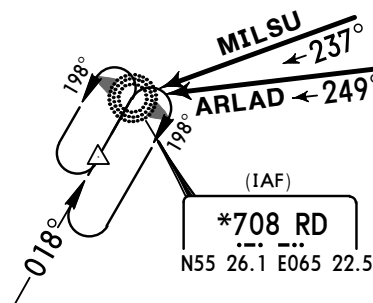


① Execute noise abatement procedures.



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)**

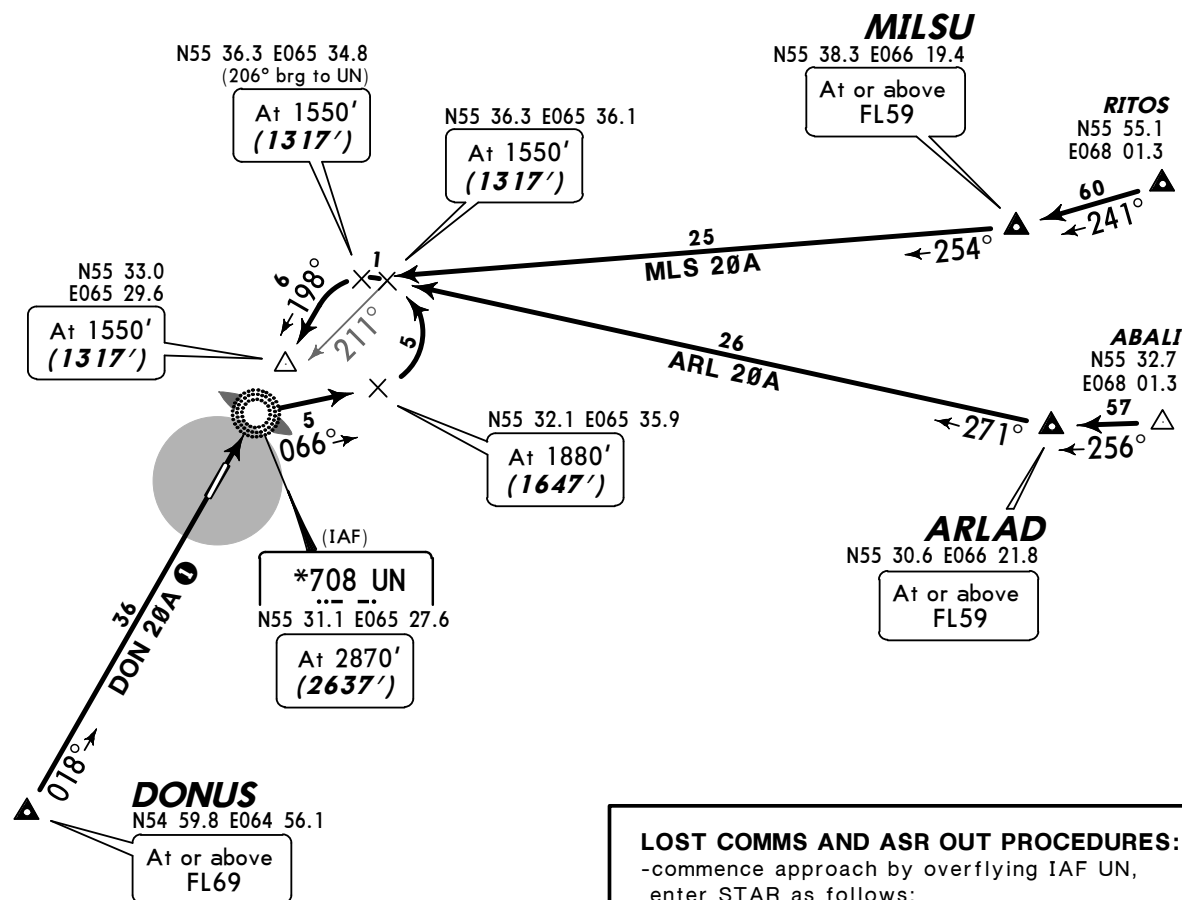
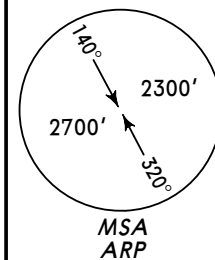
KURGAN, RUSSIA
STAR

*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.

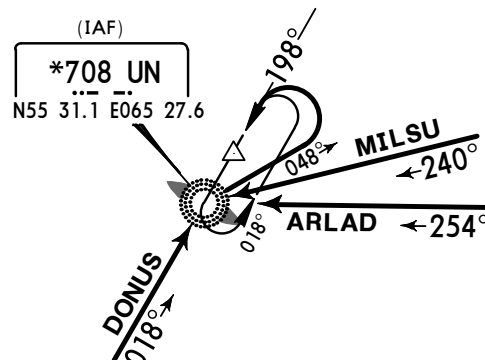
ARLAD 20A (ARL 20A)
DONUS 20A (DON 20A)①, MILSU 20A (MLS 20A)
RWY 20 ARRIVALS
FROM EAST & SOUTH
FOR RUSSIAN USERS ONLY



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

JEPPESEN
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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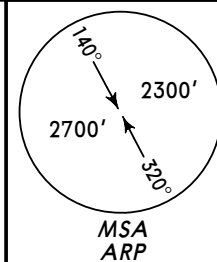
BEKAT Ø2A (BKT Ø2A), BEKAT Ø2B (BKT Ø2B) ①
OKUNA Ø2A (OKN Ø2A), OKUNA Ø2B (OKN Ø2B) ①
TABES Ø2A (TAB Ø2A), TABES Ø2B (TAB Ø2B) ①

RWY 02 ARRIVALS

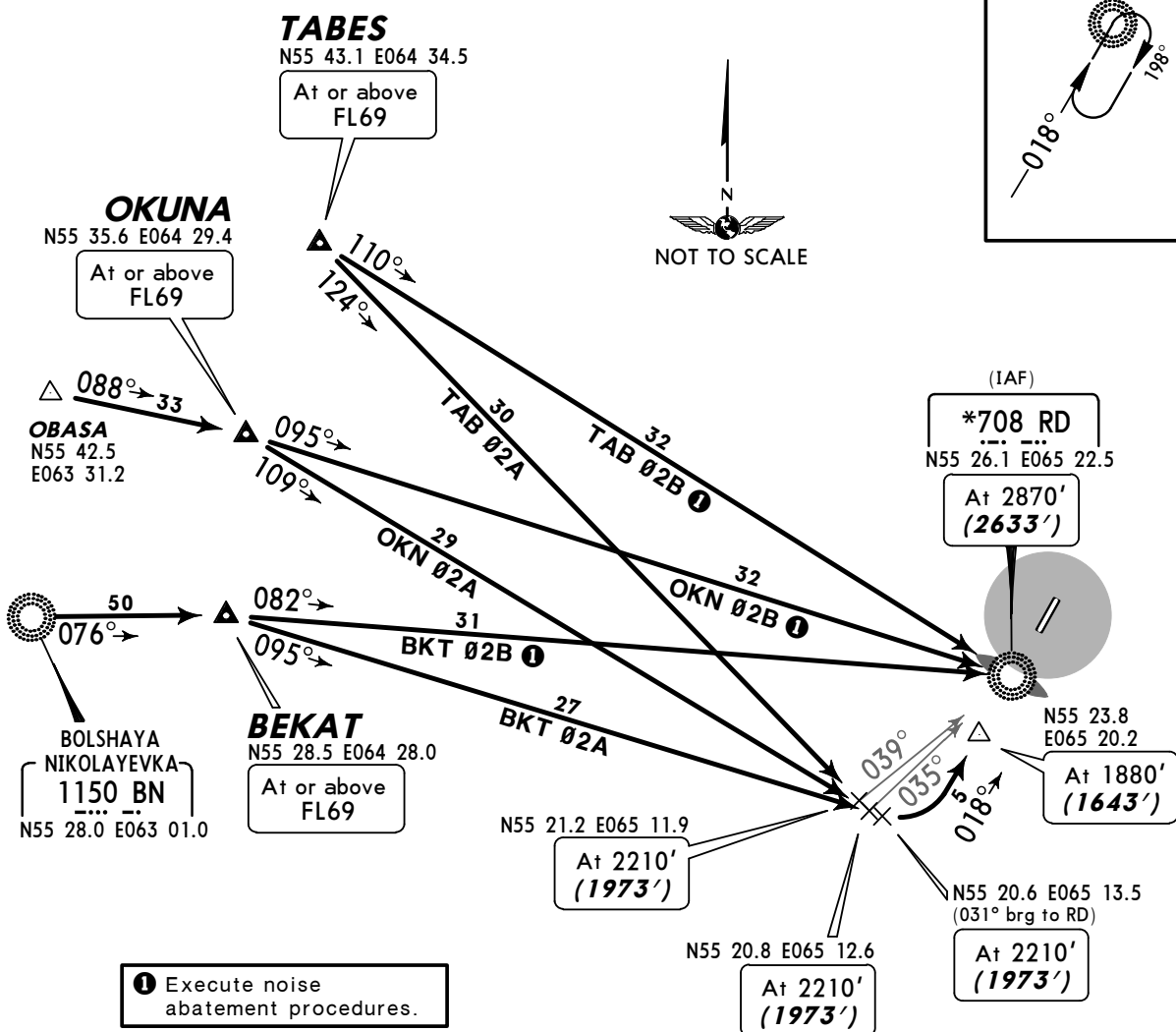
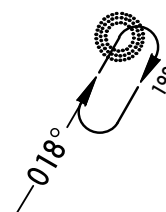
FROM WEST

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.

USUU/KRO
KURGAN

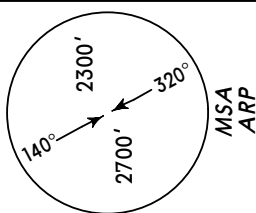
JEPPESSEN
4 JUN 10 **10-2E**

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.



BEKAT 20A (BKT 20A), BEKAT 20B (BKT 20B)
OKUNA 20A (OKN 20A), OKUNA 20B (OKN 20B)
TABES 20A (TAB 20A), TABES 20B (TAB 20B)

RWY 20 ARRIVALS

FROM WEST

CAT C & D

FOR CAT A & B REFER TO CHART 10-2F
FOR RUSSIAN USERS ONLY

FL CONVERSION

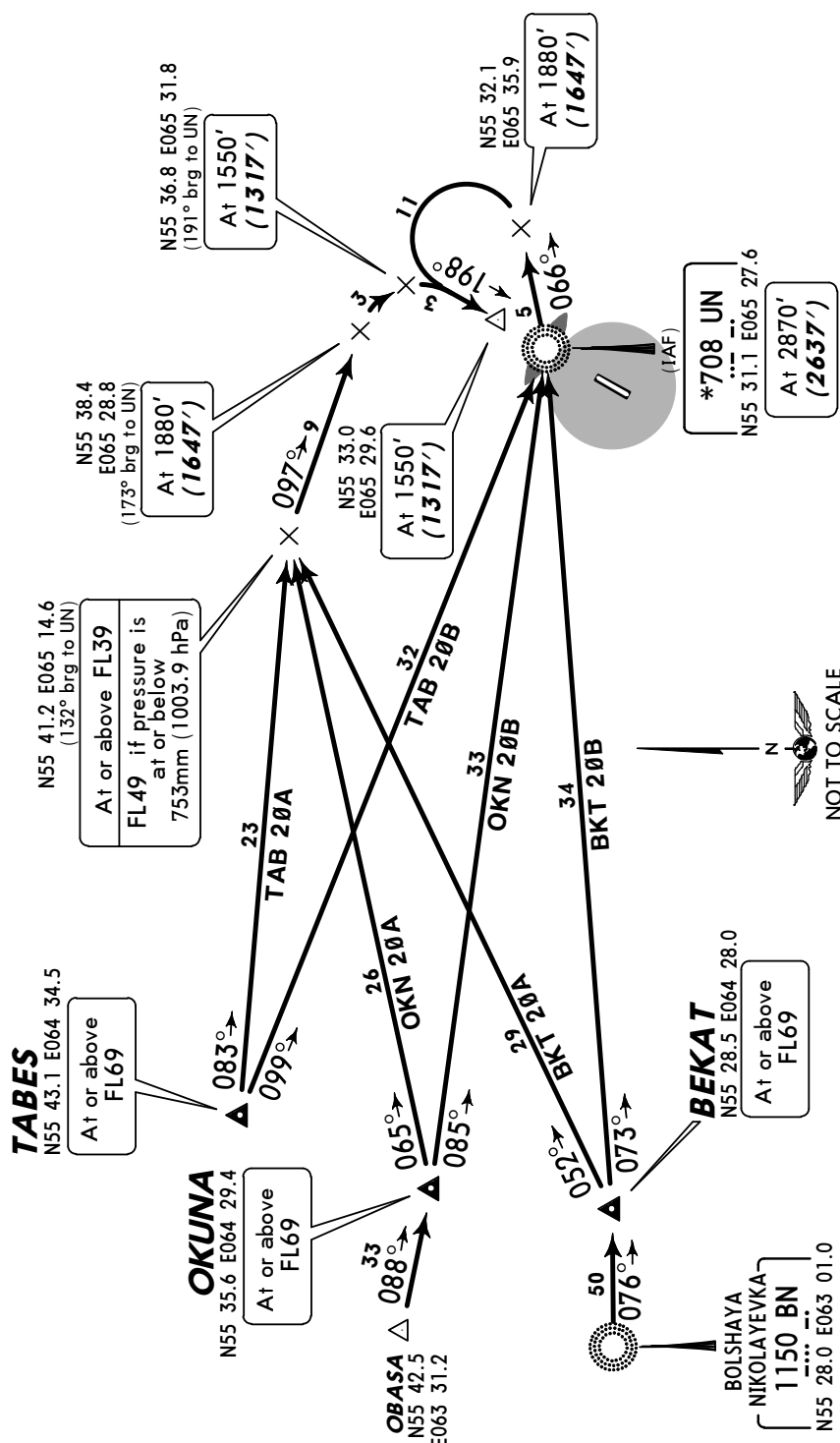
FL69 **FL2100m**
FL49 **FL1500m**
FL39 **FL1200m**

ALT/HEIGHT CONVERSION

QNH **(QFE)**
2870' **(2637' - 800m)**
1880' **(1647' - 500m)**
1550' **(1317' - 400m)**

LOST COMMS AND ASR OUT PROCEDURES:

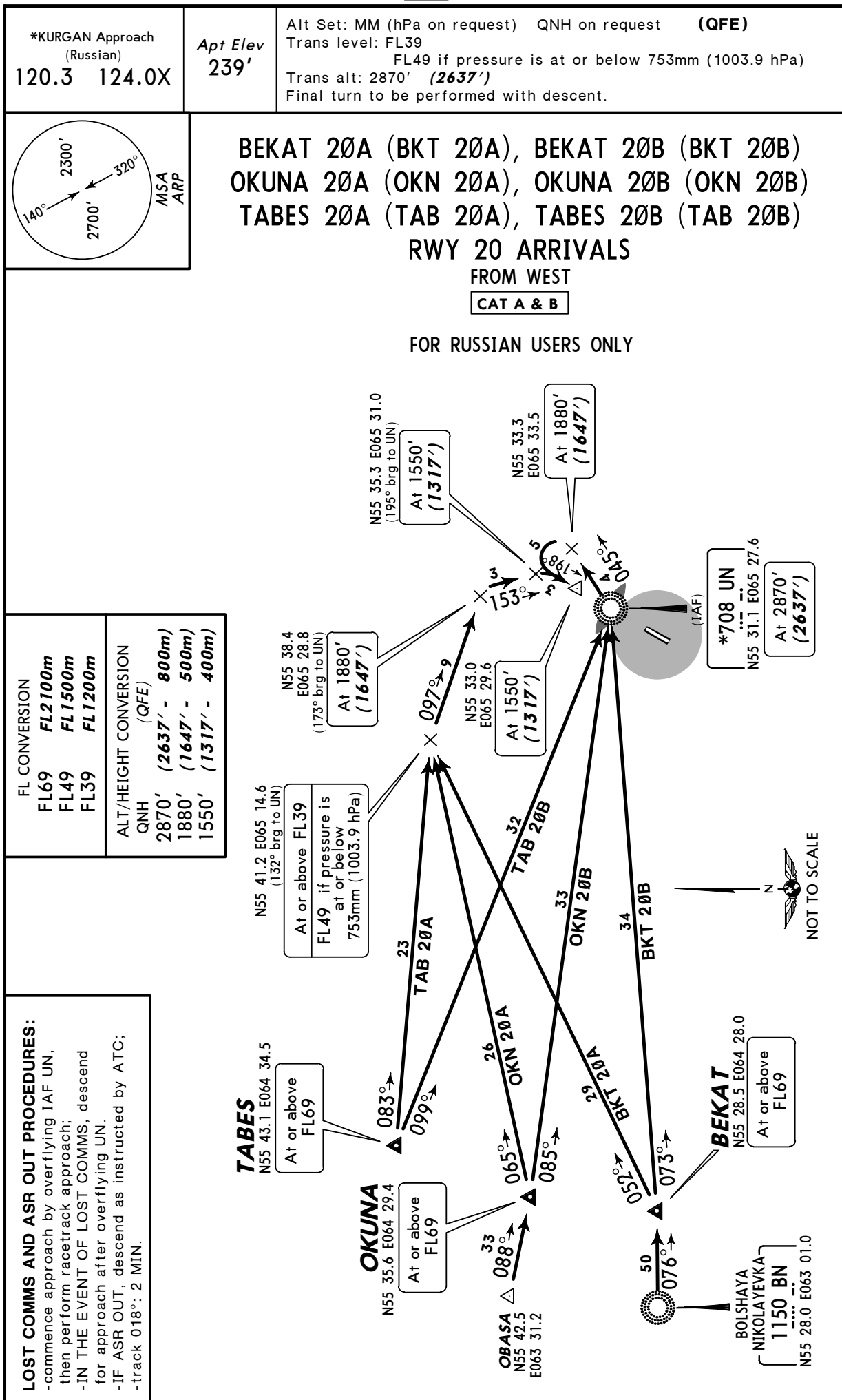
- commence approach by overflying IAF UN,
- then perform racetrack approach;
- IN THE EVENT OF LOST COMMS, descend for approach after overflying UN.
- IF ASR OUT, descend as instructed by ATC;
- track 018°: 1.5 MIN.



USUU/KRO
KURGAN

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

KURGAN, RUSSIA
STAR



USUU/KRO
KURGAN

JEPPESEN
4 JUN 10 **10-3**

KURGAN, RUSSIA
SID

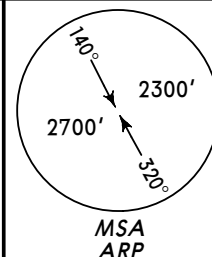
*KURGAN Approach
(Russian)
120.3 124.0X

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

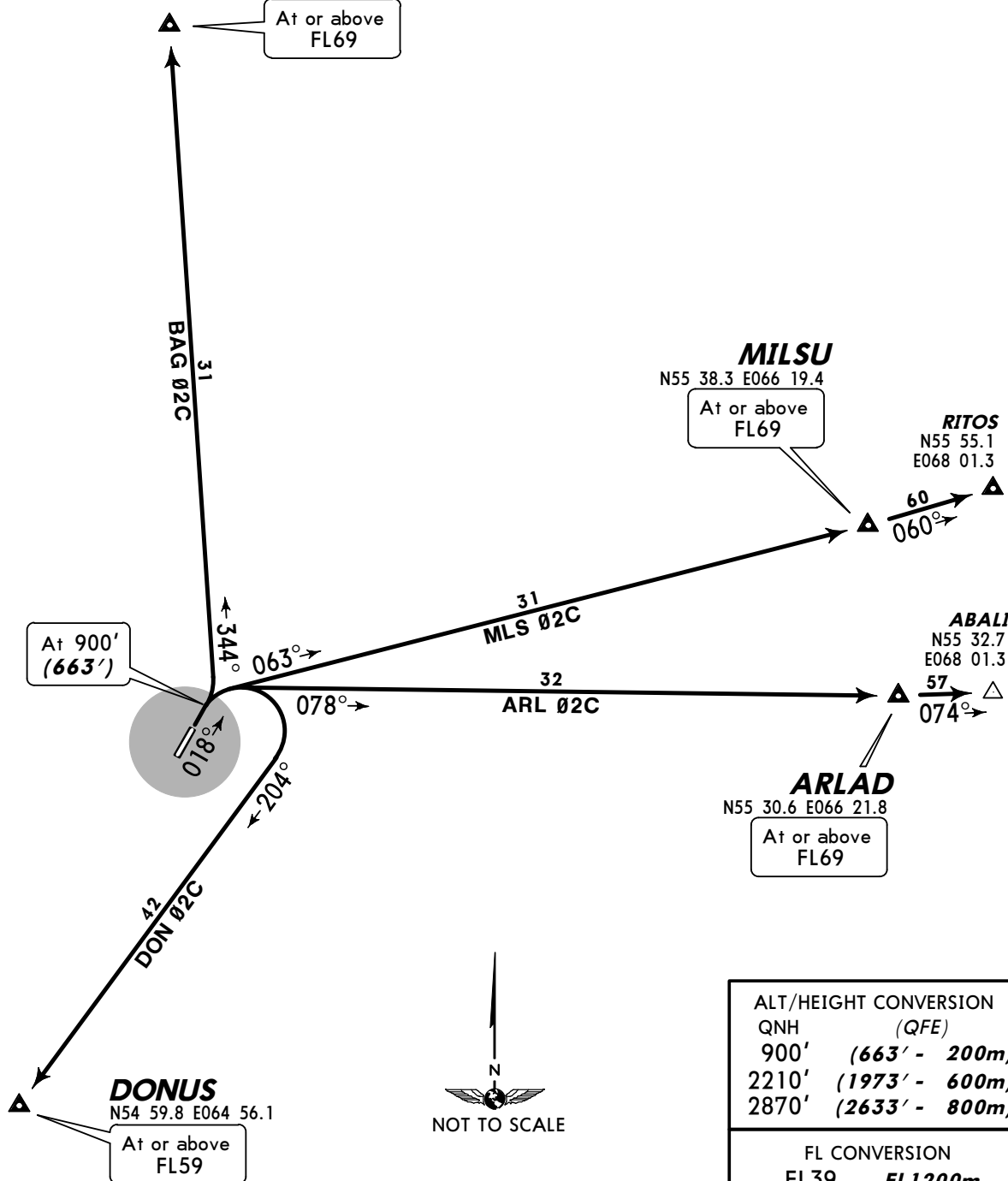
N55 30.6 E066 21.8

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

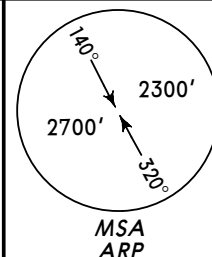
*KURGAN Approach
(Russian)
120.3 124.0X

Apt Elev
239'

QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is at or below 753mm (1003.9 hPa)
Trans alt: 2870' **(2637')**
Once airborne, ensure noise abatement while climbing to 2210' **(1977')**.

ARLAD 20C (ARL 20C), BAGER 20C (BAG 20C)
DONUS 20C (DON 20C), MILSU 20C (MLS 20C)
RWY 20 DEPARTURES
TO NORTH, EAST & SOUTH

FOR RUSSIAN USERS ONLY



BAGER

N56 00.7 E065 23.8

At or above
FL69



BAG 20C
30

344°

ARL 20C
BAG 20C
MLS 20C

Turn at 890'
(657')

*708 UN

N55 31.1 E065 27.6

At or above
FL39



13

328°

051°

064°

MILSU

N55 38.3 E066 19.4

At or above
FL69



RITOS

N55 55.1
E068 01.3

60

060°

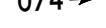


ABALI

N55 32.7
E068 01.3

57

074°



ARLAD

N55 30.6 E066 21.8

At or above
FL69



DON 20C

DONUS

N54 59.8 E064 56.1

At or above
FL59



NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	(QFE)
890'	(657' - 200m)
2210'	(1977' - 600m)
2870'	(2637' - 800m)

FL CONVERSION

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

USUU/KRO
KURGAN

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

KURGAN, RUSSIA
SID

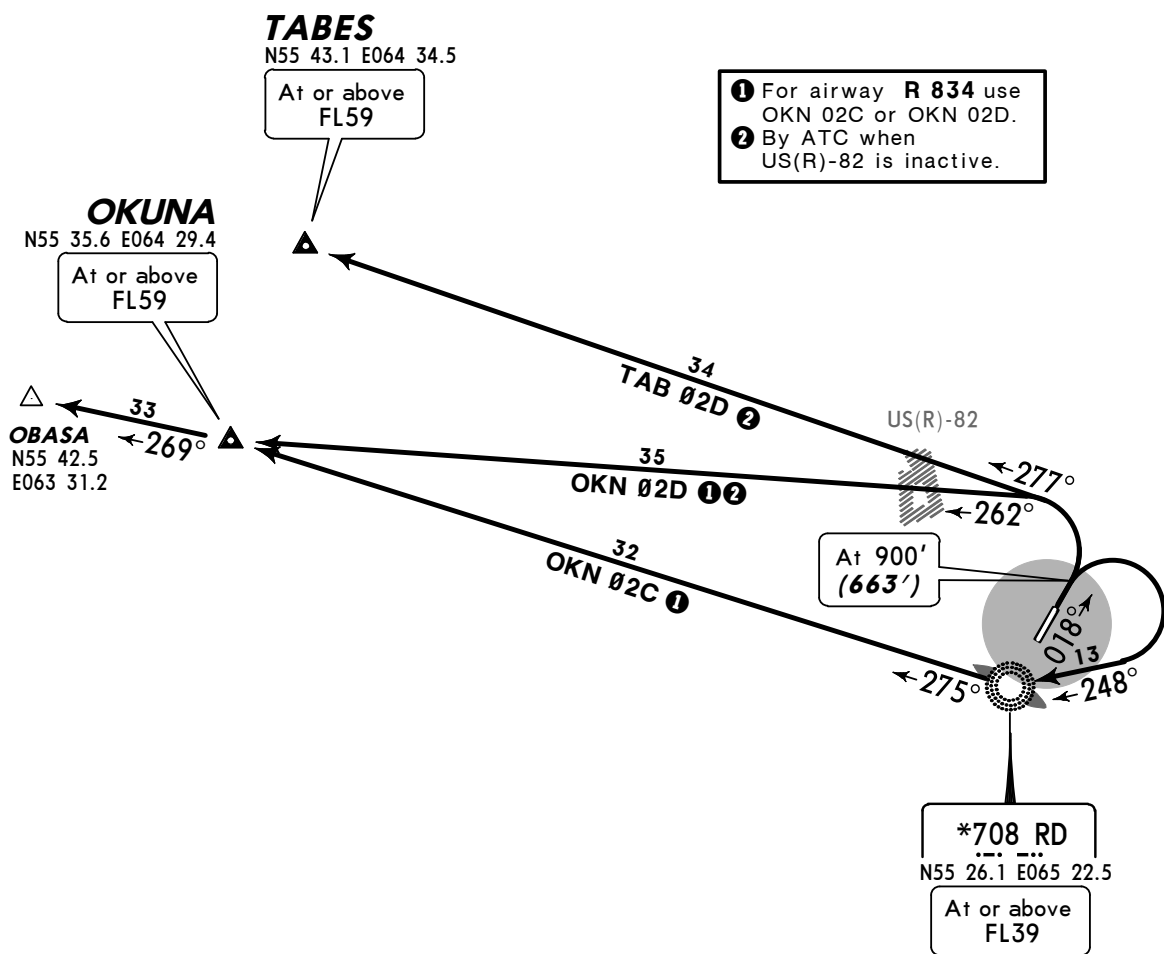
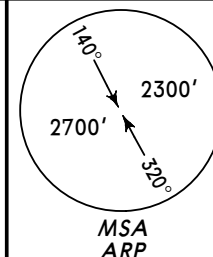
*KURGAN Approach
(Russian)
120.3 124.0X

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')**.

OKUNA Ø2C (OKN Ø2C)① , OKUNA Ø2D (OKN Ø2D)①②
TABES Ø2D (TAB Ø2D)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

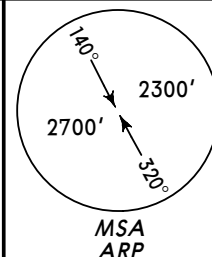
*KURGAN Approach
(Russian)
120.3 124.0X

Apt Elev
239'

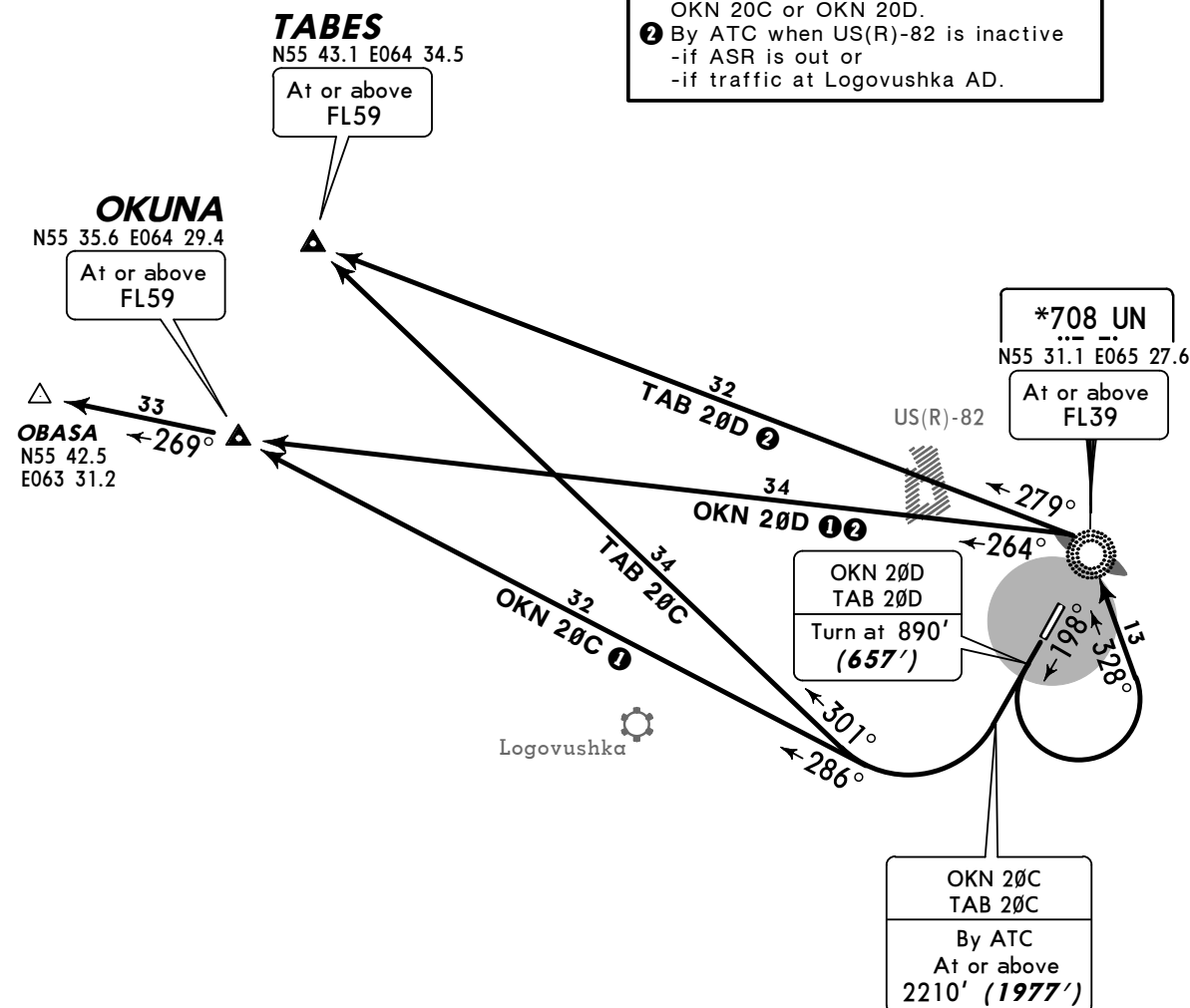
QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is at or below 753mm (1003.9 hPa)
Trans alt: 2870' **(2637')**
Once airborne, ensure noise abatement while climbing to 2210' **(1977')**.

OKUNA 20C (OKN 20C)①, OKUNA 20D (OKN 20D)①②
TABES 20C (TAB 20C), TABES 20D (TAB 20D)②
RWY 20 DEPARTURES
TO WEST

FOR RUSSIAN USERS ONLY



- ① For airway **R 834** use
OKN 20C or OKN 20D.
- ② By ATC when US(R)-82 is inactive
-if ASR is out or
-if traffic at Logovushka AD.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
890'	(657' - 200m)
2210'	(1977' - 600m)
2870'	(2637' - 800m)

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



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

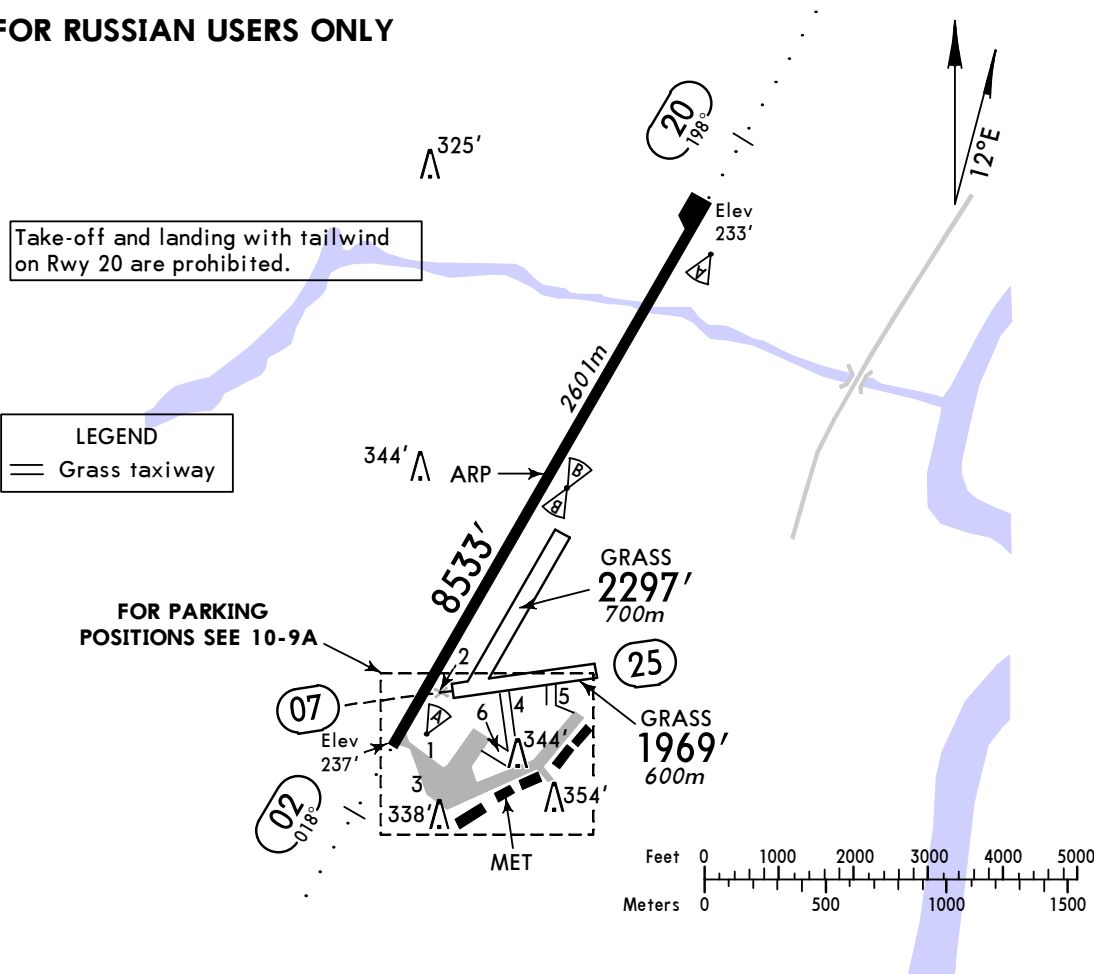
JEPPESSEN
 4 JUN 10 **(10-9)**

KURGAN, RUSSIA
 KURGAN

*KURGAN Tower (TWR/GND)

120.3 Russian only

FOR RUSSIAN USERS ONLY



ADDITIONAL RUNWAY INFORMATION

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

TAKE-OFF

AIR CARRIER (JAA)
Main rwy 02/20

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

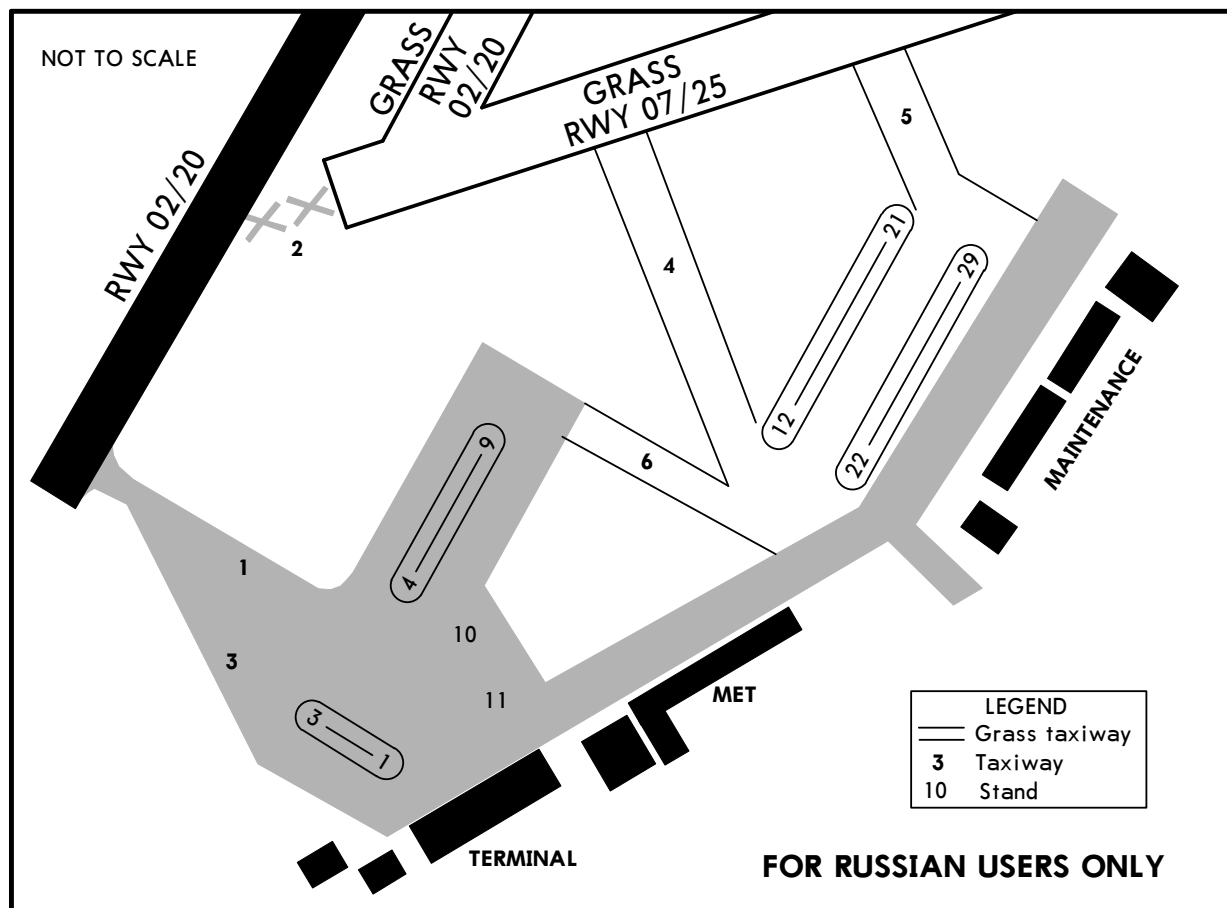
RCLM (DAY only)
 or RL

A		
B	250m	400m
C		
D	300m	

USUU/KRO

JEPPESEN
4 JUN 10 (10-9A)

KURGAN, RUSSIA
KURGAN

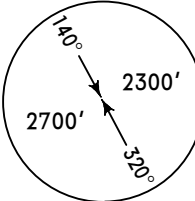


USUU/KRO
KURGAN

JEPPESSEN
4 JUN 10 (11-2)

KURGAN, RUSSIA
ILS or 2 NDB Rwy 20

BRIEFING STRIP

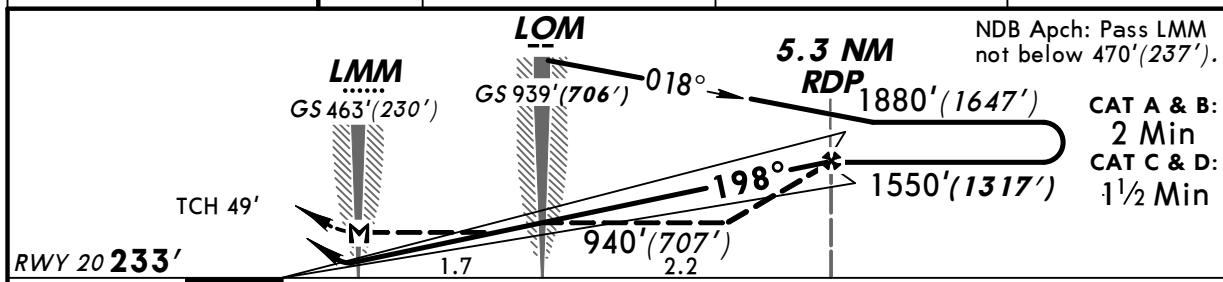
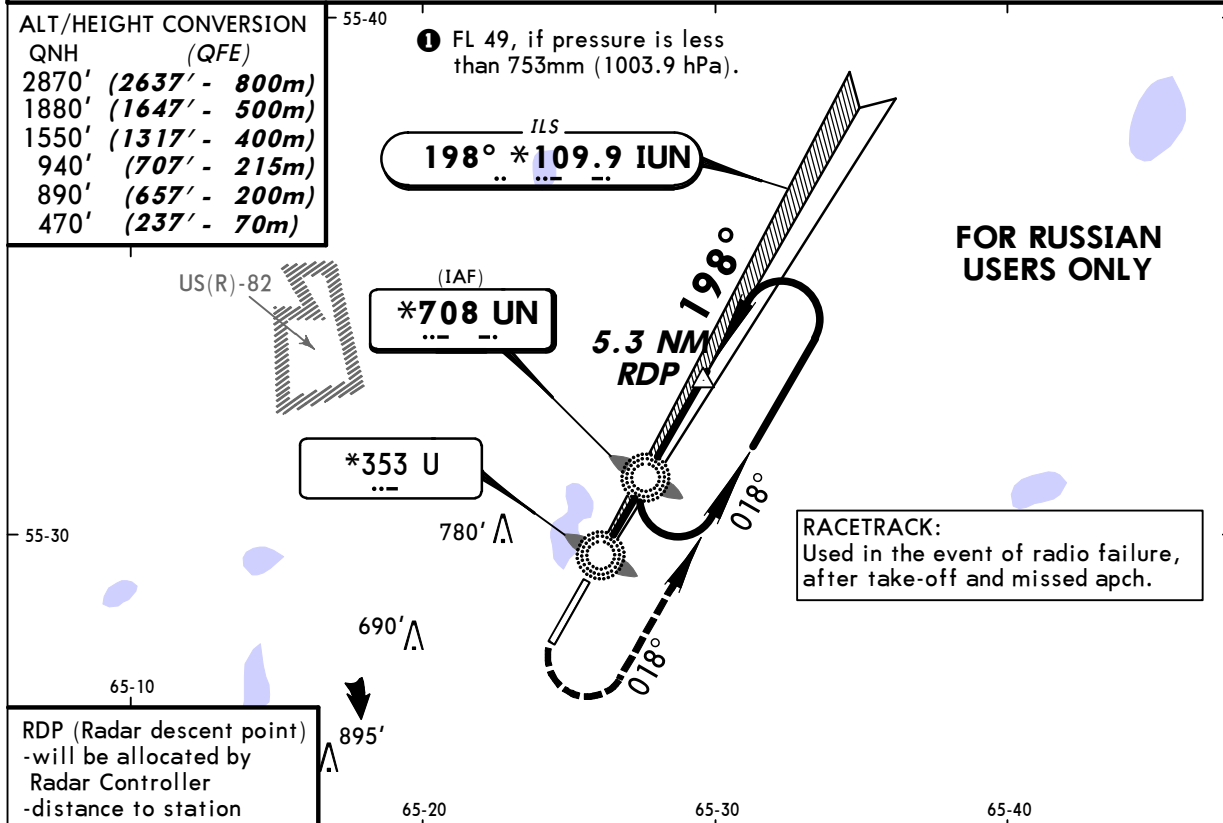
*KURGAN Approach (ASR) Russian only 120.3 124.0X				*KURGAN Tower (TWR/GND) 120.3 Russian only		
LOC IUN *109.9	Final Aptch Crs 198°	GS LOM 939' (706')	ILS DA(H) Refer to Minimums	Apt Elev 239' RWY 233'		
NDB UN *708		Minimum Alt 5.3 NM RDP 1550' (1317')	NDB MDA(H) 570' (337')			
MISSED APCH: Climb to 890' (657'), then turn LEFT onto 018° climbing to 1880' (1647'), then proceed with racetrack, or as directed.						MSA ARP
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	890' (657')	018°	1880' (1647')
GS	2.67°	336	432	480	576	671	767				
MAP at LMM											

STRAIGHT-IN LANDING RWY 20									
ILS			LOC (GS out)	2 NDB		UN LOM MDA(H)		U LMM MDA(H)	
AB: 433'(200')						AB: 890'(657')		AB: 890'(657')	
CD: 463'(230')				MDA(H) 570'(337')		CD: 1060'(827')		CD: 1220'(987')	
FULL		ALS out		ALS out		ALS out		ALS out	
A	1200m			NOT AUTH	RVR 1500m VIS 1600m	RVR 1500m VIS 1600m		RVR 1500m VIS 1600m	
B									
C						4000m		4800m	
D						4400m			

PANS OPS