

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 URWA

General Info

Astrakhan, RUS

N 46° 17.0' E 48° 00.4' Mag Var: 6.7°E

Elevation: -65'

Public, IFR, Control Tower, Customs, Landing Fee

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+4:00 no DST

Runway Info

Runway 09-27 10499' x 148' asphalt

Runway 11-29 6398' x 328' grass

Runway 09 (89.0°M) TDZE -72'

Lights: Edge, ALS

Runway 11 (113.0°M) TDZE -74'

Runway 27 (269.0°M) TDZE -70'

Lights: Edge, ALS

Runway 29 (293.0°M) TDZE -79'

Communications Info

ATIS **131.5** Non-English

ATIS **125.625**

Astrakhan Tower **129.0** Secondary

Astrakhan Tower **118.6** MF

Astrakhan Approach Control **129.0** Secondary

Astrakhan Approach Control **126.0** MF

Astrakhan Krug Radar **129.0** Secondary VHF-DF

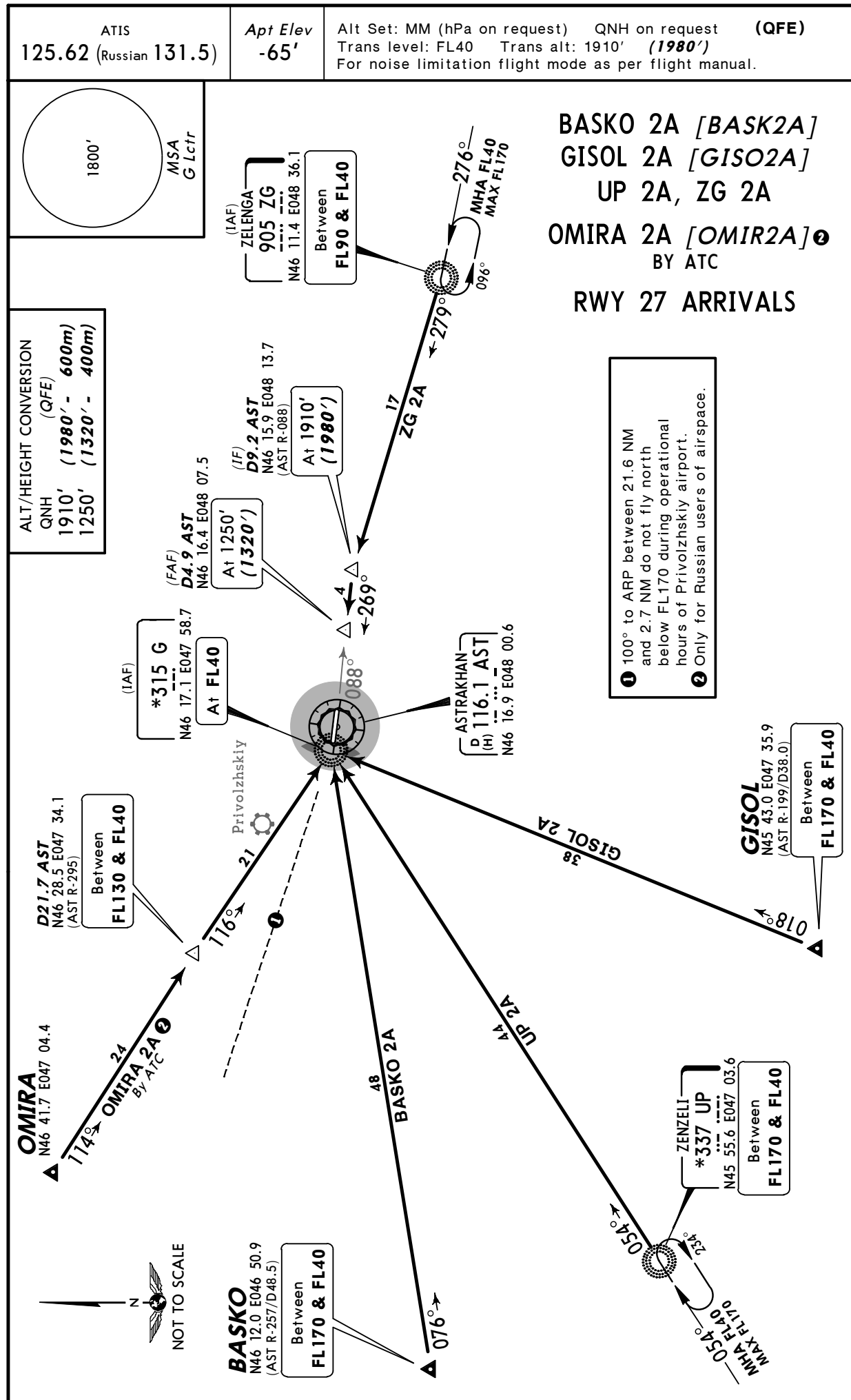
Astrakhan Krug Radar **120.6**

Notebook Info

URWA/ASF
ASTRAKHANJEPPESSEN
18 MAY 12 10-2 Eff 31 May

ASTRAKHAN, RUSSIA

STAR

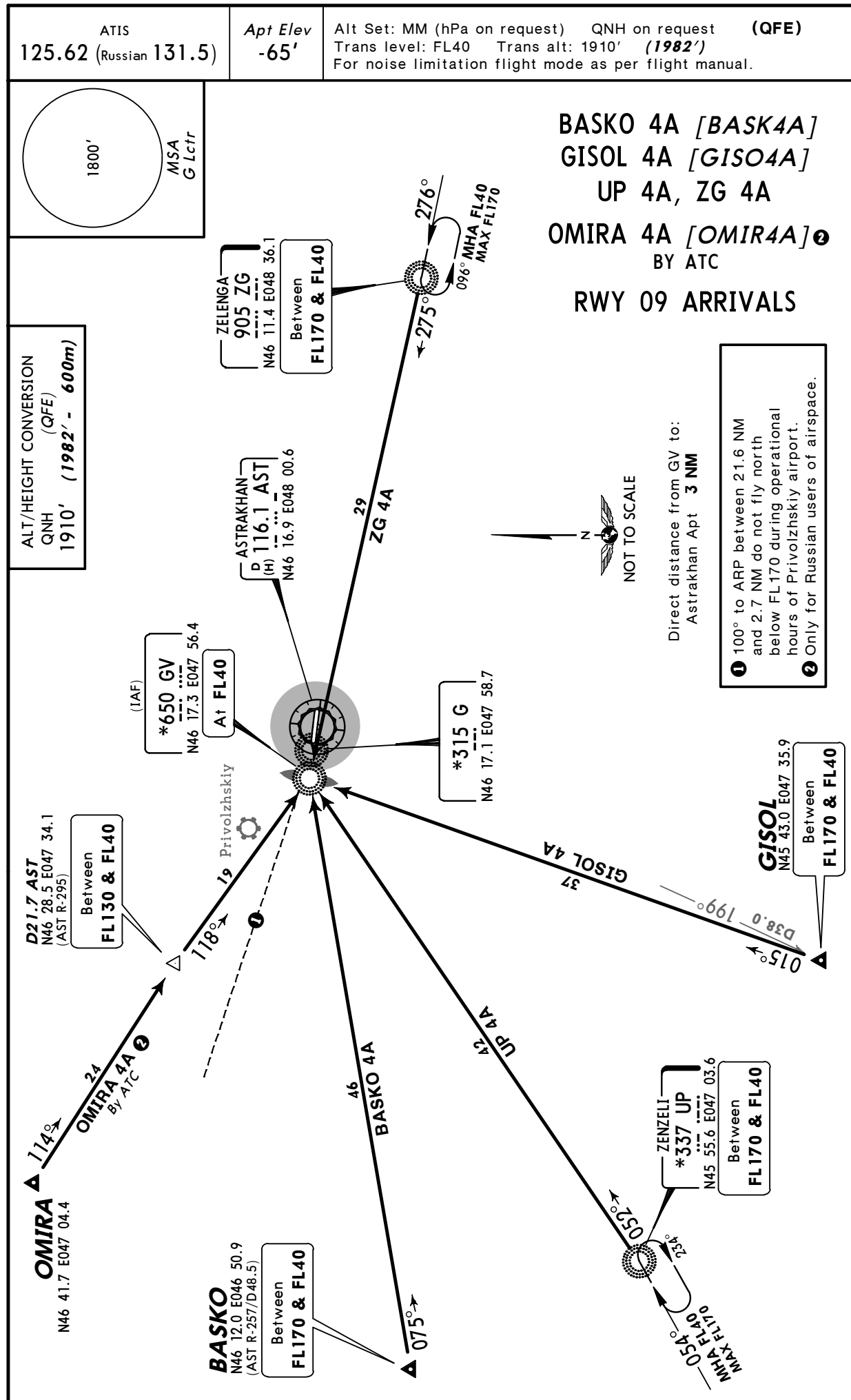


URWA/ASF
ASTRAKHAN

JEPPESSEN
18 MAY 12 **10-2A** Eff 31 May

ASTRAKHAN, RUSSIA

STAR



URWA/ASF
ASTRAKHAN

JEPPESEN

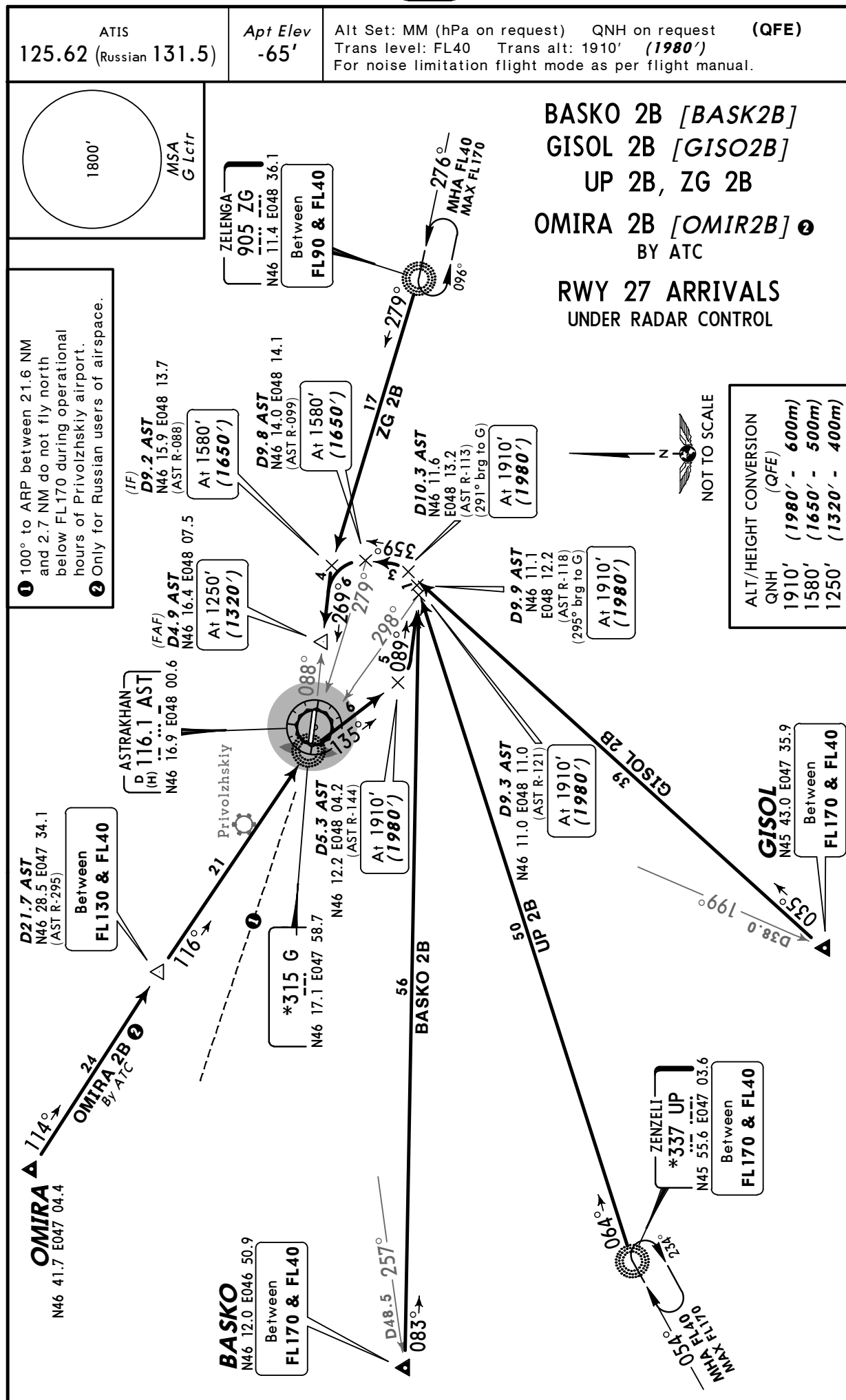
18 MAY 12

10-2B

Eff 31 May

ASTRAKHAN, RUSSIA

STAR



URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12 (10-2D) Eff 31 May

ASTRAKHAN, RUSSIA

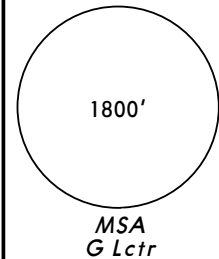
STAR

ATIS
125.62 (Russian 131.5)

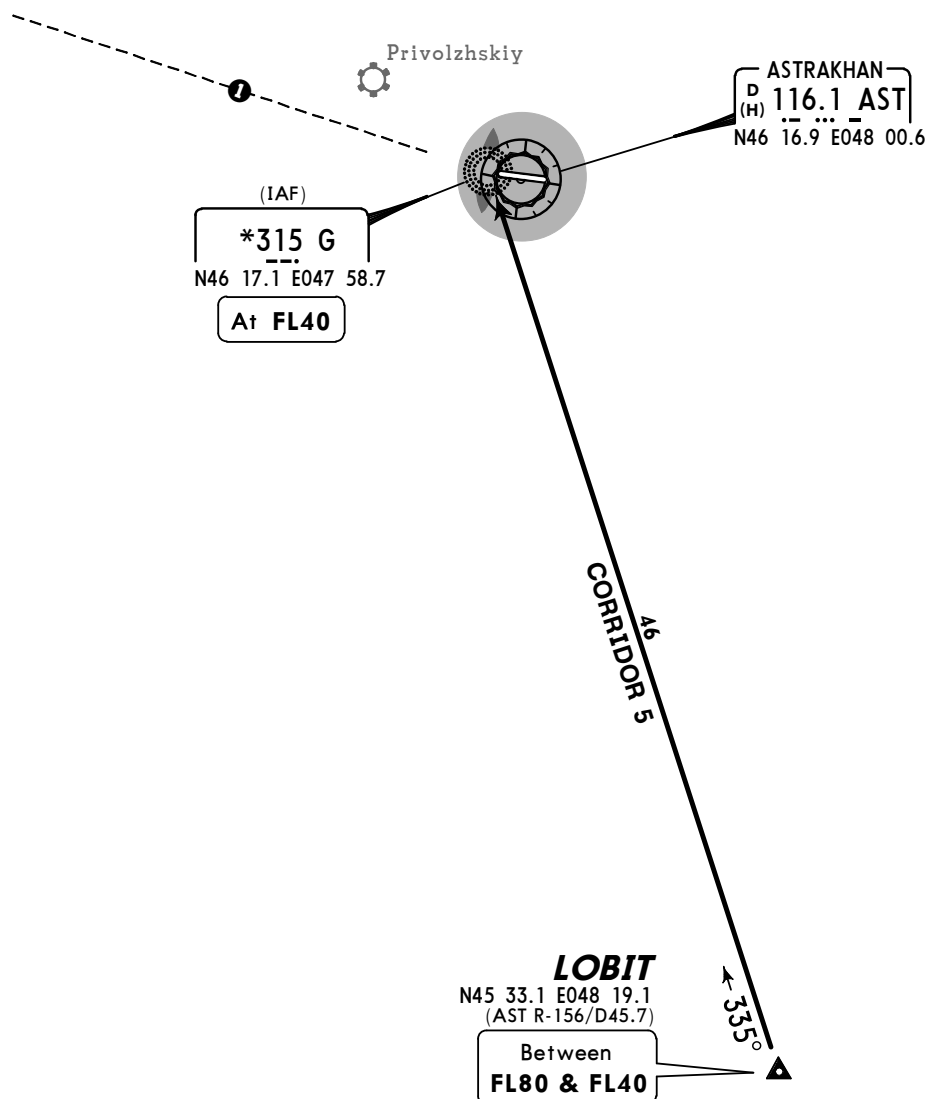
Apt Elev
-65'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40 Trans alt (hgt): 1910' (1980')
For noise limitation flight mode as per flight manual.

LOBIT 2A [LOBI2A]
RWY 27 ARRIVAL
FOR FLIGHTS FROM OIL RIG (PLATFORM) ONLY
FOR RUSSIAN USERS ONLY



① 100° to ARP between 21.6 NM and 2.7 NM
do not fly north below FL170 during
operational hours of Privolzhskiy airport.



ALT/HEIGHT CONVERSION
QNH (QFE)
1910' (1980' - 600m)

URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12 **10-2E** Eff 31 May

ASTRAKHAN, RUSSIA

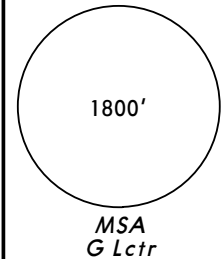
STAR

ATIS
125.62 (Russian 131.5)

Apt Elev
-65'

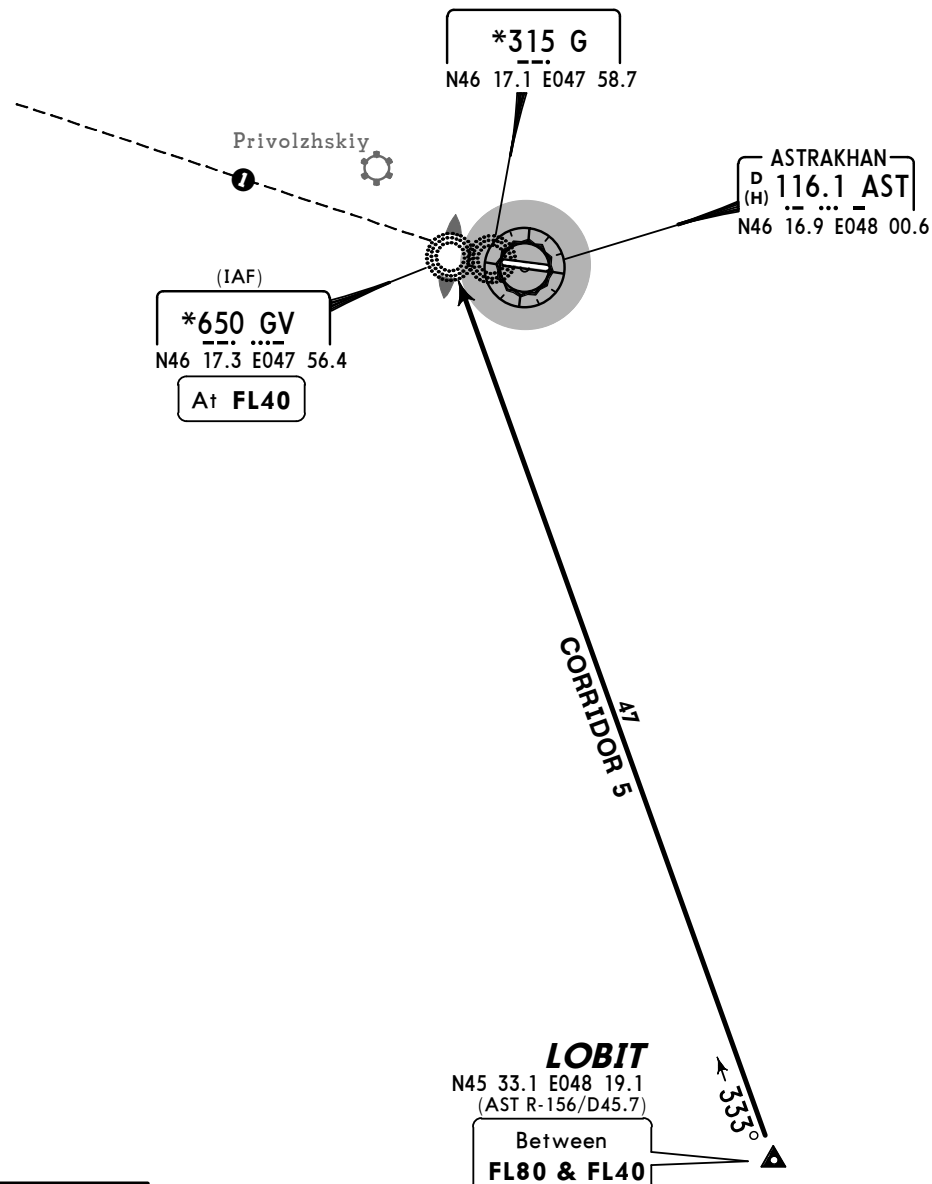
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40 Trans alt (hgt): 1910' (1982')
For noise limitation flight mode as per flight manual.

LOBIT 4A [LOB14A]
RWY 09 ARRIVAL
FOR FLIGHTS FROM OIL RIG (PLATFORM) ONLY
FOR RUSSIAN USERS ONLY



Direct distance from GV to:
Astrakhan Apt **3 NM**

① 100° to ARP between 21.6 NM and 2.7 NM
do not fly north below FL170 during
operational hours of Privolzhskiy airport.



ALT/HEIGHT CONVERSION
QNH (QFE)
1910' (1982' - 600m)

URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12 **10-2F** Eff 31 May

ASTRAKHAN, RUSSIA

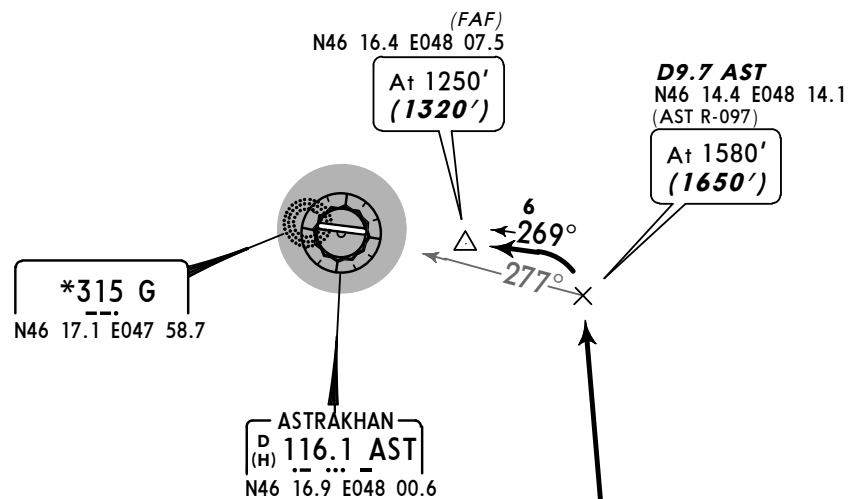
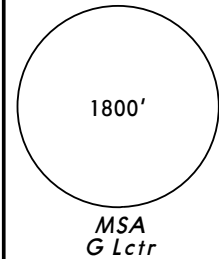
STAR

ATIS
125.62 (Russian 131.5)

Apt Elev
-65'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40 Trans alt (hgt): 1910' (1980')
For noise limitation flight mode as per flight manual.

LOBIT 2B [LOBI2B]
RWY 27 ARRIVAL
UNDER RADAR CONTROL
FOR FLIGHTS FROM OIL RIG (PLATFORM) ONLY
FOR RUSSIAN USERS ONLY



Direct distance from
N46 16.4 E048 07.5 to:
Astrakhan Apt **5 NM**

Arrival Data for ACFT MAX 160KT				
Point	Track	Dist	Coordinates	Brg (G)
LOBIT	347°	42	N46 15.2 E048 13.5	274°

ALT/HEIGHT CONVERSION	
QNH	(QFE)
1910'	(1980' - 600m)
1580'	(1650' - 500m)
1250'	(1320' - 400m)

LOBIT
N45 33.1 E048 19.1
Between
FL80 & FL40

URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12 10-2G Eff 31 May

ASTRAKHAN, RUSSIA

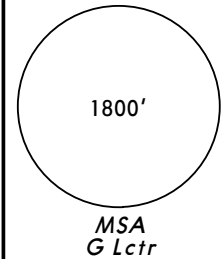
STAR

ATIS
125.62 (Russian 131.5)

Apt Elev
-65'

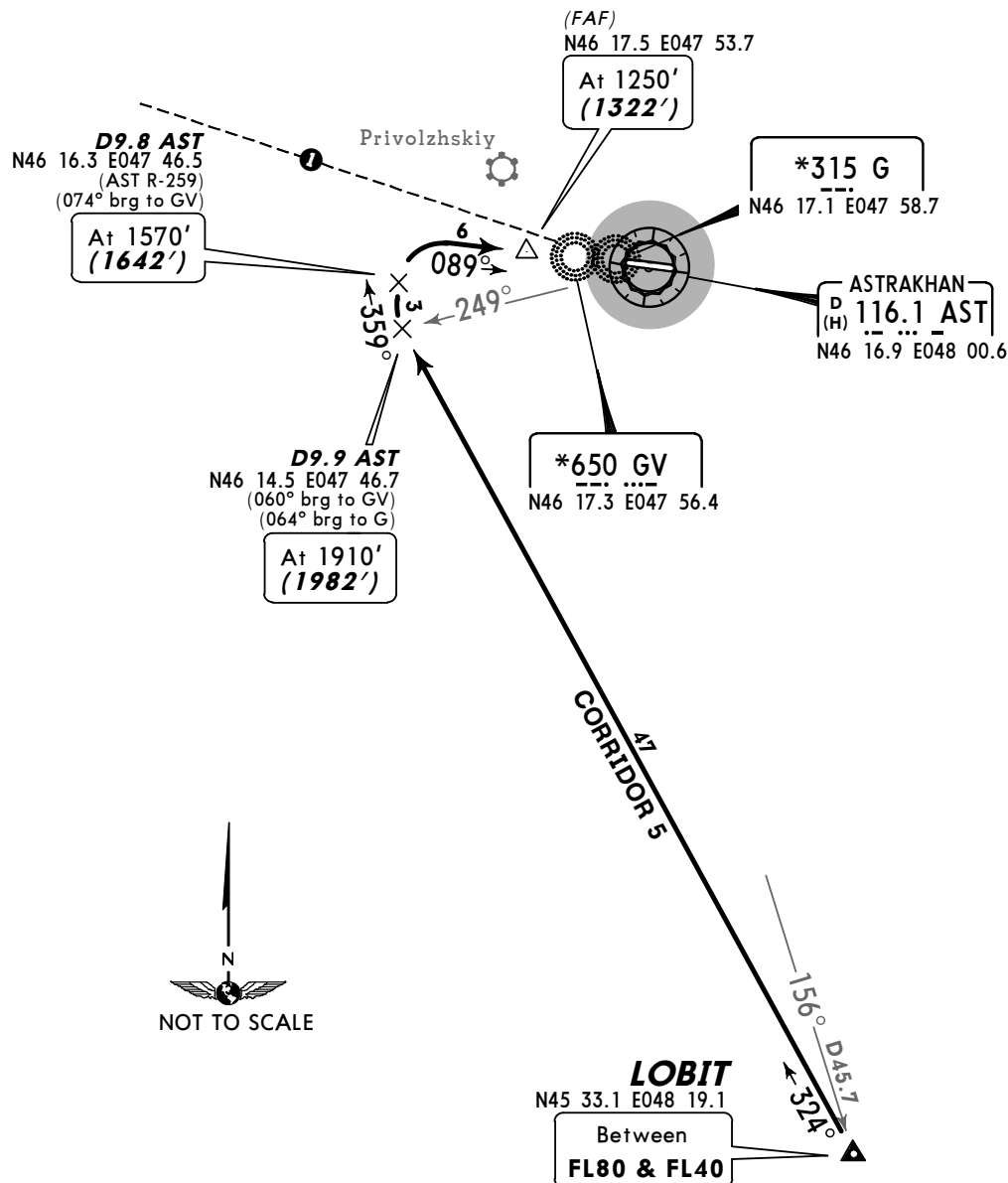
Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL40 Trans alt (hgt): 1910' (1982')
For noise limitation flight mode as per flight manual.

LOBIT 4B [LOBI4B]
RWY 09 ARRIVAL
UNDER RADAR CONTROL
FOR FLIGHTS FROM OIL RIG (PLATFORM) ONLY
FOR RUSSIAN USERS ONLY



① 100° to ARP between 21.6 NM and 2.7 NM do not fly north below FL170 during operational hours of Privolzhskiy airport.

Direct distance from
N46 17.5 E047 53.7 to:
Astrakhan Apt **5 NM**



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1910'	(1982' - 600m)
1570'	(1642' - 500m)
1250'	(1322' - 400m)

Arrival Data for ACFT MAX 160KT				
Point	Track	Dist	Coordinates	Brg (GV/G)
LOBIT	327°	48	N46 17.8 E047 50.4	069°/073°
	359°	4	N46 17.0 E047 49.3	079°/080°

URWA/ASF
ASTRAKHAN

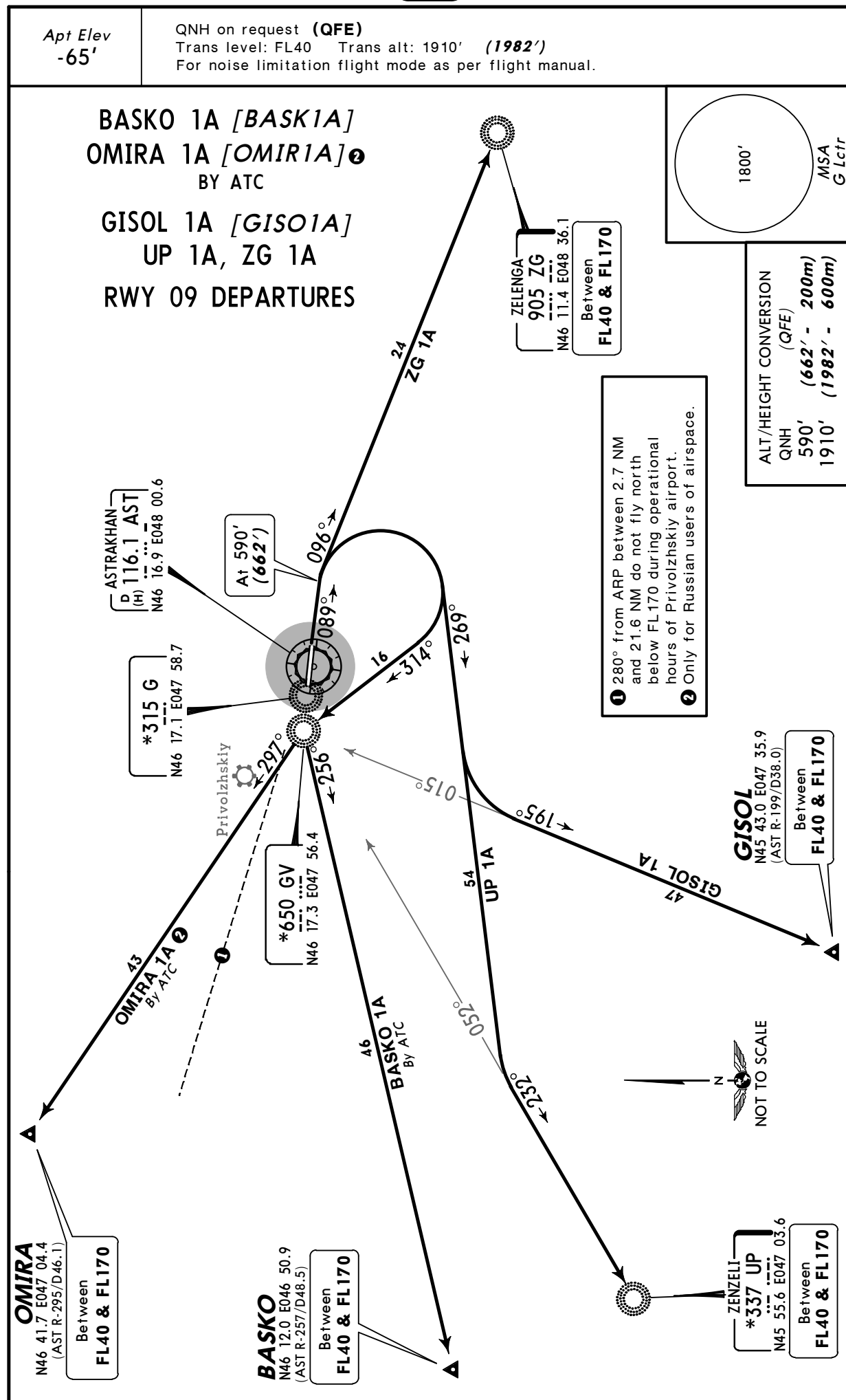
18 MAY 12

JEPPESEN

10-3

Eff 31 May

ASTRAKHAN, RUSSIA

SID

URWA/ASF
ASTRAKHANJEPPesen
18 MAY 12 (10-3A)

Eff 31 May

ASTRAKHAN, RUSSIA

SID

Apt Elev
-65'

QNH on request (QFE)

Trans level: FL40 Trans alt: 1910' (1980')

For noise limitation flight mode as per flight manual.

BASKO 3A [BASK3A]

GISOL 3A [GISO3A]

UP 3A, ZG 3A

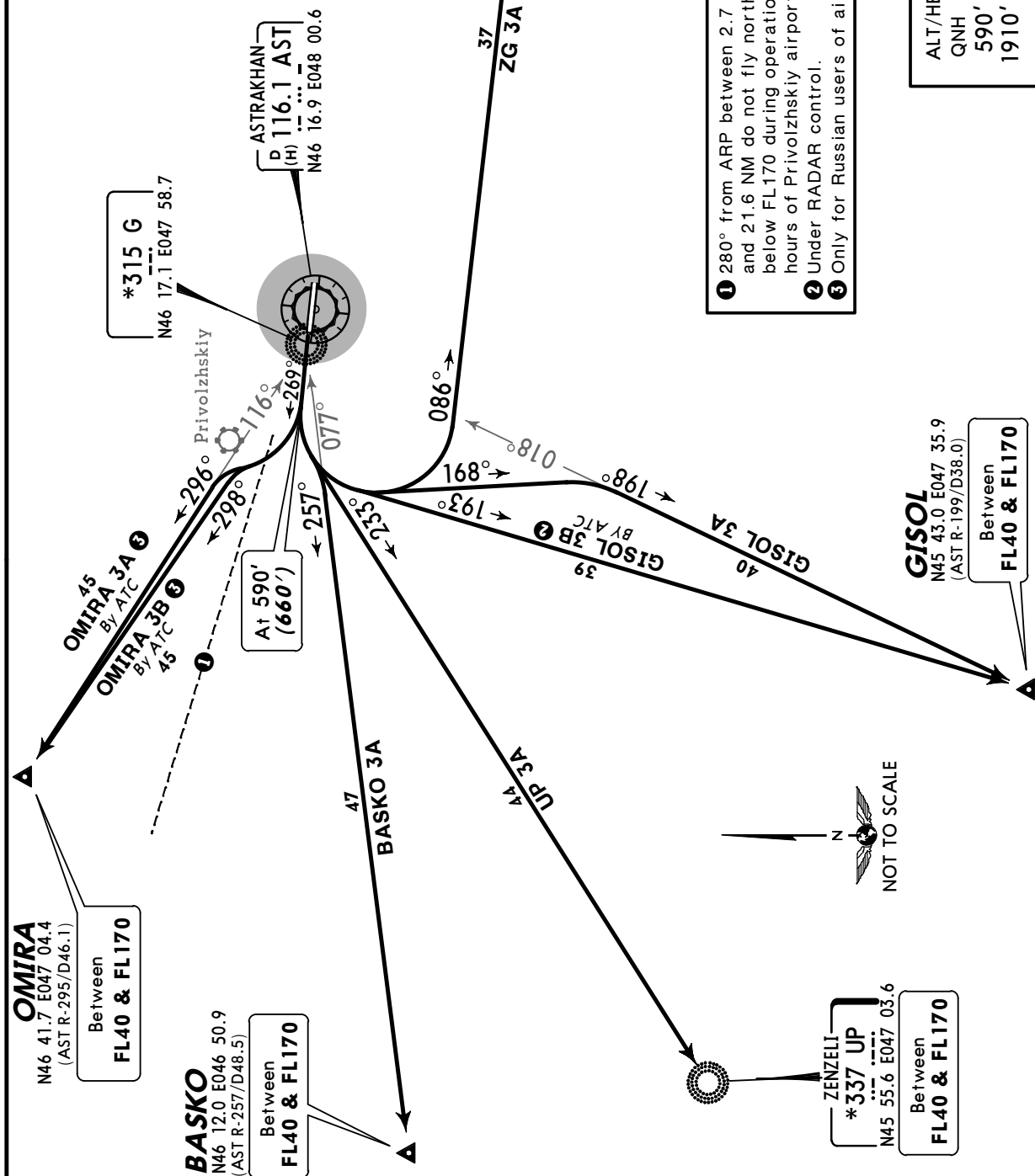
GISOL 3B [GISO3B] ②

OMIRA 3A [OMIR3A] ③

OMIRA 3B [OMIR3B] ③

BY ATC

RWY 27 DEPARTURES

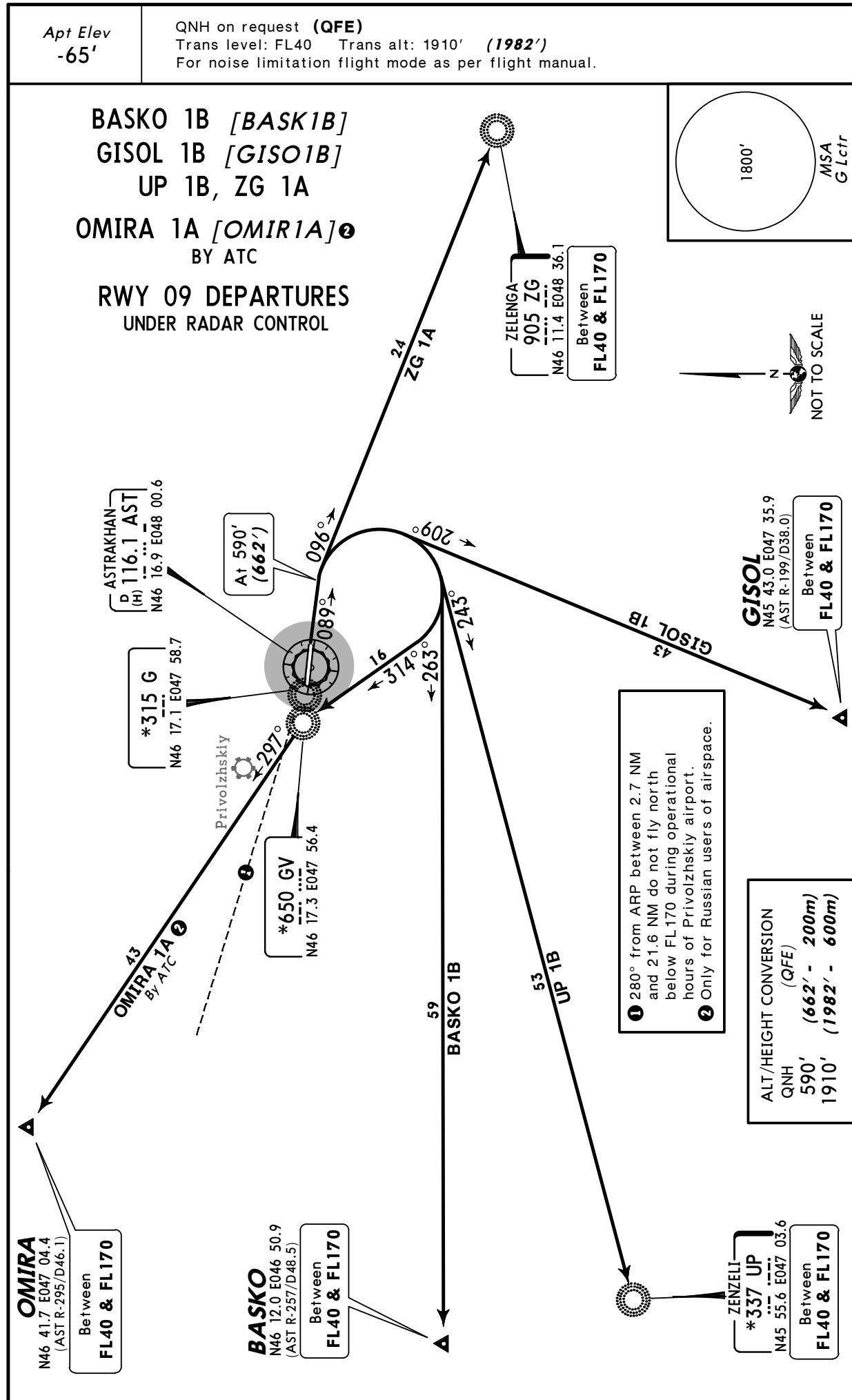


URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12 10-3B Eff 31 May

ASTRAKHAN, RUSSIA

SID



URWA/ASF
ASTRAKHAN

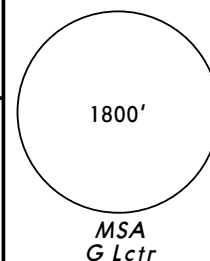
JEPPESEN
18 MAY 12 **10-3D** Eff 31 May

ASTRAKHAN, RUSSIA

SID

Apt Elev
-65'

QNH on request (QFE)
Trans level: FL40 Trans alt (hgt): 1910' (1982')
For noise limitation flight mode as per flight manual.

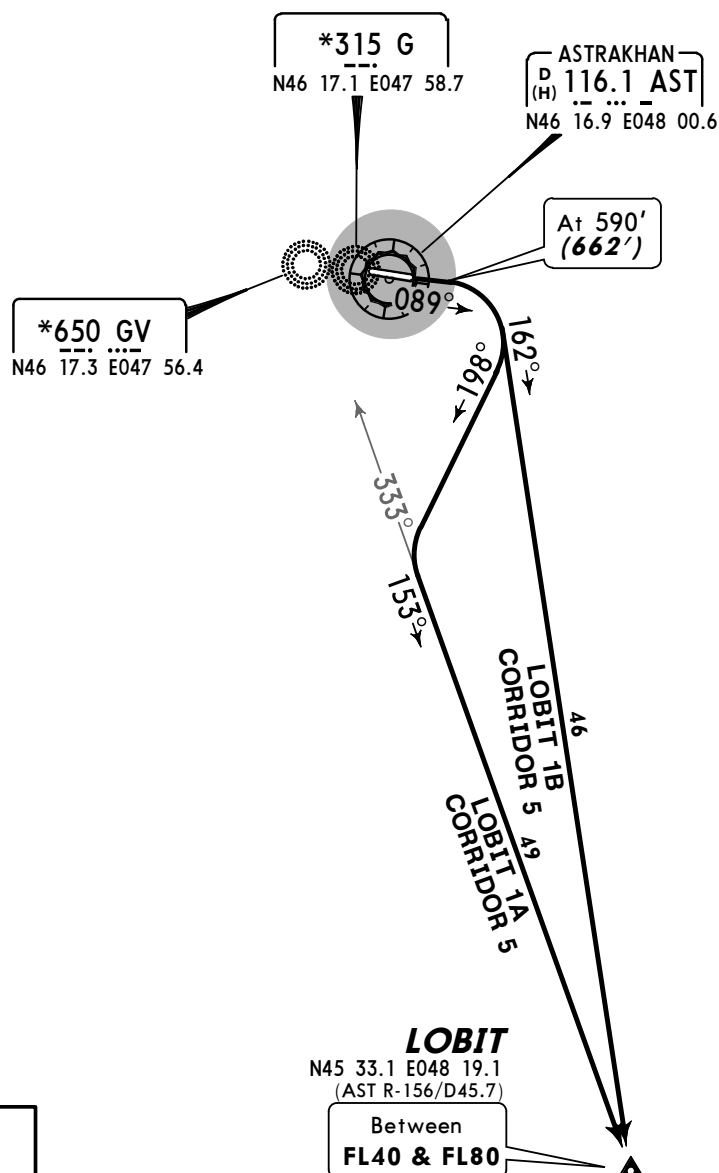
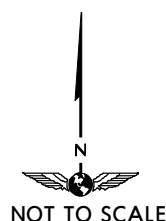


LOBIT 1A [LOB11A]

LOBIT 1B [LOB11B]
UNDER RADAR CONTROL

RWY 09 DEPARTURES
FOR FLIGHTS TO OIL RIG (PLATFORM) ONLY

FOR RUSSIAN USERS ONLY



ALT/HEIGHT CONVERSION
QNH (QFE)
590' (662' - 200m)
1910' (1982' - 600m)

SID	ROUTING
LOBIT 1A	Climb straight ahead to 590' (662'), turn RIGHT, 198° track, intercept 153° bearing from GV to LOBIT.
LOBIT 1B	Climb straight ahead to 590' (662'), turn RIGHT, 162° track to LOBIT.

URWA/ASF
ASTRAKHAN

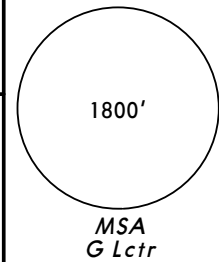
JEPPESSEN
18 MAY 12 **10-3E** **Eff 31 May**

ASTRAKHAN, RUSSIA

SID

Apt Elev
-65'

QNH on request **(QFE)**
Trans level: FL40 Trans alt (hgt): 1910' **(1980')**
For noise limitation flight mode as per flight manual.



LOBIT 3A [*LOBI3A*]

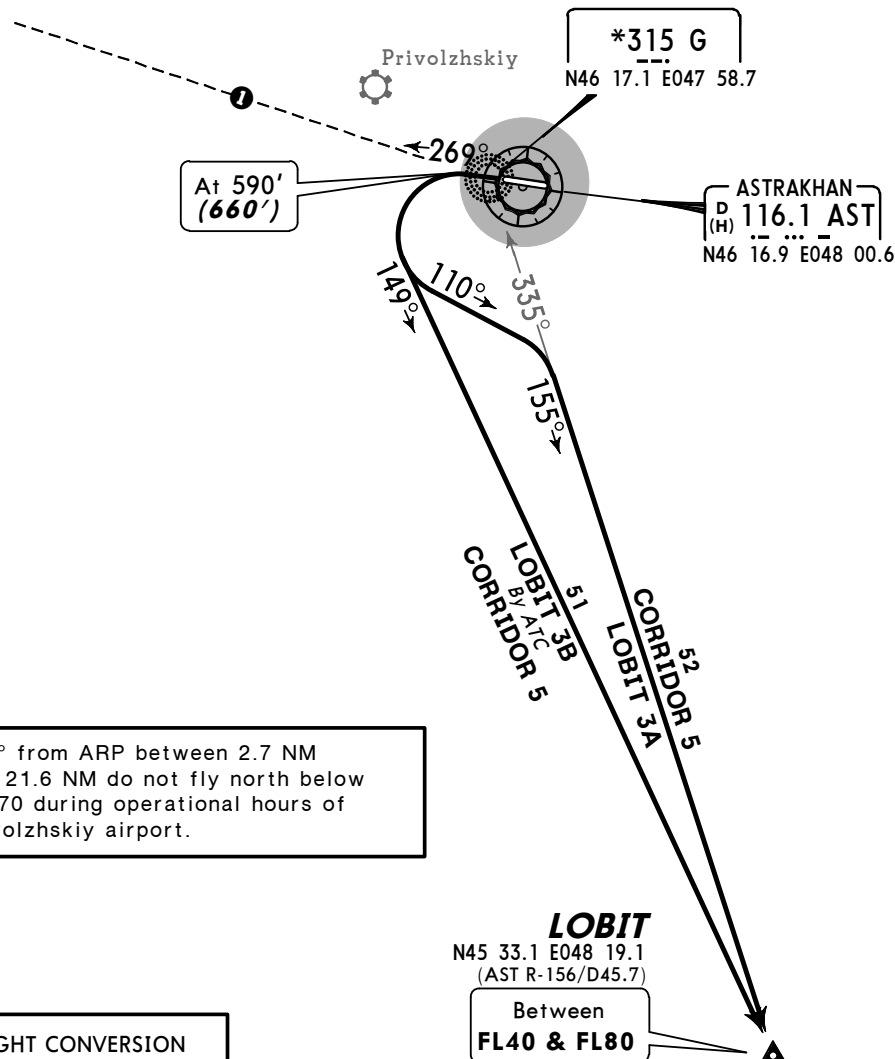
LOBIT 3B [*LOBI3B*]

UNDER RADAR CONTROL
BY ATC

RWY 27 DEPARTURES

FOR FLIGHTS TO OIL RIG (PLATFORM) ONLY

FOR RUSSIAN USERS ONLY



ALT/HEIGHT CONVERSION
QNH (QFE)
590' (660' - 200m)
1910' (1980' - 600m)

SID	ROUTING
LOBIT 3A	Climb straight ahead to 590' (660'), turn LEFT, 110° track, intercept 155° bearing from G to LOBIT.
LOBIT 3B	Climb straight ahead to 590' (660'), turn LEFT, 149° track to LOBIT.

URWA/ASF

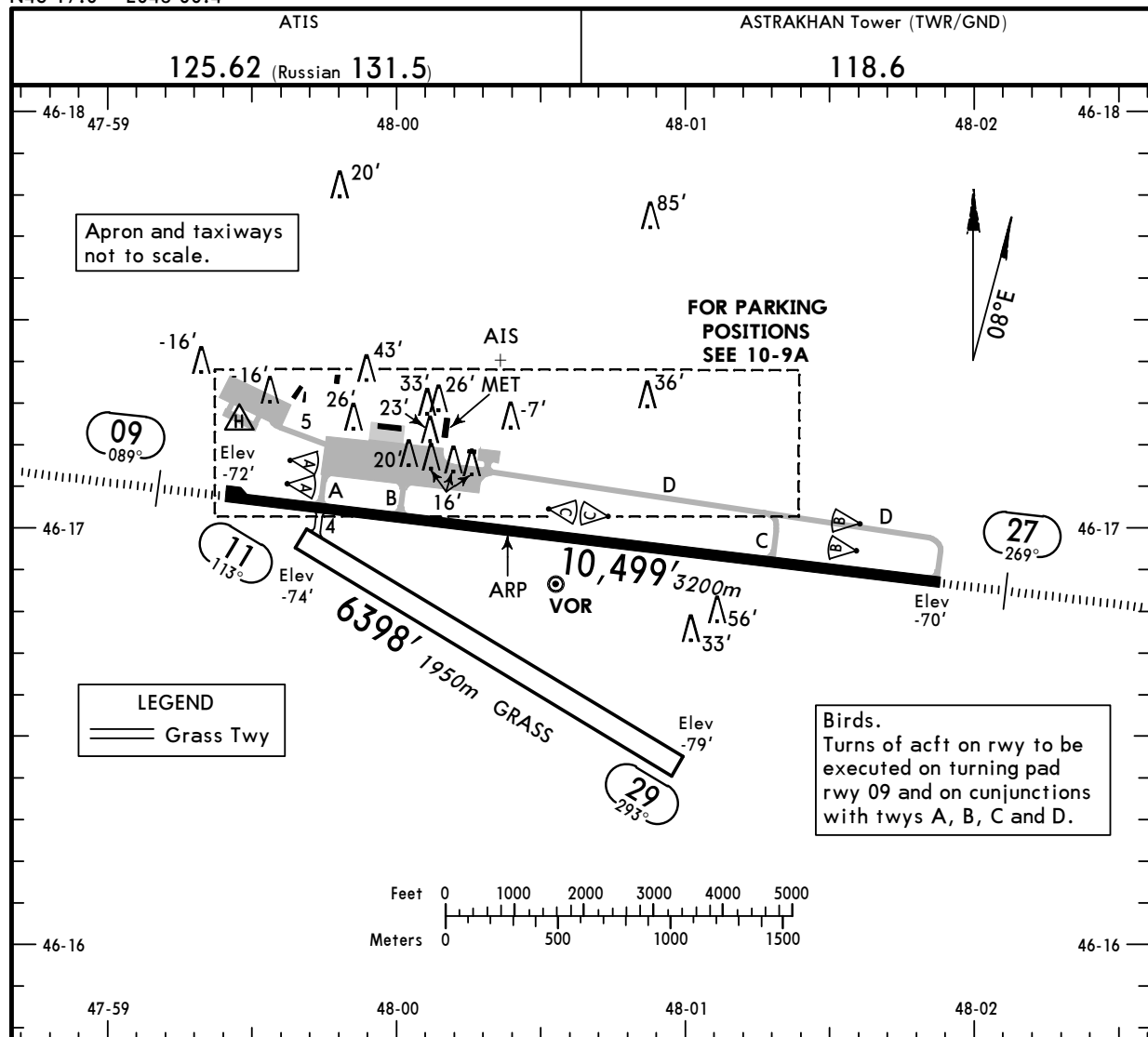
Apt Elev **-65'** (BELOW SEA LEVEL)
N46 17.0 E048 00.4

JEPPESEN

16 DEC 11 (10-9)

ASTRAKHAN, RUSSIA

ASTRAKHAN



ADDITIONAL RUNWAY INFORMATION

RWY					USABLE LENGTHS		TAKE-OFF	WIDTH
					Threshold	Landing Beyond		
09	27	HIRL (58m)	HIALS PAPI-L (angle 3.0°)	RVR		9588' 2922m	①	148' 45m
11	29							328' 100m

① TAKE-OFF RUN AVAILABLE

RWY 09:

From rwy head 10,499' (3200m)
twy A int 9058' (2761m)
twy B int 7867' (2398m)

RWY 27:

From rwy head 10,499' (3200m)
twy C int 8202' (2500m)

TAKE-OFF

AIR CARRIER (JAA)

Rwy 09/27

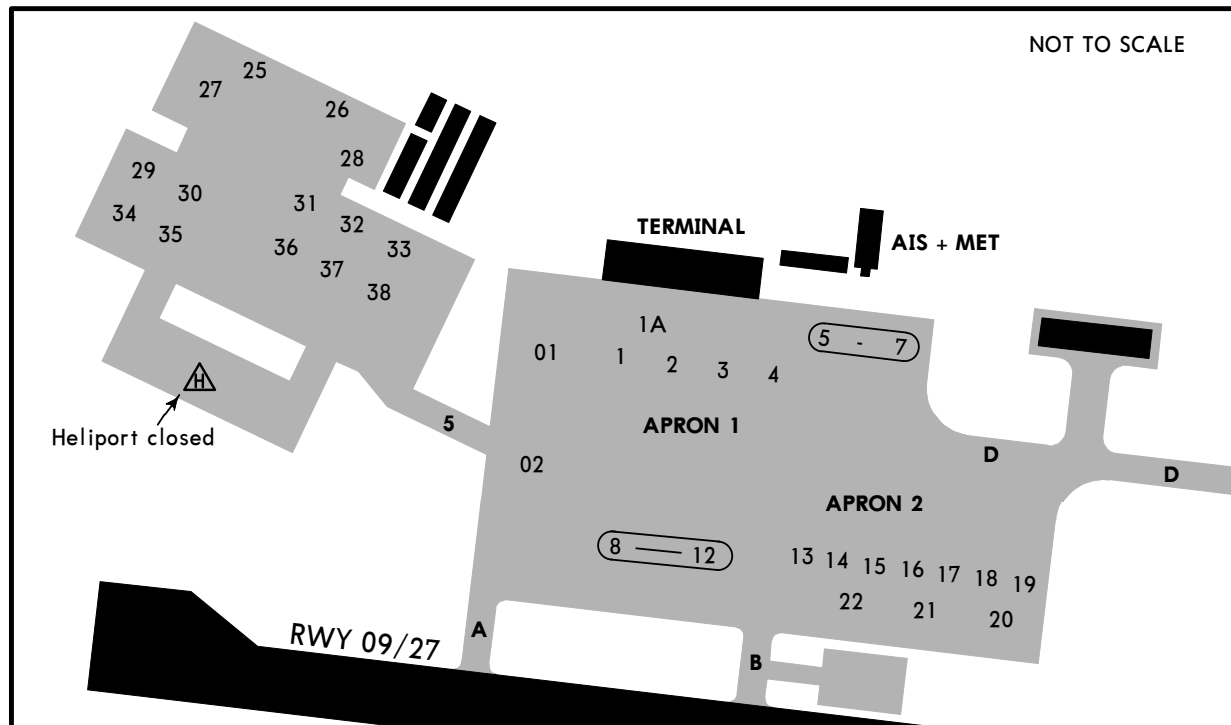
LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A		
B	250m	400m
C		
D	300m	

URWA/ASF

16 DEC 11 **JEPPESEN**
(10-9A)ASTRAKHAN, RUSSIA
ASTRAKHAN

Taxiing into stands 1, 1A & 2 via Twy A, via Twy B only by ATC.
 Taxiing of IL-76 acft into and out of stands 20, 21 & 22 by ATC only.
 Taxiing along Twy 5 is only by towing.
 Taxiing out from stands 1 thru 7 only by towing.
 Acft with wingspan up to 105'/32m shall be escorted by follow me car at NIGHT.
 When VIS is less than 400m acft shall be escorted by follow me car.
 Parking stands 01, 02, 1 thru 8, 13 thru 19, 25 thru 38 available for helicopters.

URWA/ASF


JEPPESEN
 25 MAY 12
 Eff 31 May **10-9S**
Standard
ASTRAKHAN, RUSSIA
 ASTRAKHAN

STRAIGHT-IN RWY	A	B	C	D
09				
ILS	128' (200')	128' (200')	128' (200')	128' (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 AUTH	NOT AUTH	NOT AUTH	NOT AUTH
2 NDB ❶	340' (412')	340' (412')	340' (412')	340' (412')
	R1200m	R1200m	R1200m	R1200m
<i>ALS out</i>	R1500m	R1500m	R1900m	R1900m
NDB ❶	410' (482')	410' (482')	410' (482')	410' (482')
(with FAF)	R1500m	R1500m	R1500m	R1500m
<i>ALS out</i>	R1500m	R1500m	C2300m	C2300m
NDB ❶❷	660' (732')	660' (732')	660' (732')	660' (732')
(w/o FAF)	R1500m	R1500m	C2400m	C2400m
NDB ❸	660' (732')	660' (732')	660' (732')	660' (732')
(w/o FAF)	C2900m	C2900m	C3100m	C3100m
<i>ALS out</i>	C3600m	C3600m	C3800m	C3800m
27				
ILS	130' (200')	130' (200')	130' (200')	130' (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 AUTH	NOT AUTH	NOT AUTH	NOT AUTH
NDB DME ❶	410' (480')	410' (480')	410' (480')	410' (480')
(with FAF)	R1500m	R1500m	R1500m	R1500m
<i>ALS out</i>	R1500m	R1500m	C2200m	C2200m
NDB DME ❶❷	650' (720')	650' (720')	650' (720')	650' (720')
(w/o FAF)	R1500m	R1500m	C2400m	C2400m
NDB DME ❸	650' (720')	650' (720')	650' (720')	650' (720')
(w/o FAF)	C2800m	C2800m	C3000m	C3000m
<i>ALS out</i>	C3500m	C3500m	C3700m	C3700m
NDB ❶	410' (480')	410' (480')	410' (480')	410' (480')
(with FAF)	R1500m	R1500m	R1500m	R1500m
<i>ALS out</i>	R1500m	R1500m	C2200m	C2200m
NDB	650' (720')	650' (720')	650' (720')	650' (720')
(w/o FAF)	C2800m	C2800m	C3000m	C3000m
<i>ALS out</i>	C3500m	C3500m	C3700m	C3700m

❶ Continuous Descent Final Approach.

❷ With FMS.

❸ W/o FMS.

TAKE-OFF RWY 09, 27

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		

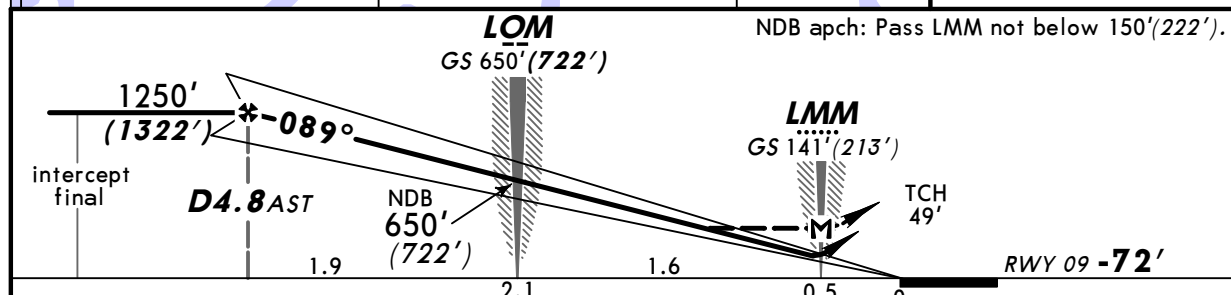
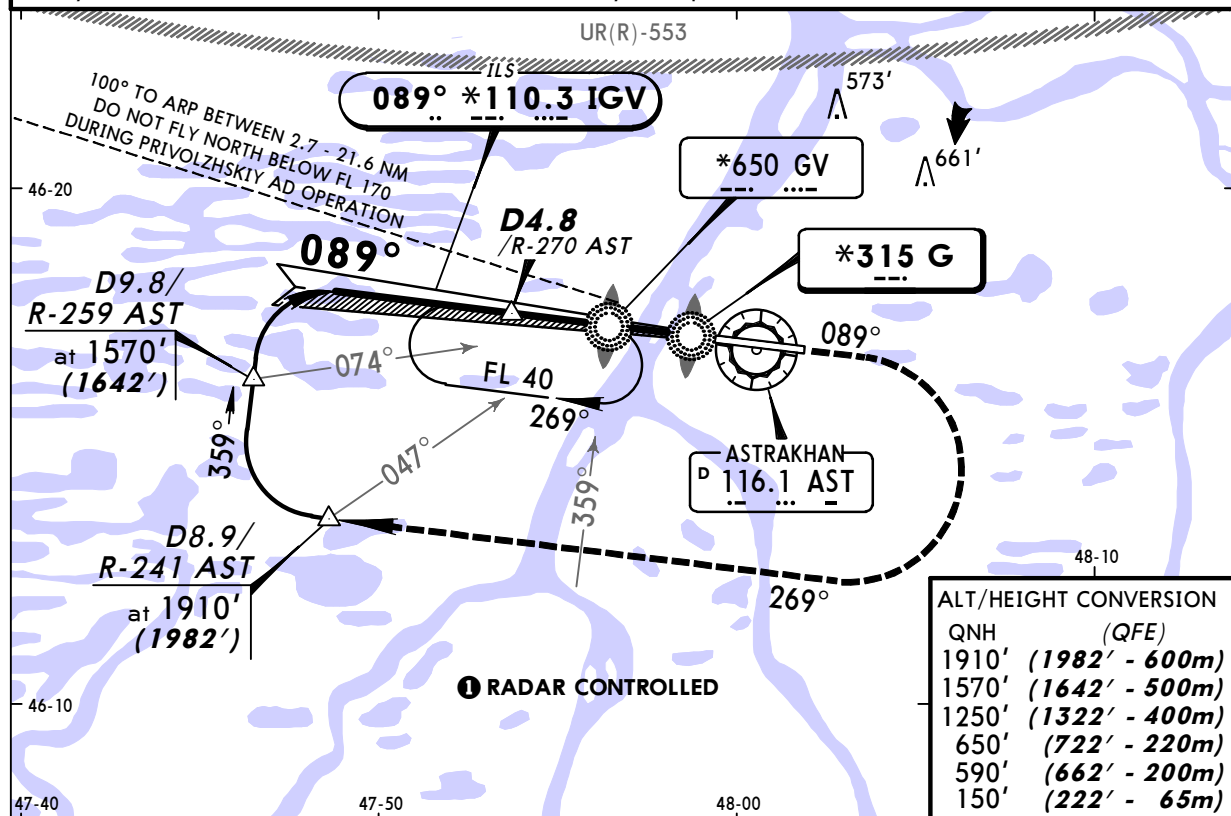
URWA/ASF ASTRAKHAN

JEPPESEN
18 MAY 12
Eff 31 May (11-1)

ASTRAKHAN, RUSSIA ● ILS or 2 NDB Rwy 09

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)	ASTRAKHAN Tower (TWR/GND)		
125.62 (Russian 131.5)		126.0		120.6	118.6		
LOC IGV *110.3	Final Apch Crs 089°	GS LOM 650' (722')	ILS DA(H) 128' (200')	Apt Elev -65' (BELOW SEA LEVEL) RWY -72'		1800'	
NDB G *315		Minimum Alt D4.8 AST 1250' (1322')	NDB MDA(H) 340' (412')				
MISSED APCH: Climb on 089° to 590' (662'), then turn RIGHT onto 269° climbing to 1910' (1982'), then as directed.					MSA G NDB		
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40			Trans alt: 1910' (1982')
Heavy turbulence with downdrafts and wind shear may be expected on final.							



Gnd speed-Kts	70	90	100	120	140	160	HIALS	590' (662')	089°	269°	1910' (1982')
ILS GS or NDB Desc angle 3.00°	372	478	531	637	743	849	PAPI	↑	↑	↑	↑
MAP at LMM											

STRAIGHT-IN LANDING RWY 09						
ILS		LOC (GS out)	NDB			
DA(H) 128' (200')			MDA(H) 340' (412')			
FULL	ALS out			ALS out		
A	RVR 720m VIS 800m	1200m	NOT AUTH	1200m	RVR 1500m	
B					VIS 1600m	
C				RVR 1800m VIS 2000m		
D						

PANS OPS

URWA/ASF ASTRAKHAN

JEPPESSEN
18 MAY 12
Eff 31 May (11-2) CAT C & D

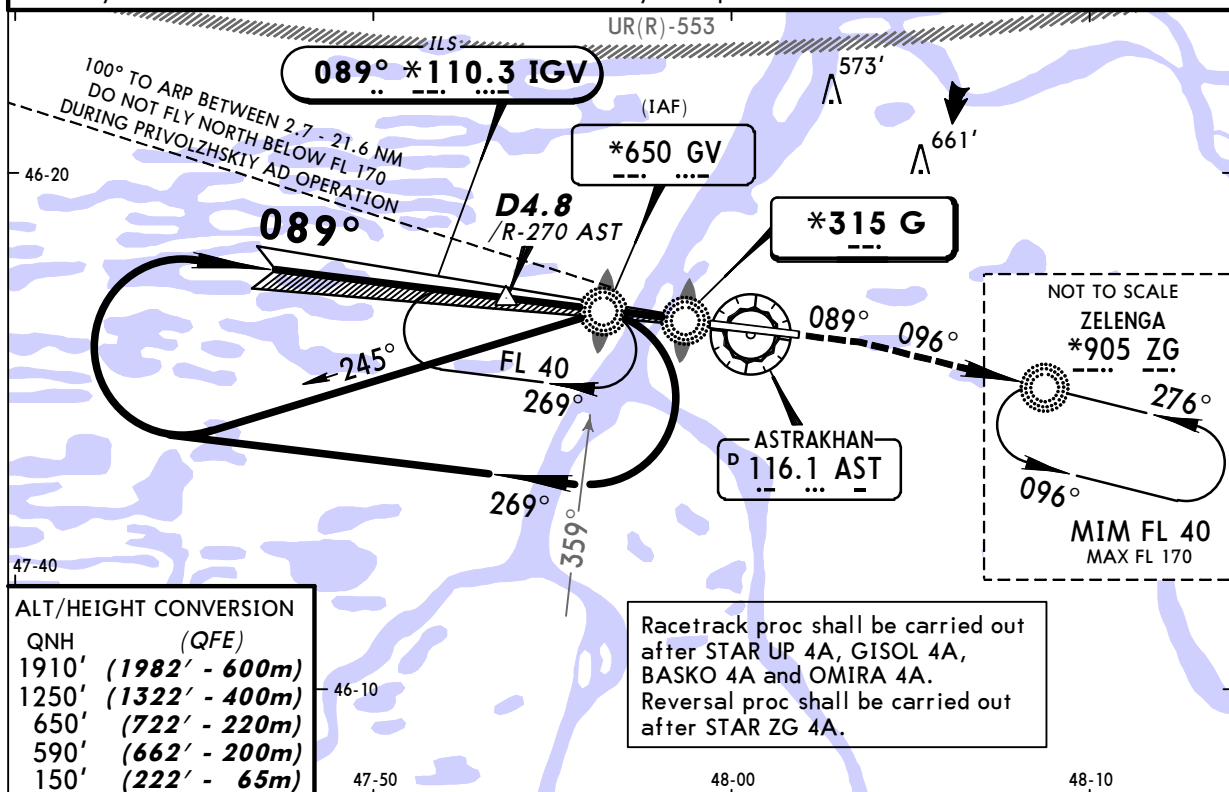
ASTRAKHAN, RUSSIA ILS or 2 NDB Rwy 09

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)	ASTRAKHAN Tower (TWR/GND)
125.62 (Russian 131.5)		126.0		120.6	118.6
LOC IGV *110.3	Final Apch Crs 089°	GS LOM 650' (722')	ILS DA(H) 128' (200')	Apt Elev -65' (BELOW SEA LEVEL) RWY -72'	1800'
NDB G *315		Minimum Alt D4.8 AST 1250' (1322')	NDB MDA(H) 340' (412')		
MISSED APCH: Climb on 089° to 590' (662'), then turn RIGHT to ZG NDB climbing to FL 40, or as directed.					

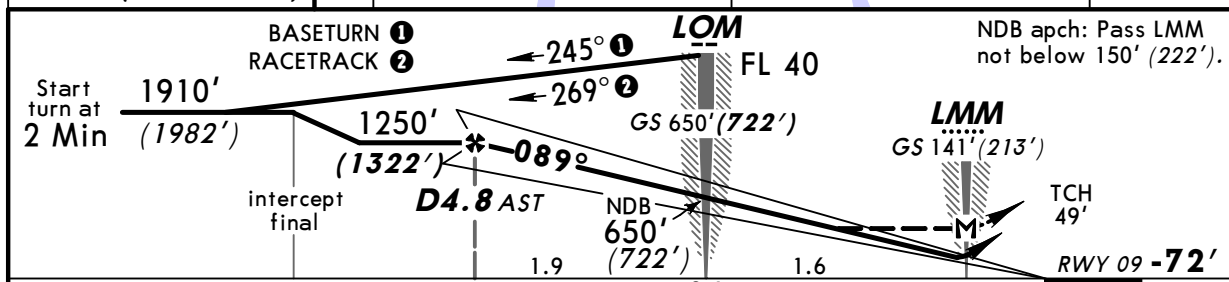
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1982')

1. Procedure restricted to 225 KT.
2. Heavy turbulence with downdrafts and wind shear may be expected on final.



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1910' (1982' - 600m)	
1250' (1322' - 400m)	
650' (722' - 220m)	
590' (662' - 200m)	
150' (222' - 65m)	

Racetrack proc shall be carried out after STAR UP 4A, GISOL 4A, BASKO 4A and OMIRA 4A.
Reversal proc shall be carried out after STAR ZG 4A.



Gnd speed-Kts	70	90	100	120	140	160	HIALS	590' (662') on 089°	FL 40	ZG 905
ILS GS or NDB Desc angle 3.00°	372	478	531	637	743	849	PAPI			
MAP at LMM										

STRAIGHT-IN LANDING RWY 09					
ILS		LOC (GS out)	NDB		
DA(H)	128' (200')		MDA(H)	340' (412')	
FULL	ALS out			ALS out	
A	see 11-3		see 11-3		
B					
C	RVR 720m VIS 800m	1200m	NOT AUTH	1200m RVR 1800m VIS 2000m	
D				RVR 1500m VIS 1600m	

CHANGES: Procedure.

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URWA/ASF
ASTRAKHAN

JEPPESEN

18 MAY 12

Eff 31 May

(11-3)

CAT A & B

ASTRAKHAN, RUSSIA

ILS or 2 NDB Rwy 09

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)	
125.62 (Russian 131.5)		126.0		120.6		118.6	
LOC IGV *110.3	Final Apch Crs 089°	GS LOM 650' (722')	ILS DA(H) 128' (200')	Apt Elev -65' (BELOW SEA LEVEL) RWY -72'		1800'	
NDB G *315		Minimum Alt D4.8 AST 1250' (1322')	NDB MDA(H) 340' (412')				
MISSED APCH: Climb on 089° to 590' (662'), then turn RIGHT to ZG NDB climbing to FL 40, or as directed.							

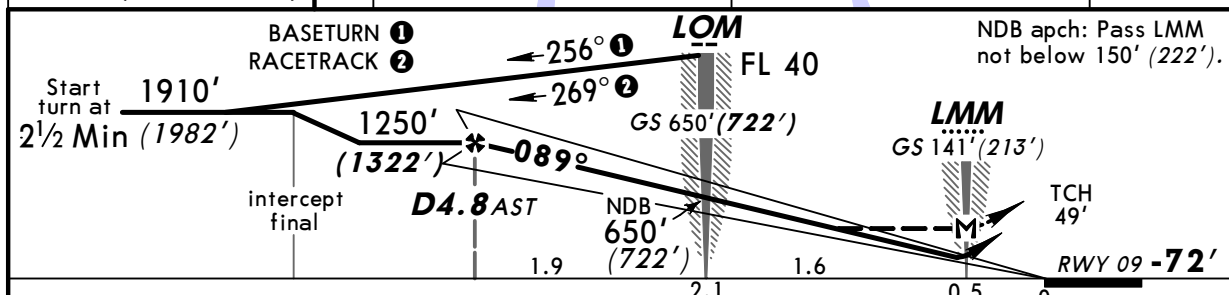
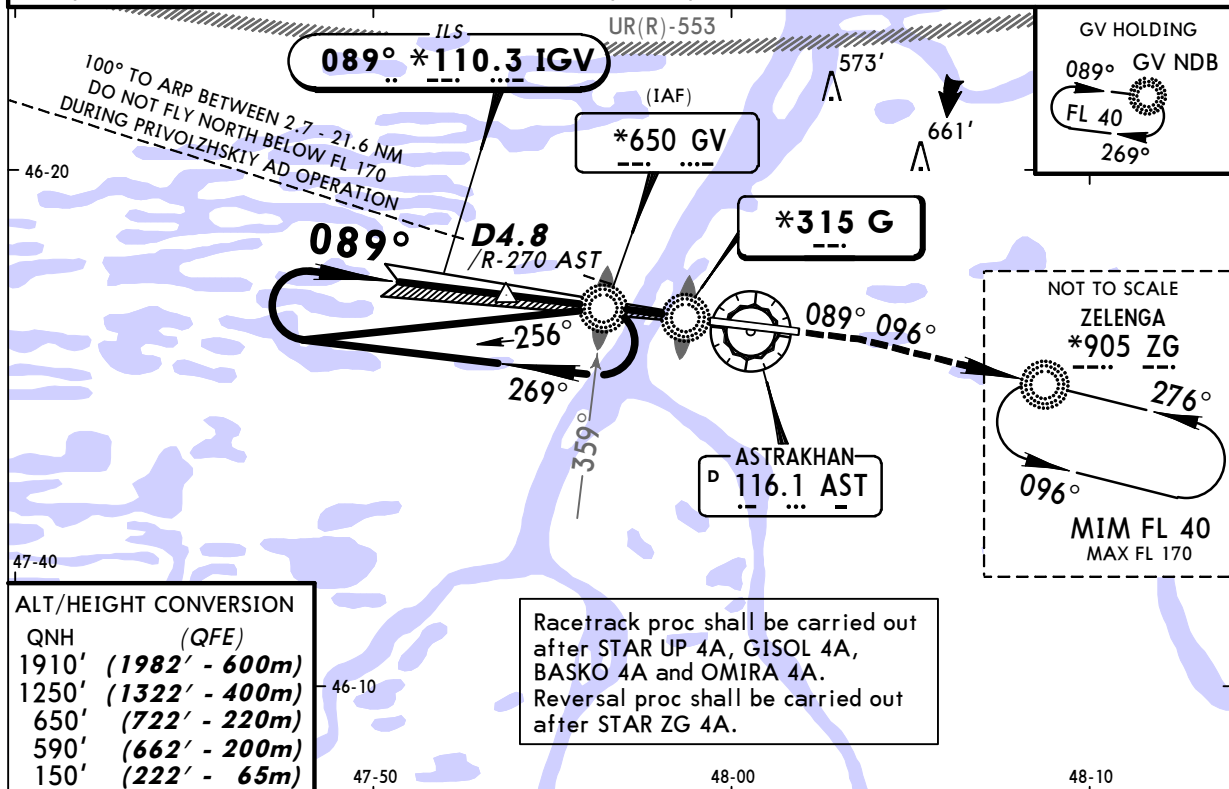
Alt Set: MM (hPa on req)

QNH on req (QFE)

Trans level: FL 40

Trans alt: 1910' (1982')

Heavy turbulence with downdrafts and wind shear may be expected on final.



Gnd speed-Kts	70	90	100	120	140	160	HIALS	590' (662') on 089°	FL 40	ZG 905
ILS GS or NDB Desc angle 3.00°	372	478	531	637	753	849	PAPI			
MAP at LMM										

STRAIGHT-IN LANDING RWY 09							
ILS			LOC (GS out)	NDB			
DA(H) 128' (200')				MDA(H) 340' (412')			
FULL		ALS out			ALS out		
A	RVR 720m	1200m	NOT AUTH	1200m	RVR 1500m		
B	VIS 800m				VIS 1600m		
C	see 11-2			see 11-2			
D							

PANS OPS

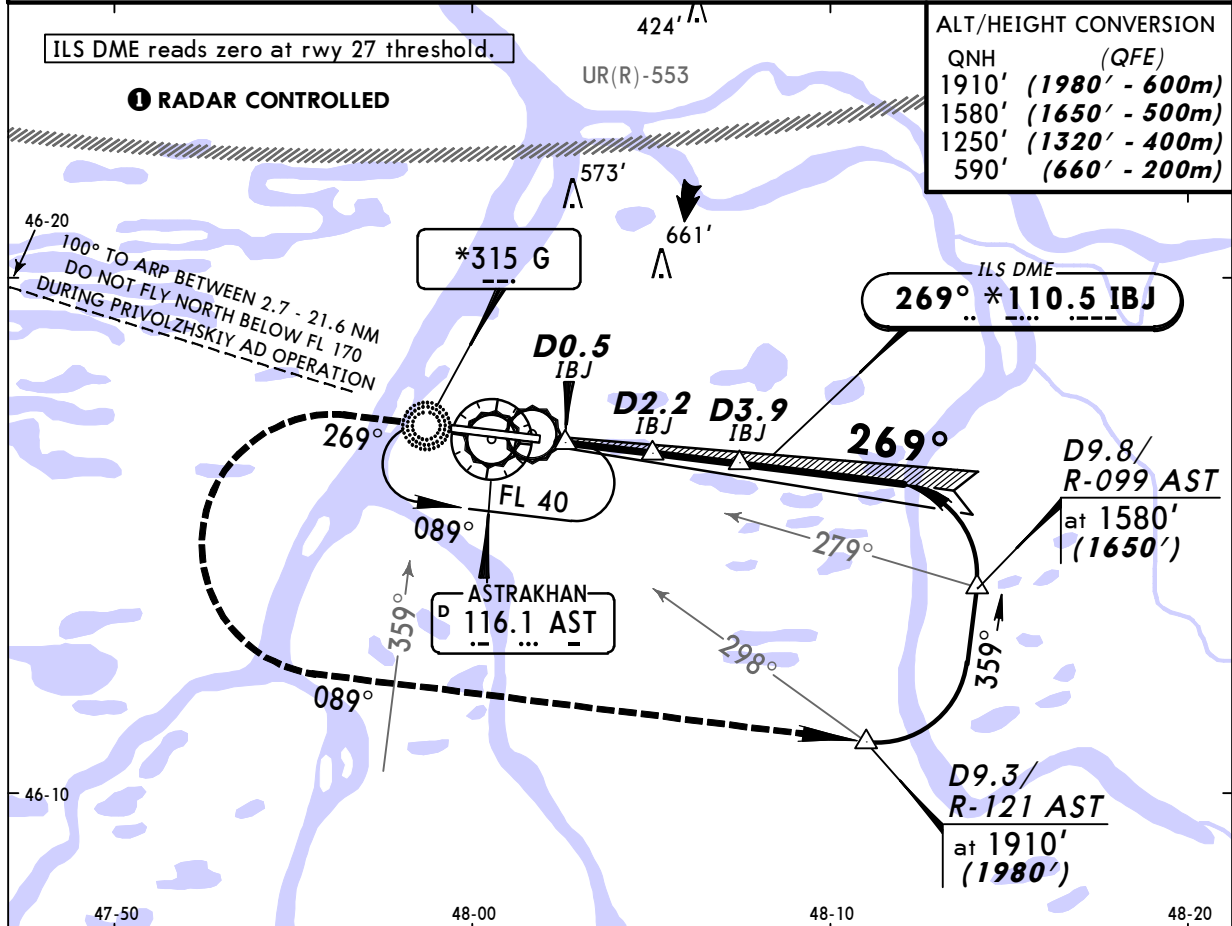
URWA/ASF ASTRAKHAN

18 MAY 12
Eff 31 May 11-4

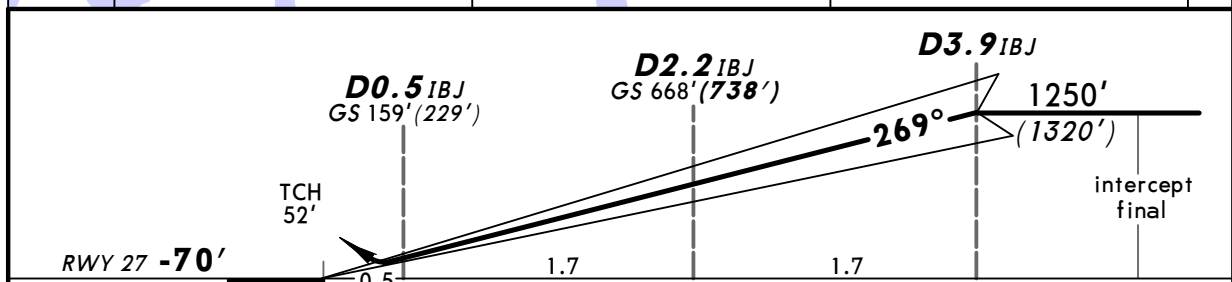
ASTRAKHAN, RUSSIA ● ILS DME Rwy 27

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)		1800' MSA G NDB	
125.62(Russian 131.5)		126.0		120.6		118.6			
LOC IBJ *110.5		Final Apch Crs 269°		GS D2.2 IBJ 668'(738')		ILS DA(H) 130'(200')			Apt Elev -65' (BELOW SEA LEVEL) RWY -70'
MISSED APCH: Climb on 269° to 590'(660'), then turn LEFT onto 089° climbing to 1910'(1980'), then as directed.									
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910'(1980')									
Heavy turbulence with downdrafts and wind shear may be expected on final.									



QNH	(QFE)
1910'	(1980' - 600m)
1580'	(1650' - 500m)
1250'	(1320' - 400m)
590'	(660' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	590' (660') on 269°	089° LT	1910' (1980')
GS	3.00°	372	478	531	637	743	849			

STRAIGHT-IN LANDING RWY 27			LOC (GS out)		
ILS			LOC (GS out)		
DA(H) 130' (200')			LOC (GS out)		
FULL			ALS out		
A					
B					
C	RVR 720m VIS 800m	1200m	NOT AUTHORIZED		
D					

PANS OPS

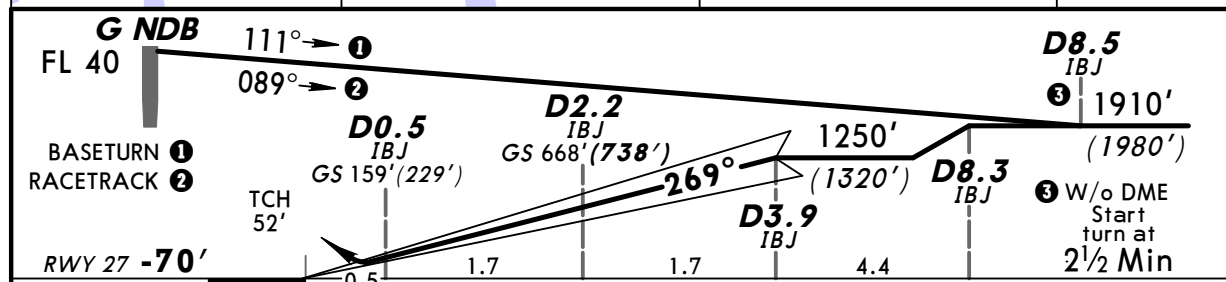
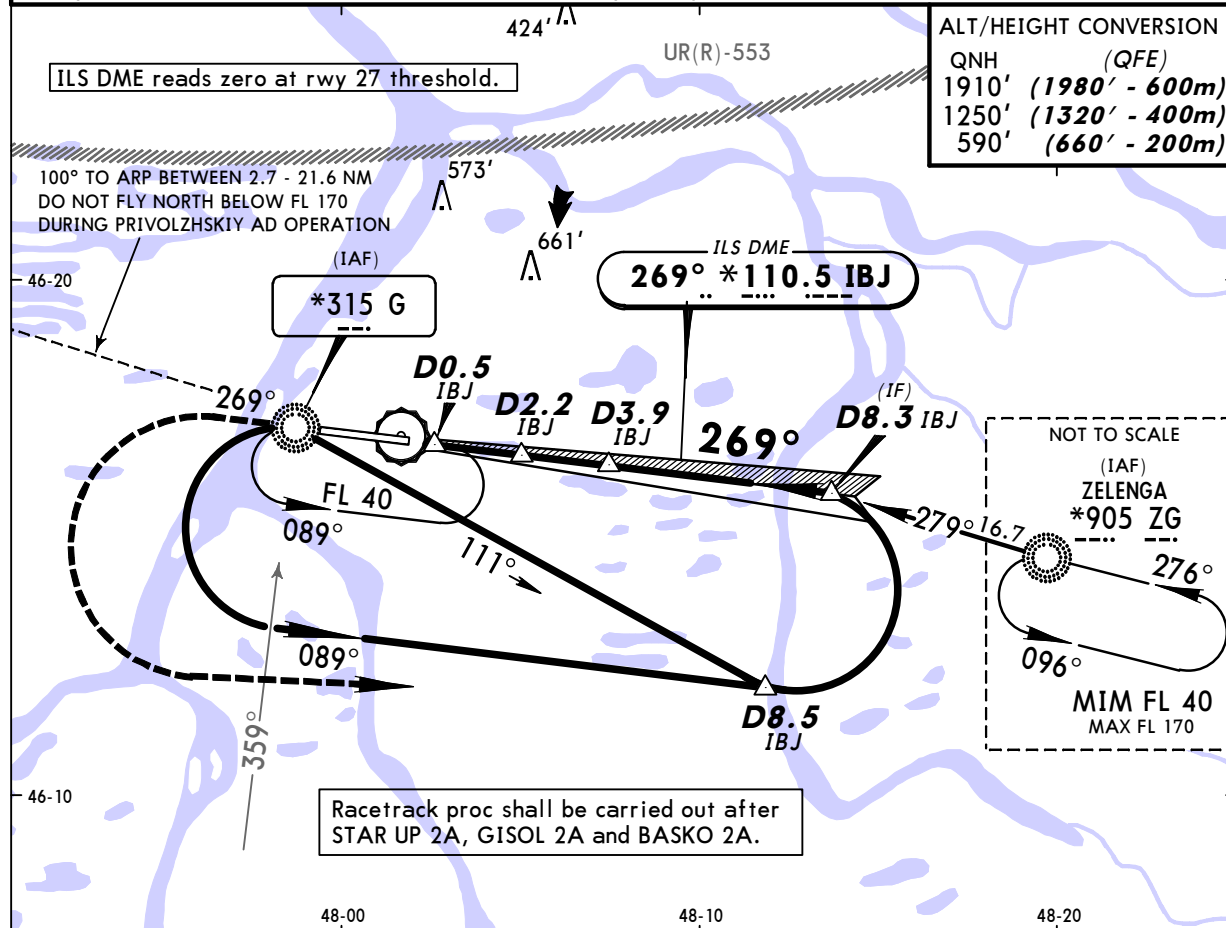
URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12
Eff 31 May 11-5 CAT C & D

ASTRAKHAN, RUSSIA
ILS DME Rwy 27

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)		1800' MSA G NDB
125.62 (Russian 131.5)		126.0		120.6		118.6		
LOC IBJ *110.5		Final Apch Crs 269°		GS D2.2 IBJ 668' (738')		Apt Elev -65' (BELOW SEA LEVEL) RWY -70'		
MISSED APCH: Climb on 269° to 590' (660'), then turn LEFT to ZG NDB climbing to FL 40, or as directed.								
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1980')								
Heavy turbulence with downdrafts and wind shear may be expected on final.								



Gnd speed-Kts	70	90	100	120	140	160	HIALS	590'	FL 40	ZG
GS	3.00°	372	478	531	637	743	PAPI	(660') on 269°	LT	905

STRAIGHT-IN LANDING RWY 27					
ILS			LOC (GS out)		
DA(H) 130'(200')					
FULL		ALS out			
A	see 11-6		NOT AUTHORIZED		
B					
C	RVR 720m	1200m			
D	VIS 800m				

PANS OPS

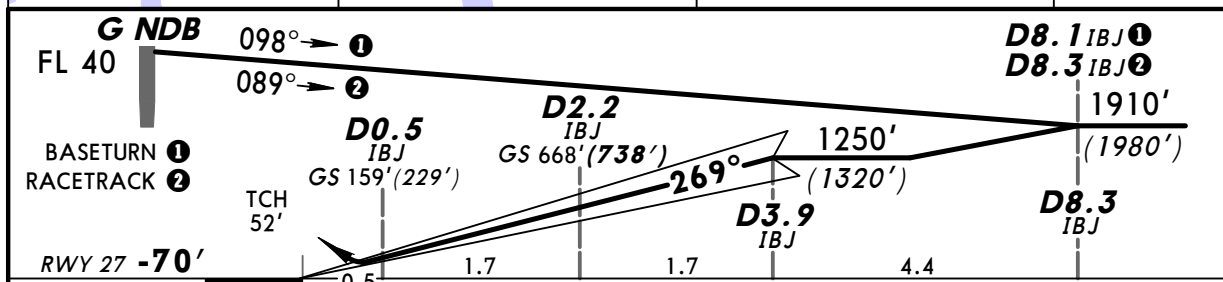
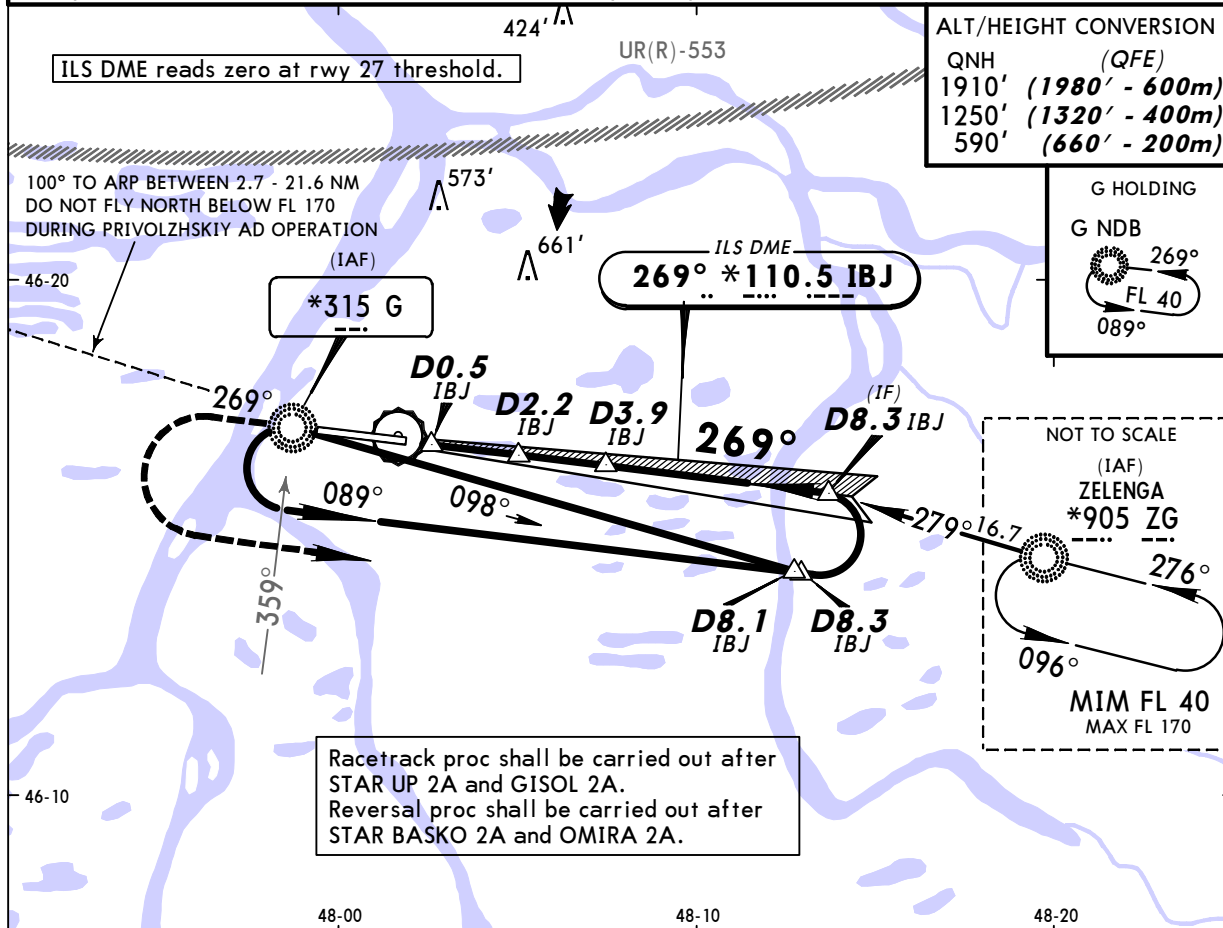
URWA/ASF ASTRAKHAN

18 MAY 12
Eff 31 May 11-6 CAT A & B

ASTRAKHAN, RUSSIA ILS DME Rwy 27

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)		1800' MSA G NDB	
125.62 (Russian 131.5)		126.0		120.6		118.6			
LOC IBJ *110.5		Final Apch Crs 269°		GS D2.2 IBJ 668' (738')		ILS DA(H) 130' (200')			Apt Elev -65' (BELOW SEA LEVEL) RWY -70'
MISSED APCH: Climb on 269° to 590' (660'), then turn LEFT to ZG NDB climbing to FL 40, or as directed.									
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1980')									
Heavy turbulence with downdrafts and wind shear may be expected on final.									



								HIALS PAPI	590' (660')_{on} 269°	FL 40 LT	ZG 905
Gnd speed-Kts	70	90	100	120	140	160					
GS	3.00°	372	478	531	637	743	849				

STRAIGHT-IN LANDING RWY 27				
ILS DA(H) 130' (200')		LOC (GS out)		
FULL		ALS out		
A	RVR 720m	1200m	NOT AUTHORIZED	
B	VIS 800m			
C	see 11-5			
D				

PANS OPS

URWA/ASF
ASTRAKHAN

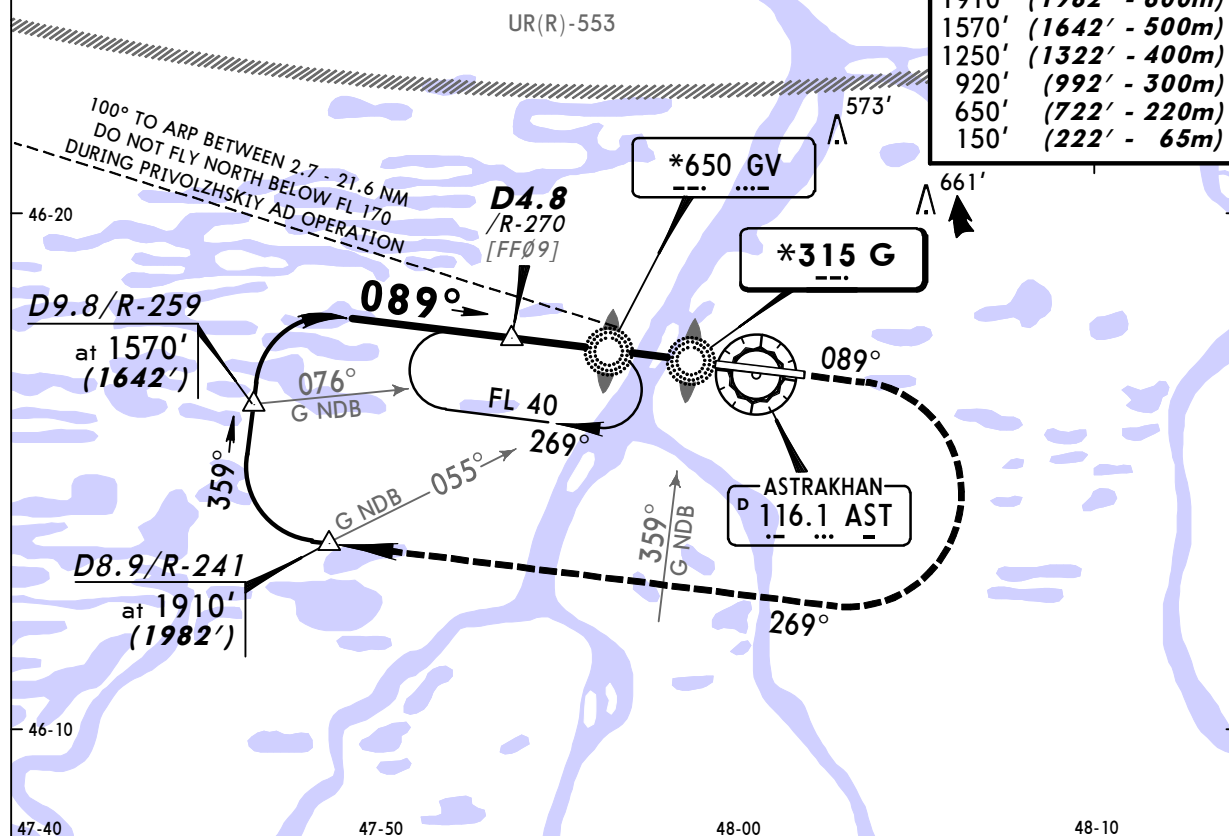
JEPPESEN
18 MAY 12 **16-1** Eff 31 May

ASTRAKHAN, RUSSIA
● NDB Rwy 09

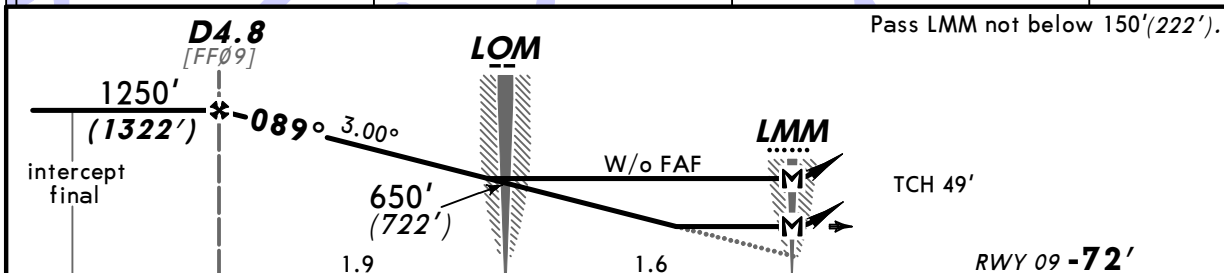
BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)		1800' MSA G NDB
125.62 (Russian 131.5)		126.0		120.6		118.6		
NDB G *315		Final Apch Crs 089°		Minimum Alt D4.8 1250' (1322')		MDA(H) (CONDITIONAL) 410' (482')		
MISSED APCH: Climb on 089° to 920' (992'), then turn RIGHT onto 269° climbing to 1910' (1982'), then as directed.								
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1982')								
Heavy turbulence with downdrafts and wind shear may be expected on final.								

● RADAR CONTROLLED



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1910'	(1982' - 600m)
1570'	(1642' - 500m)
1250'	(1322' - 400m)
920'	(992' - 300m)
650'	(722' - 220m)
150'	(222' - 65m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	920' (992') on 089°	269°	1910' (1982')
Descent angle 3.00°	372	478	531	637	743	849	PAPI			
MAP at LMM										

STRAIGHT-IN LANDING RWY 09

With FAF		W/o FAF	
MDA(H) 410' (482')		MDA(H) 660' (732')	
	ALS out		ALS out
A	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m
B	1200m		
C	RVR 1800m VIS 2000m	2400m	3200m
D	RVR 1800m VIS 2000m	2400m	3200m

PANS OPS

CHANGES: Procedure.

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URWA/ASF
ASTRAKHAN

JEPPESEN
18 MAY 12
Eff 31 May 16-2 CAT C & D

ASTRAKHAN, RUSSIA
NDB Rwy 09

BRIEFING STRIP

ATIS 125.62 (Russian 131.5)	ASTRAKHAN Approach (APP/SRE) 126.0	ASTRAKHAN Krug (SRE) 120.6	ASTRAKHAN Tower (TWR/GND) 118.6
NDB G *315	Final Apch Crs 089°	Minimum Alt D4.8 1250' (1322')	MDA(H) (CONDITIONAL) 410' (482')
			Apt Elev -65' (BELOW SEA LEVEL) RWY -72'

MISSED APCH: Climb on 089° to 920' (992'), then turn RIGHT to ZG NDB climbing to FL 40, or as directed.

MSA G NDB

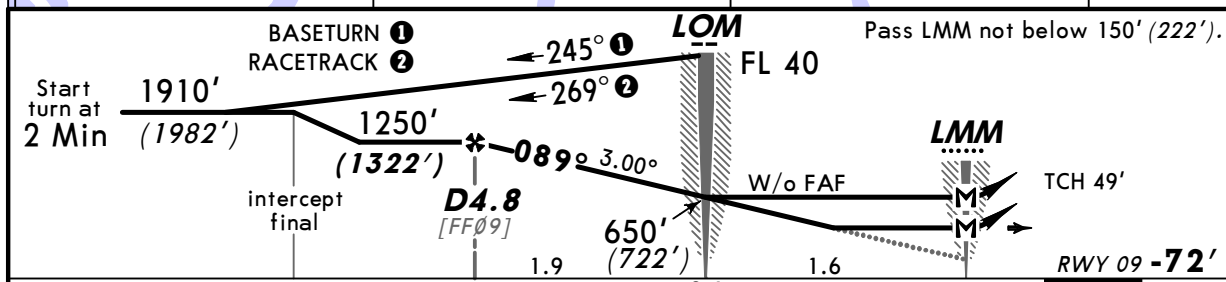
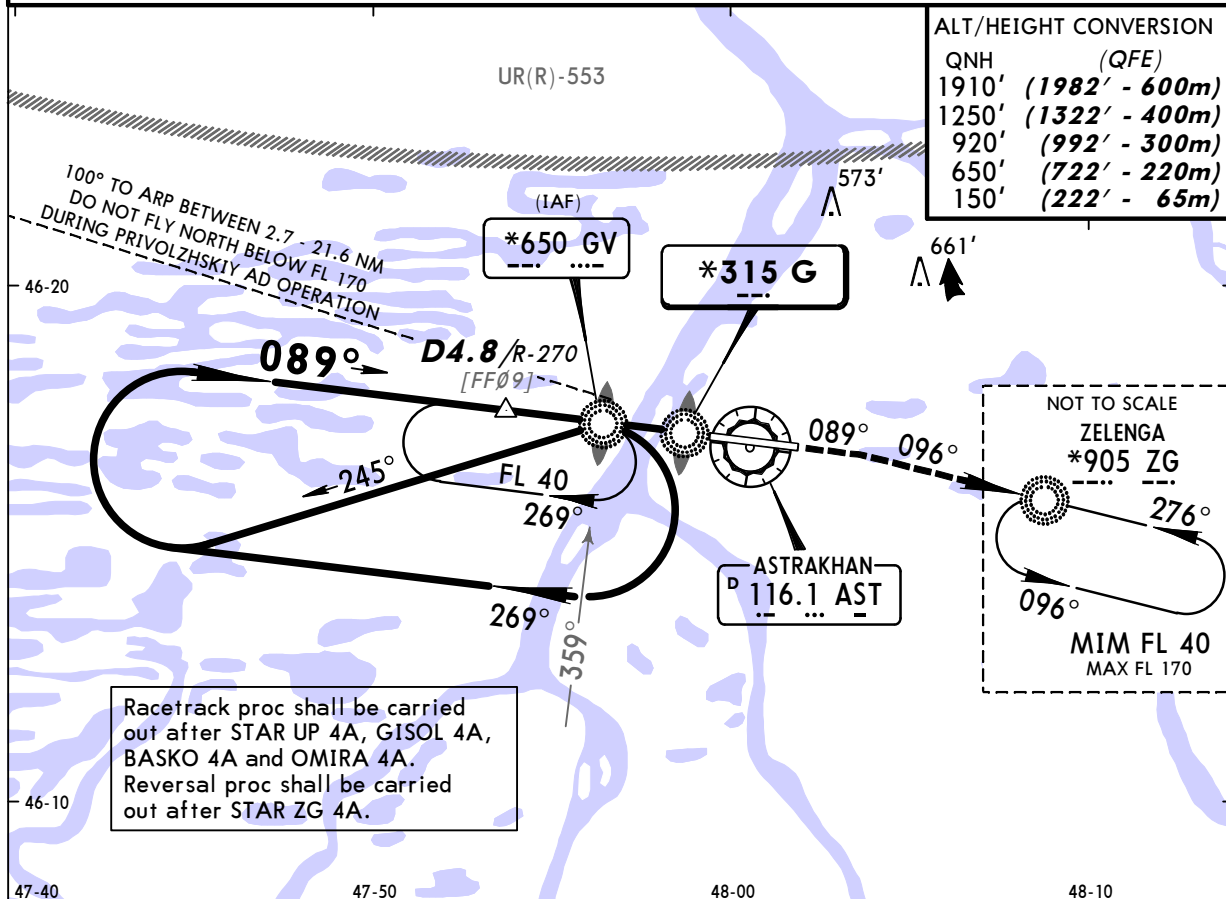
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1982')

1. Procedure restricted to 225 KT.

2. Heavy turbulence with downdrafts and wind shear may be expected on final.

ALT/HEIGHT CONVERSION

QNH	(QFE)
1910'	(1982' - 600m)
1250'	(1322' - 400m)
920'	(992' - 300m)
650'	(722' - 220m)
150'	(222' - 65m)



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.00°	372	478	531	637	743	849
MAP at LMM						

STRAIGHT-IN LANDING RWY 09			
With FAF		W/o FAF	
MDA(H) 410' (482')		MDA(H) 660' (732')	
ALS out		ALS out	
A	see 16-3	see 16-3	
B	see 16-3	see 16-3	
C	1200m	RVR 1800m VIS 2000m	2400m 3200m
D	RVR 1800m VIS 2000m	2400m	3200m 3600m

CHANGES: FAF. Note.

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URWA/ASF ASTRAKHAN

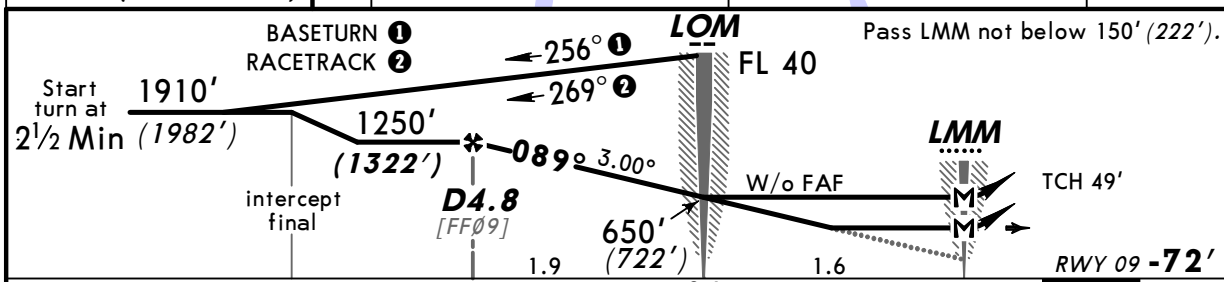
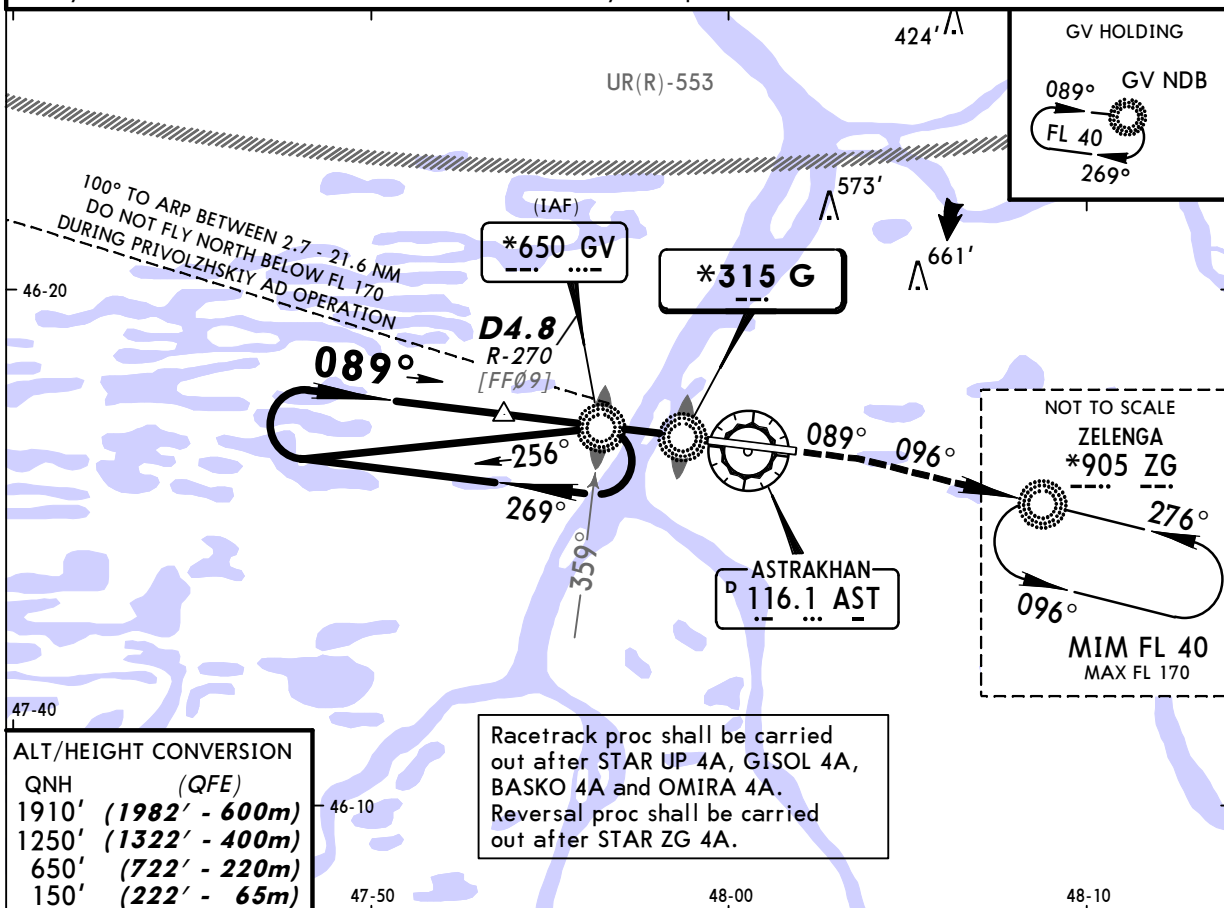
18 MAY 12
Eff 31 May 16-3 CAT A & B

ASTRAKHAN, RUSSIA NDB Rwy 09

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)		1800' MSA G NDB
125.62 (Russian 131.5)		126.0		120.6		118.6		
NDB G *315	Final Apch Crs 089°	Minimum Alt D4.8 1250' (1322')	MDA(H) (CONDITIONAL) 410' (482')	Apt Elev -65' (BELOW SEA LEVEL) RWY -72'				
MISSED APCH: Climb on 089° to 650' (772'), then turn RIGHT to ZG NDB climbing to FL 40, or as directed.								

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1982')
Heavy turbulence with downdrafts and wind shear may be expected on final.



Gnd speed-Kts	70	90	100	120	140	160	HIALS	650' (772') on 089°	FL 40	ZG 905
Descent angle 3.00°	372	478	531	637	743	849	PAPI			
MAP at LMM										

STRAIGHT-IN LANDING RWY 09							
With FAF		W/o FAF					
MDA(H) 410' (482')		MDA(H) 660' (732')					
ALS out		ALS out					
A	1200m	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m			
B							
C	see 16-2		see 16-2				
D							

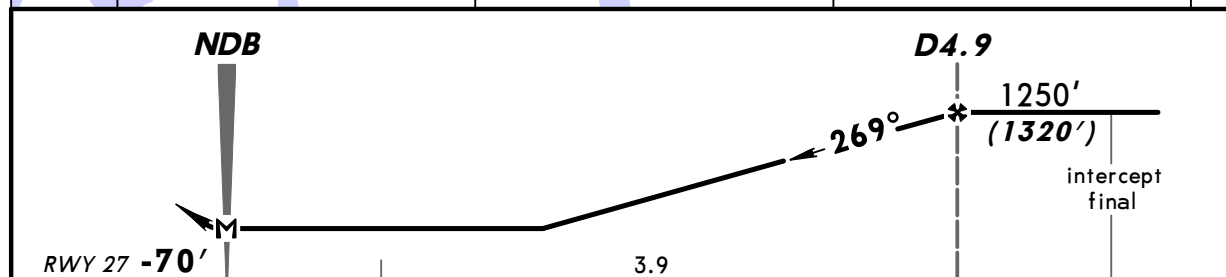
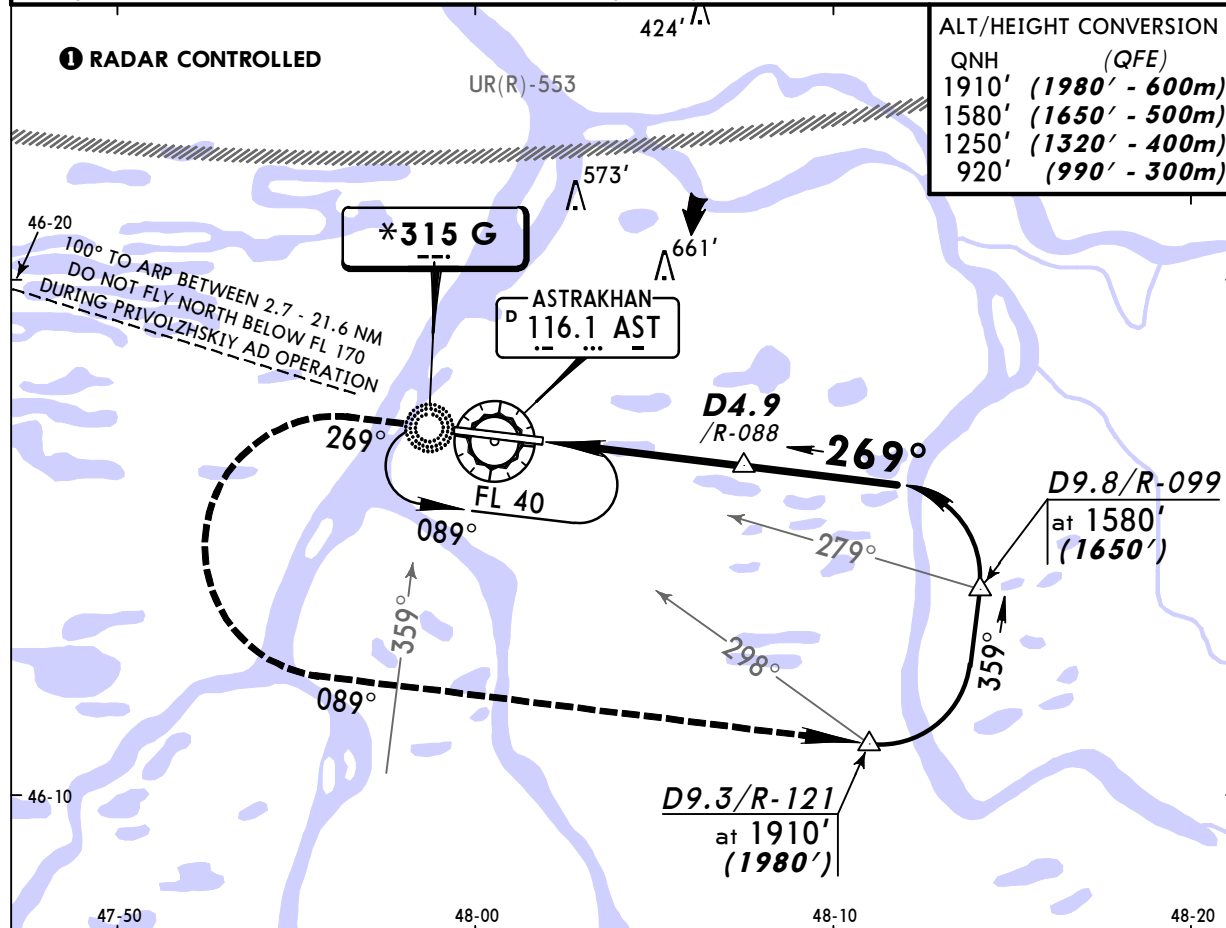
URWA/ASF ASTRAKHAN

JEPPESEN
18 MAY 12
Eff 31 May (16-4)

ASTRAKHAN, RUSSIA ● NDB Rwy 27

BRIEFING STRIP

ATIS	ASTRAKHAN Approach (APP/SRE)	ASTRAKHAN Krug (SRE)	ASTRAKHAN Tower (TWR/GND)	
125.62 (Russian 131.5)	126.0	120.6	118.6	
NDB G *315	Final Apch Crs 269°	Minimum Alt D4.9 1250' (1320')	MDA(H) (CONDITIONAL) 410' (480')	Apt Elev -65' (BELOW SEA LEVEL) RWY -70'
MISSED APCH: Climb on 269° to 920' (990'), then turn LEFT onto 089° climbing to 1910' (1980'), then as directed.				1800' MSA G NDB
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40
Heavy turbulence with downdrafts and wind shear may be expected on final.		Trans alt: 1910' (1980')		



Gnd speed-Kts	70	90	100	120	140	160	HIALS	920' (990') on 269°	089° LT	1910' (1980')
Descent angle	3.00°	372	478	531	637	743	849			
MAP at NDB										

STRAIGHT-IN LANDING RWY 27					
With FAF		W/o FAF			
MDA(H) 410' (480')		MDA(H) 650' (720')			
	ALS out		ALS out		
A	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m		
B					
C	RVR 1800m VIS 2000m	2400m	3200m		
D	RVR 1800m VIS 2000m	2400m	3200m		

PANS OPS

URWA/ASF ASTRAKHAN

18 MAY 12
Eff 31 May 16-5 CAT C & D

ASTRAKHAN, RUSSIA NDB DME Rwy 27

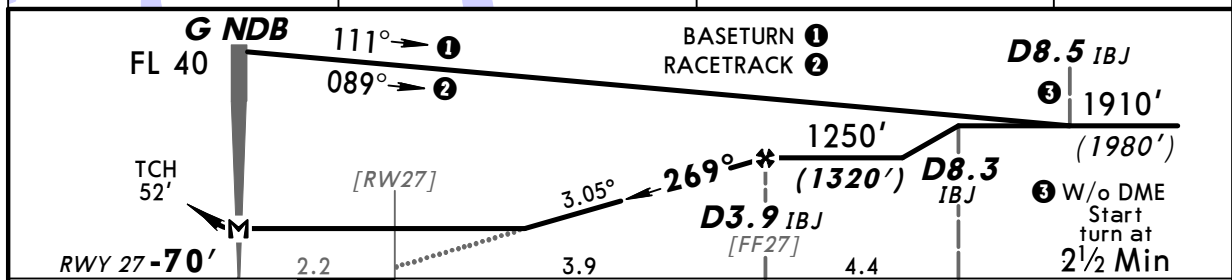
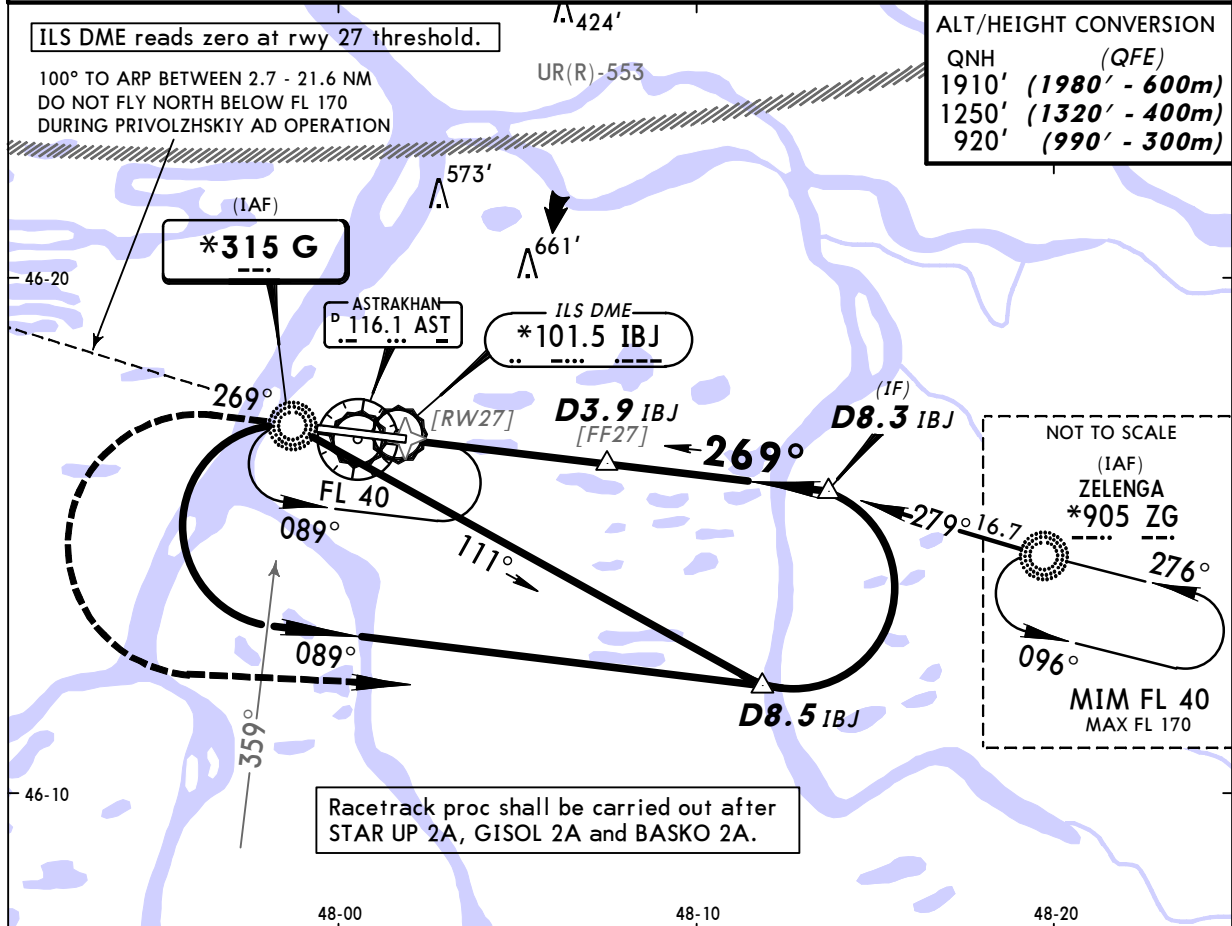
BRIEFING STRIP

ATIS	ASTRAKHAN Approach (APP/SRE)	ASTRAKHAN Krug (SRE)	ASTRAKHAN Tower (TWR/GND)	
125.62 (Russian 131.5)	126.0	120.6	118.6	
NDB G *315	Final Aptch Crs 269°	Minimum Alt D3.9 IBJ 1250' (1320')	MDA(H) (CONDITIONAL) 410' (480')	Apt Elev -65' (BELOW SEA LEVEL) RWY -70'
MISSED APCH: Climb on 269° to 920' (990'), then turn LEFT to ZG NDB climbing to FL 40, or as directed.				1800' MSA G NDB
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 40
Heavy turbulence with downdrafts and wind shear may be expected on final.		Trans alt: 1910' (1980')		

ILS DME reads zero at rwy 27 threshold.

100° TO ARP BETWEEN 2.7 - 21.6 NM
DO NOT FLY NORTH BELOW FL 170
DURING PRIVOLZHSKIY AD OPERATION

QNH	(QFE)
1910'	(1980' - 600m)
1250'	(1320' - 400m)
920'	(990' - 300m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	920' (990') on 269°	FL 40	ZG 905
Descent angle	3.05°	378	486	540	648	755	863	PAPI		
MAP at G NDB										

STRAIGHT-IN LANDING RWY 27			
With FAF		W/o FAF	
MDA(H) 410' (480')		MDA(H) 650' (720')	
ALS out		ALS out	
A	see 16-6		see 16-6
B			
C	1200m	RVR 1800m VIS 2000m	2400m 3200m
D	RVR 1800m VIS 2000m	2400m	3200m 3600m

PANS OPS

URWA/ASF ASTRAKHAN

18 MAY 12
Eff 31 May 16-6 CAT A & B

ASTRAKHAN, RUSSIA NDB DME Rwy 27

BRIEFING STRIP

ATIS		ASTRAKHAN Approach (APP/SRE)		ASTRAKHAN Krug (SRE)		ASTRAKHAN Tower (TWR/GND)		1800'
125.62 (Russian 131.5)		126.0		120.6		118.6		
NDB G *315		Final Aptch Crs 269°		Minimum Alt D3.9 IBJ 1250' (1320')		MDA(H) (CONDITIONAL) 410' (480')		

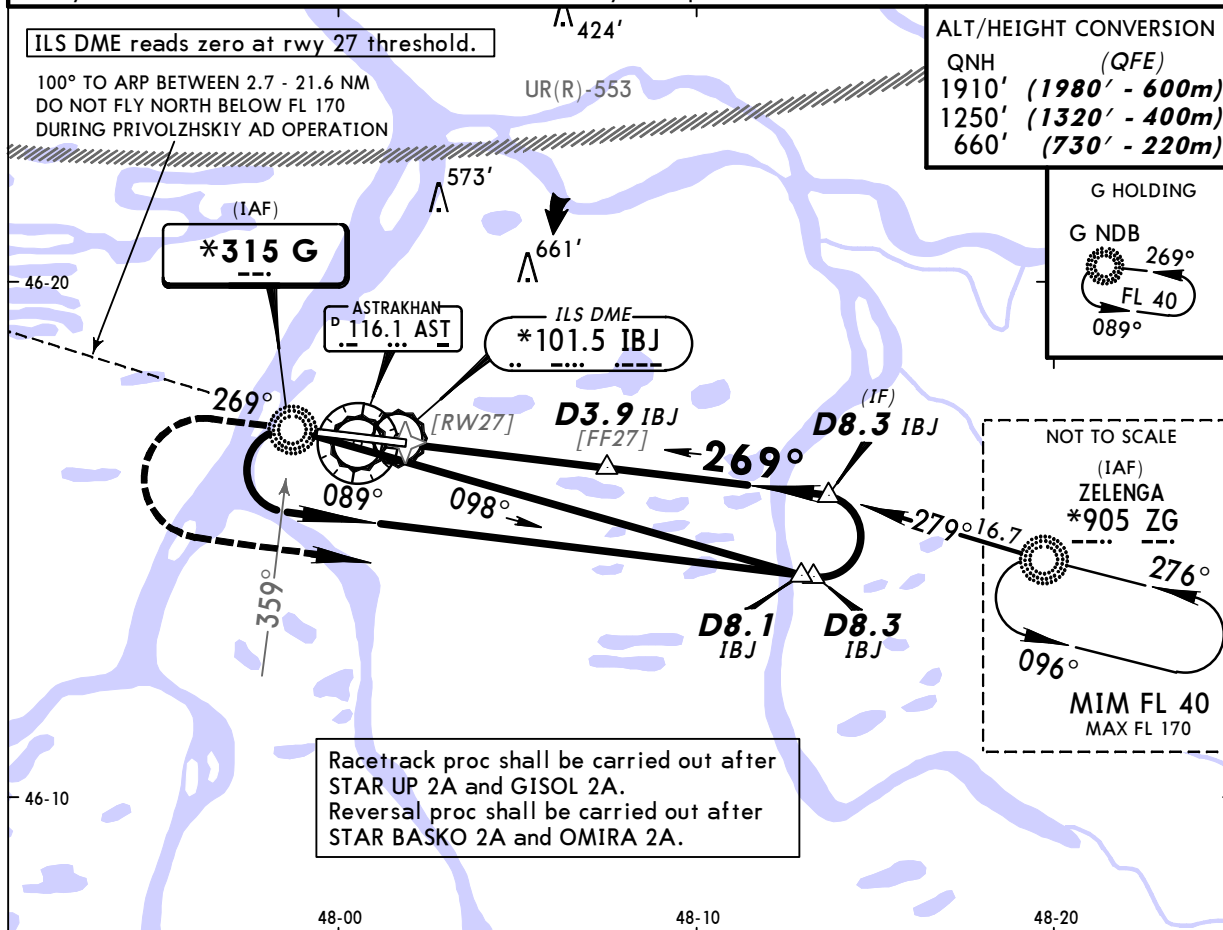
MISSED APCH: Climb on 269° to 660' (730'), then turn LEFT to ZG NDB climbing to FL 40, or as directed.

MSA G NDB

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 40 Trans alt: 1910' (1980')
Heavy turbulence with downdrafts and wind shear may be expected on final.

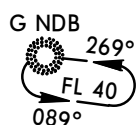
ILS DME reads zero at rwy 27 threshold.

100° TO ARP BETWEEN 2.7 - 21.6 NM
DO NOT FLY NORTH BELOW FL 170
DURING PRIVOLZHSKIY AD OPERATION



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1910'	(1980' - 600m)
1250'	(1320' - 400m)
660'	(730' - 220m)

G HOLDING



NOT TO SCALE

(IAF) ZELENGA

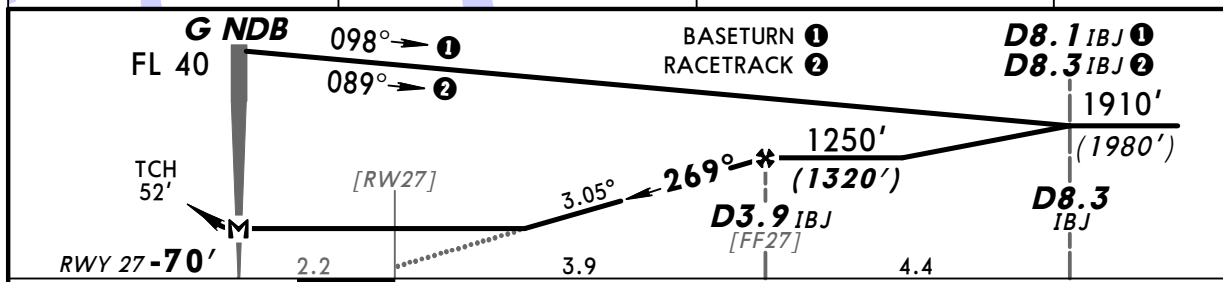
*905 ZG

276°

096°

MIM FL 40

MAX FL 170



Gnd speed-Kts	70	90	100	120	140	160	HIALS	660' (730') on 269°	FL 40	ZG 905
Descent angle	3.05°	378	486	540	648	755	863			
MAP at G NDB										

STRAIGHT-IN LANDING RWY 27						
With FAF			W/o FAF			
MDA(H) 410'(480')			MDA(H) 650'(720')			
		ALS out			ALS out	
A	1200m	RVR 1500m VIS 1600m	1200m	RVR 1500m VIS 1600m		
B						
C	see 16-5		see 16-5			
D						

PANS OPS