

USCC/CEK
BALANDINO

CHELYABINSK, RUSSIA

STAR

14 SEP 07

10-2

Apt Elev
769'

Alt Set: MM (hPa on request) QNH on request **(QFE)**Trans level: By ATC Trans Alt: 3400' **(2641')**

1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM southwest of ARP (landing track 120°/300° MAG) for Chelyabinsk Balandino.
2. In case of VORDME approach proceed on STAR route to LBN or request radar vectoring and carry out VORDME approach according chart 13-1. Crossing altitudes by ATC.

2700'

MSA
LBN VOR

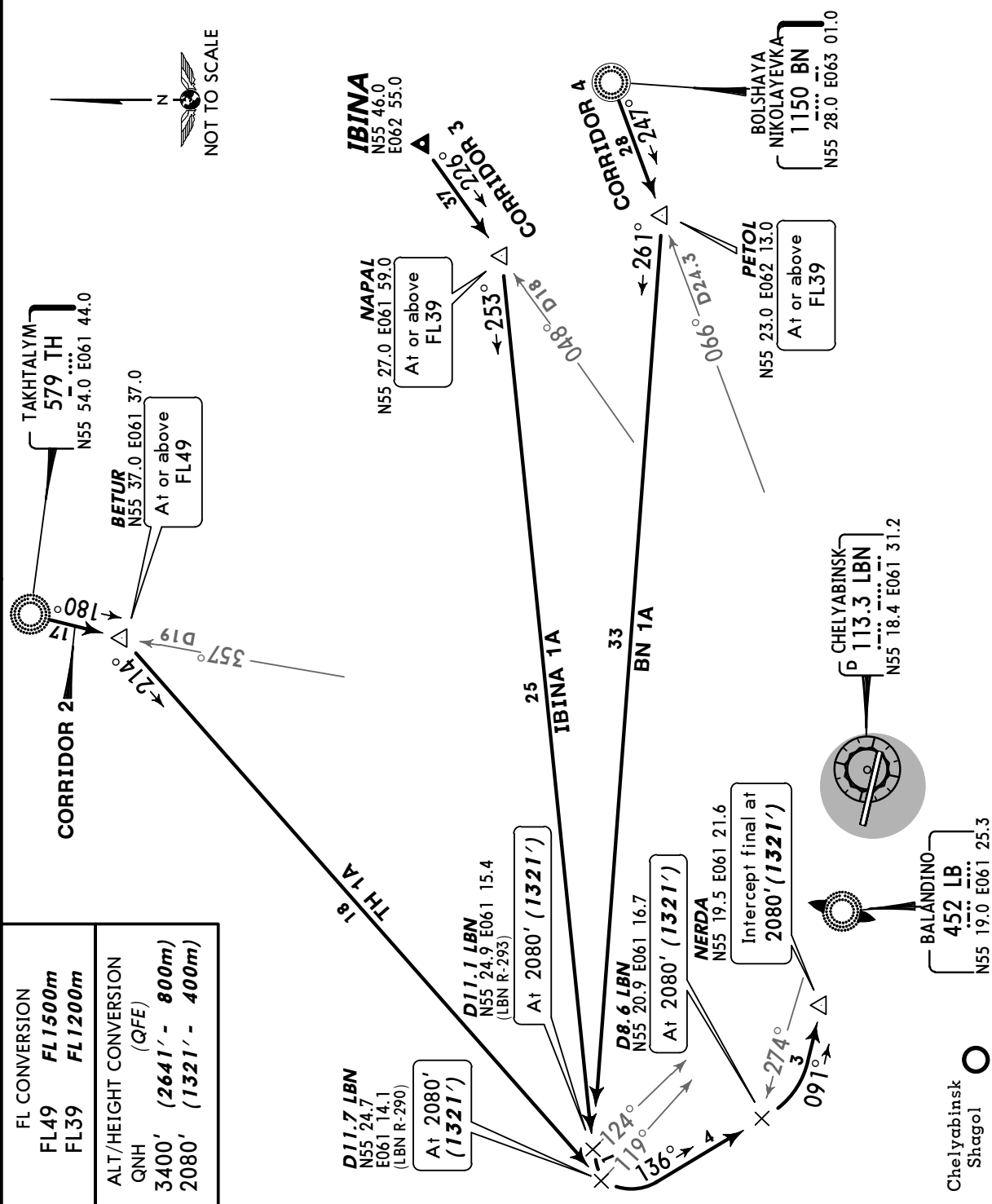
BN 1 ALFA (BN 1A)
IBINA 1 ALFA (IBINA 1A) [*IBIN1A*]
TH 1 ALFA (TH 1A)
RWY 09 ARRIVALS

FROM NORTH & EAST

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2F



NOT TO SCALE



CHANGES: Reference in chart heading.

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USCC/CEK
BALANDINO

JEPPESSEN

14 SEP 07

10-2A

CHELYABINSK, RUSSIA

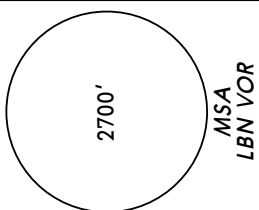
STAR

Apt Elev
769'

Alt Set: MM (hPa on request) QNH on request (QFE)

Trans level: By ATC Trans Alt: 3400' (2663')

1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM southwest of ARP (landing track 120°/300° MAG) for Chelyabinsk Balandino.
2. In case of VORDME approach proceed on STAR route to LBN or request radar vectoring and carry out VORDME approach according chart 13-2. Crossing altitudes by ATC.



FL CONVERSION	FL 49 FL 1500m
	FL 39 FL 1200m
ALT/HEIGHT CONVERSION	
QNH	(QFE)
	3400' (2663' - 800m)
	2050' (1313' - 400m)

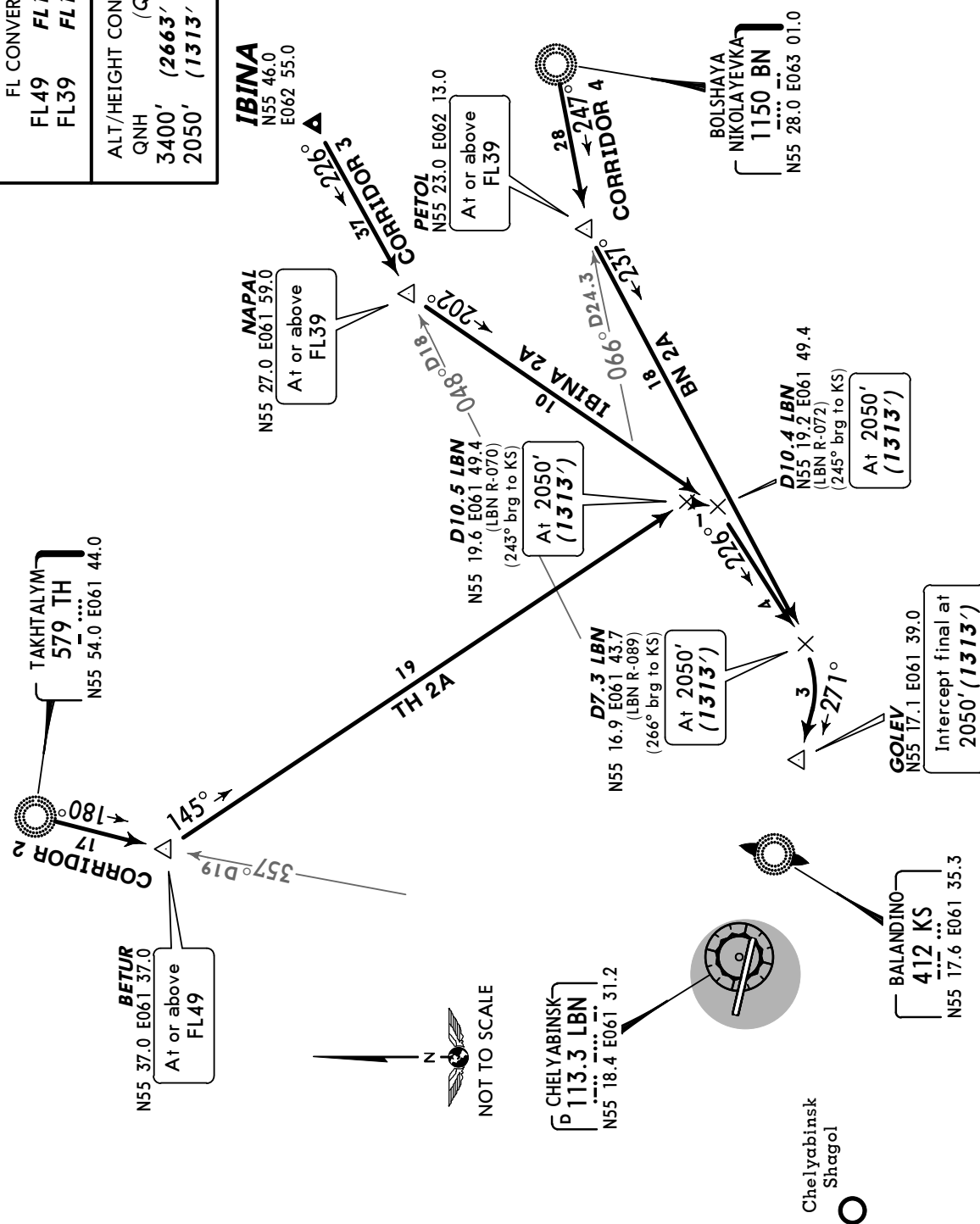
BN 2 ALFA (BN 2A)

IBINA 2 ALFA (IBINA 2A) [IBIN2A]

TH 2 ALFA (TH 2A)

RWY 27 ARRIVALS

FROM NORTH & EAST

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2F

USCC/CEK
BALANDINO

JEPPESEN
14 SEP 07 (10-2B)

CHELYABINSK, RUSSIA
STAR

Apt Elev
769'

Alt Set: MM (hPa on request) QNH on request (QFE)

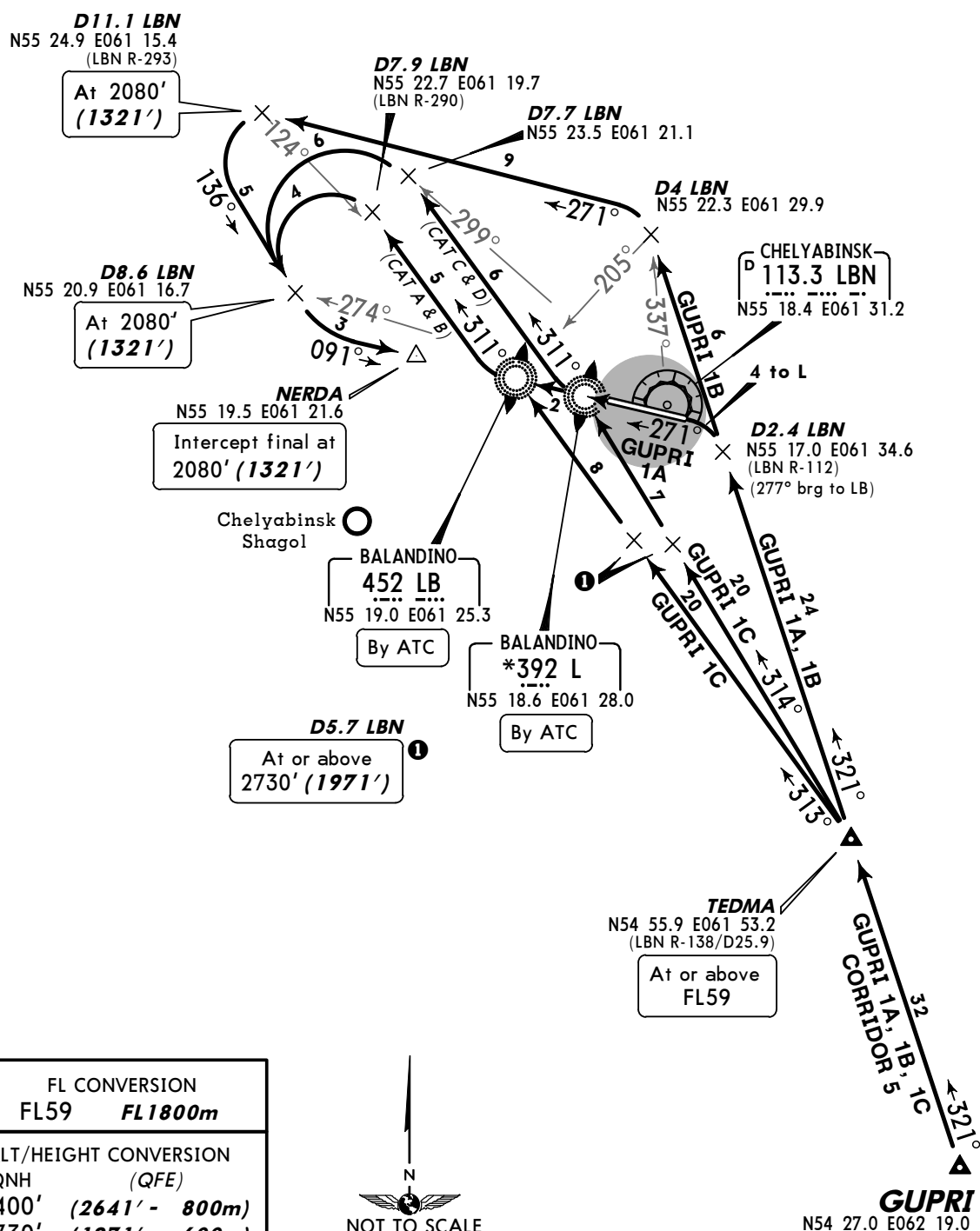
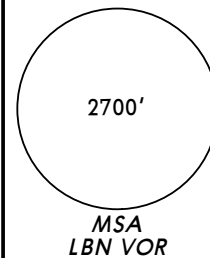
Trans level: By ATC Trans Alt: 3400' (2641')

1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM southwest of ARP (landing track 120°/300° MAG) for Chelyabinsk Balandino.
2. In case of VORDME approach proceed on STAR route to LBN or request radar vectoring and carry out VORDME approach according chart 13-1. Crossing altitudes by ATC.

GUPRI 1 ALFA (GUPRI 1A) [GUPRI 1A]
GUPRI 1 BRAVO (GUPRI 1B) [GUPRI 1B]
GUPRI 1 CHARLIE (GUPRI 1C) [GUPRI 1C]
RWY 09 ARRIVALS

FROM SOUTH

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2F



USCC/CEK
BALANDINO

JEPPESEN

14 SEP 07 (10-2C)

CHELYABINSK, RUSSIA

STAR

Apt Elev
769'

Alt Set: MM (hPa on request) QNH on request (QFE)

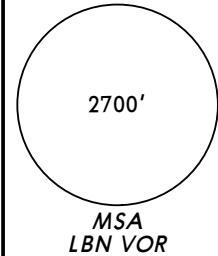
Trans level: By ATC Trans Alt: 3400' (2663')

1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM southwest of ARP (landing track 120°/300° MAG) for Chelyabinsk Balandino.
2. In case of VORDME approach proceed on STAR route to LBN or request radar vectoring and carry out VORDME approach according chart 13-2. Crossing altitudes by ATC.

GUPRI 2 ALFA (GUPRI 2A) [GUPRI 2A] RWY 27 ARRIVAL

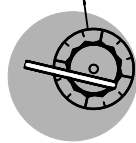
FROM SOUTH

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2F



CHELYABINSK
D 113.3 LBN
N55 18.4 E061 31.2

BALANDINO
412 KS
N55 17.6 E061 35.3



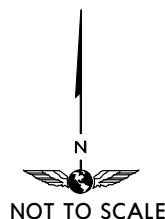
GOLEV
N55 17.1 E061 39.0
Intercept final at
2050' (1313')

D7.8 LBN
N55 15.4 E061 43.8
(LBN R-099)

At 2050'
(1313')

TEDMA
N54 55.9 E061 53.2
(LBN R-138/D25.9)

At or above
FL59



FL CONVERSION
FL59 FL1800m

ALT/HEIGHT CONVERSION
QNH (QFE)
3400' (2663' - 800m)
2050' (1313' - 400m)

GUPRI
N54 27.0 E062 19.0

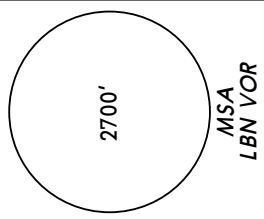
USCC/CEK
BALANDINO

JEPPESEN
14 SEP 07 (10-2D)

CHELYABINSK, RUSSIA
STAR

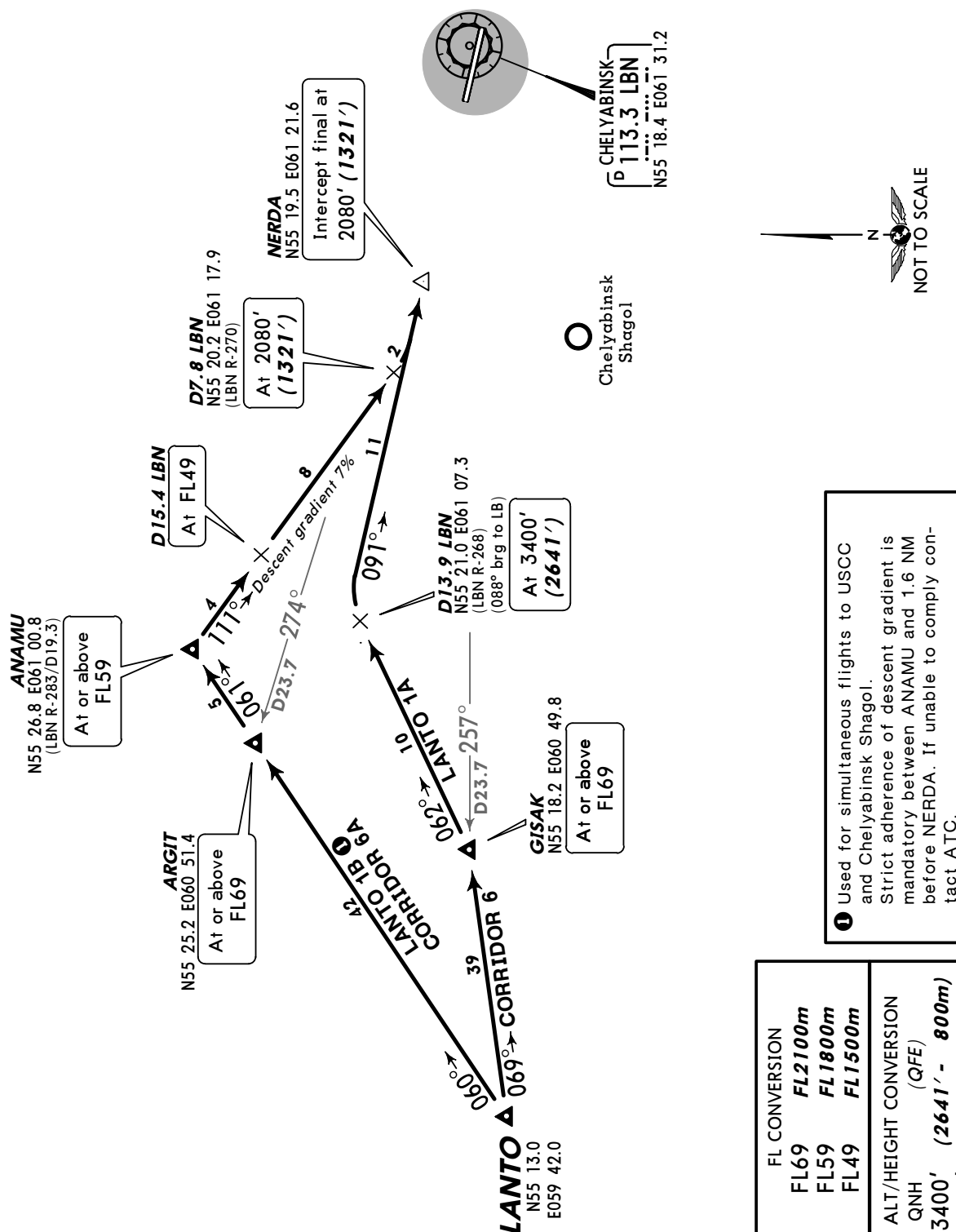
Apt Elev
769'

- Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans Alt: 3400' (2641')
1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM southwest of ARP (landing track 120°/300° MAG) for Chelyabinsk Balandino.
 2. In case of VORDME approach proceed on STAR route to LBN or request radar vectoring and carry out VORDME approach according chart 13-1. Crossing altitudes by ATC.



LANTO 1 ALFA (LANTO 1A) [LANT1A]
LANTO 1 BRAVO (LANTO 1B) [LANT1B]
RWY 09 ARRIVALS
FROM WEST

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2F



USCC/CEK
BALANDINO

JEPPESSEN
14 SEP 07 (10-2E)

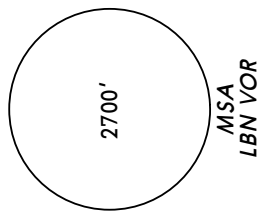
CHELZYABINSK, RUSSIA
STAR

Apt Elev
769'

Alt Set: MM (hPa on request) QNH on request (QFE)

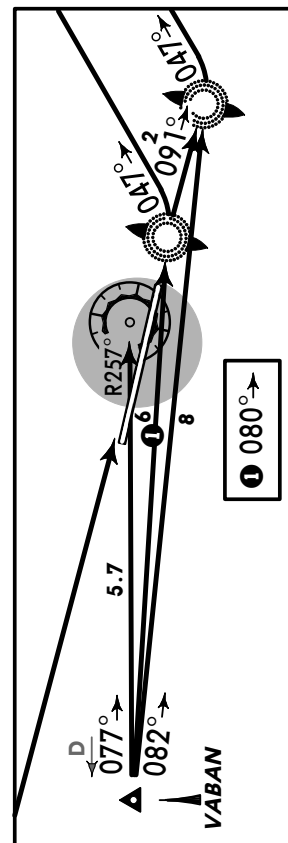
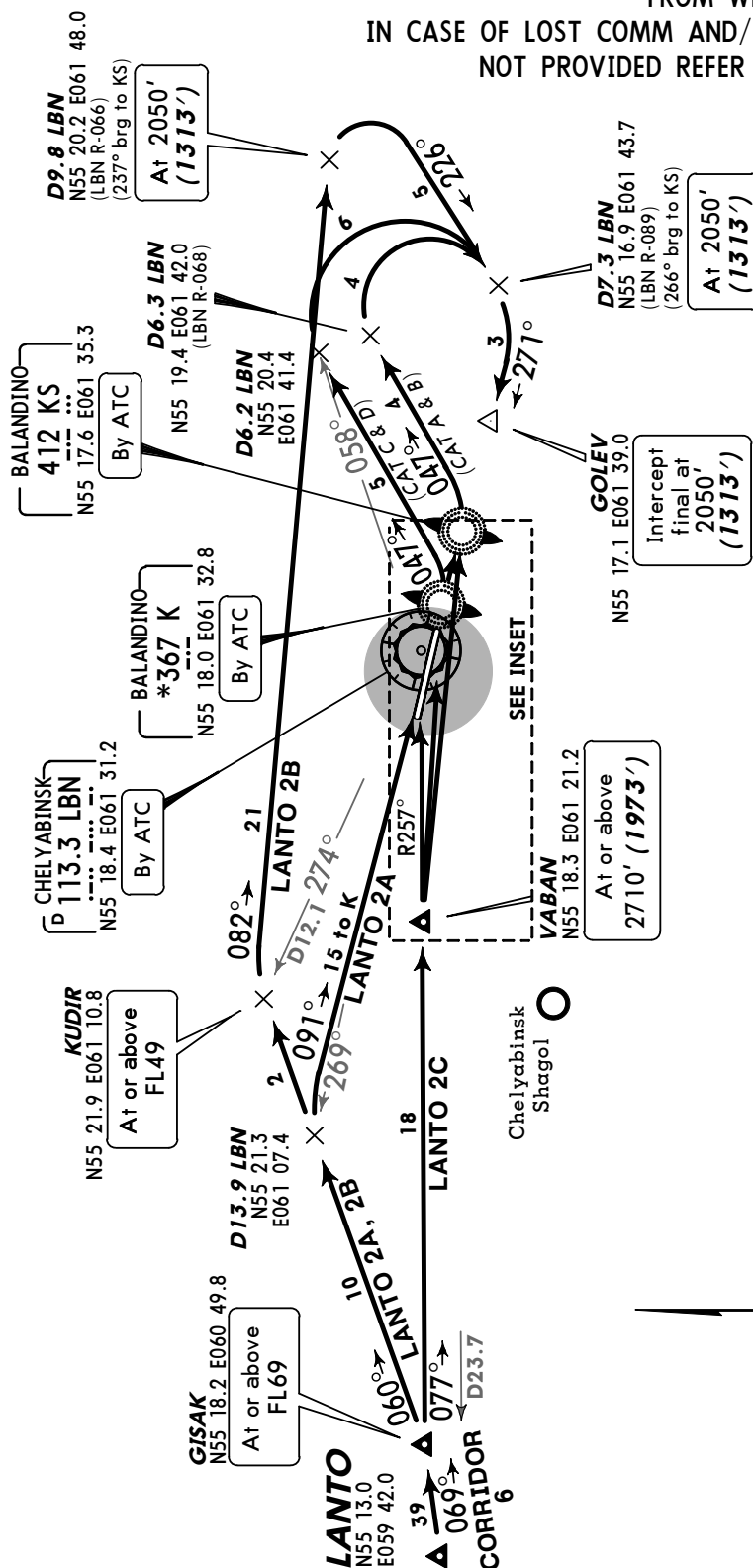
Trans level: By ATC Trans Alt: 3400' (2663')

1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM southwest of ARP (landing track 120°/300° MAG) for Chelyabinsk Balandino.
2. In case of VORDME approach proceed on STAR route to LBN or request radar vectoring and carry out VORDME approach according chart 13-2. Crossing altitudes by ATC.



LANTO 2 ALFA (LANTO 2A) [LANT2A]
LANTO 2 BRAVO (LANTO 2B) [LANT2B]
LANTO 2 CHARLIE (LANTO 2C) [LANT2C]
RWY 27 ARRIVALS
FROM WEST

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2F



FL CONVERSION
FL69 FL2100m
FL49 FL1500m

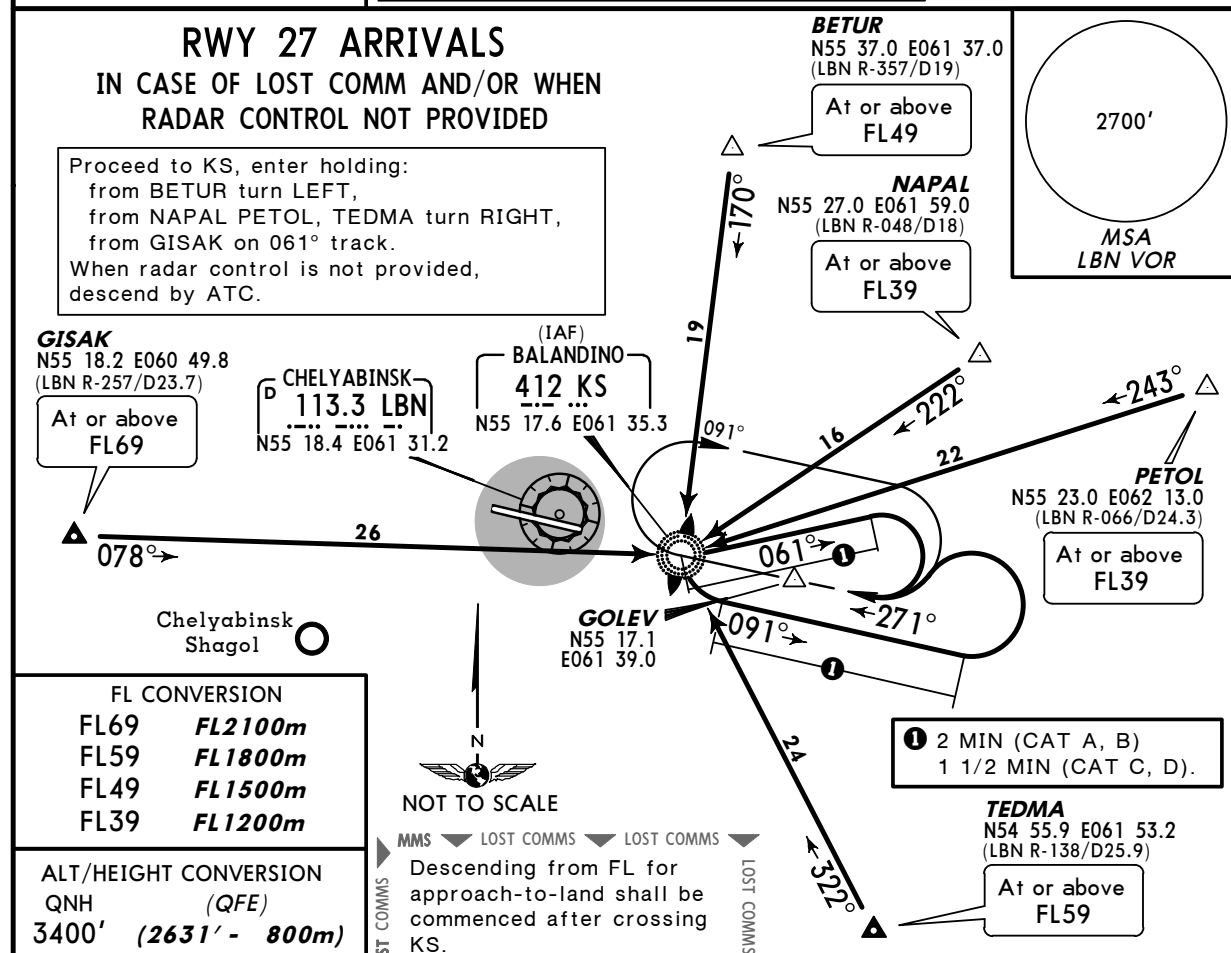
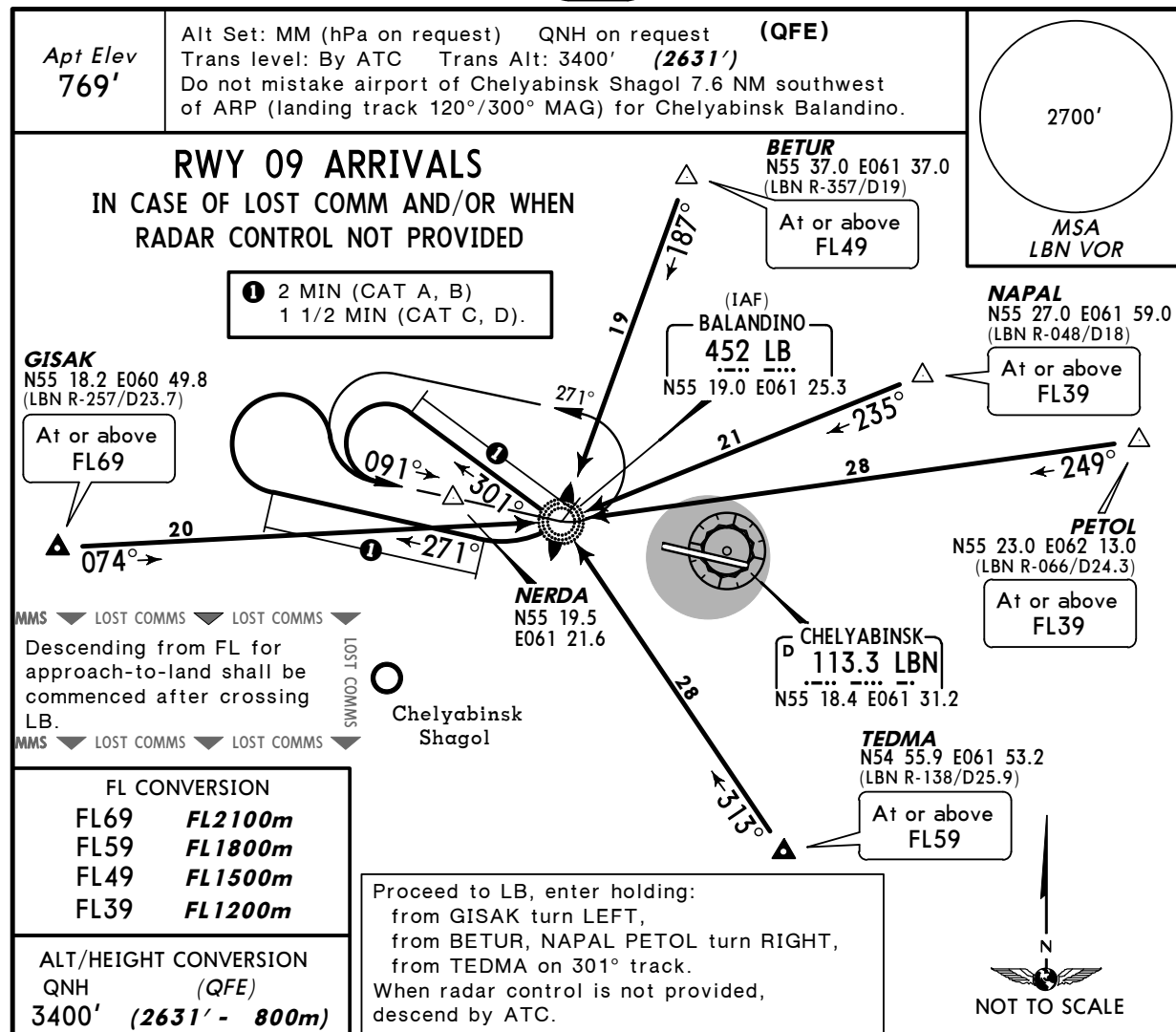
ALT/HEIGHT CONVERSION
QNH (QFE)

3400' (2663' - 800m)
2710' (1973' - 600m)
2050' (1313' - 400m)

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BALANDINO

JEPPESSEN
14 SEP 07 10-2F

CHELYABINSK, RUSSIA
STAR



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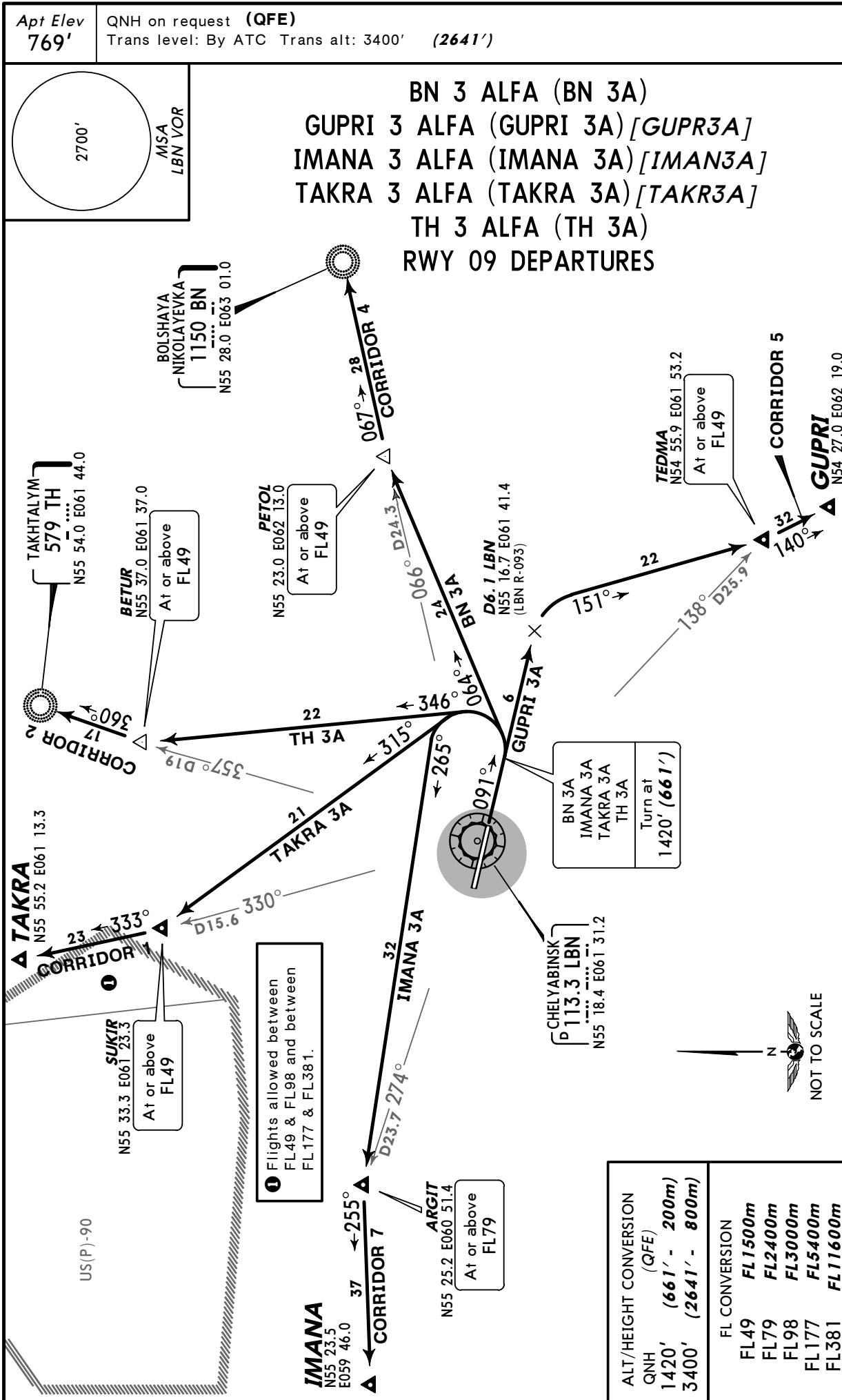
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CHELYABINSK, RUSSIA

14 SEP 07

10-3

SID



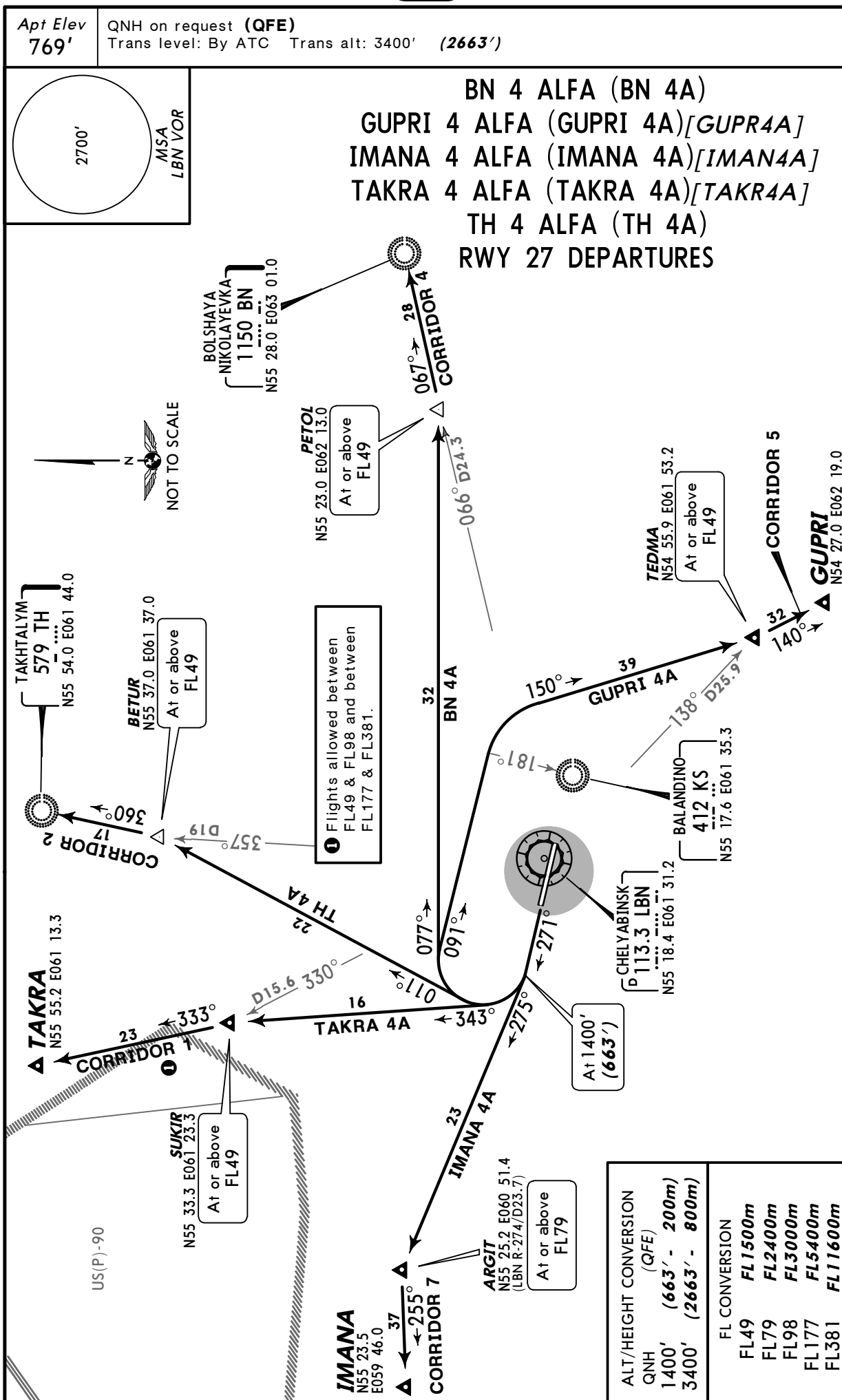
USCC/CEK
 BALANDINO

JEPPESSEN

14 SEP 07 (10-3A)

CHELYABINSK, RUSSIA

SID



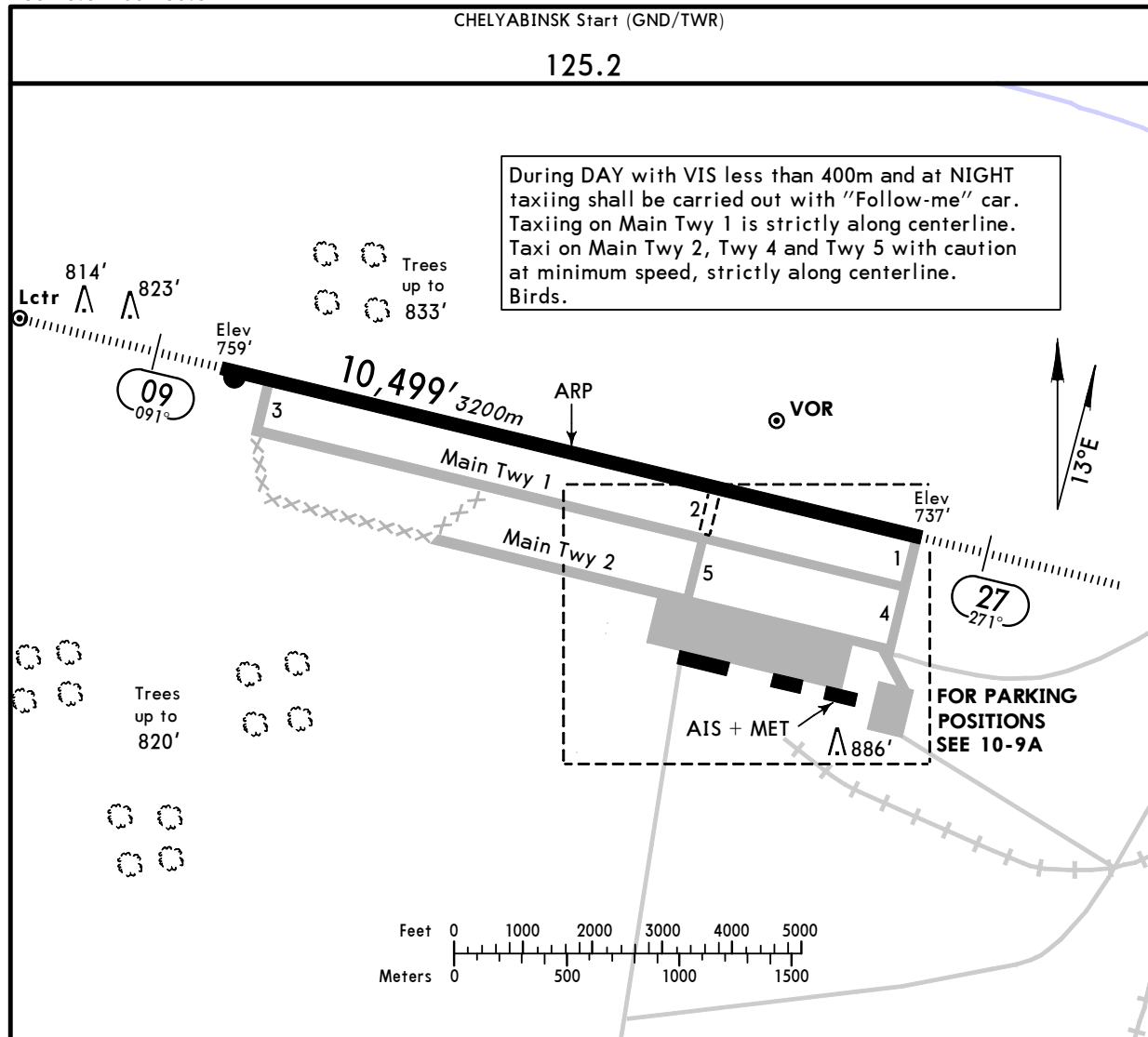
CHANGES: SID WW 4A renamed GUPRI 4A.

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USCC/CEK
Apt Elev **769'**
N55 18.3 E061 30.3

JEPPESEN
5 OCT 07 **(10-9)**

CHELYABINSK, RUSSIA
BALANDINO



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond Glide Slope		
09 27	HIRL (60m) CL (15m) HIALS PAPI-L (angle 2.83°)			9596' 2925m	1	197' 60m

1 TAKE-OFF RUN AVAILABLE

RWY 09:

From rwy head 10,499' (3200m)
twy 3 int 9803' (2988m)

TAKE-OFF

AIR CARRIER (JAA) All Rwys

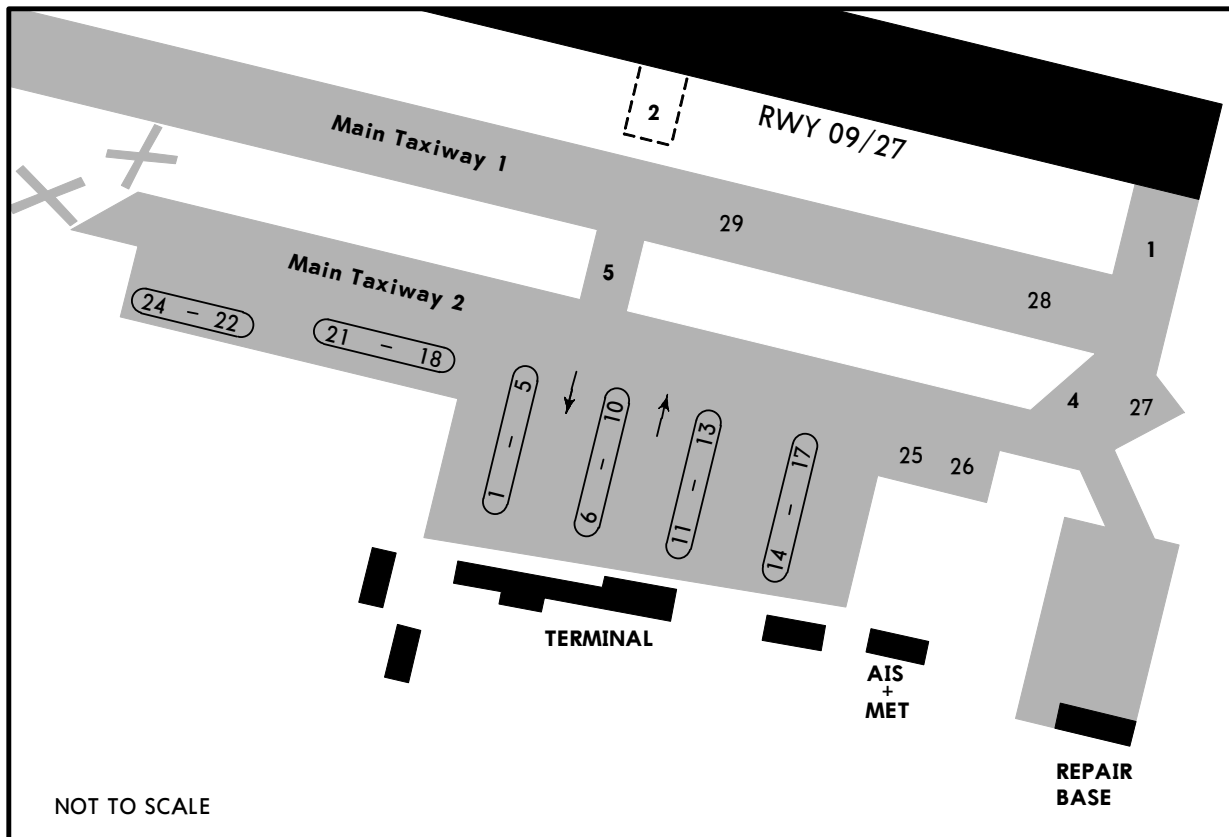
LVP must be in force

	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL
A			
B	200m	250m	400m
C			
D	250m	300m	

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JEPPESEN
5 OCT 07 (10-9A)

CHELYABINSK, RUSSIA
BALANDINO



Parking stands 1 thru 5, 7 thru 17, 27 and Main Twy 2 between Twy 4 and Twy 5 available for helicopters.

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JEPPESEN

JAA MINIMUMS

26 MAY 06

10-9X

Eff 8 Jun

CHELYABINSK, RUSSIA
BALANDINO

STRAIGHT-IN RWY		A	B	C	D
09	ILS	959' (200')	959' (200')	959' (200')	959' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	VOR	1150' (391')	1150' (391')	1150' (391')	1150' (391')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	2 NDB	1110' (351')	1110' (351')	1110' (351')	1110' (351')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	1210' (451')	1210' (451')	1210' (451')	1210' (451')
		R1000m	R1200m	R1200m	R1600m
27	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	ILS	937' (200')	937' (200')	937' (200')	937' (200')
		R550m	R550m	R550m	R550m
	<i>ALS out</i>	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	VOR	1140' (403')	1140' (403')	1140' (403')	1140' (403')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m
	NDB	1140' (403')	1140' (403')	1140' (403')	1140' (403')
		R900m	R1000m	R1000m	R1400m
	<i>ALS out</i>	R1500m	R1500m	R1800m	R2000m

TAKE-OFF RWY 09, 27

LVP must be in Force			
RL & CL		RCLM (DAY only) or RL	RCLM (DAY only) or RL
		NIL (DAY only)	
A			
B	200m	250m	400m
C			500m
D	250m	300m	

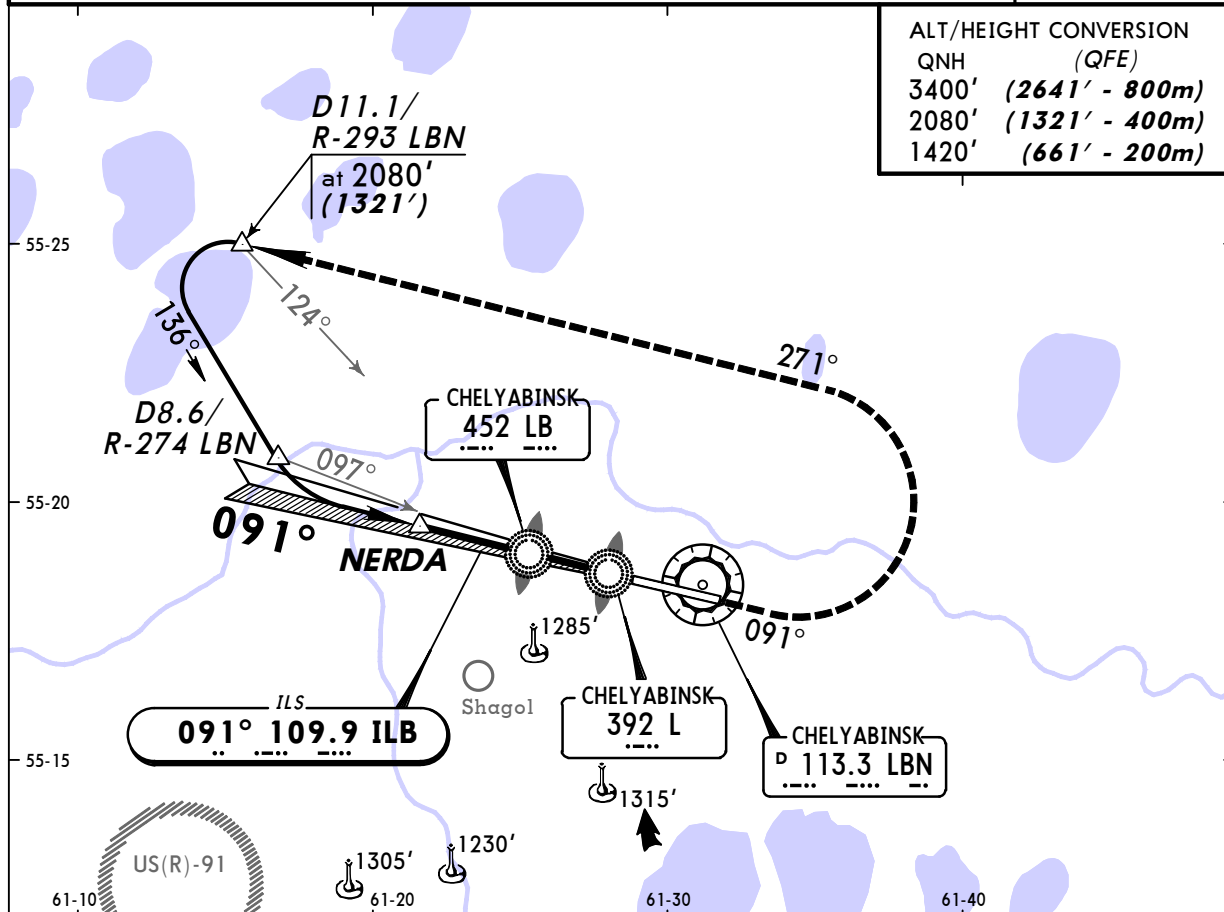
USCC/CEK
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JEPPESEN
1 FEB 08 **11-1** Eff 14 Feb

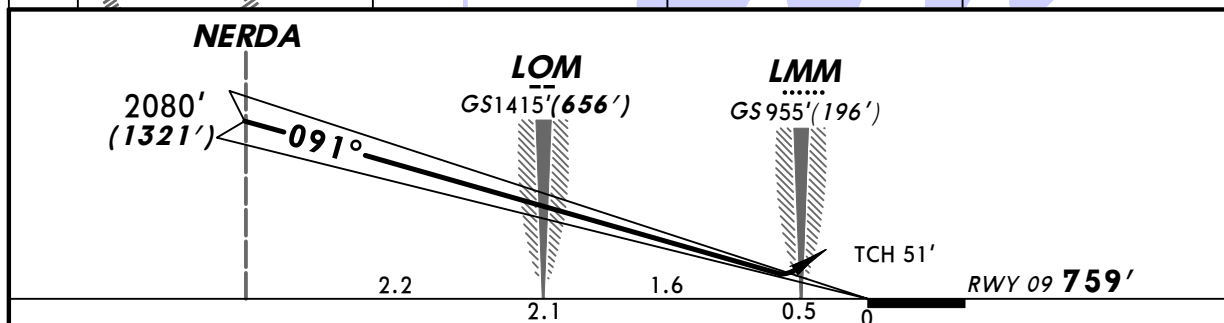
CHELYABINSK, RUSSIA
ILS Rwy 09

BRIEFING STRIP

CHELYABINSK Approach (APP/SRE)		CHELYABINSK Start (TWR)		Ground	
124.7		125.2		125.2	
LOC ILB 109.9	Final Apch Crs 091°	GS LOM 1415' (656')	ILS DA(H) 959' (200')	Apt Elev 769' RWY 759'	2700' MSA LBN VOR
MISSED APCH: Climb on 091° to 1420' (661'), then turn LEFT onto 271° climbing to 2080' (1321'), then according to chart.					
Alt Set: MM(hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3400' (2641')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3400'	(2641' - 800m)
2080'	(1321' - 400m)
1420'	(661' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS		PAPI		1420' (661')	on 091°	271°	2080' (1321')
GS	2.83°	356	457	508	610	711	813							

STRAIGHT-IN LANDING RWY 09				LOC (GS out)	
ILS		FULL		ALS out	
DA(H) 959' (200')					
A					
B					
C	800m		1200m		
D				NOT AUTHORIZED	

PANS OPS

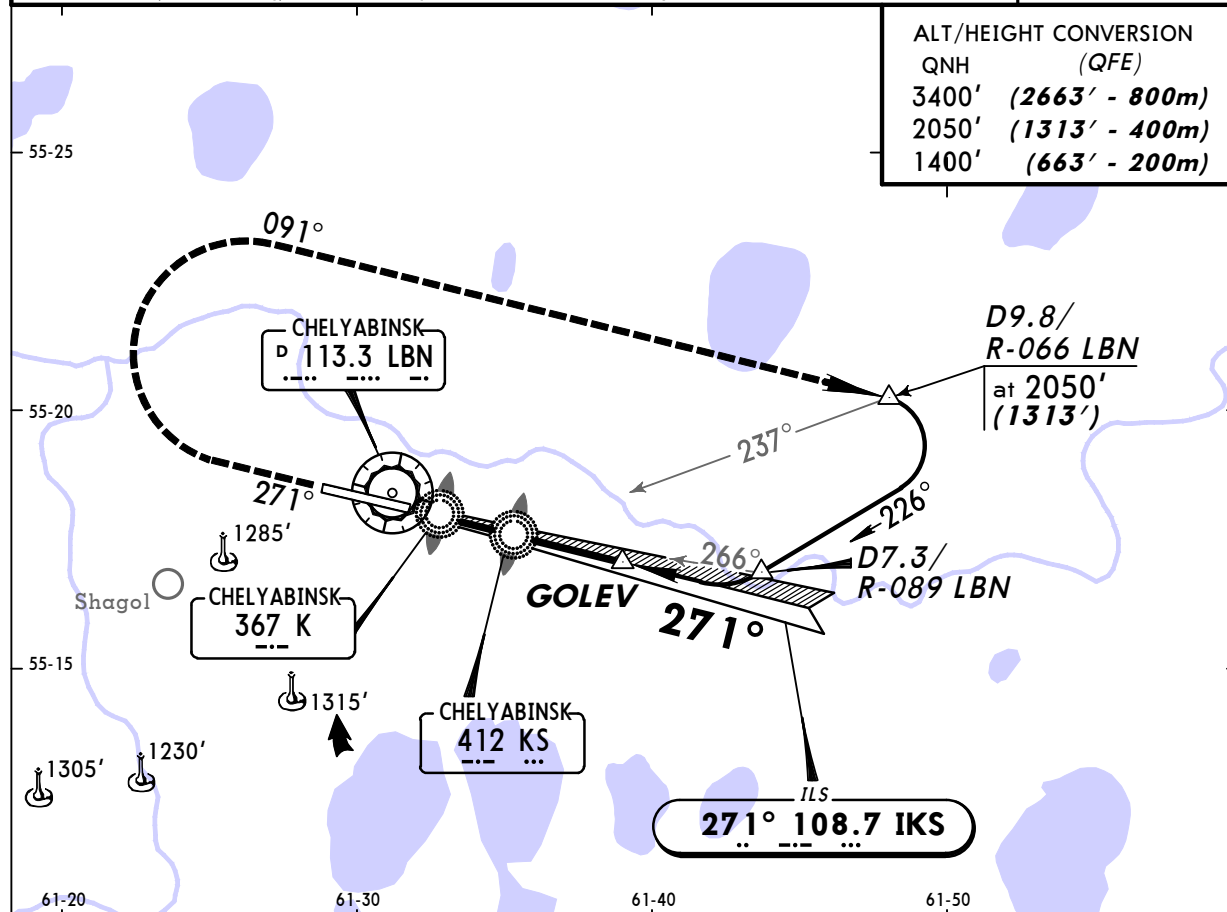
USCC/CEK
BALANDINO

JEPPESEN
1 FEB 08 **11-2** Eff 14 Feb

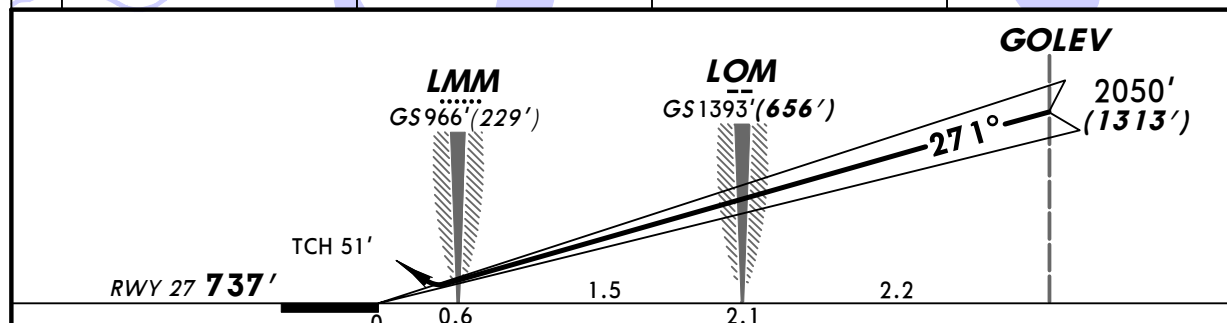
CHELYABINSK, RUSSIA
ILS Rwy 27

BRIEFING STRIP

CHELYABINSK Approach (APP/SRE)		CHELYABINSK Start (TWR)		Ground	
124.7		125.2		125.2	
LOC IKS 108.7	Final Apch Crs 271°	GS LOM 1393' (656')	ILS DA(H) 937' (200')	Apt Elev 769' RWY 737'	2700' MSA LBN VOR
MISSED APCH: Climb on 271° to 1400' (663'), then turn RIGHT onto 091° climbing to 2050' (1313'), then according to chart.					
Alt Set: MM(hPa on req) QNH on req(QFE) Trans level: By ATC Trans alt: 3400' (2663')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3400'	(2663' - 800m)
2050'	(1313' - 400m)
1400'	(663' - 200m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS		1400' (663') on 271°		091° RT		2050' (1313')	
GS	2.83°	356	457	508	610	711	813	PAPI						

STRAIGHT-IN LANDING RWY 27									
ILS					LOC (GS out)				
<i>DA(H) 937'(200')</i>									
FULL			ALS out						
A	800m		1200m		NOT AUTHORIZED				
B									
C									
D									

PANS OPS

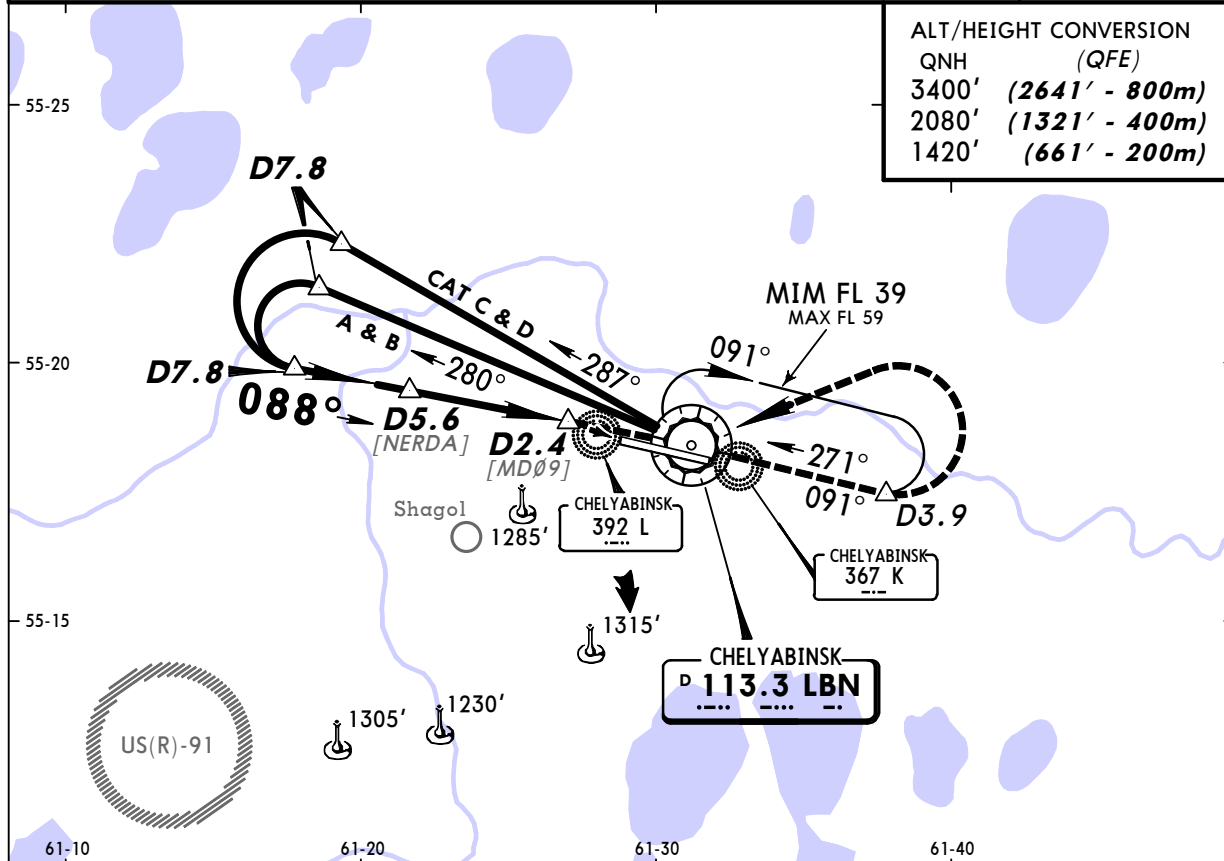
USCC/CEK
BALANDINO

JEPPESEN
15 SEP 06 **13-1** Eff 28 Sep

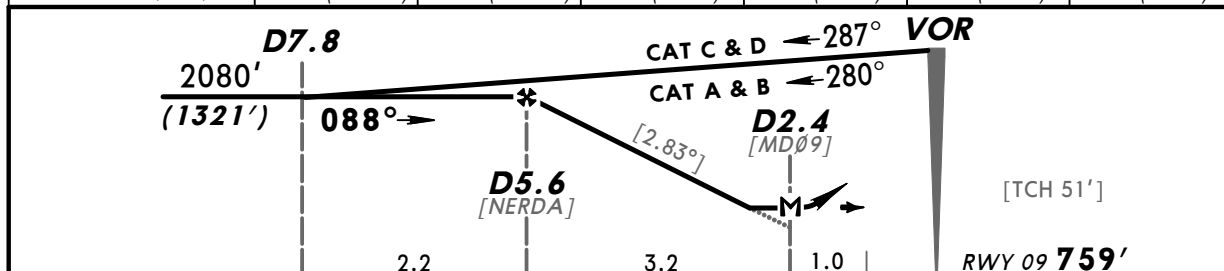
CHELYABINSK, RUSSIA
VOR DME Rwy 09

BRIEFING STRIP

CHELYABINSK Approach (APP/SRE)		CHELYABINSK Start (TWR)		Ground	
124.7		125.2		125.2	
VOR LBN 113.3	Final Apch Crs 088°	Minimum Alt D5.6 2080'(1321')	MDA(H) 1150'(391')	Apt Elev 769' RWY 759'	2700'
MISSED APCH: Climb on track 091° to 1420' (661') or above at D3.9, then turn LEFT to VOR climbing to 2080' (1321').					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3400'(2641')					
					MSA LBN VOR



LBN DME	5.1	4.6	4.0	3.5	2.9	2.4
ALTITUDE (HAT)	1910' (1151')	1760' (1001')	1600' (841')	1440' (681')	1290' (531')	1120' (361')



Gnd speed-Kts	70	90	100	120	140	160	HIALS		1420' (661') or above on		091° D3.9	
Descent gradient 4.94% or Descent angle [2.83°]	350	451	501	601	701	801	PAPI					
MAP at D2.4												

STRAIGHT-IN LANDING RWY 09					
MDA(H) 1150'(391')					
			ALS out		
A	1200m		1900m		
B					
C					
D	1600m		2000m		

PANS OPS

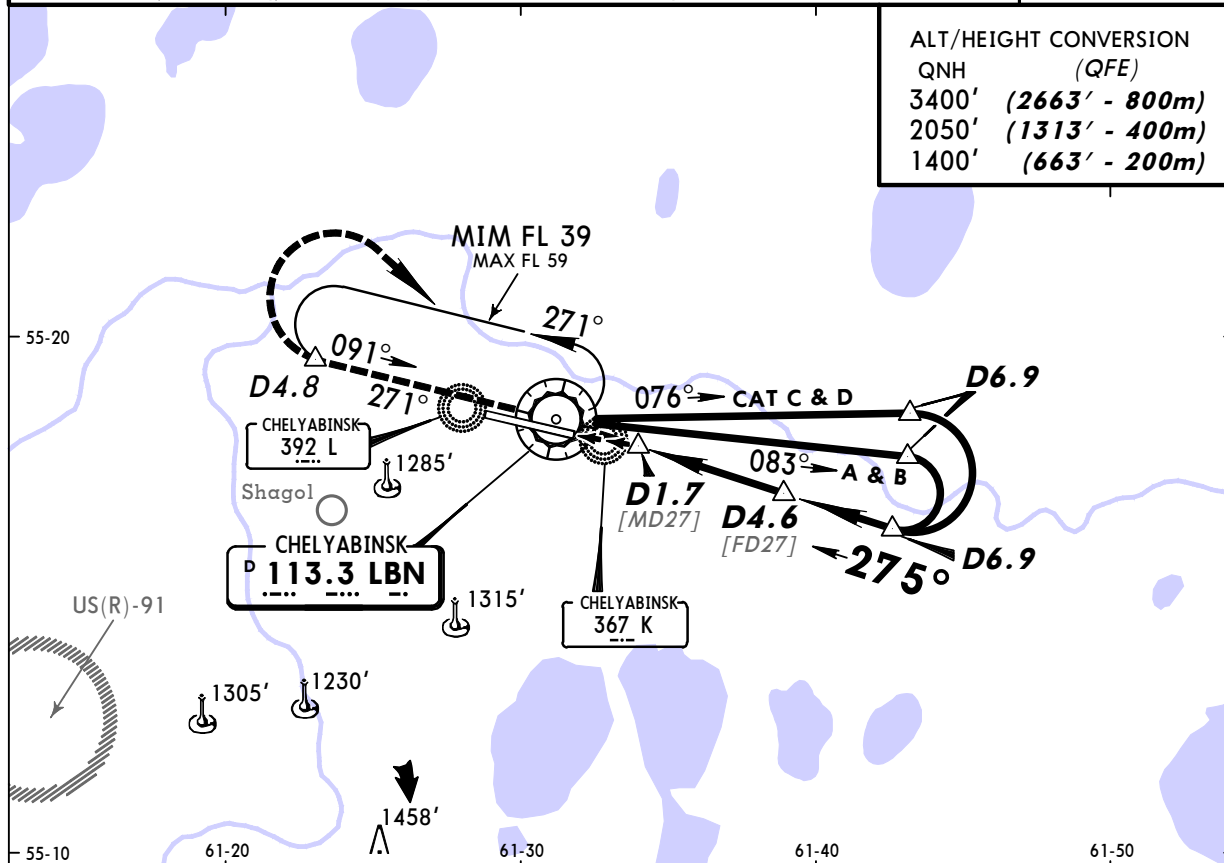
USCC/CEK
BALANDINO

JEPPESEN
15 SEP 06 **13-2** Eff 28 Sep

CHELYABINSK, RUSSIA
VOR DME Rwy 27

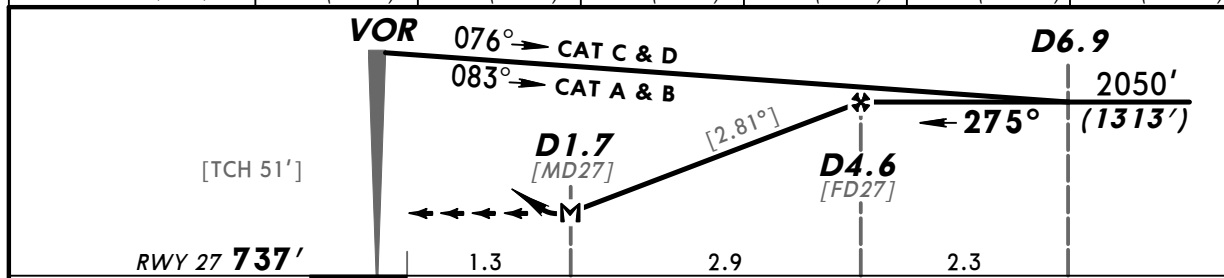
BRIEFING STRIP

CHELYABINSK Approach (APP/SRE)		CHELYABINSK Start (TWR)		Ground	
124.7		125.2		125.2	
VOR LBN 113.3	Final Apch Crs 275°	Minimum Alt D4.6 2050'(1313')	MDA(H) 1140'(403')	Apt Elev 769' RWY 737'	2700'
MISSED APCH: Climb on track 271° to 1400' (663') or above at D4.8, then turn RIGHT to VOR climbing to 2050' (1313').					
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3400'(2663')					
					MSA LBN VOR



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3400'	(2663' - 800m)
2050'	(1313' - 400m)
1400'	(663' - 200m)

LBN DME	1.7	2.0	2.6	3.1	3.6	4.2
ALTITUDE (HAT)	1150' (413')	1270' (533')	1410' (673')	1580' (843')	1740' (1003')	1890' (1153')



Gnd speed-Kts	70	90	100	120	140	160	HIALS		1400' (663') or above on 271° D4.8	
Descent gradient 4.90% or Descent angle [2.81°]	348	447	497	596	696	795	PAPI			
MAP at D1.7										

STRAIGHT-IN LANDING RWY 27			
MDA(H) 1140' (403')			
ALS out			
A	1600m	2400m	
B			
C			
D			

PANS OPS

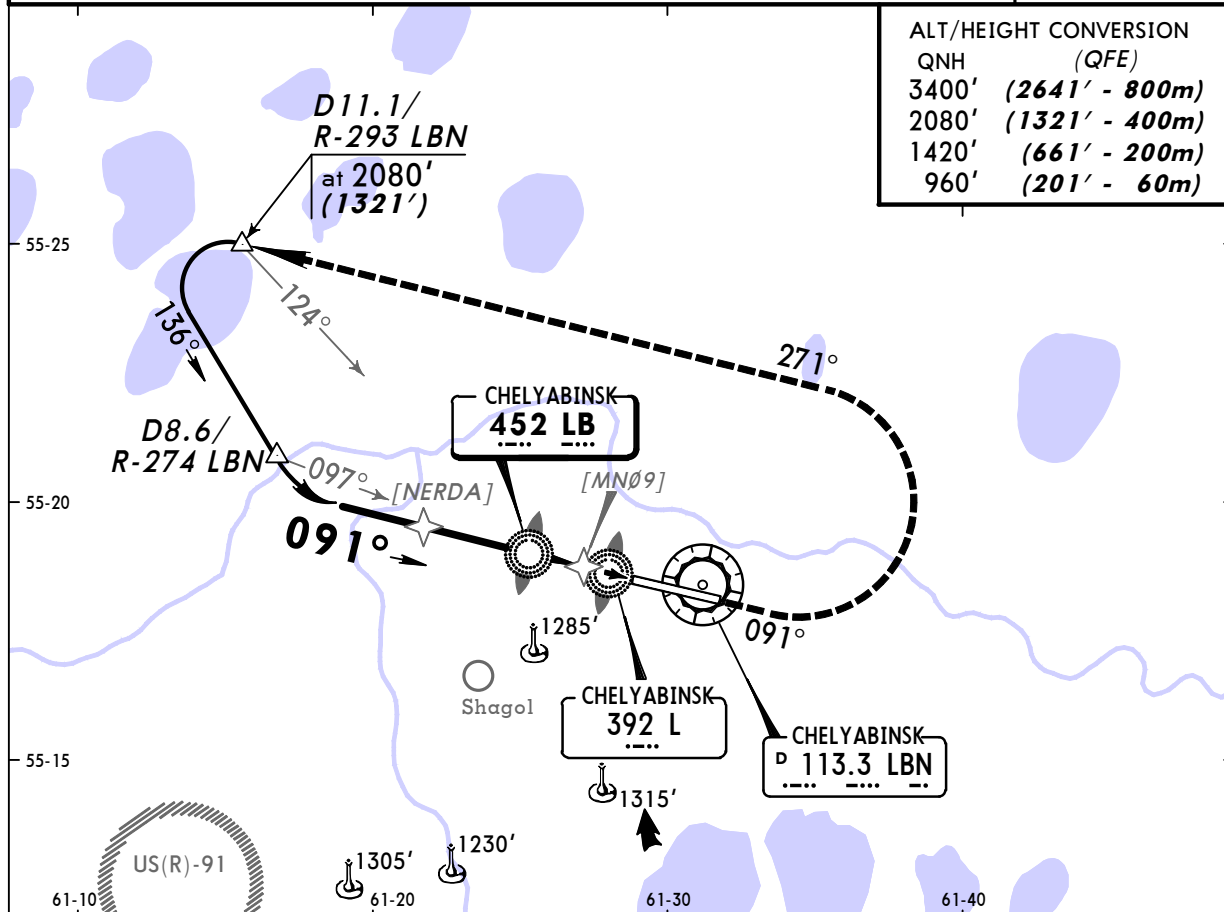
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BALANDINO

JEPPESEN
1 FEB 08 (16-1) Eff 14 Feb

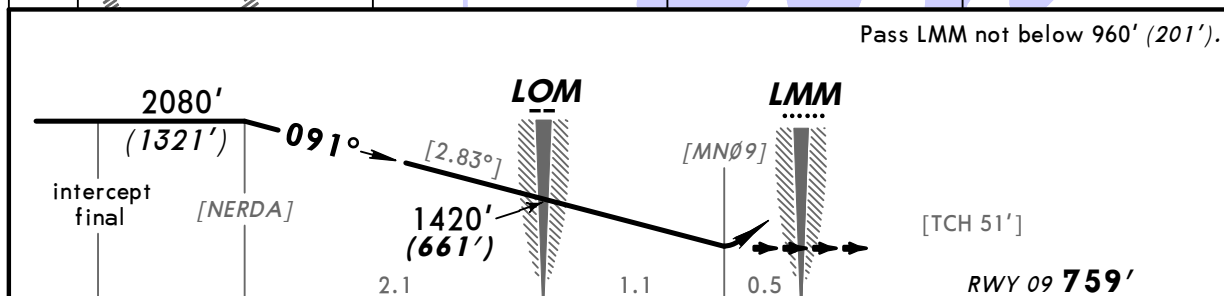
CHELYABINSK, RUSSIA
2 NDB Rwy 09

BRIEFING STRIP

CHELYABINSK Approach (APP/SRE)		CHELYABINSK Start (TWR)		Ground	
124.7		125.2		125.2	
NDB LB 452	Final Apch Crs 091°	Minimum Alt LOM 1420' (661')	MDA(H) Refer to Minimums	Apt Elev 769' RWY 759'	2700' MSA LBN VOR
MISSED APCH: Climb on 091° to 1420' (661'), then turn LEFT onto 271° climbing to 2080' (1321'), then according to chart.					
Alt Set: MM(hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3400' (2641')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3400'	(2641' - 800m)
2080'	(1321' - 400m)
1420'	(661' - 200m)
960'	(201' - 60m)



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1420' (661')	on 091°	271°	2080' (1321')
Desc grad 4.94% or Descent angle [2.83°]	350	451	501	601	701	801	PAPI			LT	

STRAIGHT-IN LANDING RWY 09					
2 NDB		LB NDB or L NDB			
MDA(H) 1110' (351')		MDA(H) 1210' (451')			
ALS out		ALS out			
A					
B	1200m	1900m	1700m		
C					
D	1600m	2000m	2100m		

PANS OPS

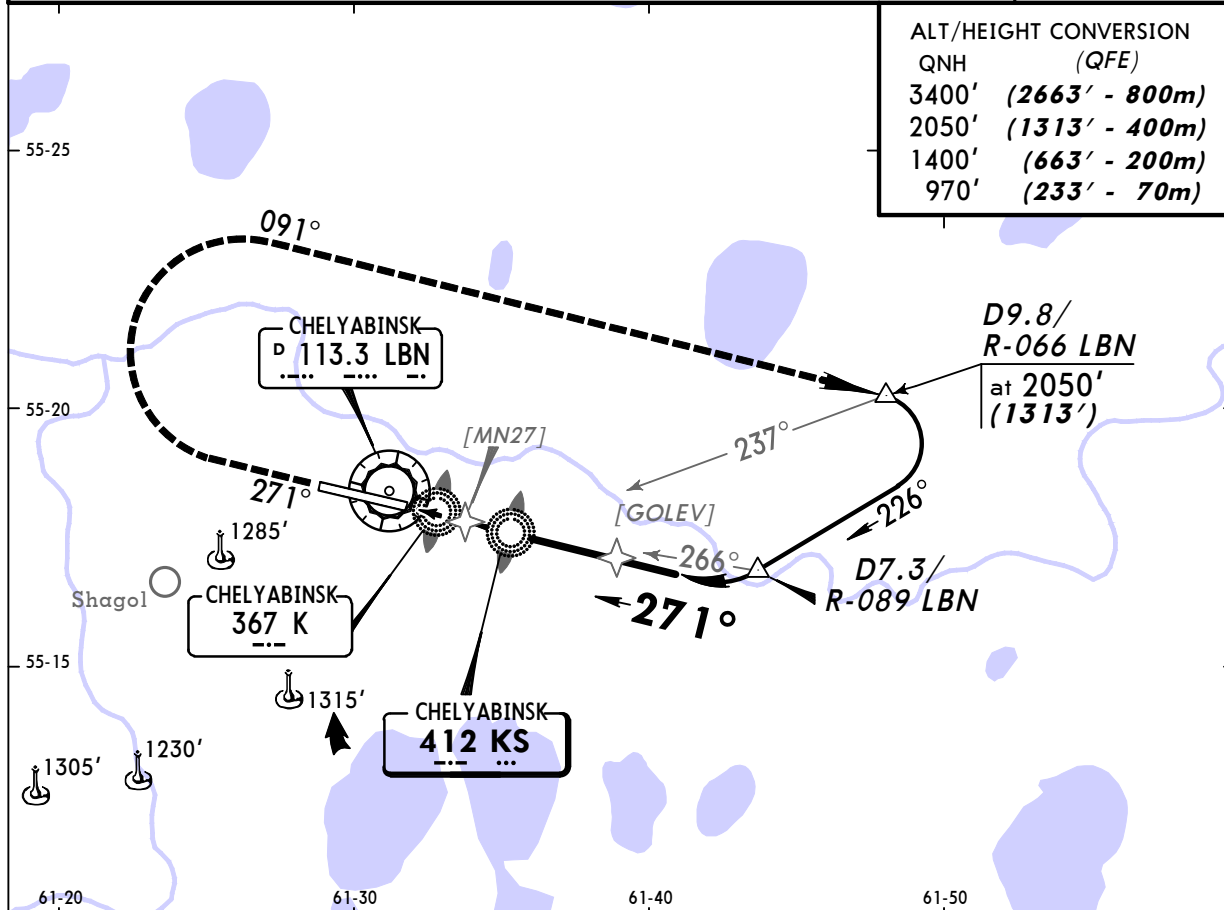
USCC/CEK
BALANDINO

JEPPESEN
1 FEB 08 (16-2) Eff 14 Feb

CHELYABINSK, RUSSIA
2 NDB Rwy 27

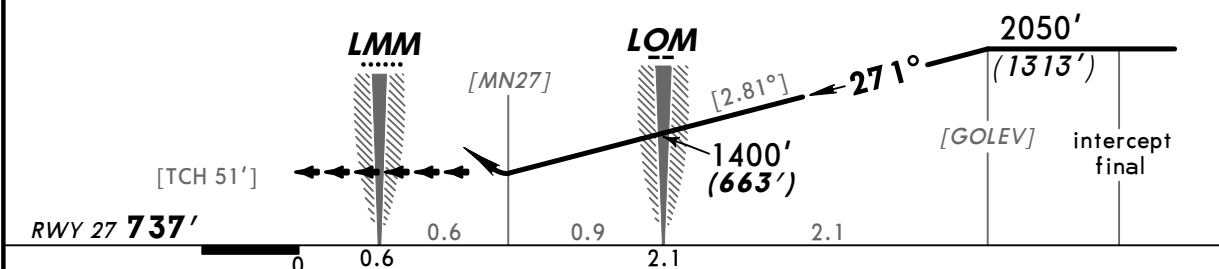
BRIEFING STRIP

CHELYABINSK Approach (APP/SRE)		CHELYABINSK Start (TWR)		Ground	
124.7		125.2		125.2	
NDB KS 412	Final Apch Crs 271°	Minimum Alt LOM 1400'(663')	MDA(H) 1140'(403')	Apt Elev 769' RWY 737'	2700' MSA LBN VOR
MISSED APCH: Climb on 271° to 1400'(663'), then turn RIGHT onto 091° climbing to 2050'(1313'), then according to chart.					
Alt Set: MM(hPa on req) QNH on req(QFE) Trans level: By ATC Trans alt: 3400'(2663')					



ALT/HEIGHT CONVERSION	
QNH	(QFE)
3400'	(2663' - 800m)
2050'	(1313' - 400m)
1400'	(663' - 200m)
970'	(233' - 70m)

Pass LMM not below 970' (233').



Gnd speed-Kts	70	90	100	120	140	160	HIALS	1400' (663')	on 271°	091°	2050' (1313')
Desc grad 4.90% or Descent angle [2.81°]	348	447	497	596	696	795	PAPI			RT	

STRAIGHT-IN LANDING RWY 27			
2 NDB		KS NDB or K NDB	
MDA(H) 1140' (403')		MDA(H) 1140' (403')	
ALS out		ALS out	
A			
B	1500m	2300m	1500m
C			2300m
D	1900m		1900m

PANS OPS

CHANGES: Waypoints.

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