Page 1
Changed chart(s) since Disc 04-2011
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE

No revision activity since Disc 04-2011

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UWSS

General Info

Saratov, RUS
N 51° 33.9' E 46° 02.8' Mag Var: 8.6°E
Elevation: 499'

Public, IFR, Control Tower, Customs
Fuel: Jet, Jet A-1
Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+3:00 uses DST

Runway Info

Runway 12-30 7283' x 138' asphalt

Runway 12 (116.0°M) TDZE 440'
  Lights: Edge, ALS
Runway 30 (296.0°M) TDZE 499'
  Lights: Edge, ALS

Communications Info

ATIS **135.1**
Saratov Tower **128.1**
Saratov Ground Control **119.0**
Saratov Radar **120.4**
Saratov Transit Operations **131.8**

Notebook Info

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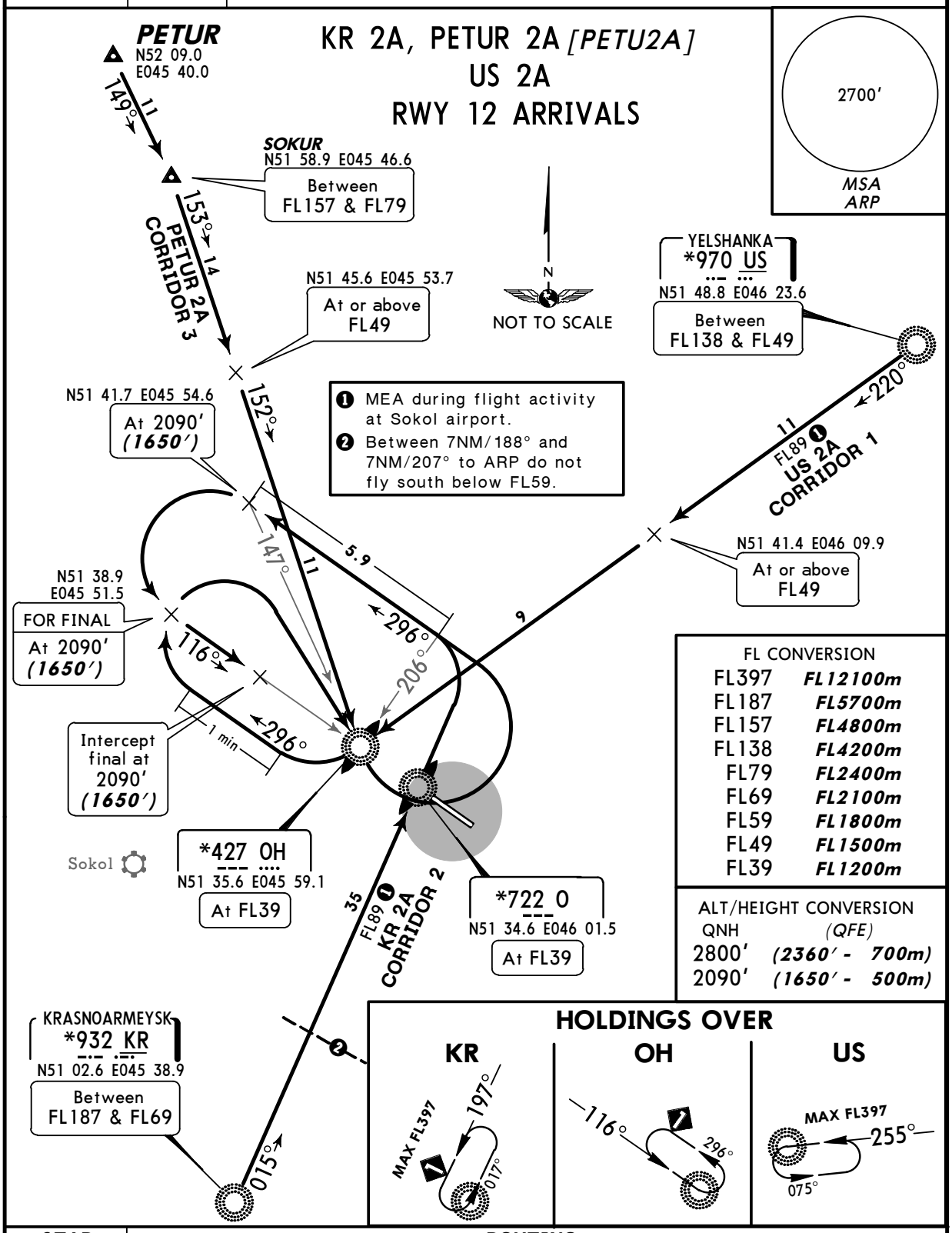
UWSS/RTW
TSENTRALNY

JEPPESEN
21 MAY 10 (10-2)

SARATOV, RUSSIA
STAR

ATIS	Apt Elev
135.1	499′

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is less than 746 mm (994.6hPa)
FL59 if pressure is less than 719 mm (958.6hPa)
Trans alt: 2800′ ***(2360′)***
Noise abatement procedures shall be executed according to Flight Manual.



FL CONVERSION	
FL397	***FL12100m***
FL187	***FL5700m***
FL157	***FL4800m***
FL138	***FL4200m***
FL79	***FL2400m***
FL69	***FL2100m***
FL59	***FL1800m***
FL49	***FL1500m***
FL39	***FL1200m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
2800′	***(2360′ - 700m)***
2090′	***(1650′ - 500m)***

STAR	ROUTING
KR 2A	015° bearing to O, turn LEFT, 296° track, at N51 41.7 E045 54.6 (147° bearing to OH) turn LEFT, intercept 116° bearing towards OH to intercept final.
PETUR 2A	153° bearing to OH, turn LEFT, 296° track, at N51 41.7 E045 54.6 (147° bearing to OH) turn LEFT, intecept 116° bearing towards OH to intercept final.
US 2A	220° bearing to OH, turn RIGHT, 296° track for 1 min, turn RIGHT to OH, turn LEFT, 296° track, at N51 41.7 E045 54.6 (147° bearing to OH) turn LEFT, intercept 116° bearing towards OH to intercept final.

CHANGES: None.

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UWSS/RTW
TSENTRALNY

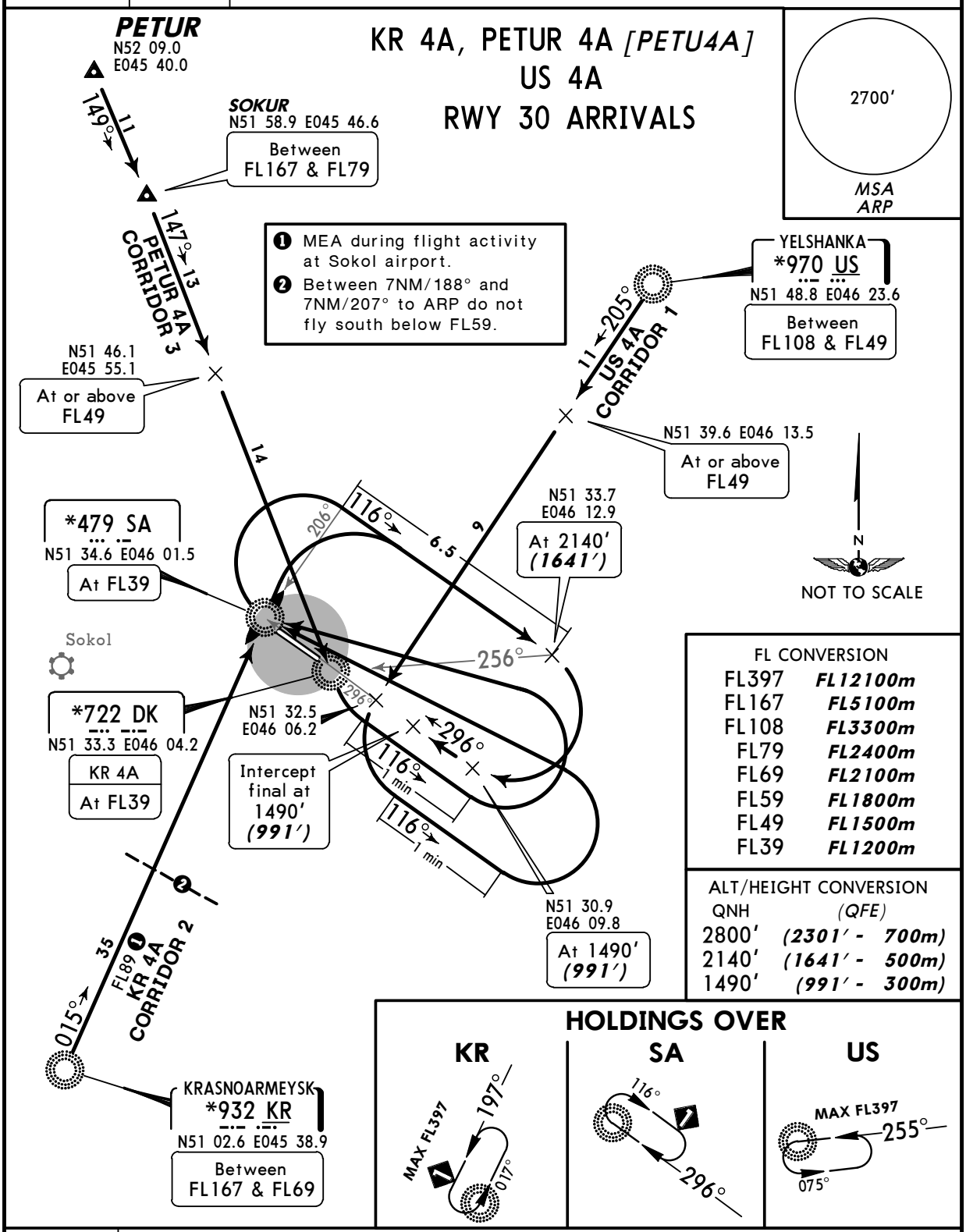
JEPPESEN
21 MAY 10 (10-2A)

SARATOV, RUSSIA
STAR

ATIS	Apt Elev
135.1	499′

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL39
FL49 if pressure is less than 746 mm (994.6hPa)
FL59 if pressure is less than 719 mm (958.6hPa)
Trans alt: 2800′ ***(2301′)***
Noise abatement procedures shall be executed according to Flight Manual.

KR 4A, PETUR 4A *[PETU4A]*
US 4A
RWY 30 ARRIVALS



FL CONVERSION	
FL397	***FL12100m***
FL167	***FL5100m***
FL108	***FL3300m***
FL79	***FL2400m***
FL69	***FL2100m***
FL59	***FL1800m***
FL49	***FL1500m***
FL39	***FL1200m***

ALT/HEIGHT CONVERSION		
QNH	*(QFE)*	
2800′	***(2301′ -***	***700m)***
2140′	***(1641′ -***	***500m)***
1490′	***(991′ -***	***300m)***

HOLDINGS OVER

STAR	ROUTING
KR 4A	015° bearing to SA, turn RIGHT, 116° track, at N51 33.7 E046 12.9 (256° bearing to DK) turn RIGHT, intercept 296° bearing towards DK to intercept final.
PETUR 4A	147° bearing to DK, turn LEFT, 116° track for 1 min, turn LEFT to SA, turn RIGHT, 116° track, at N51 33.7 E046 12.9 (256° bearing to DK) turn RIGHT, intercept 296° bearing towards DK to intercept final.
US 4A	205° bearing, at 296° bearing to SA turn LEFT, 116° track for 1 min, turn LEFT to SA, turn RIGHT, 116° track, at N51 33.7 E046 12.9 (256° bearing to DK) turn RIGHT, intercept 296° bearing towards DK to intercept final.

CHANGES: STARs revised.

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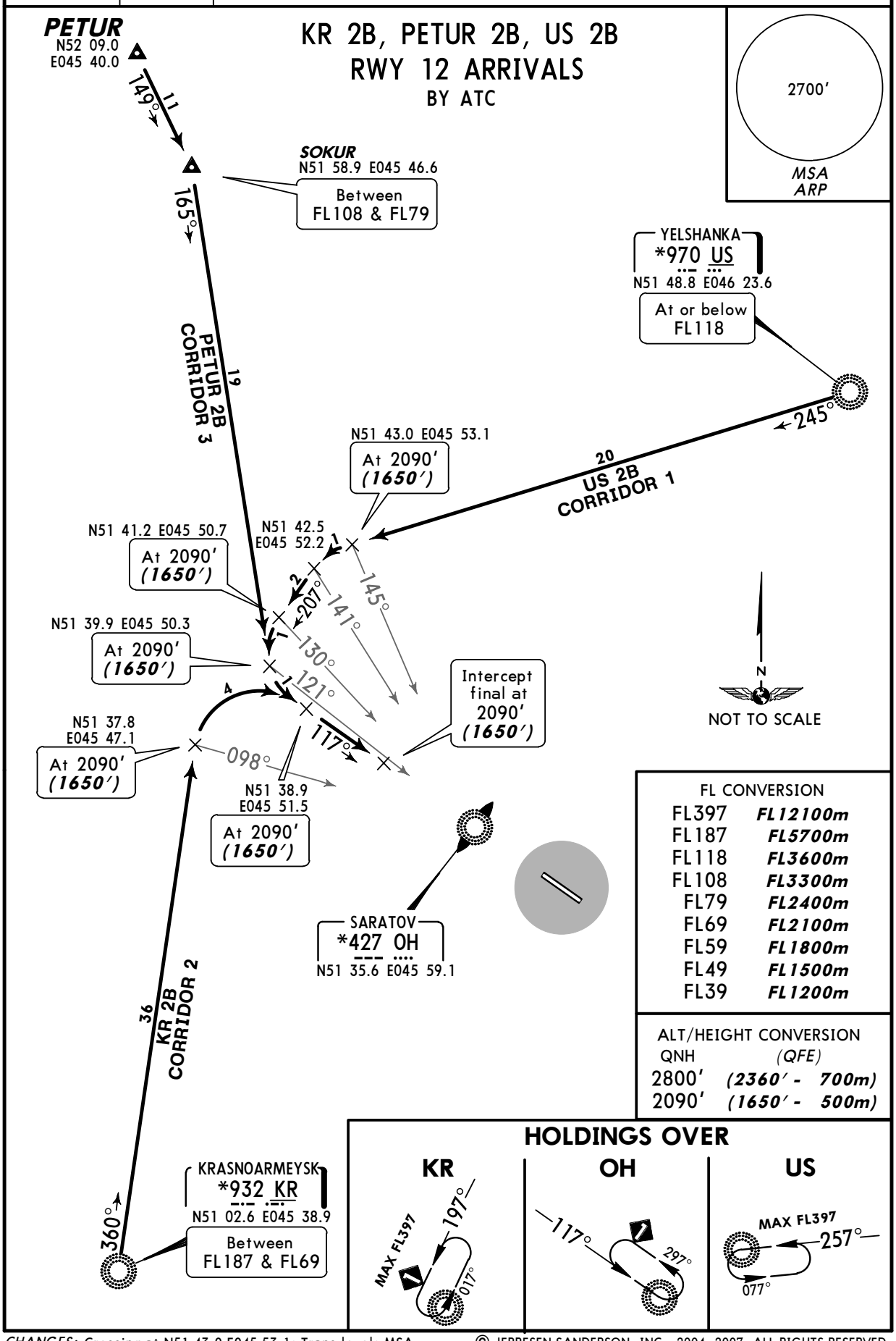
UWSS/RTW
TSENTRALNY

JEPPESEN
2 MAR 07 10-2B Eff 15 Mar

SARATOV, RUSSIA
STAR

ATIS	Apt Elev	
135.1	499′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL39 FL49 if pressure is less than 746mm (994.6hPa) FL59 if pressure is less than 719mm (958.6hPa) Trans alt: 2800′ ***(2360′)*** Noise abatement procedures shall be executed according to Flight Manual.



FL CONVERSION

FL397	***FL12100m***
FL187	***FL5700m***
FL118	***FL3600m***
FL108	***FL3300m***
FL79	***FL2400m***
FL69	***FL2100m***
FL59	***FL1800m***
FL49	***FL1500m***
FL39	***FL1200m***

ALT/HEIGHT CONVERSION

QNH	*(QFE)*
2800′	***(2360′ - 700m)***
2090′	***(1650′ - 500m)***

CHANGES: Crossing at N51 43.0 E045 53.1; Trans level; MSA.

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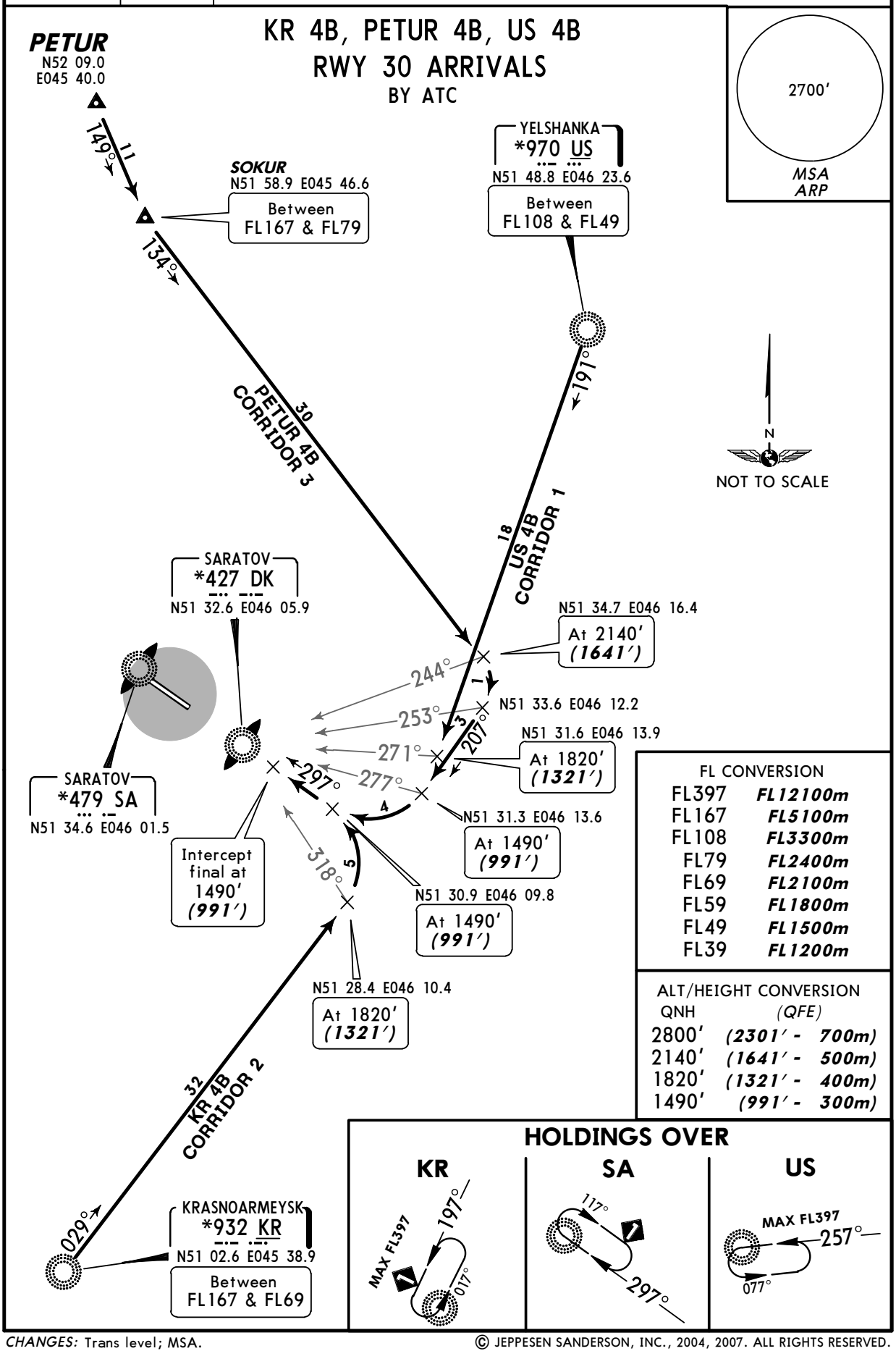
UWSS/RTW
TSENTRALNY

JEPPESEN
2 MAR 07 10-2C Eff 15 Mar

SARATOV, RUSSIA
STAR

ATIS	Apt Elev	
135.1	499′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL39 FL49 if pressure is less than 746mm (994.6hPa) FL59 if pressure is less than 719mm (958.6hPa) Trans alt: 2800′ ***(2301′)*** Noise abatement procedures shall be executed according to Flight Manual.

KR 4B, PETUR 4B, US 4B
RWY 30 ARRIVALS
BY ATC



FL CONVERSION	
FL397	***FL12100m***
FL167	***FL5100m***
FL108	***FL3300m***
FL79	***FL2400m***
FL69	***FL2100m***
FL59	***FL1800m***
FL49	***FL1500m***
FL39	***FL1200m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
2800′	***(2301′ - 700m)***
2140′	***(1641′ - 500m)***
1820′	***(1321′ - 400m)***
1490′	***(991′ - 300m)***

CHANGES: Trans level; MSA.

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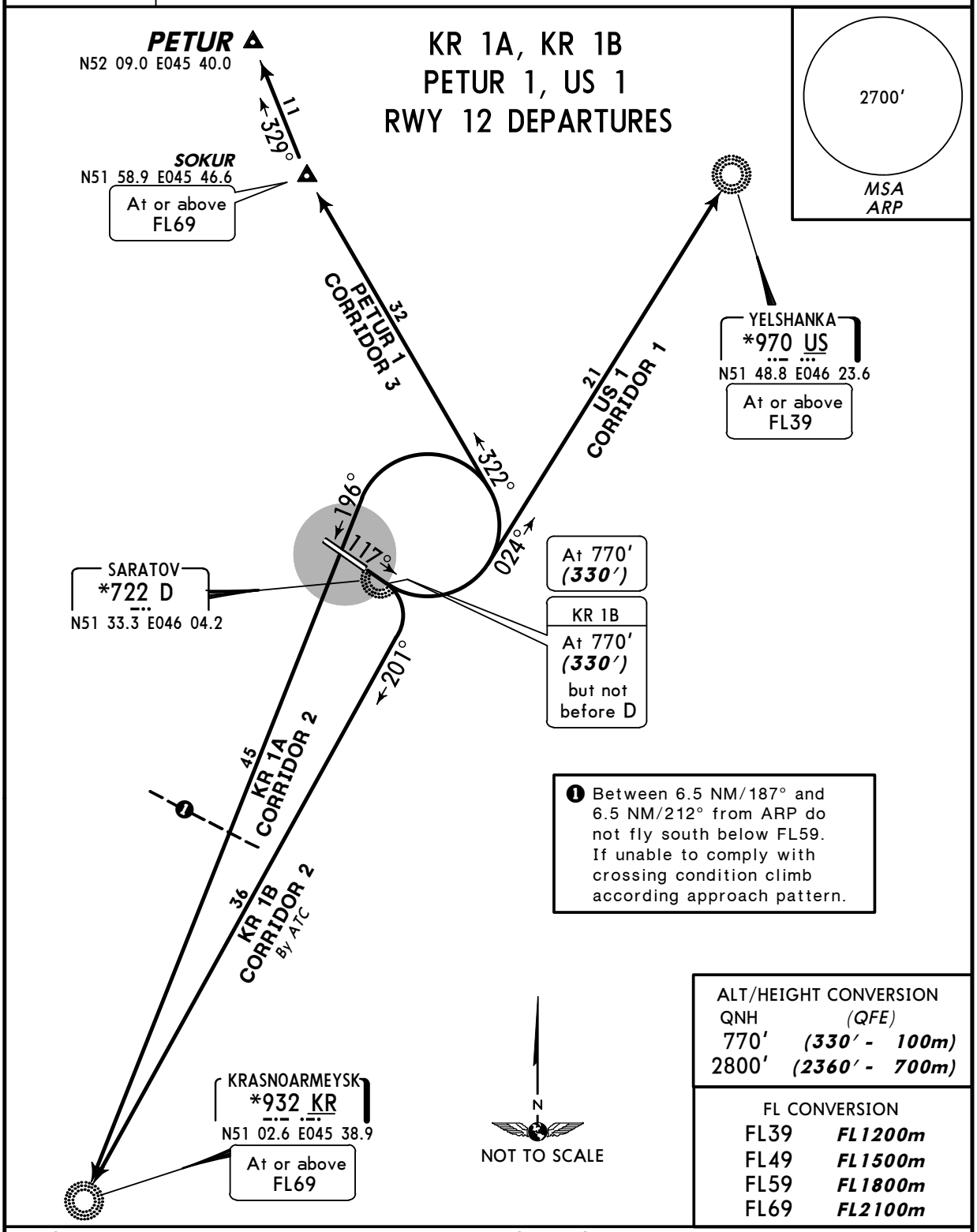
UWSS/RTW TSENTRALNY

SARATOV, RUSSIA

SID

Apt Elev 499′	QNH on request **(QFE)** Trans level: FL39 FL49 if pressure is less than 746mm (994.6hPa) FL59 if pressure is less than 719mm (958.6hPa) Trans alt: 2800′ ***(2360′)*** **1.** Noise abatement procedures shall be executed according to Flight Manual. **2.** During take-off climbing shall be carried out with maximum possible climb gradient. **3.** Initial turn shall be executed with bank angle 20°.



SID	ROUTING
KR 1A	Climb straight ahead to 770′ ***(330′)***, turn LEFT, intercept 196° bearing to KR.
KR 1B By ATC	Climb straight ahead to 770′ ***(330′)***, turn RIGHT, intercept 201° bearing to KR.
PETUR 1	Climb straight ahead to 770′ ***(330′)***, turn LEFT, 322° track to SOKUR, then to PETUR.
US 1	Climb straight ahead to 770′ ***(330′)***, turn LEFT, intercept 024° bearing to US.

CHANGES: Trans level; MSA.

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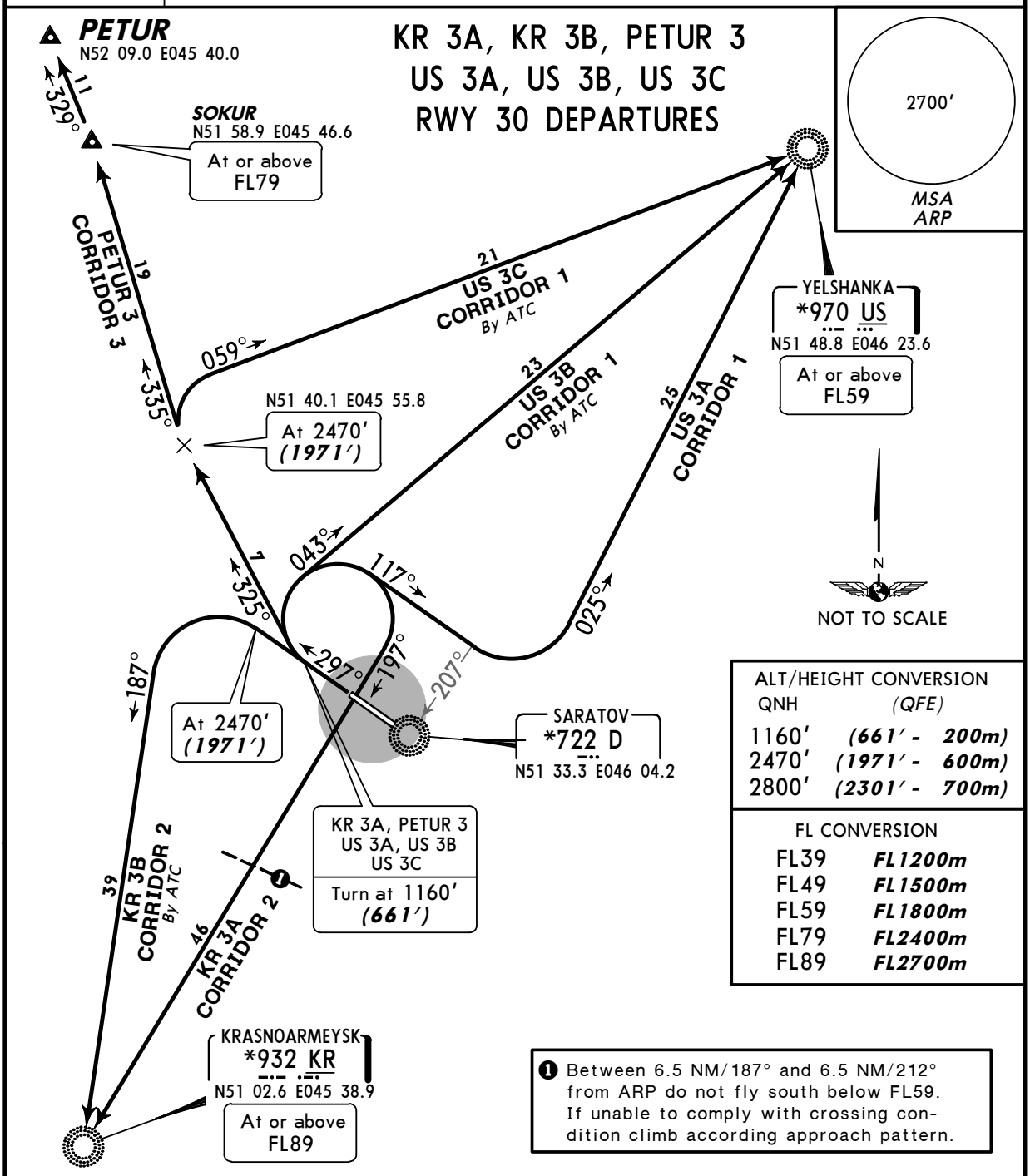
UWSS/RTW
TSENTRALNY

JEPPESEN
2 MAR 07 (10-3A) Eff 15 Mar

SARATOV, RUSSIA
SID

Apt Elev 499′	QNH on request **(QFE)** Trans level: FL39 FL49 if pressure is less than 746mm (994.6hPa) FL59 if pressure is less than 719mm (958.6hPa) Trans alt: 2800′ ***(2301′)*** **1.** Noise abatement procedures shall be executed according to Flight Manual. **2.** During take-off climbing shall be carried out with maximum possible climb gradient. **3.** Initial turn shall be executed with bank angle 20°.



ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
1160′	***(661′ - 200m)***
2470′	***(1971′ - 600m)***
2800′	***(2301′ - 700m)***

FL CONVERSION	
FL39	***FL1200m***
FL49	***FL1500m***
FL59	***FL1800m***
FL79	***FL2400m***
FL89	***FL2700m***

❶ Between 6.5 NM/187° and 6.5 NM/212° from ARP do not fly south below FL59. If unable to comply with crossing condition climb according approach pattern.

SID	ROUTING
KR 3A	Climb straight ahead to 1160′ ***(661′)***, turn RIGHT, intercept 197° bearing to KR.
KR 3B By ATC	Climb straight ahead to 2470′ ***(1971′)***, turn LEFT, intercept 187° bearing to KR.
PETUR 3	Climb straight ahead to 1160′ ***(661′)***, turn RIGHT, 325° track to N51 40.1 E045 55.8, 335° track to SOKUR, then to PETUR.
US 3A	Climb straight ahead to 1160′ ***(661′)***, turn RIGHT, 117° track to abeam D, intercept 025° bearing to US.
US 3B By ATC	Climb straight ahead to 1160′ ***(661′)***, turn RIGHT, intercept 043° bearing to US.
US 3C By ATC	Climb straight ahead to 1160′ ***(661′)***, turn RIGHT, 325° track to N51 40.1 E045 55.8, intercept 059° bearing to US.

CHANGES: Trans level; MSA.

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UWSS/RTW

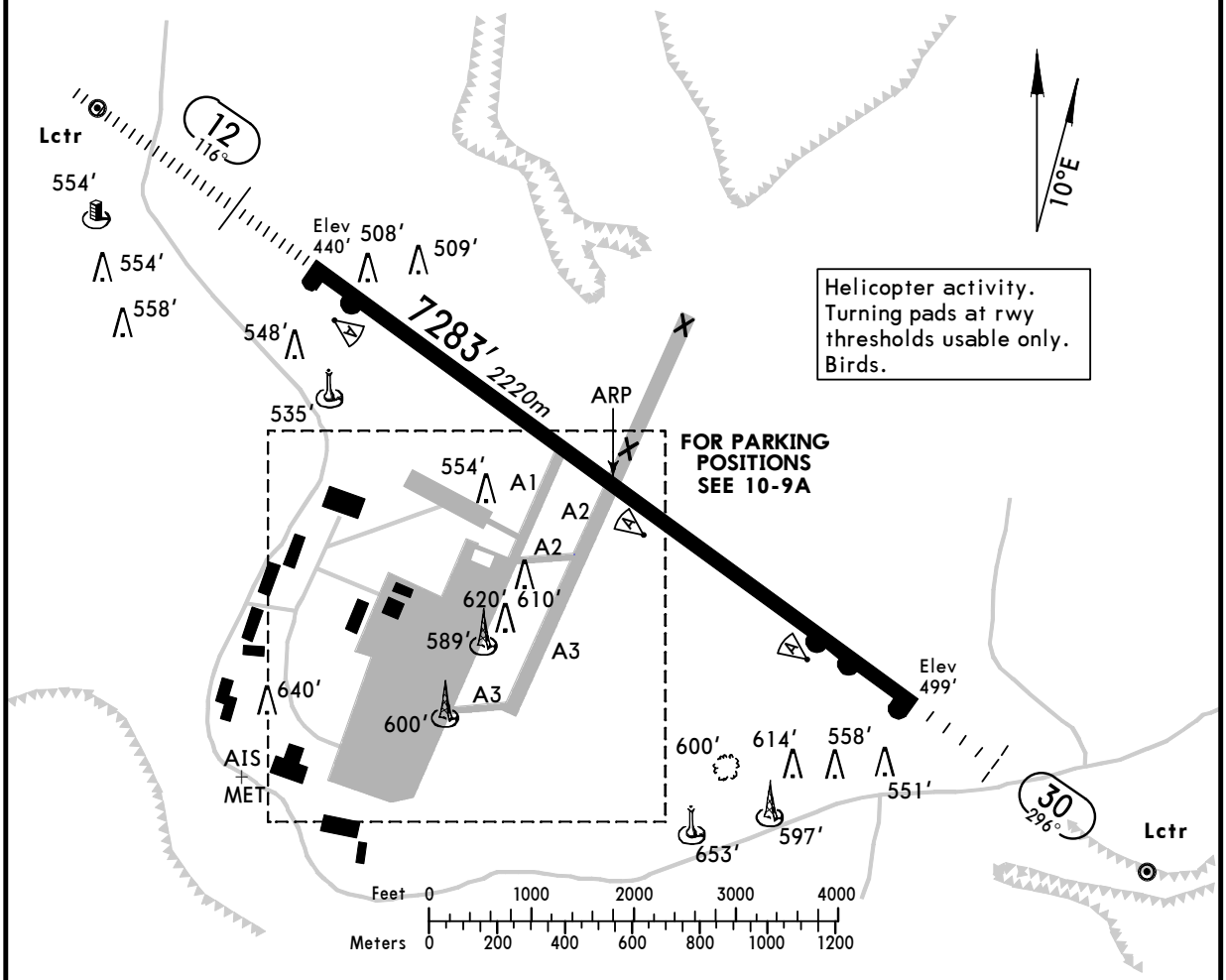
Apt Elev **499'**
N51 33.9 E046 02.8

JEPPESEN
12 SEP 08 (10-9) **Eff 25 Sep**

SARATOV, RUSSIA

TSENTRALNY

ATIS	SARATOV Ground	Tower
135.1	119.0	128.1



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
12	HIRL *(60m)* HIALS PAPI-L (angle 3.00°) RVR		6675' *2035m*	6890' *2100m* ❶	138' *42m*
30	HIRL *(60m)* ALS PAPI-L (angle 2.83°) RVR		5946' *1812m*		

❶ First 394'/120m 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	*250m*	*400m*
B		
C		
D	*300m*	

CHANGES: Variation. Rwy bearings. Lights.

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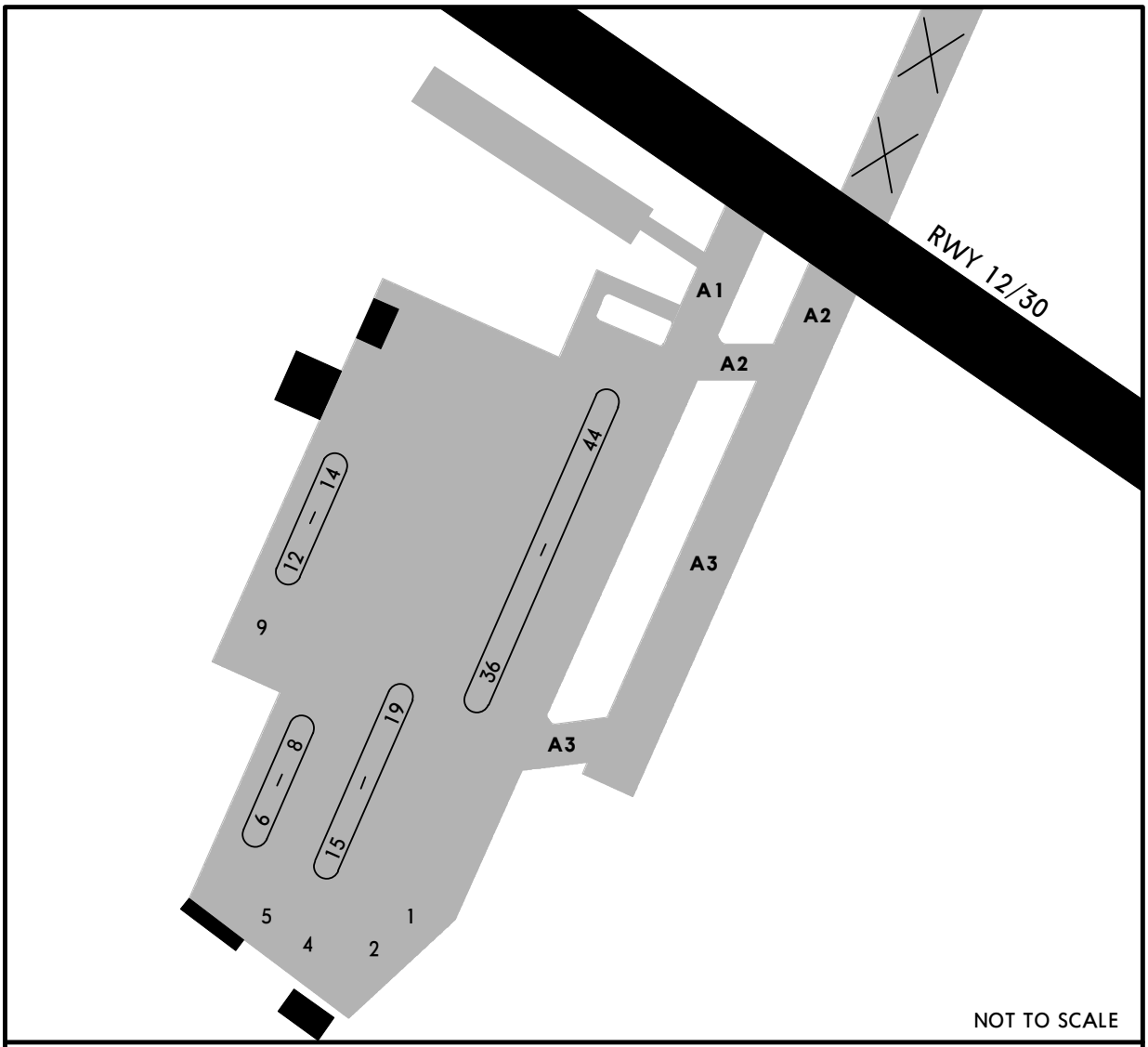

When visibility is less than 400m, acft shall be escorted by "follow me" vehicle while taxiing.
Taxiing via twys A1, A2 and A3 strictly along the centerline at reduced power.
Stands 1, 2, 8 and 41 thru 43 available for helicopters. Portion of twy A3 in North/South alignment is available for helicopters providing that portion of twy A3 in East/West alignment is closed.
Stands 4 thru 7, 9, 12 and 13 available only by towing.

NOISE ABATEMENT PROCEDURES

Noise abatement procedures shall be executed according to Aeroplane Flight Manual.
While executing noise abatement procedures following measures are obligatory:

- during take-off from rwy 12/30 climbing shall be carried out with maximum possible climb gradient.
- after take-off from rwy 30 for proceeding to Krasnoarmeysk NDB, the height of the initial turn shall be 1970'/600m.
- parking of AN-24 acft on to stands 4-7, at engines start-up and shutdown position for AN-24 acft shall be carried out by towing.
- the engines run up on running bay shall not be carried out at night.

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UWSS/RTW TSENTRALNY

JEPPESEN
23 APR 10 (11-1)

SARATOV, RUSSIA ILS or 2 NDB Rwy 12

BRIEFING STRIP ™

ATIS	SARATOV Radar	SARATOV Tower	Ground
135.1	120.4	128.1	119.0

LOC IOH **110.5**	Final Apch Crs **116°**	GS **LOM** 1211′ *(771′)*	ILS DA(H) 640′ *(200′)*	Apt Elev 499′
NDB OH **427**		Minimum Alt **LOM** 1220′ *(780′)*	NDB MDA(H) 850′ *(410′)*	RWY **440′**

2700′ MSA ARP

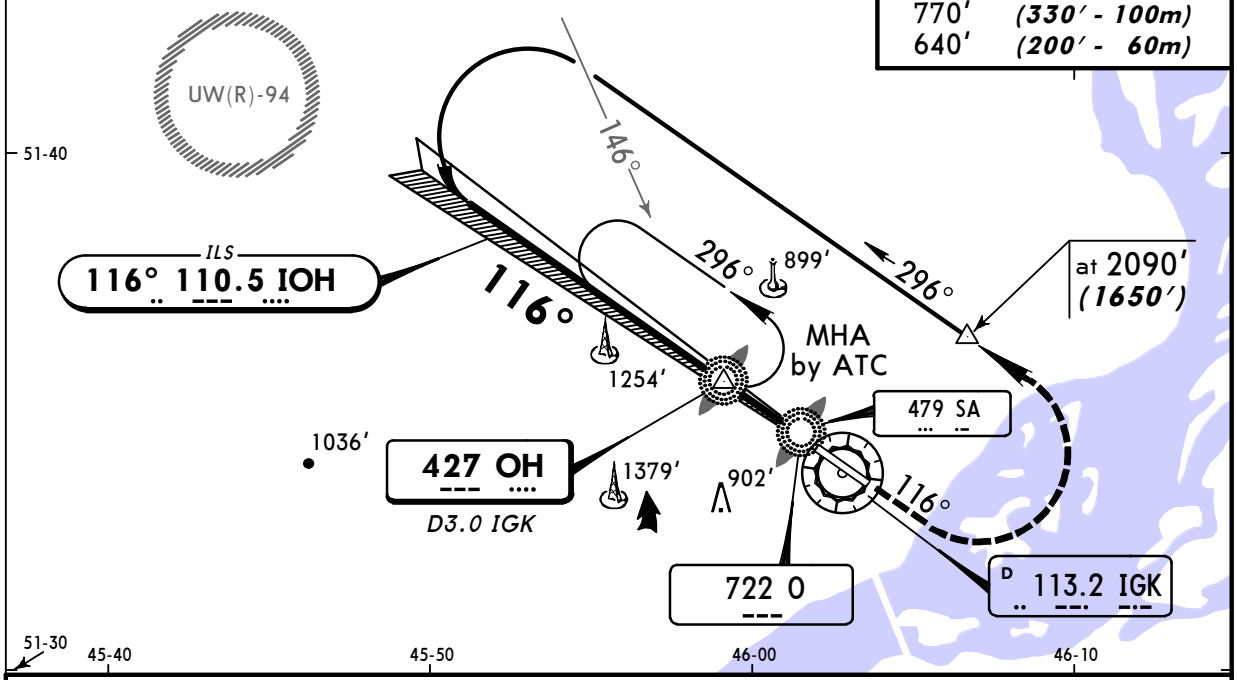
MISSED APCH: Climb on 116° to 770′*(330′)*, then turn LEFT onto 296° climbing to 2090′*(1650′)*, then according to chart.

Alt Set: MM (hPa on req) QNH on req **(QFE)** Trans level: FL 39 ❶ Trans alt: 2800′ ***(2360′)***
WARNING: Heavy turbulence with downdrafts may be expected on final.

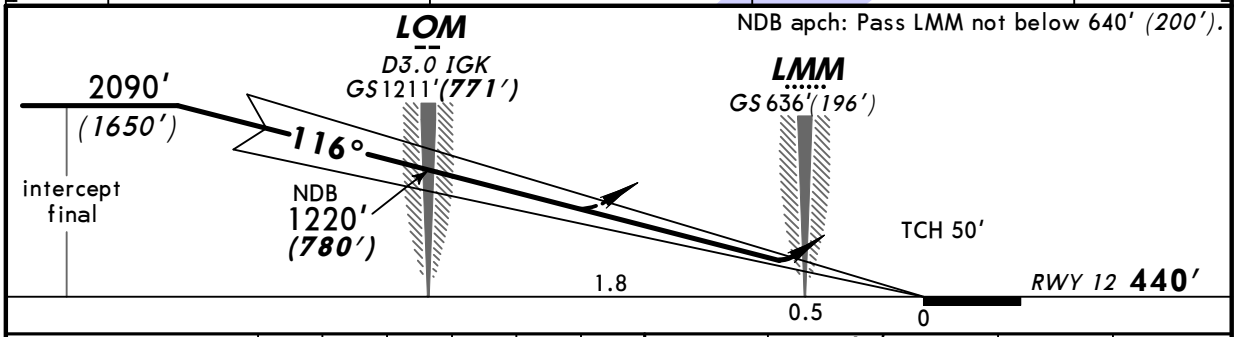
❶ FL 49 if pressure is less than 746 mm (994.6 hPa).
FL 59 if pressure is less than 719 mm (958.6 hPa).

ALT/HEIGHT CONVERSION

QNH	*(QFE)*
2800′	***(2360′ - 700m)***
2090′	***(1650′ - 500m)***
1220′	***(780′ - 235m)***
770′	***(330′ - 100m)***
640′	***(200′ - 60m)***



NDB apch: Pass LMM not below 640′ *(200′)*.



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or NDB Desc angle 3.00°	377	484	538	646	753	861

HIALS PAPI | 770′ *(330′)* on 116° | 296° LT | 2090′ *(1650′)*

STRAIGHT-IN LANDING RWY **12**

PANS OPS

	ILS DA(H) 640′ *(200′)* FULL	ILS DA(H) 640′ *(200′)* ALS out	LOC (GS out)	NDB MDA(H) 850′ *(410′)*	NDB MDA(H) 850′ *(410′)* ALS out
A	RVR *720m* VIS *800m*	*1200m*	NOT AUTHORIZED	*1300m*	*2100m*
B					
C					
D				*1700m*	

CHANGES: None.

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UWSS/RTW TSENTRALNY

JEPPESEN
23 APR 10 (11-2)

SARATOV, RUSSIA ILS or NDB Rwy 30

ATIS	SARATOV Radar	SARATOV Tower	Ground
135.1	120.4	128.1	119.0

BRIEFING STRIP ™

LOC IDK **109.1**	Final Apch Crs **296°**	GS **D2.6 IGK** 1204′ *(705′)*	ILS DA(H) Refer to Minimums	Apt Elev 499′
NDB DK **722**		Minimum Alt **RDP** 1490′ *(991′)*	NDB MDA(H) (CONDITIONAL) 900′ *(401′)*	RWY **499′**

2700′ MSA ARP

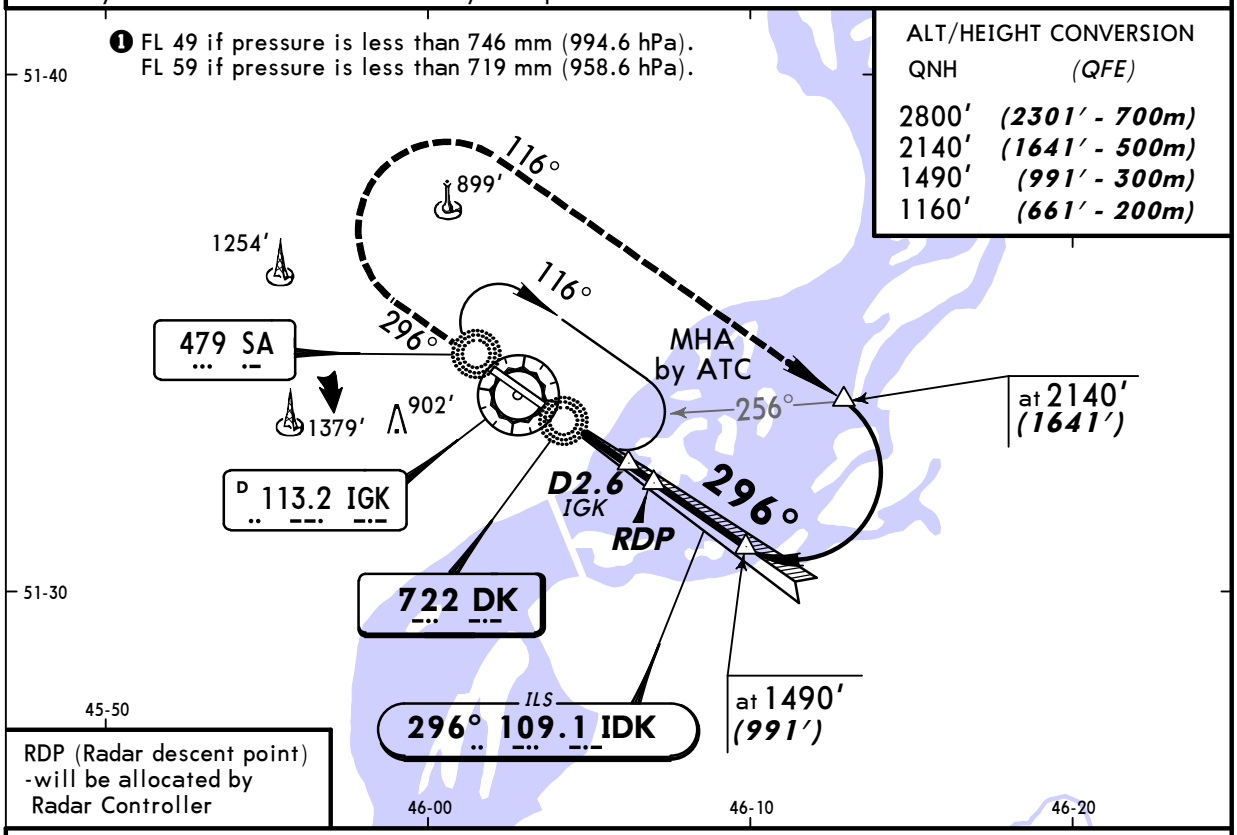
MISSED APCH: Climb on 296° to 1160′ *(661′)*, then turn RIGHT onto 116° climbing to 2140′ *(1641′)*, then according to chart.

Alt Set: MM (hPa on req) QNH on req **(QFE)** Trans level: FL 39 ❶ Trans alt: 2800′ ***(2301′)***
WARNING: 1. Ground Proximity Warning System is subject to brief functioning in vicinity of DK NDB. ACFT crews should strictly maintain glide path and vertical speed.
2. Heavy turbulence with downdrafts may be expected on final.

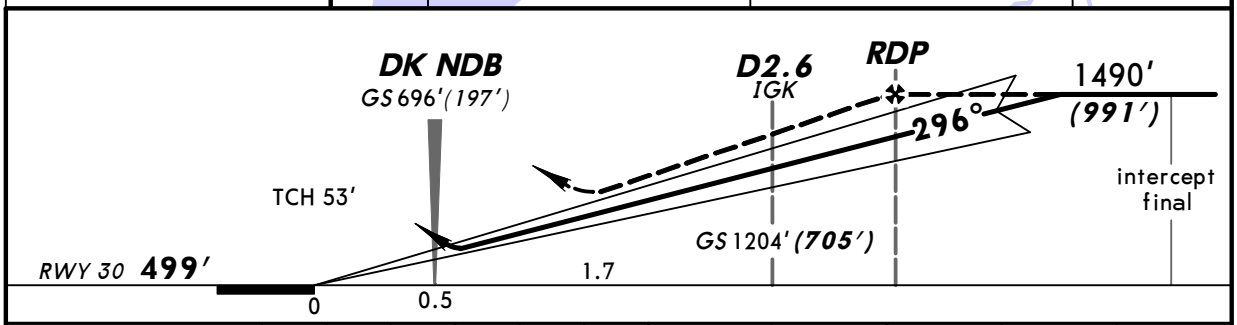
❶ FL 49 if pressure is less than 746 mm (994.6 hPa).
FL 59 if pressure is less than 719 mm (958.6 hPa).

ALT/HEIGHT CONVERSION

QNH	(QFE)
2800′	***(2301′ - 700m)***
2140′	***(1641′ - 500m)***
1490′	***(991′ - 300m)***
1160′	***(661′ - 200m)***



RDP (Radar descent point) -will be allocated by Radar Controller



Gnd speed-Kts		70	90	100	120	140	160
ILS GS	2.83°	356	457	508	610	711	813

ALS PAPI — 1160′ *(661′)* on 296° — 116° RT — 2140′ *(1641′)*

STRAIGHT-IN LANDING RWY **30**

	ILS		LOC (GS out)	NDB with FAF	NDB w/o FAF
DA(H)	ABC: 699′ *(200′)*	D: 702′ *(203′)*		MDA(H) 900′ *(401′)*	MDA(H) 1230′ *(731′)*
	FULL	ALS out		ALS out	ALS out

PANS OPS

A	1200m	NOT AUTH	RVR 1500m VIS 1600m	3200m
B				
C			RVR 1800m VIS 2000m	
D				3600m

CHANGES: Procedure.

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