

UWWW/KUF
KURUMOCH

JEPPesen

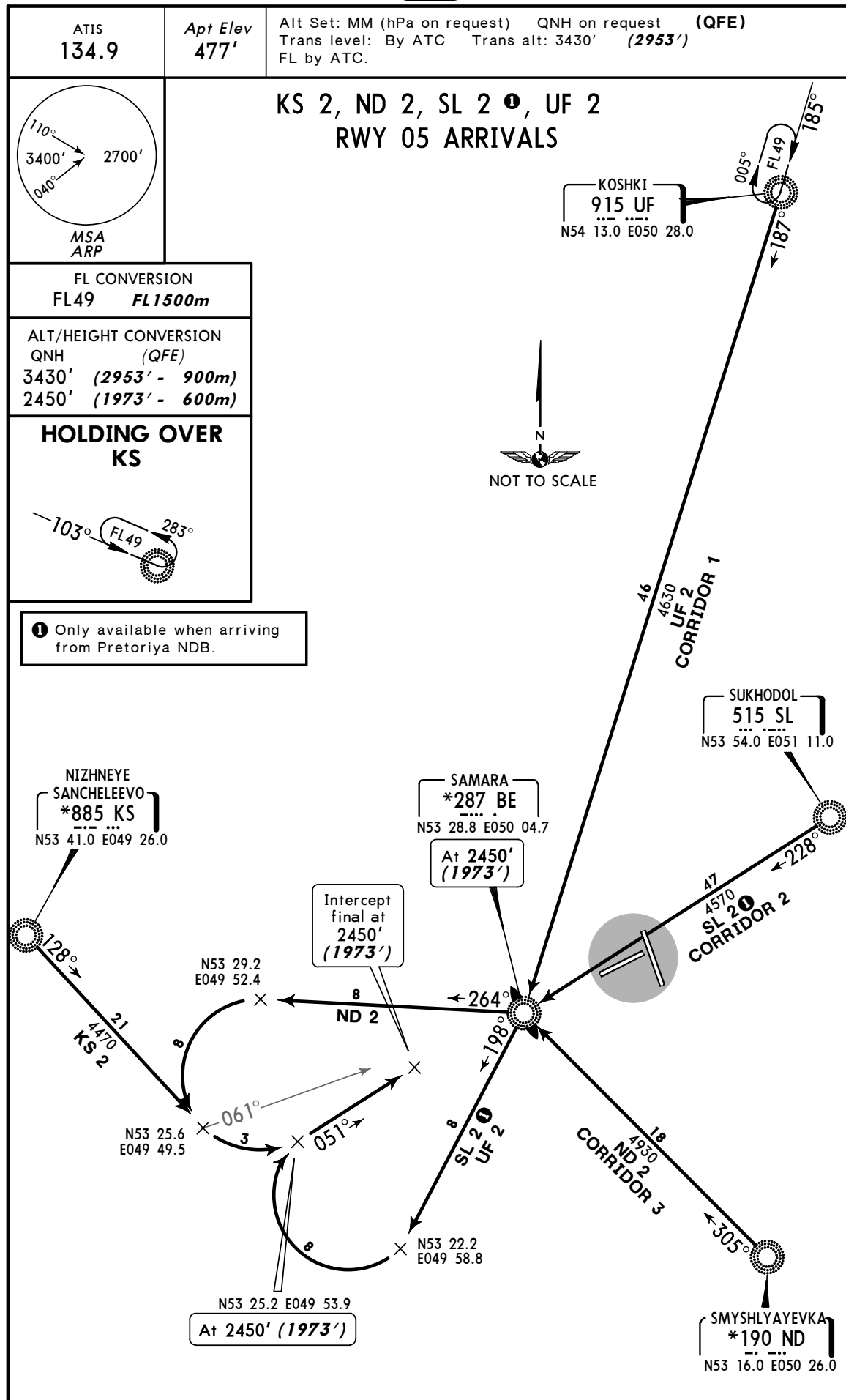
SAMARA, RUSSIA

15 OCT 04

10-2

Eff 28 Oct

STAR



UWWW/KUF
KURUMOCH

JEPPESEN

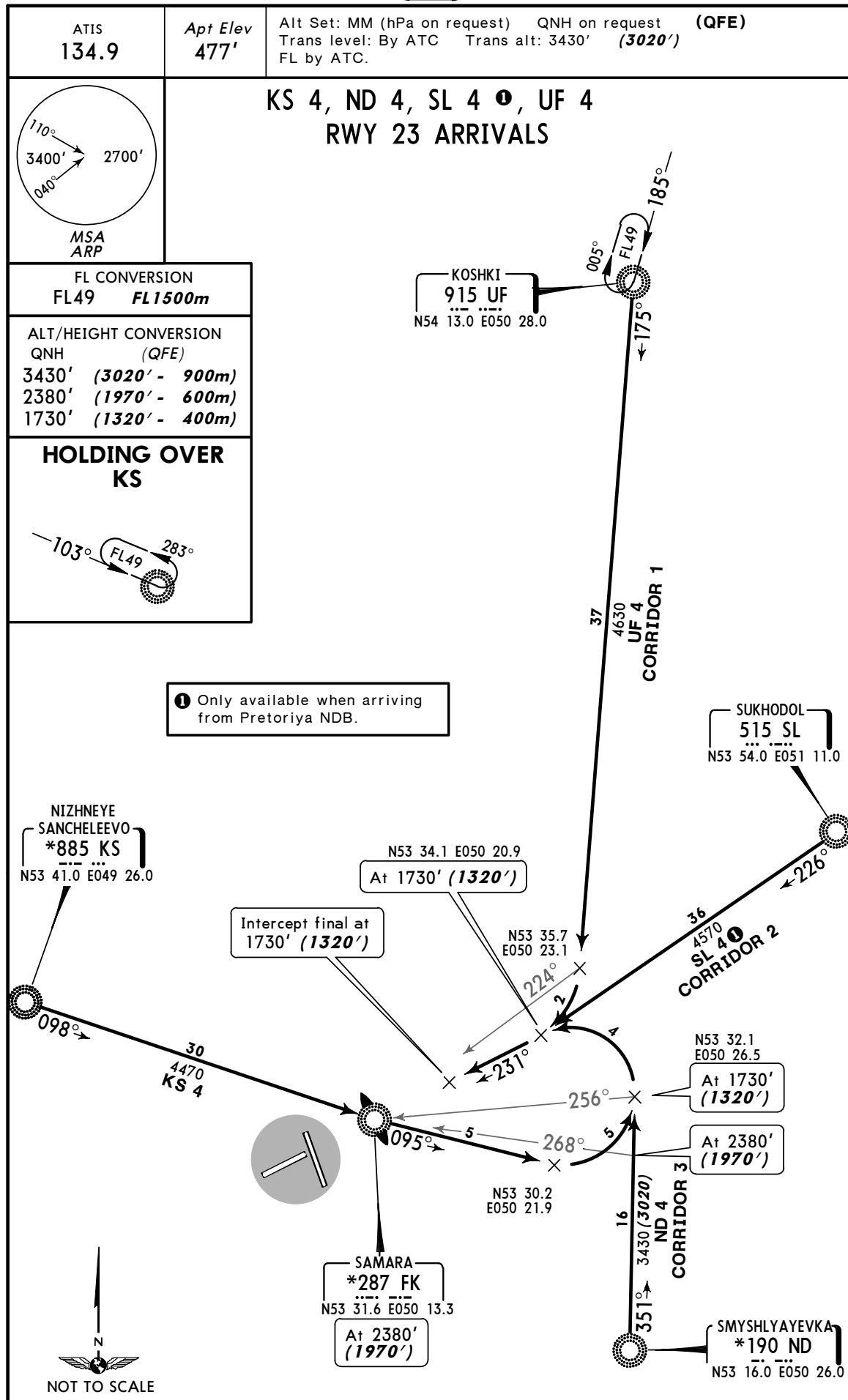
SAMARA, RUSSIA

15 OCT 04

10-2A

Eff 28 Oct

STAR



UWWW/KUF
KURUMOCH

JEPPESEN

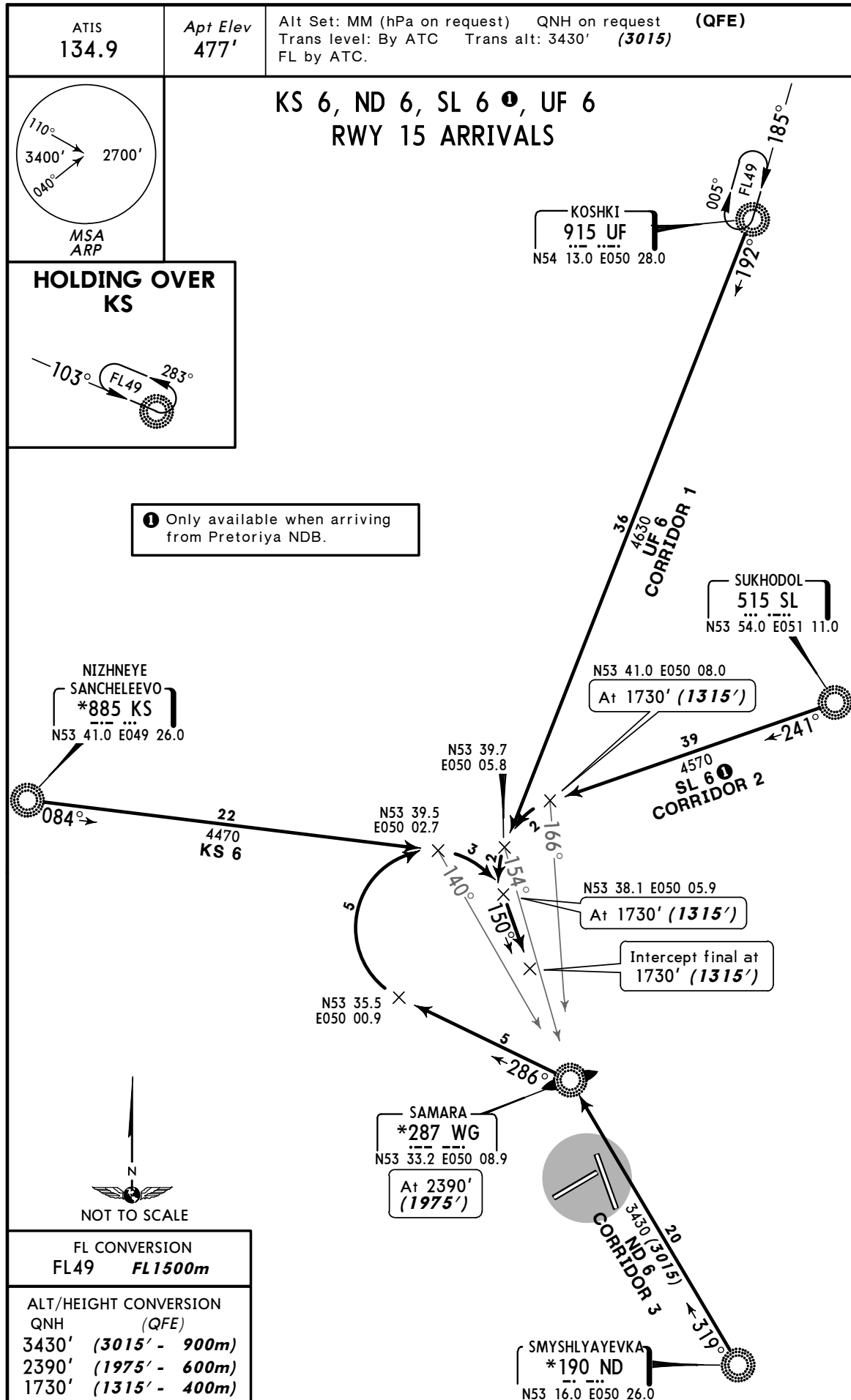
SAMARA, RUSSIA

15 OCT 04

(10-2B)

Eff 28 Oct

STAR



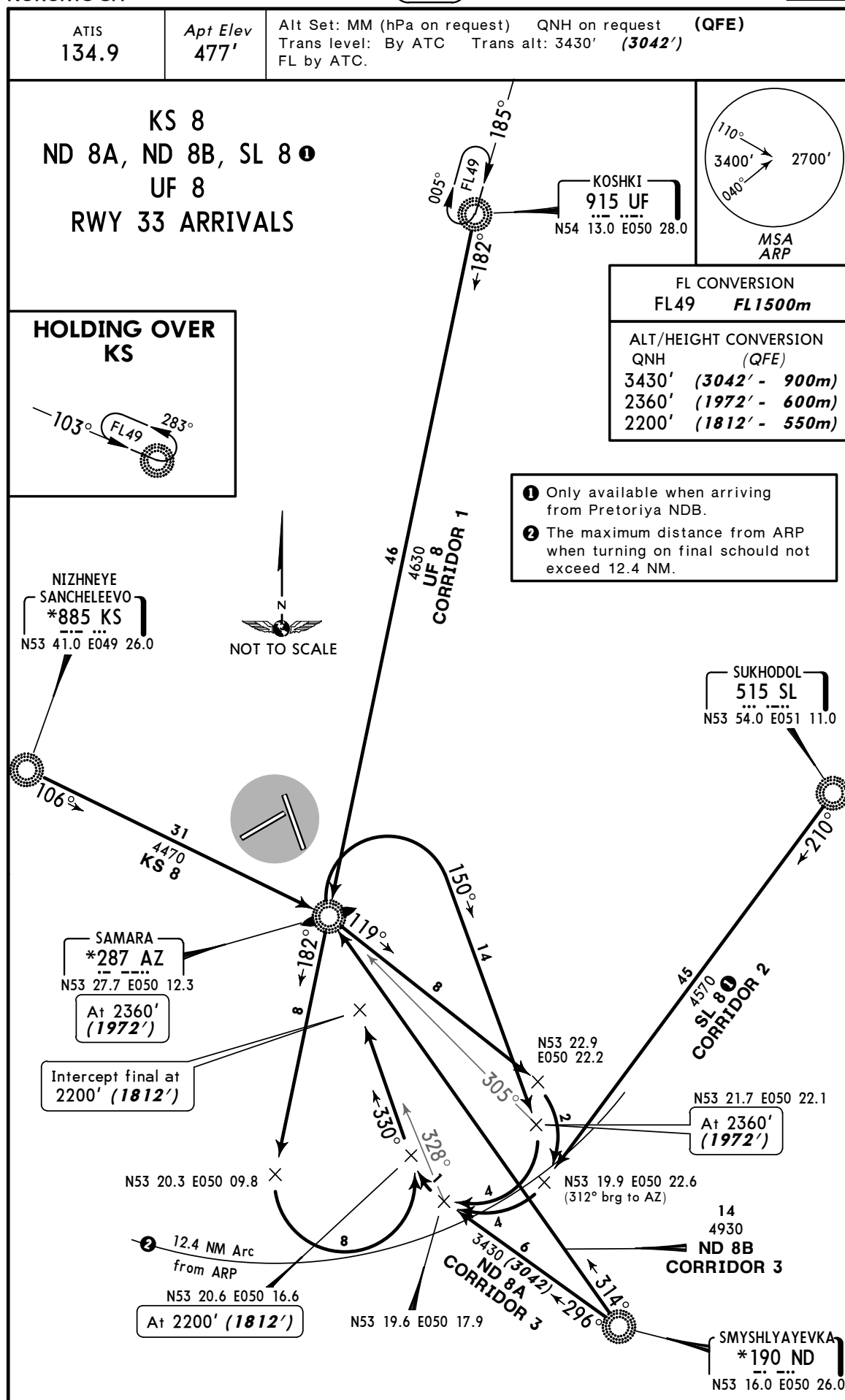
UWWW/KUF
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15 OCT 04 (10-2C) Eff 28 Oct

SAMARA, RUSSIA

STAR



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KURUMOCH

JEPPESEN
15 OCT 04 10-3 Eff 28 Oct

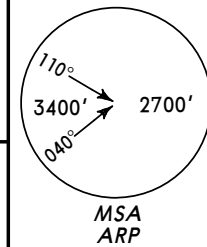
SAMARA, RUSSIA
SID

Apt Elev
477'

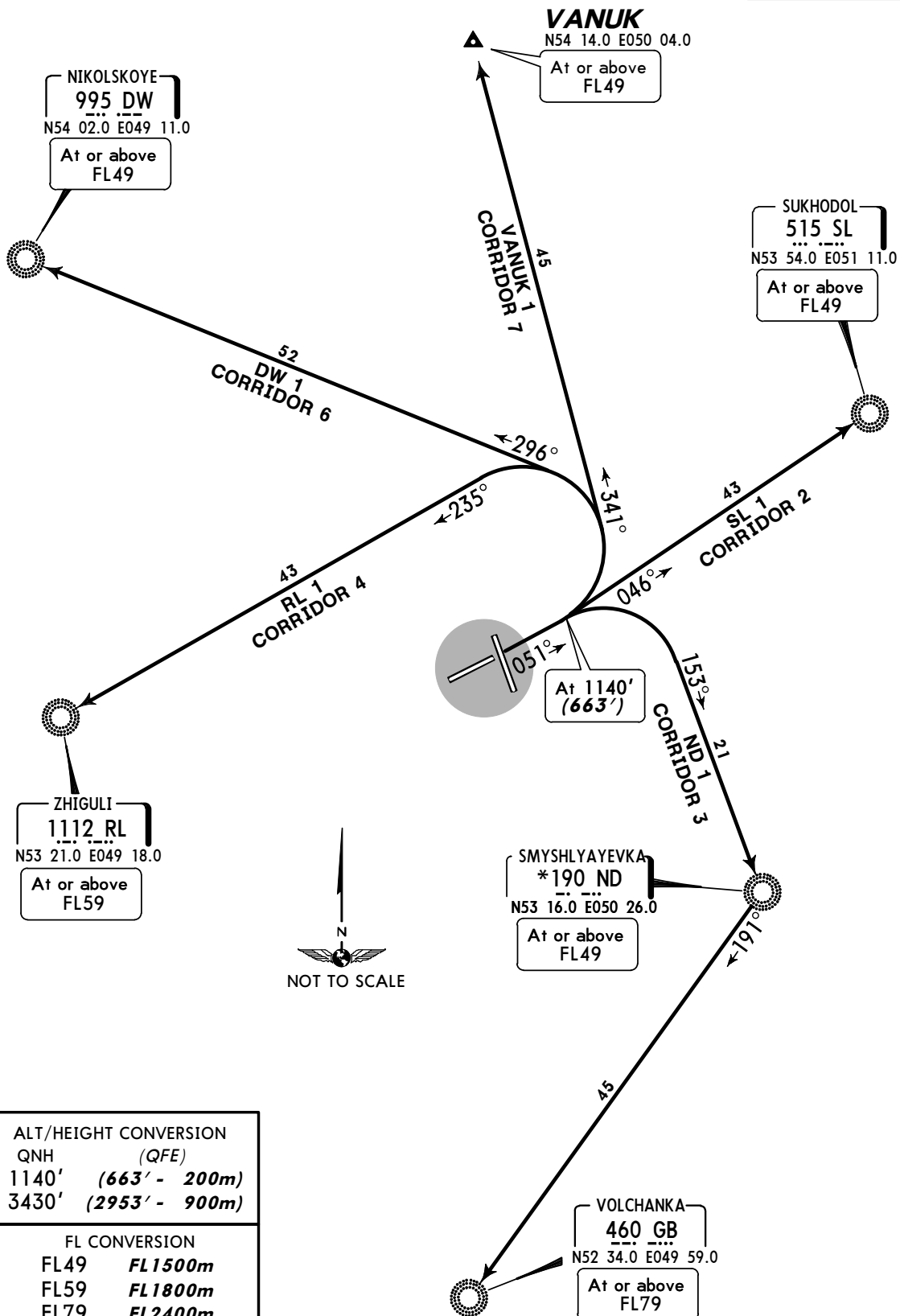
QNH on request (QFE)

Trans level: By ATC Trans alt: 3430' (2953')

Take-off should be carried out according to noise abatement procedures and flights should be conducted in accordance with ACFT performance requirements.



DW 1, ND 1, RL 1, SL 1, VANUK 1
RWY 05 DEPARTURES



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JEPPESEN
15 OCT 04 **10-3A** Eff 28 Oct

SAMARA, RUSSIA

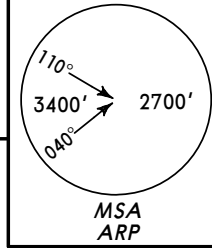
SID

Apt Elev
477'

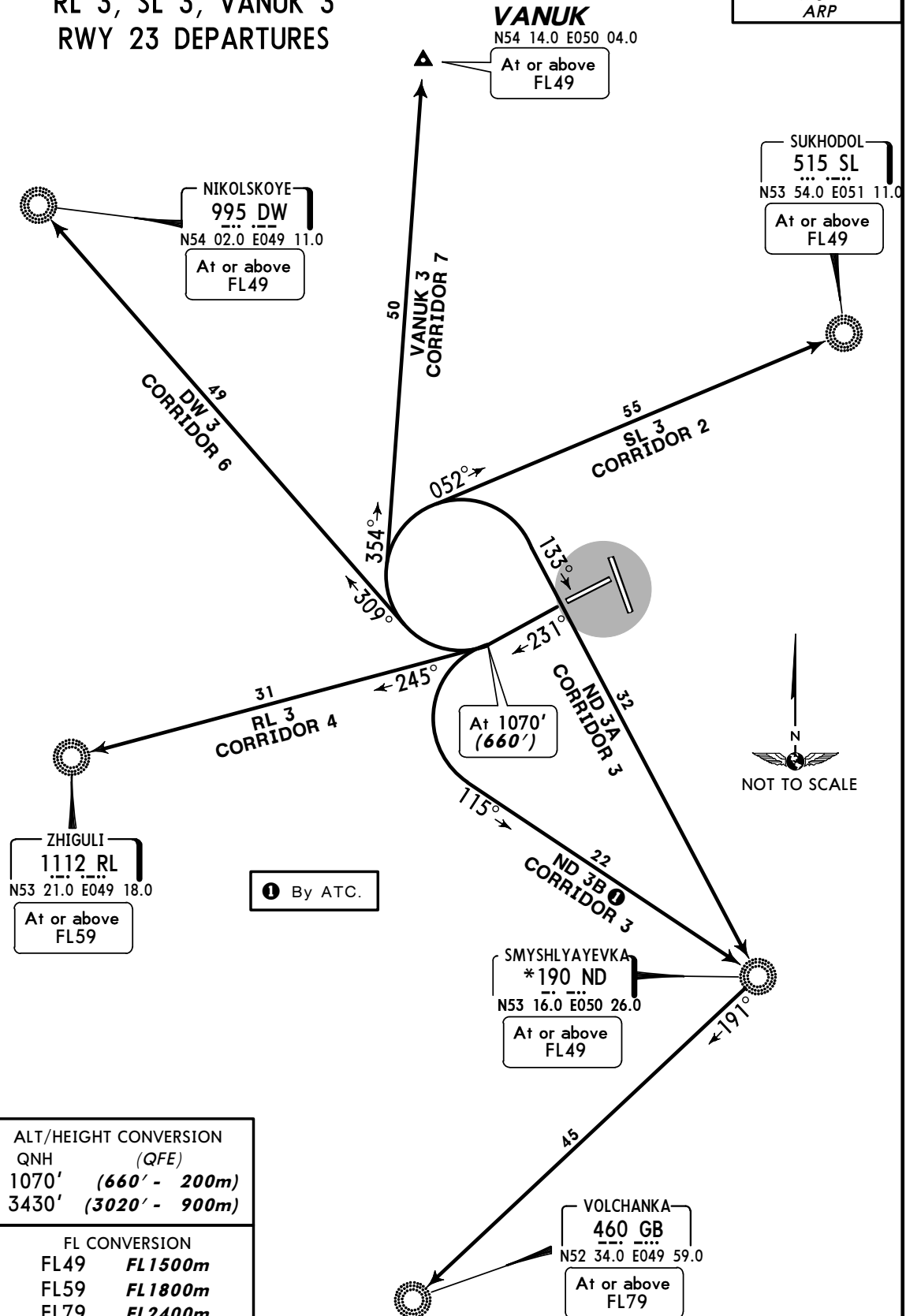
QNH on request (QFE)

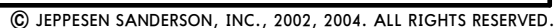
Trans level: By ATC Trans alt: 3430' (3020')

Take-off should be carried out according to noise abatement procedures and flights should be conducted in accordance with ACFT performance requirements.



DW 3, ND 3A, ND 3B
RL 3, SL 3, VANUK 3
RWY 23 DEPARTURES



SID

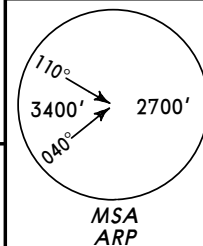
UWWW/KUF
KURUMOCH

JEPPESEN
15 OCT 04 (10-3C) Eff 28 Oct

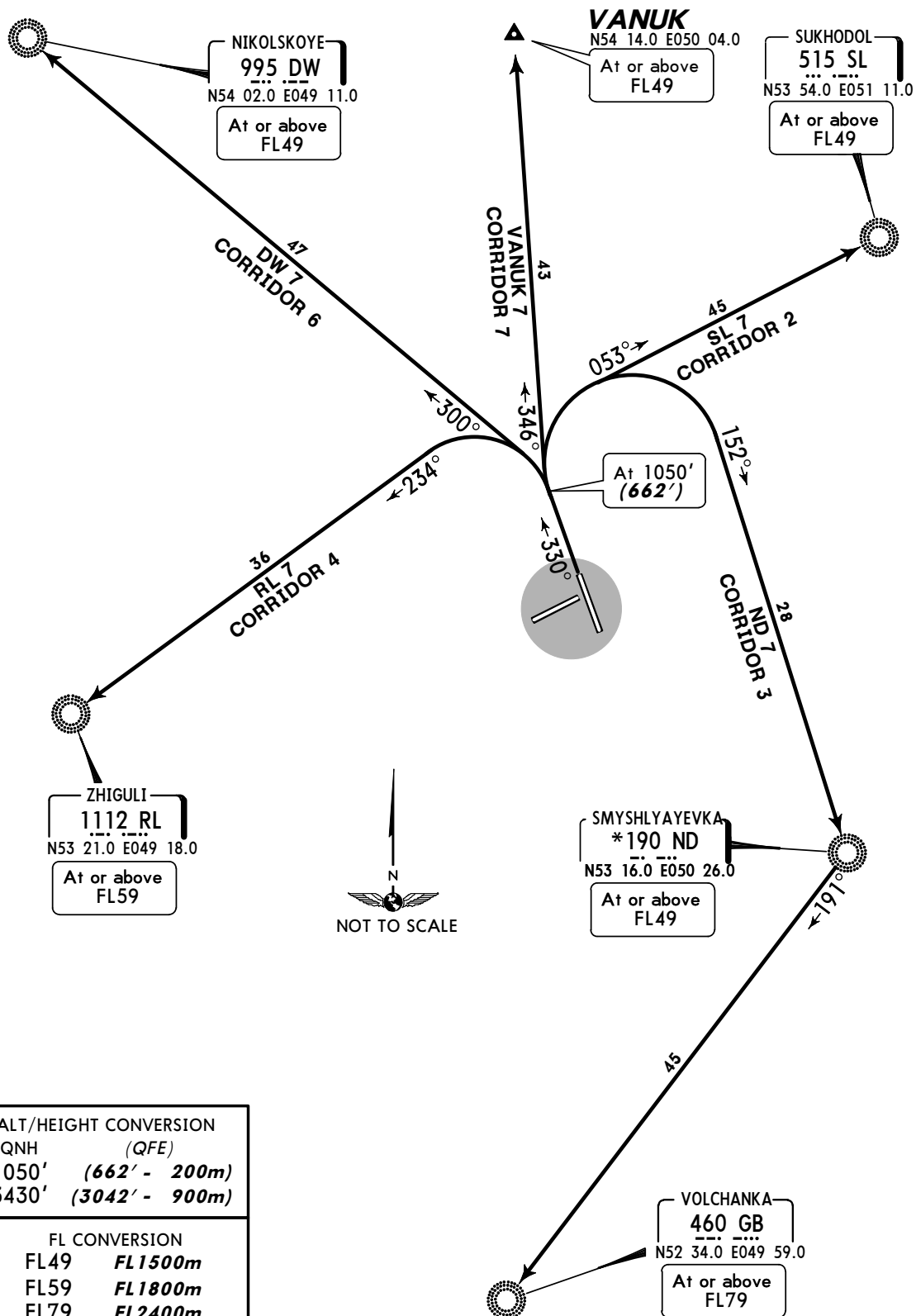
SAMARA, RUSSIA
SID

Apt Elev
477'

QNH on request (QFE)
Trans level: By ATC Trans alt: 3430' (3042')
Take-off should be carried out according to noise abatement procedures and flights should be conducted in accordance with ACFT performance requirements.



DW 7, ND 7, RL 7, SL 7, VANUK 7
RWY 33 DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1050' (662' - 200m)
3430' (3042' - 900m)

FL CONVERSION
FL49 FL1500m
FL59 FL1800m
FL79 FL2400m

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 **JEPPesen**

SAMARA, RUSSIA

KURUMOCH

31 OCT 03

10-4

NOISE

NOISE ABATEMENT PROCEDURES

LOCAL TIME - 4 = UTC (Z)

GENERAL

Noise abatement procedures shall be executed by all aircraft, except in case of reduction of flight safety and in case of engine failure.

Overflying of Samara City and Beryeza during approach phase is prohibited.

DEPARTURES

Restrictions

Take-off with tailwind component up to 5m/sec is allowed under following conditions:

- runway is dry or damp
- friction coefficient is 0.5 or more
- crosswind component is not more than 5m/sec.

During take-off from both runways it is necessary to follow strictly the departure procedure to avoid overflying the residential areas.

Between 2300-0700LT take-off shall usually be carried out on runways 05 and 15.

Special take-off procedures shall be carried out on runways 23 and 33.

Runway 15

Take-off/departure along corridor 3 based on a straight ahead climb up to 3040' (2625' - 800m) before turning towards the corridor.

Take-off/departure along corridor 4 based on a straight ahead climb up to 2390' (1975' - 600m) before turning towards the corridor.

Take-off/departure along corridor 7 is by ATC permission only and based on a straight ahead climb up to 2390' (1975' - 600m) before turning towards the corridors.

RUN-UP TESTS

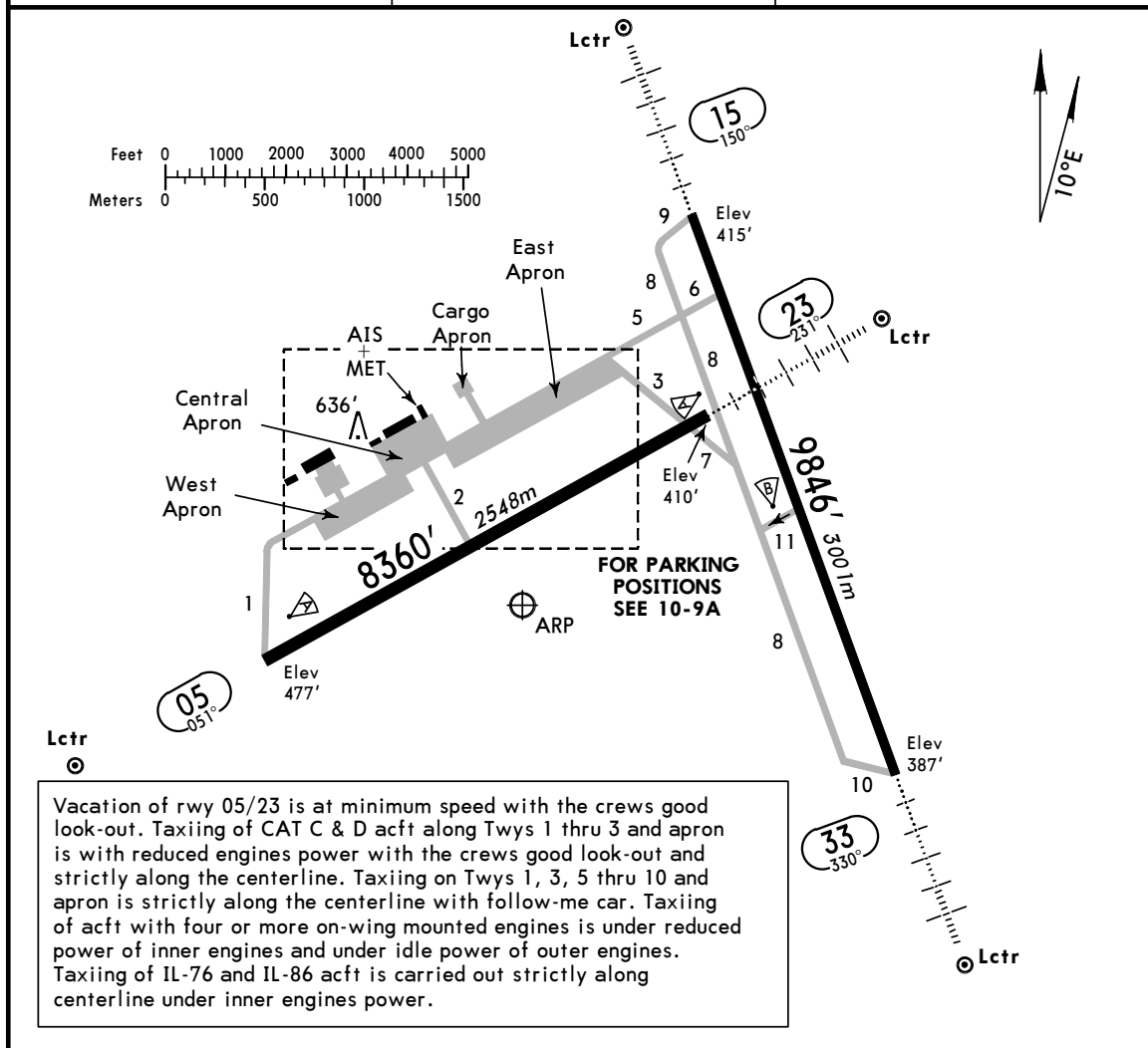
Between 2300-0700LT engine run-up tests are prohibited on the bay near the hangar and on stands 15 and 16.

UWWW/KUF
Apt Elev **477'**

JEPPesen
11 OCT 02 **(10-9)**

SAMARA, RUSSIA
KURUMOCH
N53 30.1 E050 09.3

ATIS	SAMARA Taxiing (GND)	Start (TWR)
134.9	119.0	118.2



ADDITIONAL RUNWAY INFORMATION

RWY				USABLE LENGTHS		TAKE-OFF	WIDTH
				Threshold	Landing Beyond Glide Slope		
05 23	HIRL (60m)	RVR					197'
	HIRL (60m) HIALS PAPI-L	RVR			7802' 2378m		60m
15 33	HIRL (60m) HIALS PAPI-L	RVR			9390' 2862m		148'
	HIRL (60m) HIALS	RVR			9190' 2801m		45m

① IL-86 acft with AUW exceeding 190 tons may not use rwy 05/23.

TAKE-OFF

AIR CARRIER (JAA)

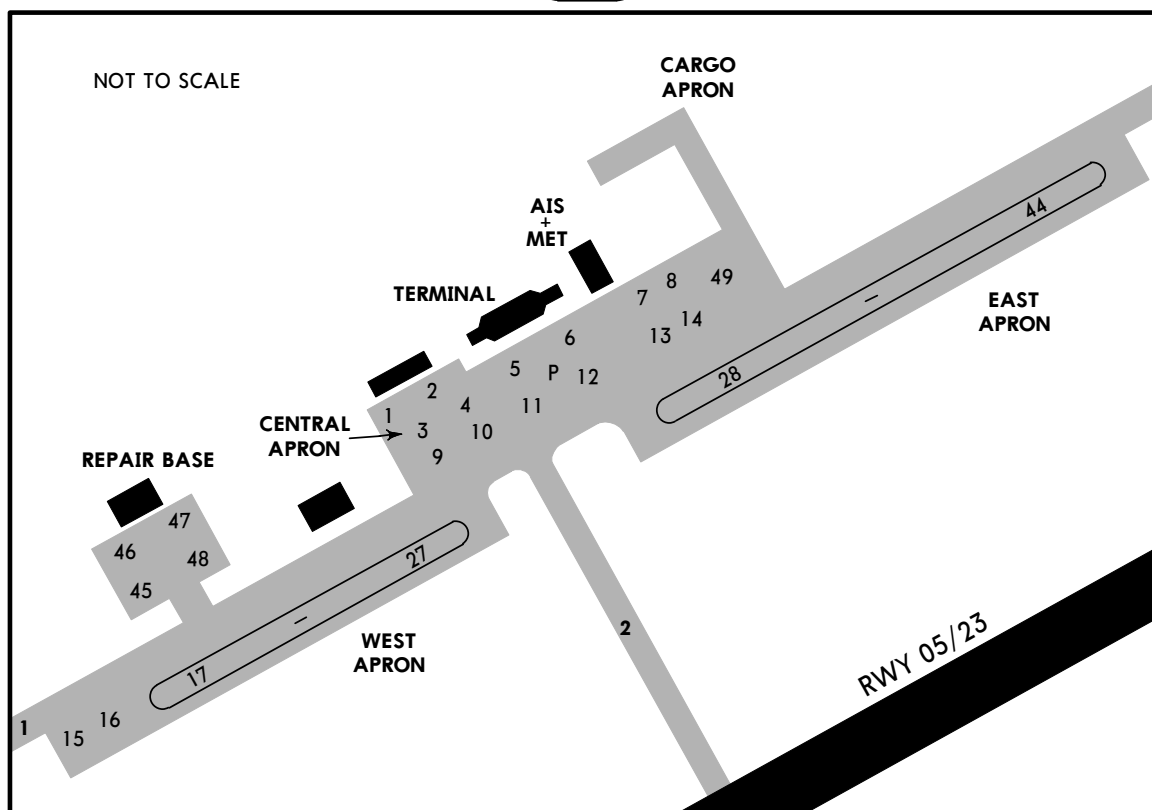
All Rwys

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

UWWW/KUF

JEPPESEN
11 OCT 02 (10-9A)

SAMARA, RUSSIA
KURUMOCH



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
22, 23	N53 30.3 E050 08.7	29	N53 30.4 E050 09.2
24, 25	N53 30.3 E050 08.8	30, 31	N53 30.5 E050 09.2
26	N53 30.3 E050 08.9	32, 33	N53 30.5 E050 09.3
27	N53 30.4 E050 08.9		
28	N53 30.4 E050 09.1		

Stands 15 and 16 available for run-up.
Stand 49 available for helicopters.

UWWW / KUF

JEPPesen

JAA MINIMUMS

11 OCT 02

10-9X

SAMARA, RUSSIA

KURUMOCH

STRAIGHT-IN RWY		A	B	C	D
05	PAR	677' (200') R1000m	677' (200') R1000m	677' (200') R1000m	682' (205') R1000m
	NDB	890' (413') R1500m	890' (413') R1500m	890' (413') R1800m	890' (413') R2000m
	GNSS	890' (413') R1500m	890' (413') R1500m	890' (413') R1800m	890' (413') R2000m
15	ILS	615' (200') R550m	615' (200') R550m	615' (200') R550m	615' (200') R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	750' (335') R900m	750' (335') R1000m	750' (335') R1000m	750' (335') R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m
	GNSS	930' (515') R1000m	930' (515') R1200m	930' (515') R1200m	930' (515') R1600m
23	ALS out	R1500m	R1500m	R2000m	R2000m
	ILS	610' (200') R550m	610' (200') R550m	610' (200') R550m	610' (200') R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	PAR	623' (213') R600m	633' (223') R600m	643' (233') R600m	653' (243') R600m
	ALS out	R1000m	R1000m	R1000m	R1000m
33	NDB	750' (340') R900m	750' (340') R1000m	750' (340') R1000m	750' (340') R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m
	GNSS	890' (480') R1000m	890' (480') R1200m	890' (480') R1200m	890' (480') R1600m
	ALS out	R1500m	R1500m	R2000m	R2000m
	ILS	587' (200') R550m	587' (200') R550m	587' (200') R550m	587' (200') R550m
	ALS out	R1000m	R1000m	R1000m	R1000m
33	LOC	NOT AUTHORIZED			
	NDB	720' (333') R900m	720' (333') R1000m	720' (333') R1000m	720' (333') R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m
	GNSS	770' (383') R900m	770' (383') R1000m	770' (383') R1000m	930' (513') R1400m
	ALS out	R1500m	R1500m	R1800m	R2000m

Take-off RWY 05, 15, 23, 33

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

Notice: After 17.03.2005 0901Z this chart should not be used without first checking JeppView or NOTAMs.

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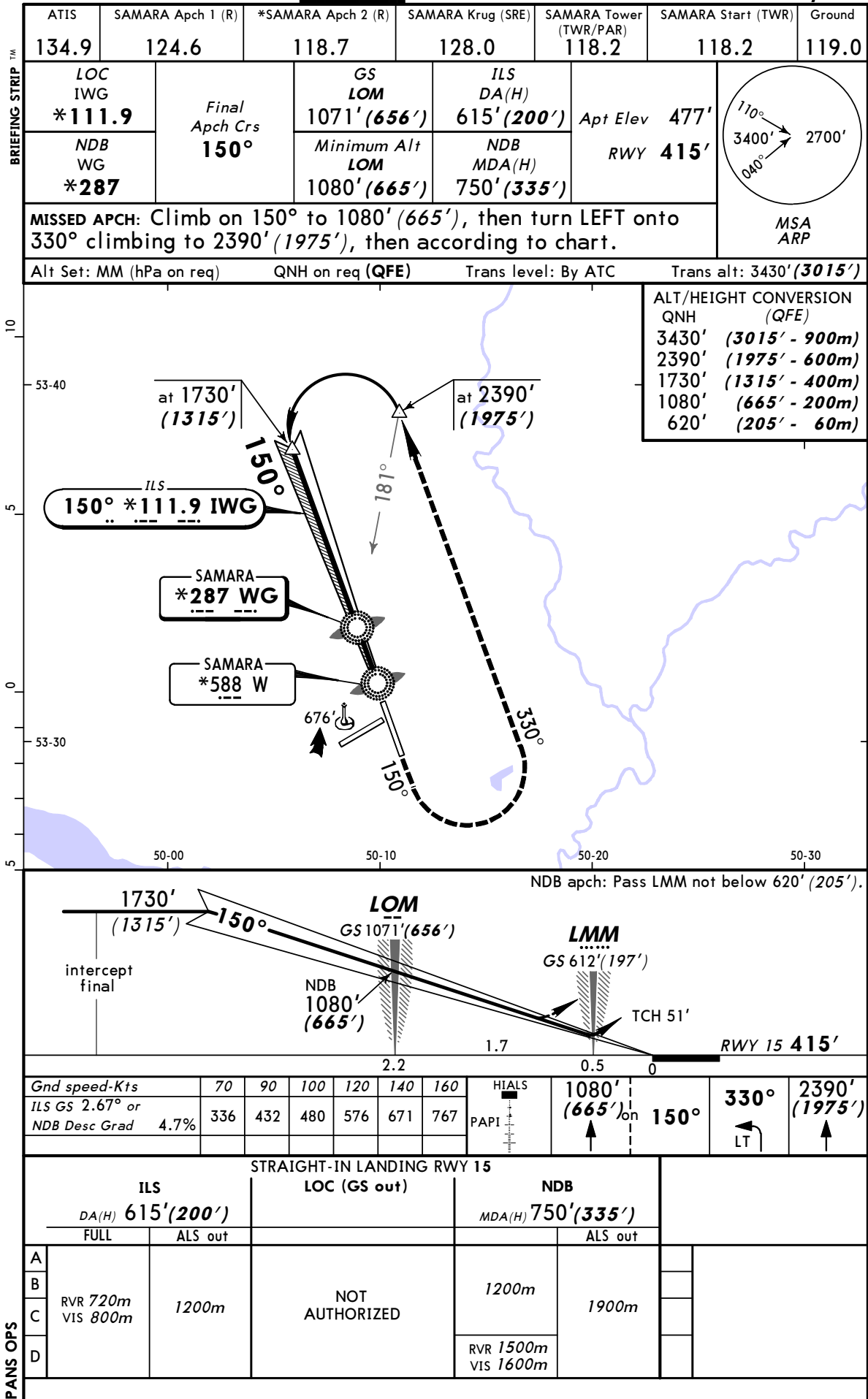
JEPPesen

15 OCT 04

Eff 28 Oct

(11-1)

SAMARA, RUSSIA
ILS or 2 NDB Rwy 15



CHANGES: Trans level.

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Notice: After 17.03.2005 0901Z this chart should not be used without first checking JeppView or NOTAMs.

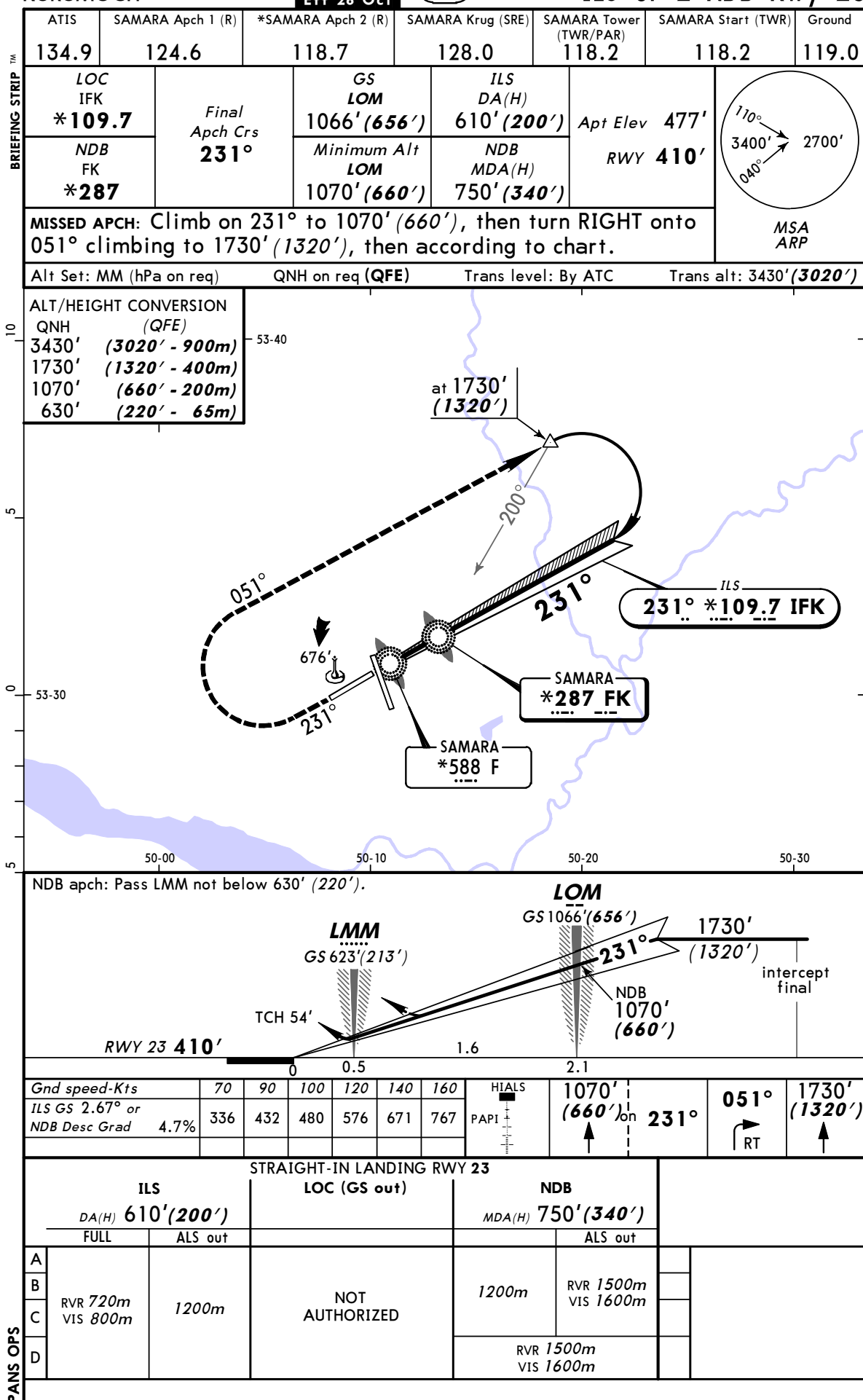
UWWW/KUF
KURUMOCH

JEPPesen

15 OCT 04

Eff 28 Oct

(11-2)

SAMARA, RUSSIA
ILS or 2 NDB Rwy 23

CHANGES: Trans level.

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KURUMOCH

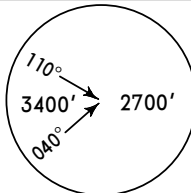
JEPPesen

15 OCT 04

Eff 28 Oct

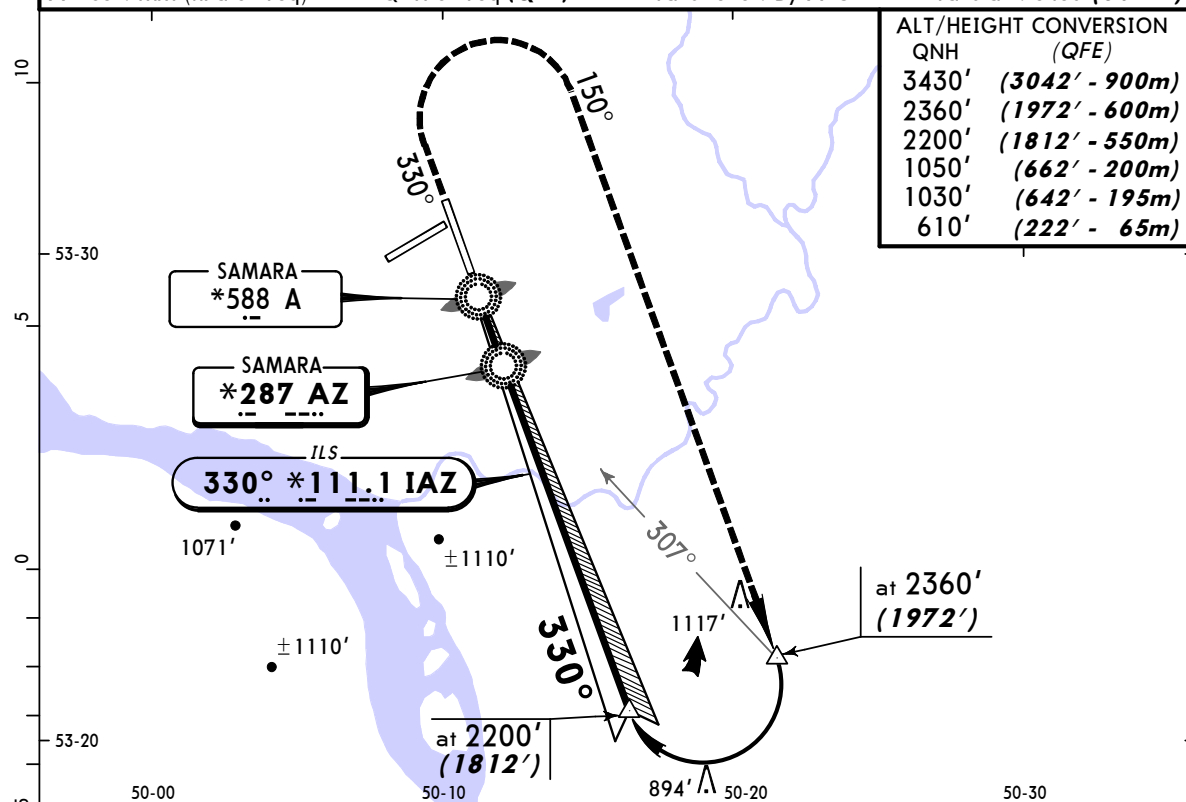
(11-3)

SAMARA, RUSSIA
ILS or 2 NDB Rwy 33

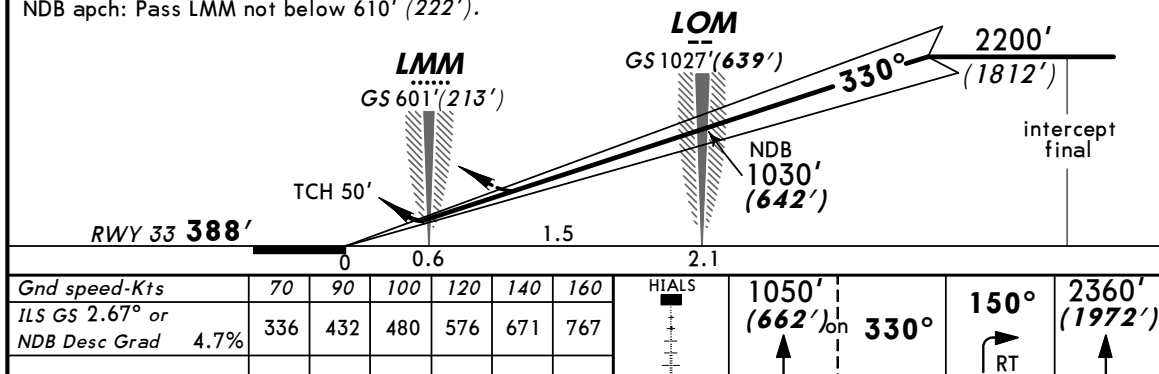
ATIS	SAMARA Apch 1 (R)	*SAMARA Apch 2 (R)	SAMARA Krug (SRE)	SAMARA Tower (TWR/PAR)	SAMARA Start (TWR)	Ground
134.9	124.6	118.7	128.0	118.2	118.2	119.0
LOC IAZ *111.1	Final Apch Crs 330°	GS LOM 1027' (639')	ILS DA(H) 588' (200')	Apt Elev 477' RWY 388'		
NDB AZ *287		Minimum Alt LOM 1030' (642')	NDB MDA(H) 720' (332')			

MISSED APCH: Climb on 330° to 1050' (662'), then turn RIGHT onto 150° climbing to 2360' (1972'), then according to chart.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3430' (3042')



NDB apch: Pass LMM not below 610' (222').



STRAIGHT-IN LANDING RWY 33					
ILS		LOC (GS out)		NDB	
DA(H) 588' (200')				MDA(H) 720' (332')	
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

CHANGES: Trans level.

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KURUMOCH

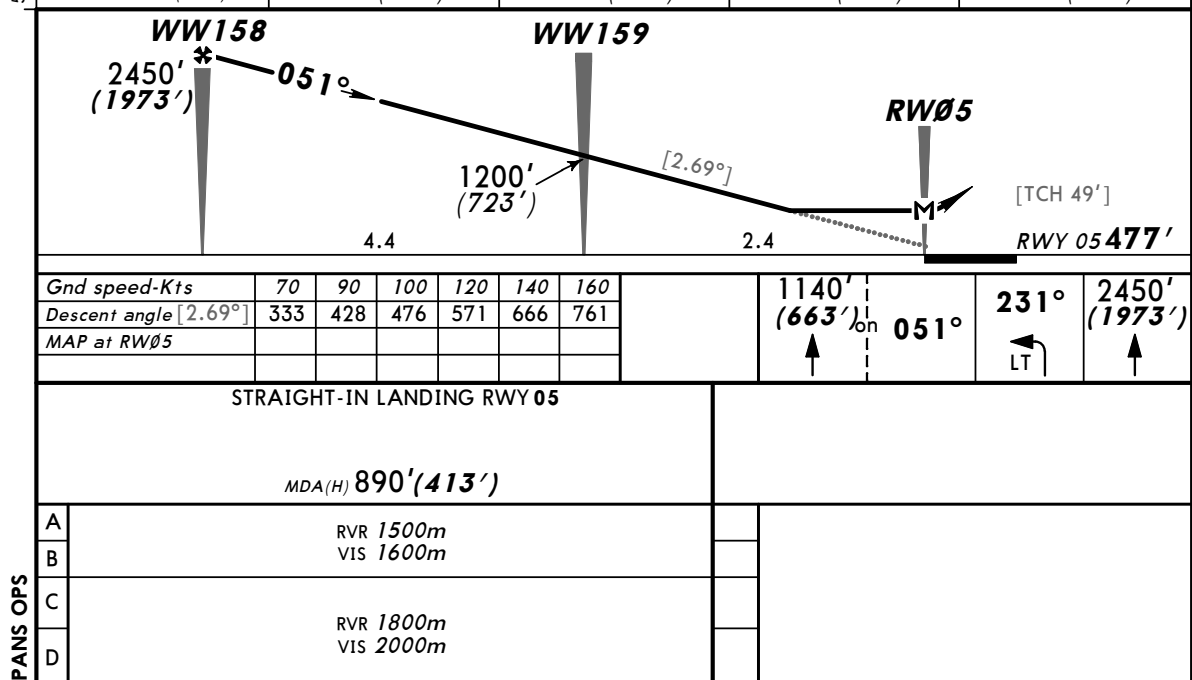
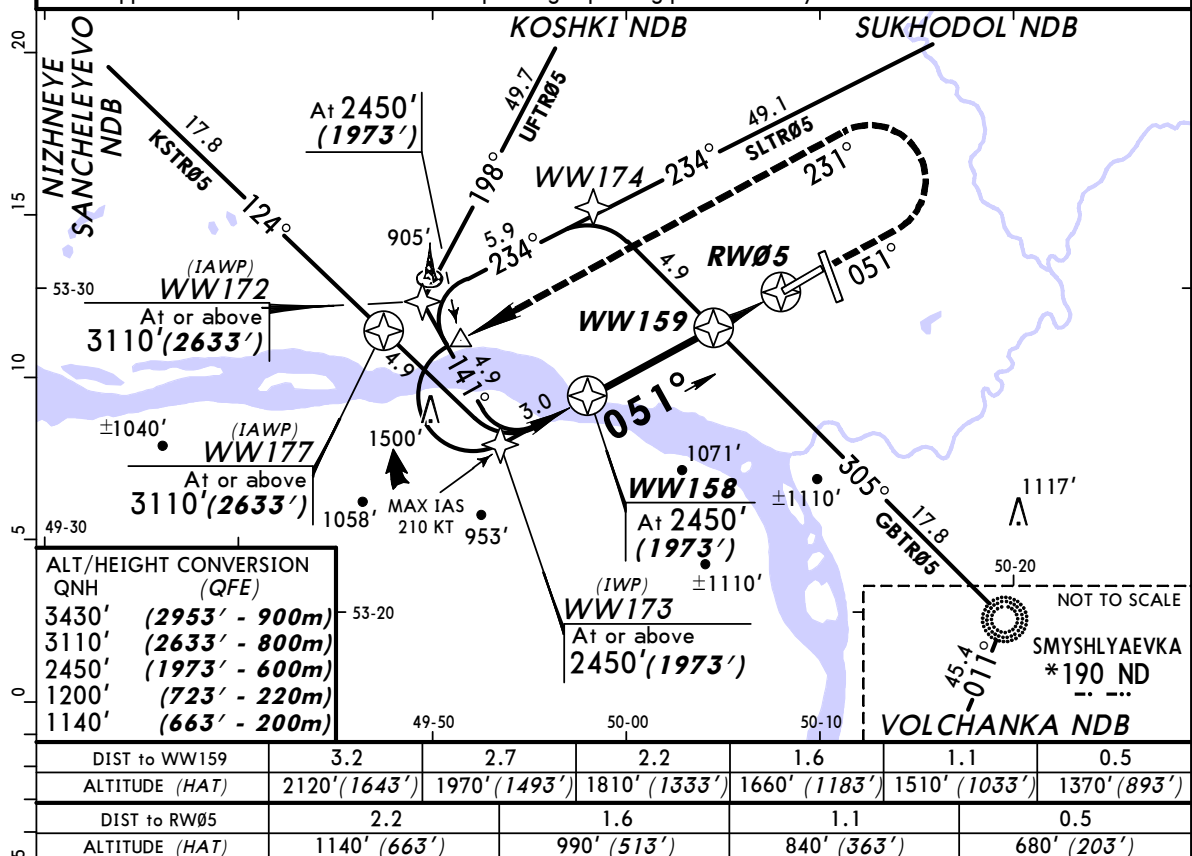
JEPPesen
15 OCT 04 **(12-1)** Eff 28 Oct

SAMARA, RUSSIA
GNSS Rwy 05

ATIS	SAMARA Apch 1 (R)	*SAMARA Apch 2 (R)	SAMARA Krug (SRE)	SAMARA Tower (TWR/PAR)	SAMARA Start (TWR)	Ground
134.9	124.6	118.7	128.0	118.2	118.2	119.0
GNSS	Final Apch Crs 051°	Minimum Alt WW158 2450' (1973')	MDA(H) 890' (413')	Apt Elev 477' RWY 477'	MSA 110° 3400' ARP 2700' 040°	

MISSED APCH: Climb on 051° to 1140' (663'), then turn LEFT onto 231° climbing to 2450' (1973'), then according to Instrument Approach route.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3430' (2953')
1. The arrival and approach by using the RNAV procedure based on navigation satellite system GLONASS-GPS are available under approval (permit) of Russian FAA. 2. Aircrews shall request the permission for GNSS approach from APP controller when passing reporting point of entry corridor.



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KURUMOCH

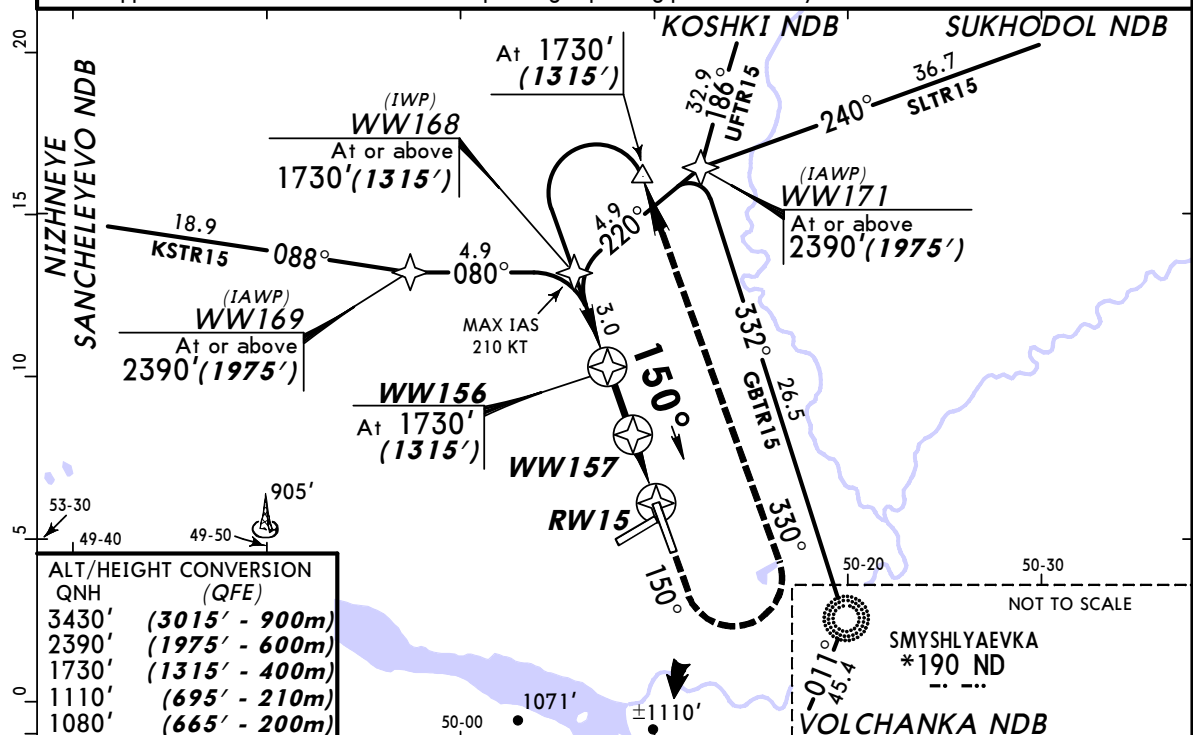
JEPPesen
15 OCT 04 **(12-2)** **Eff 28 Oct**

SAMARA, RUSSIA
GNSS Rwy 15

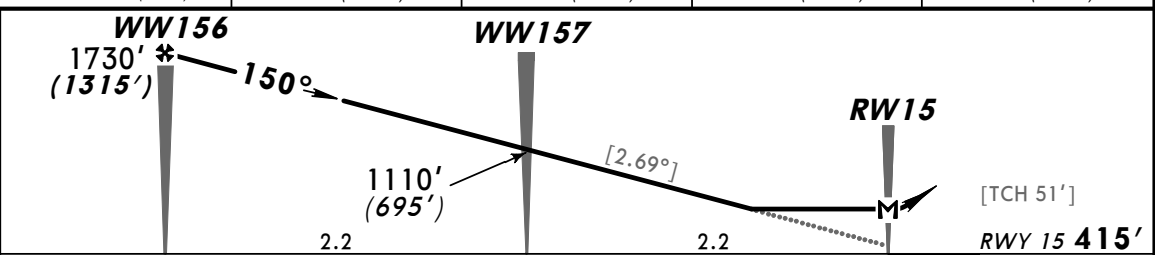
BRIEFING STRIP

ATIS	SAMARA Apch 1 (R)	*SAMARA Apch 2 (R)	SAMARA Krug (SRE)	SAMARA Tower (TWR/PAR)	SAMARA Start (TWR)	Ground
134.9	124.6	118.7	128.0	118.2	118.2	119.0
GNSS	Final Apch Crs 150°	Minimum Alt WW156 1730'(1315')	MDA(H) 930'(515')	Apt Elev 477' RWY 415'	MSA 110° 3400' ARP 2700' 040°	
MISSED APCH: Climb on 150° to 1080'(665'), then turn LEFT onto 330° climbing to 1730'(1315'), then according to Instrument Approach route.						

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3430' (3015')
1. The arrival and approach by using the RNAV procedure based on navigation satellite system GLONASS-GPS are available under approval (permit) of Russian FAA. 2. Aircrews shall request the permission for GNSS approach from APP controller when passing reporting point of entry corridor.



DIST to WW157	2.2	1.6	1.1	0.5
ALTITUDE (HAT)	1720' (1305')	1550' (1135')	1400' (985')	1260' (845')
DIST to RW15	2.2	1.6	1.1	0.5
ALTITUDE (HAT)	1080' (665')	930' (515')	780' (365')	620' (205')



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1080' (665') on 150°	330°	1730' (1315')
Descent angle [2.69°]	333	428	476	571	666	761	PAPI	↑	LT	↑
MAP at RW15										

STRAIGHT-IN LANDING RWY 15					
MDA(H) 930' (515')					
ALS out					
A	RVR 720m VIS 800m	RVR 1500m VIS 1600m			
B					
C	RVR 1500m VIS 1600m	2400m			
D	RVR 1800m VIS 2000m	2800m			

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KURUMOCH

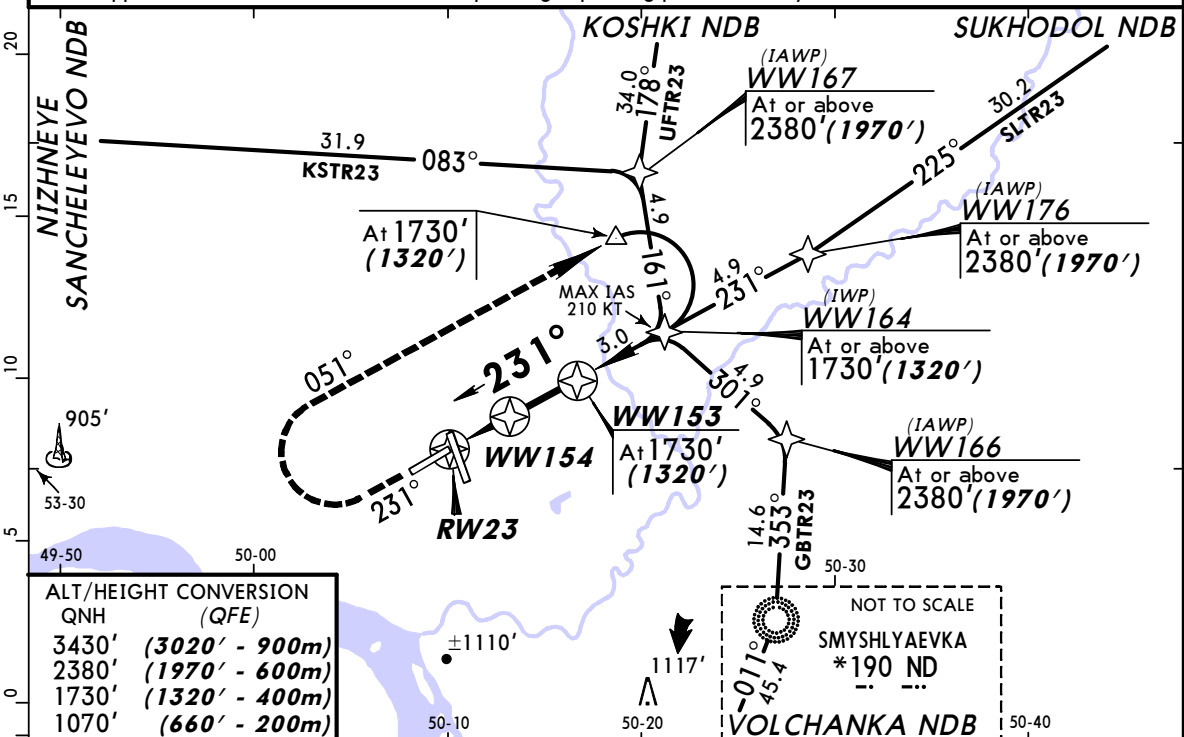
JEPPesen
15 OCT 04 **(12-3)** **Eff 28 Oct**

SAMARA, RUSSIA
GNSS Rwy 23

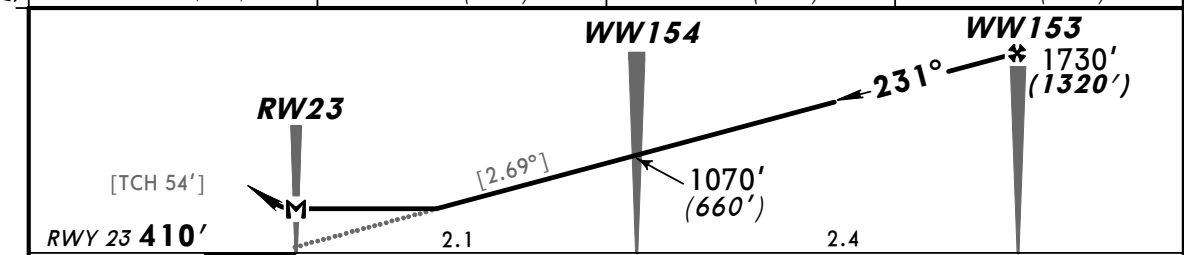
™

BRIEFING STRIP

ATIS	SAMARA Apch 1 (R)	*SAMARA Apch 2 (R)	SAMARA Krug (SRE)	SAMARA Tower (TWR/PAR)	SAMARA Start (TWR)	Ground
134.9	124.6	118.7	128.0	118.2	118.2	119.0
GNSS	Final Apch Crs 231°	Minimum Alt WW153 1730' (1320')	MDA(H) 890' (480')	Apt Elev 477' RWY 410'	MSA 170° 3400' ARP 2700' 040°	
MISSED APCH: Climb on 231° to 1070' (660'), then turn RIGHT onto 051° climbing to 1730' (1320'), then according to Instrument Approach route.						
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3430' (3020')						
1. The arrival and approach by using the RNAV procedure based on navigation satellite system GLONASS-GPS are available under approval (permit) of Russian FAA. 2. Aircrews shall request the permission for GNSS approach from APP controller when passing reporting point of entry corridor.						



DIST to WW154	0.5	1.1	1.6	2.2
ALTITUDE (HAT)	1220' (810')	1370' (960')	1530' (1120')	1680' (1270')
DIST to RW23	0.5	1.1	1.6	
ALTITUDE (HAT)	610' (200')	780' (370')	920' (510')	



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1070' (660') on 231°	051° RT	1730' (1320')
Descent angle [2.69°]	333	428	476	571	666	761	PAPI			
MAP at RW23										

STRAIGHT-IN LANDING RWY 23		MDA(H) 890' (480')		ALS out	
A	RVR 720m VIS 800m	RVR 1500m VIS 1600m			
B					
C	1200m	RVR 1800m VIS 2000m			
D	RVR 1500m VIS 1600m	2400m			

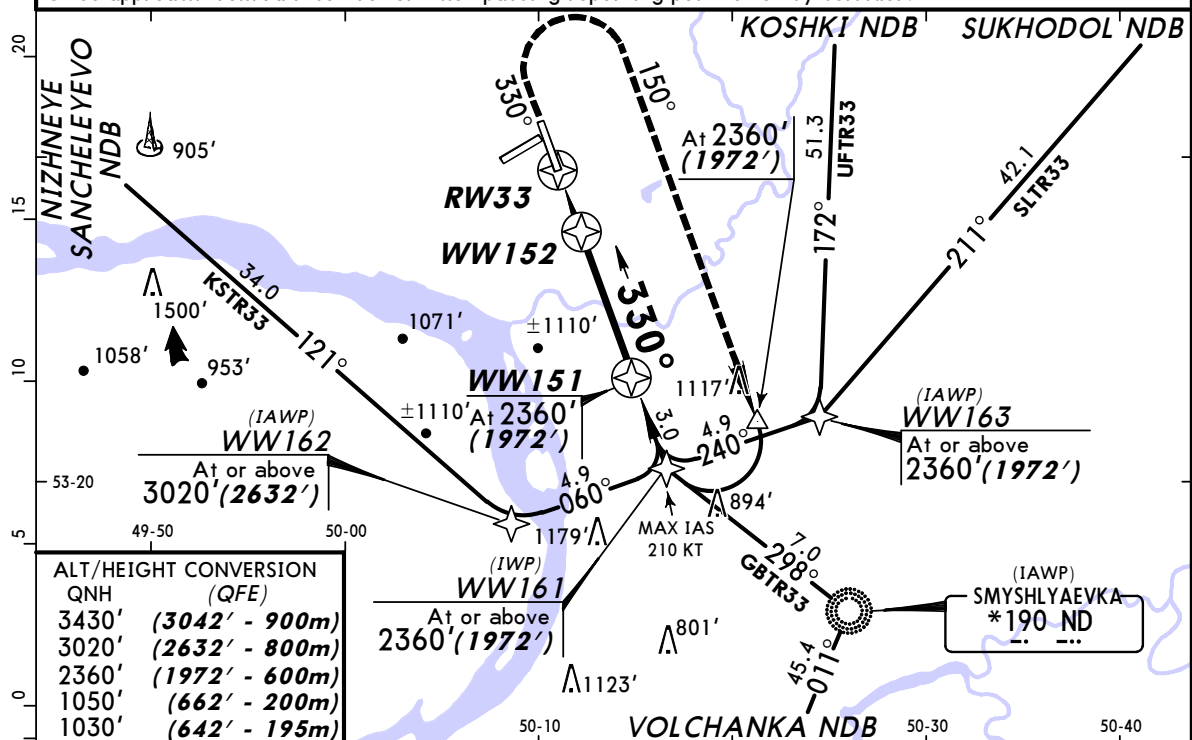
UWWW/KUF
KURUMOCH

JEPPESEN
15 OCT 04 (12-4) Eff 28 Oct

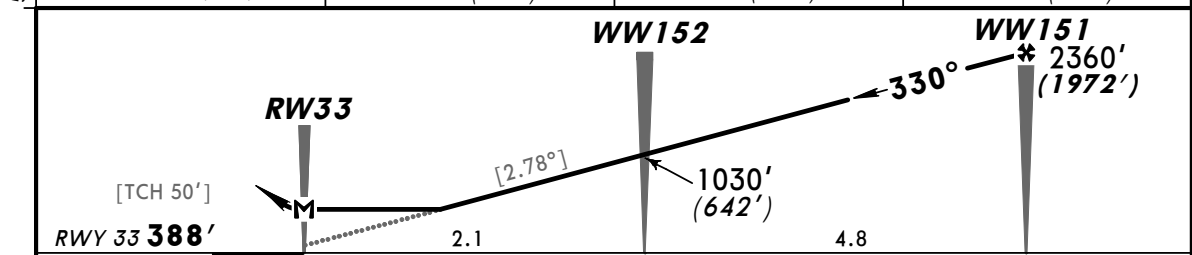
SAMARA, RUSSIA
GNSS Rwy 33

ATIS	SAMARA Apch 1 (R)	*SAMARA Apch 2 (R)	SAMARA Krug (SRE)	SAMARA Tower (TWR/PAR)	SAMARA Start (TWR)	Ground
134.9	124.6	118.7	128.0	118.2	118.2	119.0
GNSS	Final Apch Crs	Minimum Alt WW151	MDA(H)	Apt Elev	477'	MSA
	330°	2360' (1972')	770' (382')	RWY 388'		
MISSED APCH: Climb on 330° to 1050' (662'), then turn RIGHT onto 150° climbing to 2360' (1972'), then according to Instrument Approach route.						

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3430' (3042')
 1. The arrival and approach by using the RNAV procedure based on navigation satellite system GLONASS-GPS are available under approval (permit) of Russian FAA. 2. Aircrews shall request the permission for GNSS approach from APP controller when passing reporting point of entry corridor.



DIST to WW152	0.5	1.1	1.6	2.2	2.7	3.2
ALTITUDE (HAT)	1180' (792')	1330' (942')	1490' (1102')	1640' (1252')	1790' (1402')	1950' (1562')
DIST to RW33	0.5	1.1	1.6			
ALTITUDE (HAT)	590' (202')	750' (362')	900' (512')			



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1050' (662') on 330°	150° RT	2360' (1972')
Descent angle [2.78°]	344	443	492	590	688	787				
MAP at RW33										

STRAIGHT-IN LANDING RWY 33		ALS out	
MDA(H) 770' (382')			
A	RVR 720m VIS 800m	RVR 1500m VIS 1600m	
B			
C			
D	1200m	RVR 1800m VIS 2000m	

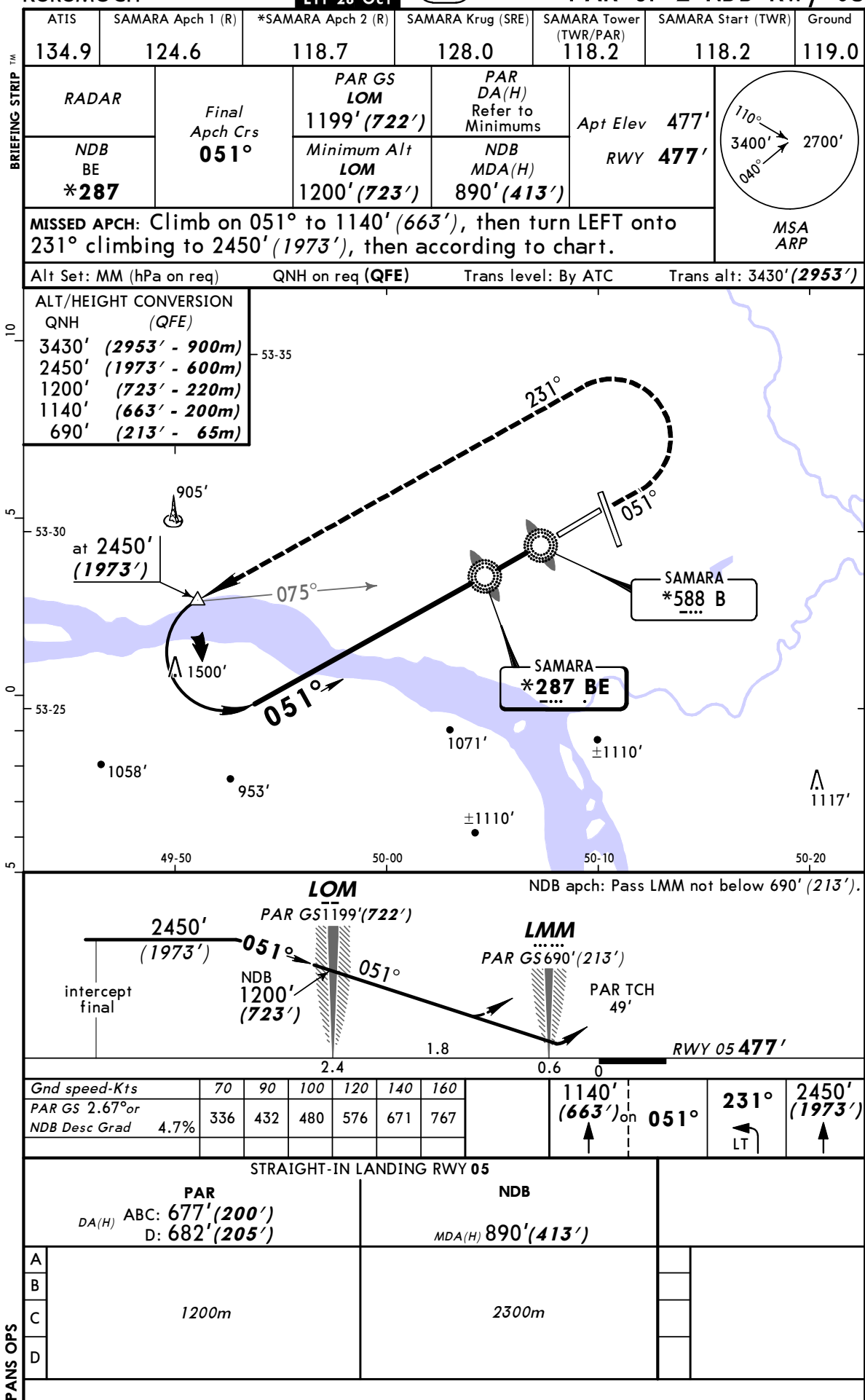
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15 OCT 04
Eff 28 Oct (18-1)

SAMARA, RUSSIA
PAR or 2 NDB Rwy 05



CHANGES: Trans level.

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JEPPESEN
15 OCT 04 (18-2) Eff 28 Oct

SAMARA, RUSSIA
PAR Rwy 23

