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

No revision activity since Disc 26-2012

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport USCC

General Info

Chelyabinsk, RUS
N 55° 18.3' E 61° 30.2' Mag Var: 12.5°E
Elevation: 769'

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

Time Zone Info: GMT+6:00 no DST

Runway Info

Runway 09-27 10499' x 197' concrete

Runway 09 (90.0°M) TDZE 759'
Lights: Edge, ALS, Centerline
Runway 27 (270.0°M) TDZE 737'
Lights: Edge, ALS, Centerline

Communications Info

Chelyabinsk Start Tower **125.2**
Chelyabinsk Approach Control **124.7**
Chelyabinsk Approach Control **124.0** Secondary

Notebook Info

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

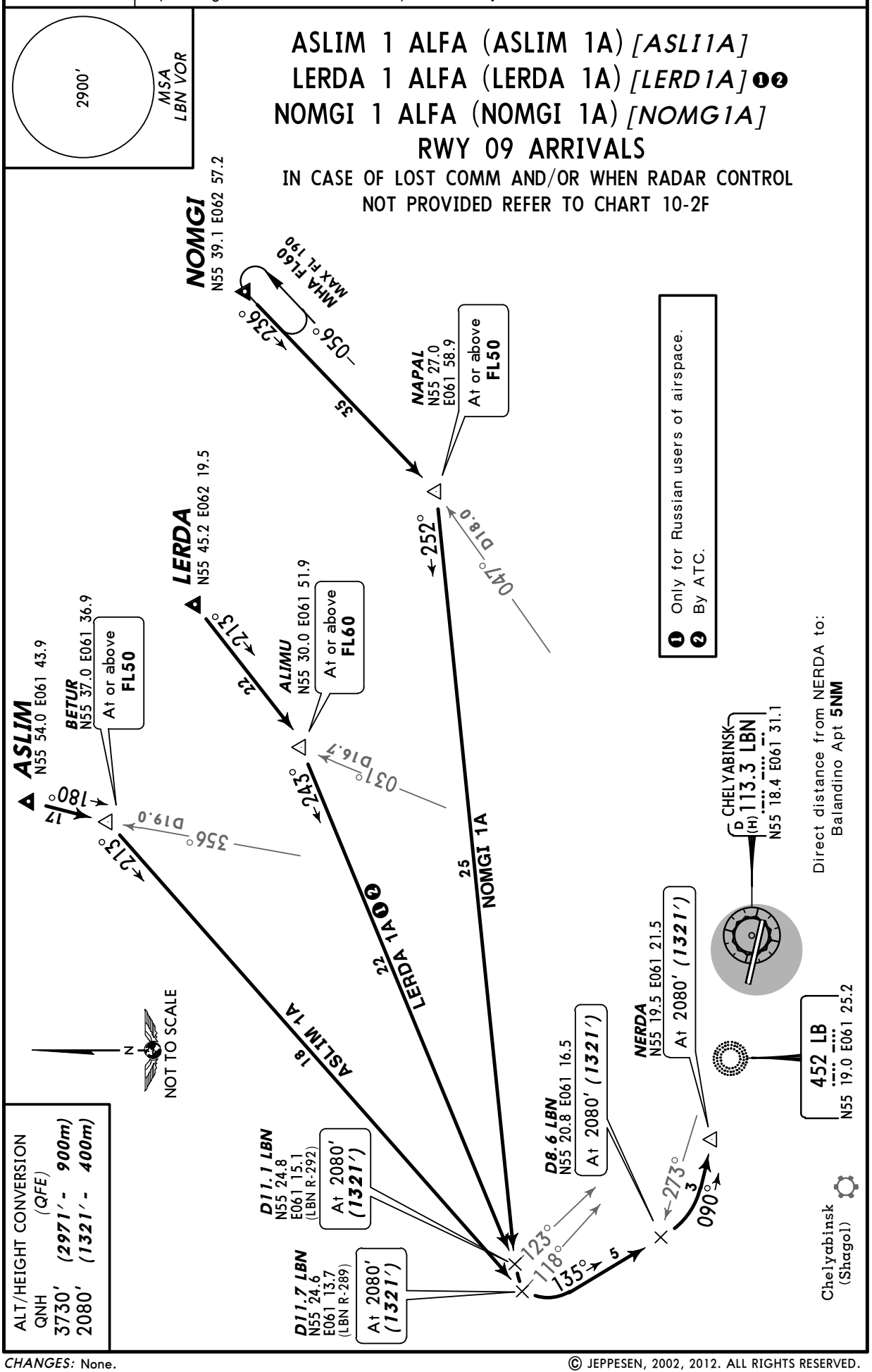
USCC/CEK BALANDINO

JEPPESEN 2 NOV 12 (10-2) Eff 15 Nov

CHELYABINSK, RUSSIA

STAR

Apt Elev 769′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: By ATC Trans Alt: 3730′ *(2971′)* Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with Chelyabinsk Balandino.



CHANGES: None.

© JEPPESEN, 2002, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN 2 NOV 12 (10-2A) Eff 15 Nov

CHELYABINSK, RUSSIA

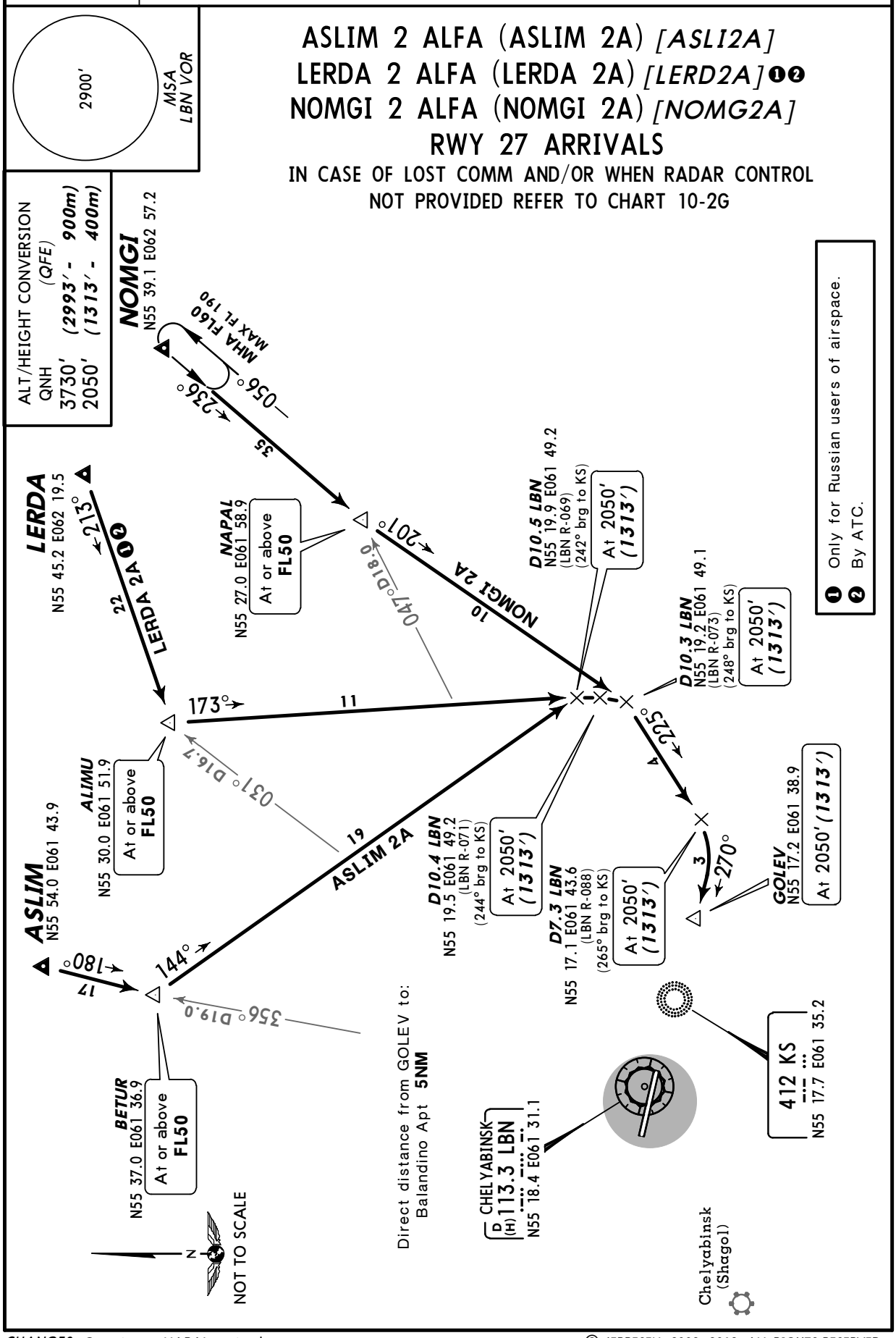
STAR

Apt Elev 769'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans Alt: 3730' (2993')
1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with 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.

ASLIM 2 ALFA (ASLIM 2A) [ASLI2A]
LERDA 2 ALFA (LERDA 2A) [LERD2A] ❶❷
NOMGI 2 ALFA (NOMGI 2A) [NOMG2A]
RWY 27 ARRIVALS

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



CHANGES: Crossing at NAPAL revised.

© JEPPESEN, 2002, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN 10 AUG 12 (10-2B) Eff 23 Aug

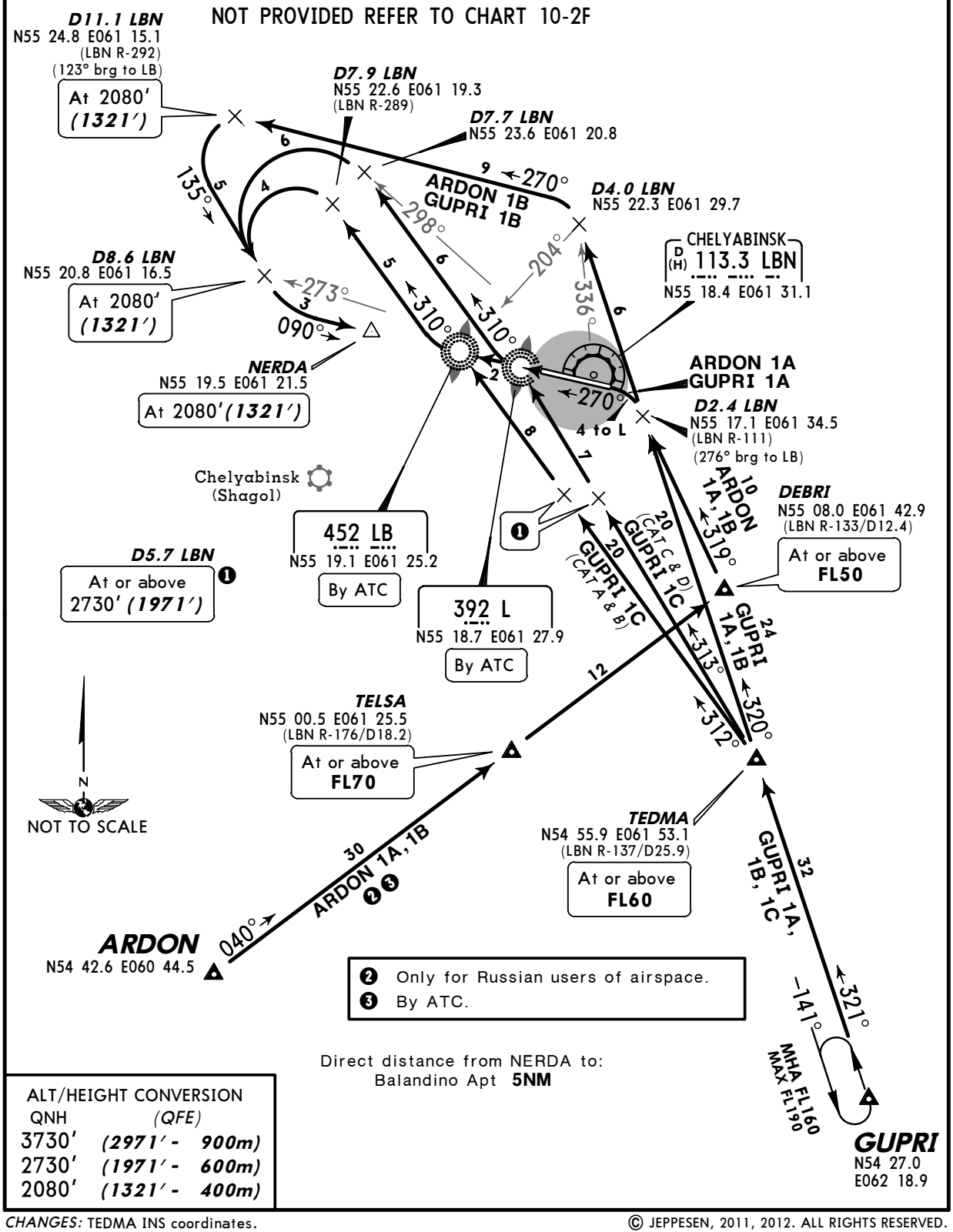
CHELYABINSK, RUSSIA

STAR

Apt Elev 769′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: By ATC Trans Alt: 3730′ *(2971′)* Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with Chelyabinsk Balandino.

ARDON 1 ALFA (ARDON 1A) *[ARDO1A]* ❷❸
ARDON 1 BRAVO (ARDON 1B) *[ARDO1B]* ❷❸
GUPRI 1 ALFA (GUPRI 1A) *[GUPR1A]*
GUPRI 1 BRAVO (GUPRI 1B) *[GUPR1B]*
GUPRI 1 CHARLIE (GUPRI 1C) *[GUPR1C]*
RWY 09 ARRIVALS

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



❷ Only for Russian users of airspace.
❸ By ATC.

Direct distance from NERDA to:
Balandino Apt **5NM**

ALT/HEIGHT CONVERSION

QNH	(QFE)
3730′	*(2971′ - 900m)*
2730′	*(1971′ - 600m)*
2080′	*(1321′ - 400m)*

CHANGES: TEDMA INS coordinates.

© JEPPESEN, 2011, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK
BALANDINO

JEPPESEN

10 AUG 12 (10-2C) Eff 23 Aug

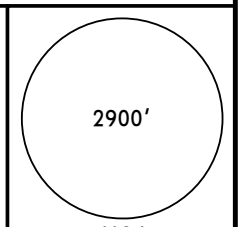
CHELYABINSK, RUSSIA

STAR

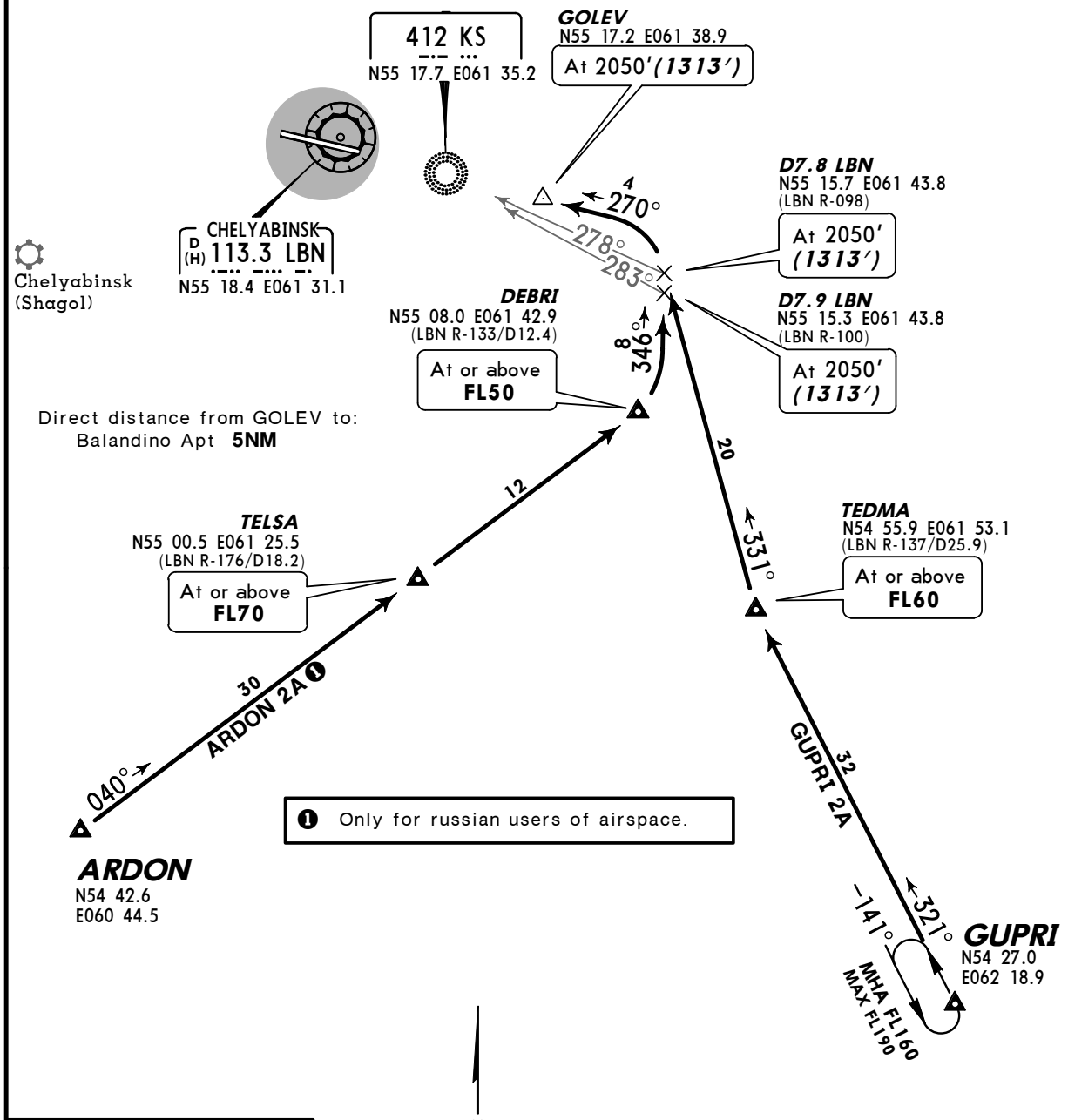
Apt Elev 769′	Alt Set: MM (hPa on request) QNH on request (QFE) Trans level: By ATC Trans Alt: 3730′ *(2993′)* 1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with Chelyabinsk Balandino. 2. In case of VORDME approach proceed on STAR route to LBN or request RADAR vectoring and carry out VORDME approach according chart 13-1. Crossing altitudes by ATC.

ARDON 2 ALFA (ARDON 2A) *[ARDO2A]* ❶
GUPRI 2 ALFA (GUPRI 2A) *[GUPR2A]*
RWY 27 ARRIVALS

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



MSA
LBN VOR



ALT/HEIGHT CONVERSION		
QNH	*(QFE)*	
3730′	*(2993′ -*	*900m)*
2050′	*(1313′ -*	*400m)*

CHANGES: TEDMA INS coordinates.

© JEPPESEN, 2011, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK BALANDINO

JEPPESEN

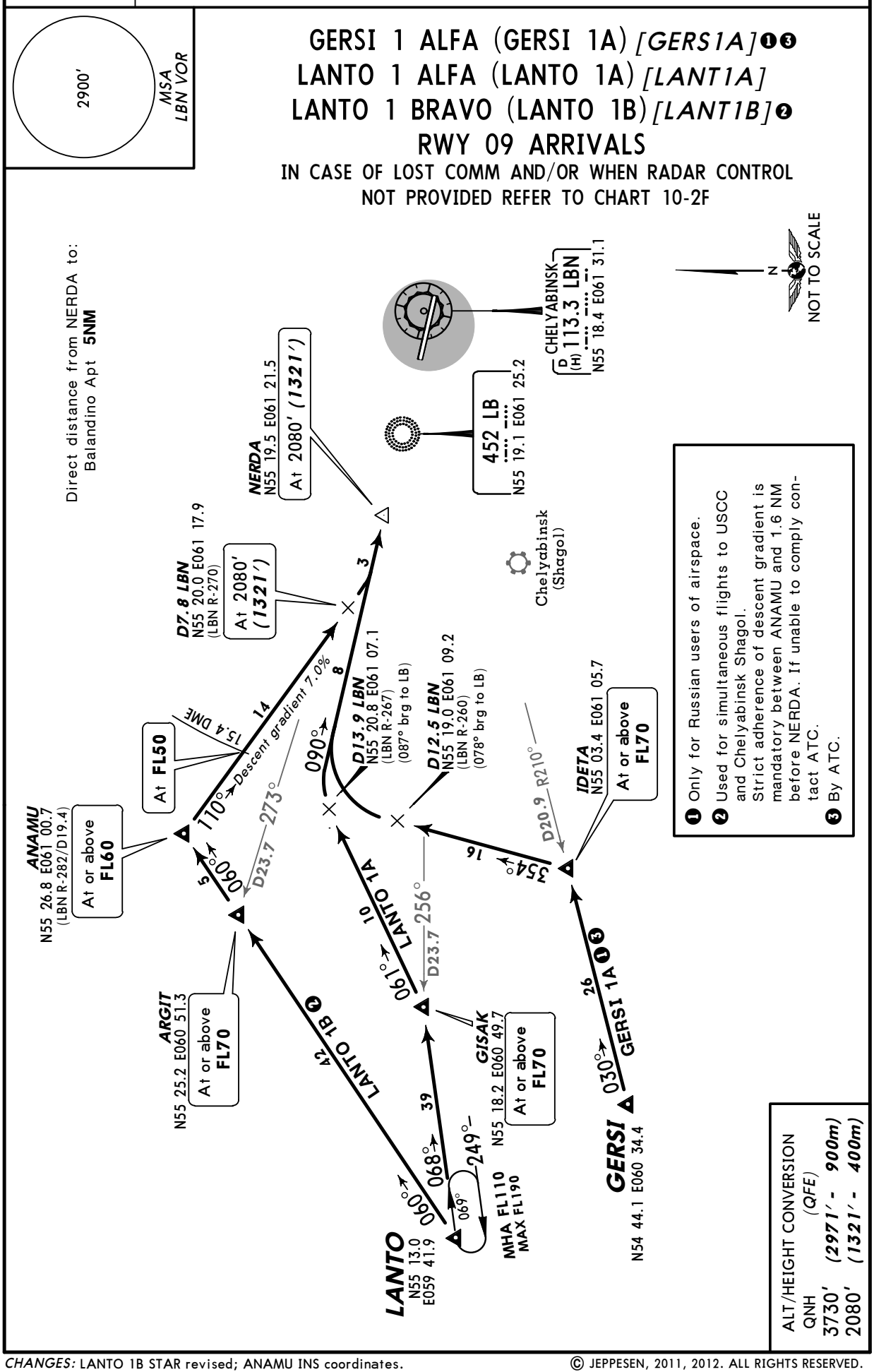
10 AUG 12 (10-2D) Eff 23 Aug

CHELYABINSK, RUSSIA

STAR

Apt Elev 769'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans Alt: 3730' (2971')
Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with Chelyabinsk Balandino.



CHANGES: LANTO 1B STAR revised; ANAMU INS coordinates.

© JEPPESEN, 2011, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN 10 AUG 12 (10-2E) Eff 23 Aug

CHELYABINSK, RUSSIA

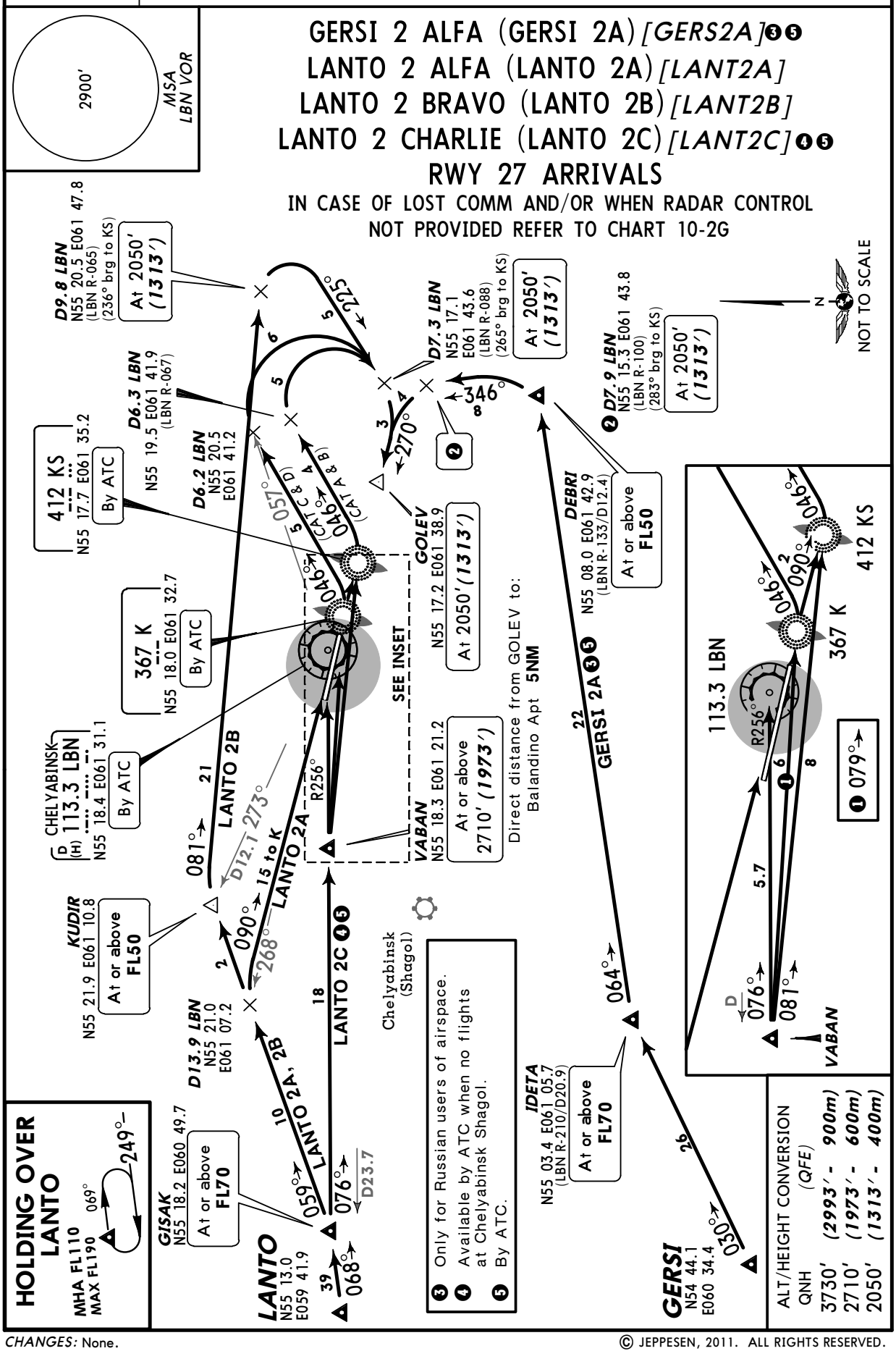
STAR

Apt Elev 769′

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: By ATC Trans Alt: 3730′ (2993′)
1. Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with 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.

GERSI 2 ALFA (GERSI 2A) [GERS2A] ❸❺
LANTO 2 ALFA (LANTO 2A) [LANT2A]
LANTO 2 BRAVO (LANTO 2B) [LANT2B]
LANTO 2 CHARLIE (LANTO 2C) [LANT2C] ❹❺
RWY 27 ARRIVALS

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



CHANGES: None.

© JEPPESEN, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN
10 AUG 12 (10-2F) Eff 23 Aug

CHELYABINSK, RUSSIA

STAR

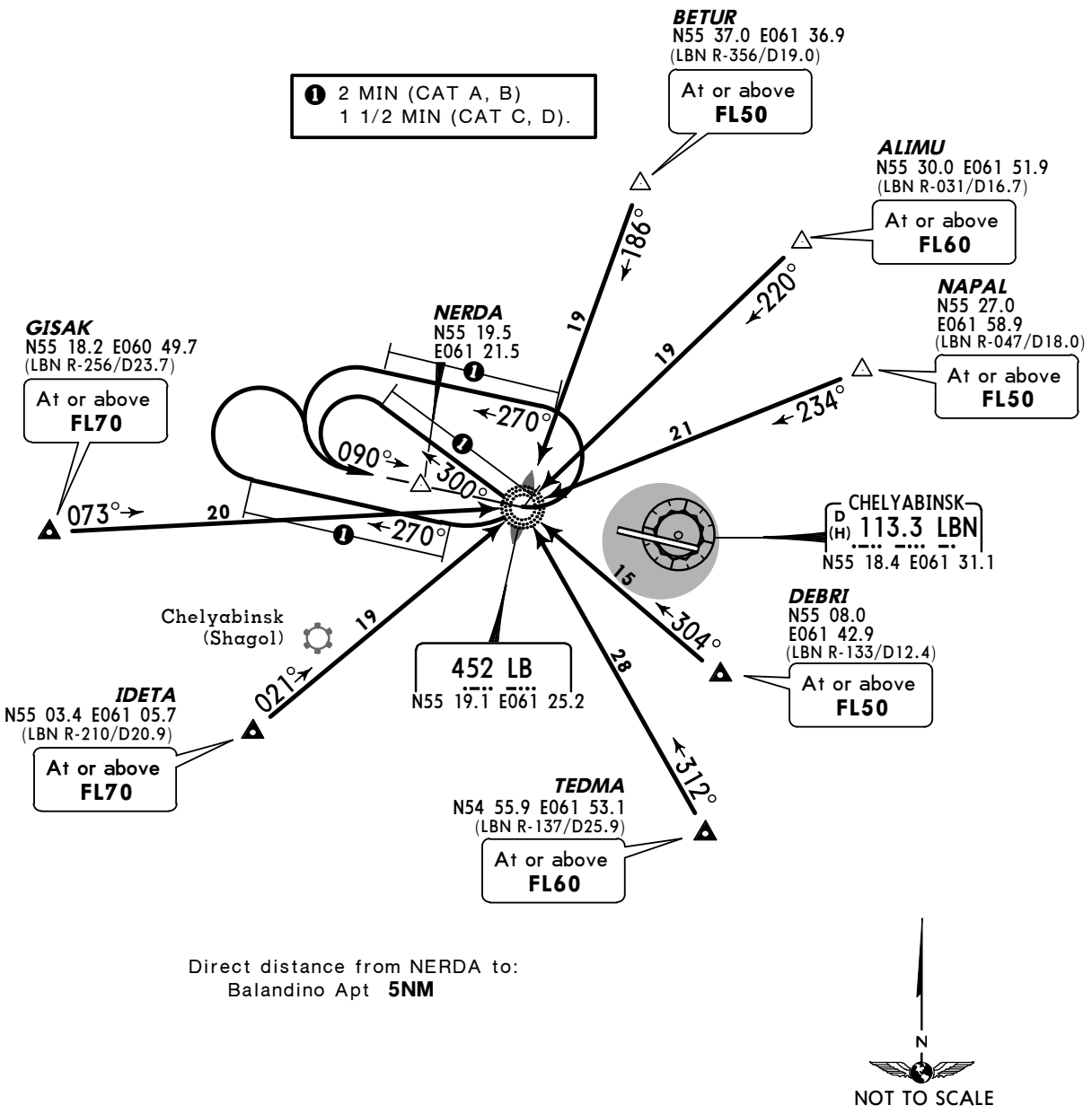
Apt Elev 769′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: By ATC Trans Alt: 3730′ ***(2971′)*** Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with Chelyabinsk Balandino.

2900′
MSA
LBN VOR

RWY 09 ARRIVALS

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL NOT PROVIDED

Proceed to LB, enter holding:
from GISAK, IDETA turn LEFT,
from ALIMU, BETUR, NAPAL turn RIGHT,
from DEBRI, TEDMA on 300° track.
When RADAR control is not provided, descend by ATC.



Direct distance from NERDA to:
Balandino Apt **5NM**

LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼

Descending from FL for approach-to-land shall be commenced after crossing LB.

▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3730′	***(2971′ - 900m)***

CHANGES: Crossing at NAPAL revised; INS coordinates.

© JEPPESEN, 2007, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN 10 AUG 12 (10-2G) Eff 23 Aug

CHELYABINSK, RUSSIA

STAR

Apt Elev 769′

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: By ATC Trans Alt: 3730′ ***(2993′)***
Do not mistake airport of Chelyabinsk Shagol 7.6 NM SOUTHWEST of ARP (landing track 120°/300° MAG) with Chelyabinsk Balandino.

2900′
MSA
LBN VOR

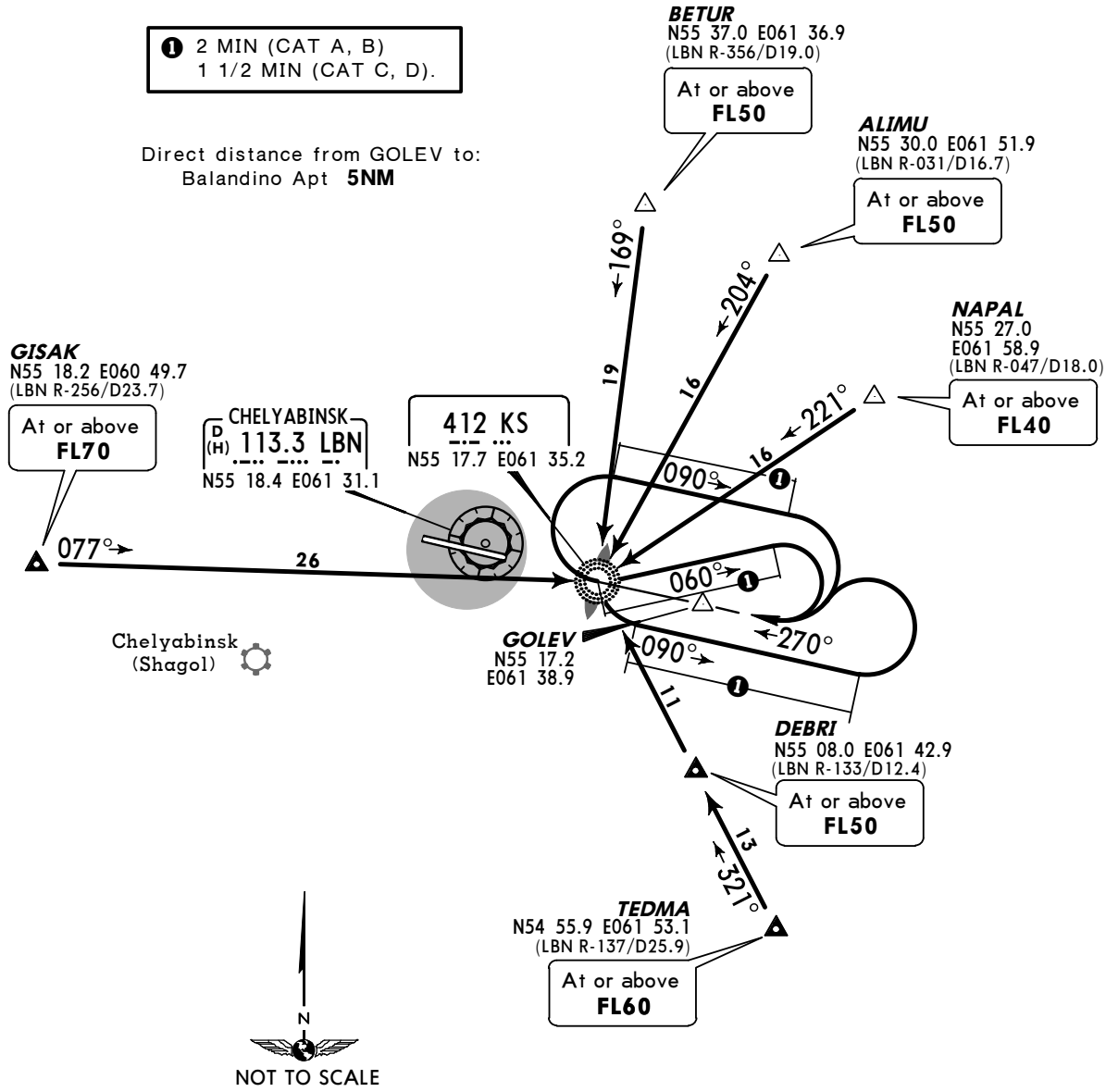
RWY 27 ARRIVALS

IN CASE OF LOST COMM AND/OR WHEN RADAR CONTROL NOT PROVIDED

Proceed to KS, enter holding:
from BETUR turn LEFT,
from ALIMU, DEBRI, NAPAL,
TEDMA turn RIGHT,
from GISAK on 060° track.
When RADAR control is not provided, descend by ATC.

❶ 2 MIN (CAT A, B)
1 1/2 MIN (CAT C, D).

Direct distance from GOLEV to:
Balandino Apt **5NM**



LOST COMMS ▼ LOST COMMS ▼ LOST COMMS ▼
Descending from FL for approach-to-land shall be commenced after crossing KS.
▲ LOST COMMS ▲ LOST COMMS ▲ LOST COMMS

ALT/HEIGHT CONVERSION
QNH (QFE)
3730′ ***(2993′ - 900m)***

CHANGES: INS coordinates.

© JEPPESEN, 2011, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

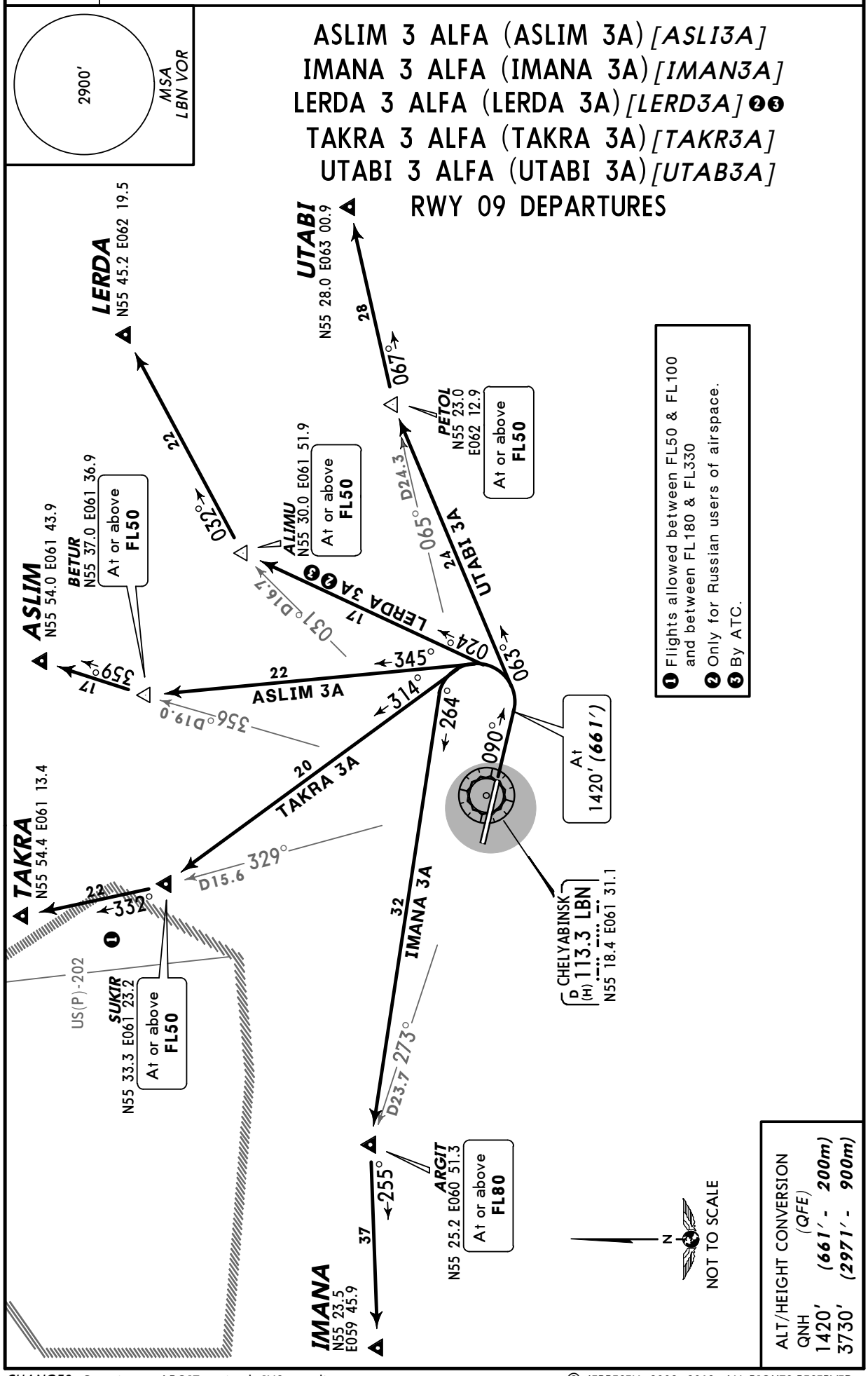
JEPPESEN

10 AUG 12 (10-3) Eff 23 Aug

CHELYABINSK, RUSSIA

SID

Apt Elev 769′	QNH on request **(QFE)** Trans level: By ATC Trans alt: 3730′ *(2971′)*



CHANGES: Crossing at ARGIT revised; INS coordinates.

© JEPPESEN, 2002, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK BALANDINO

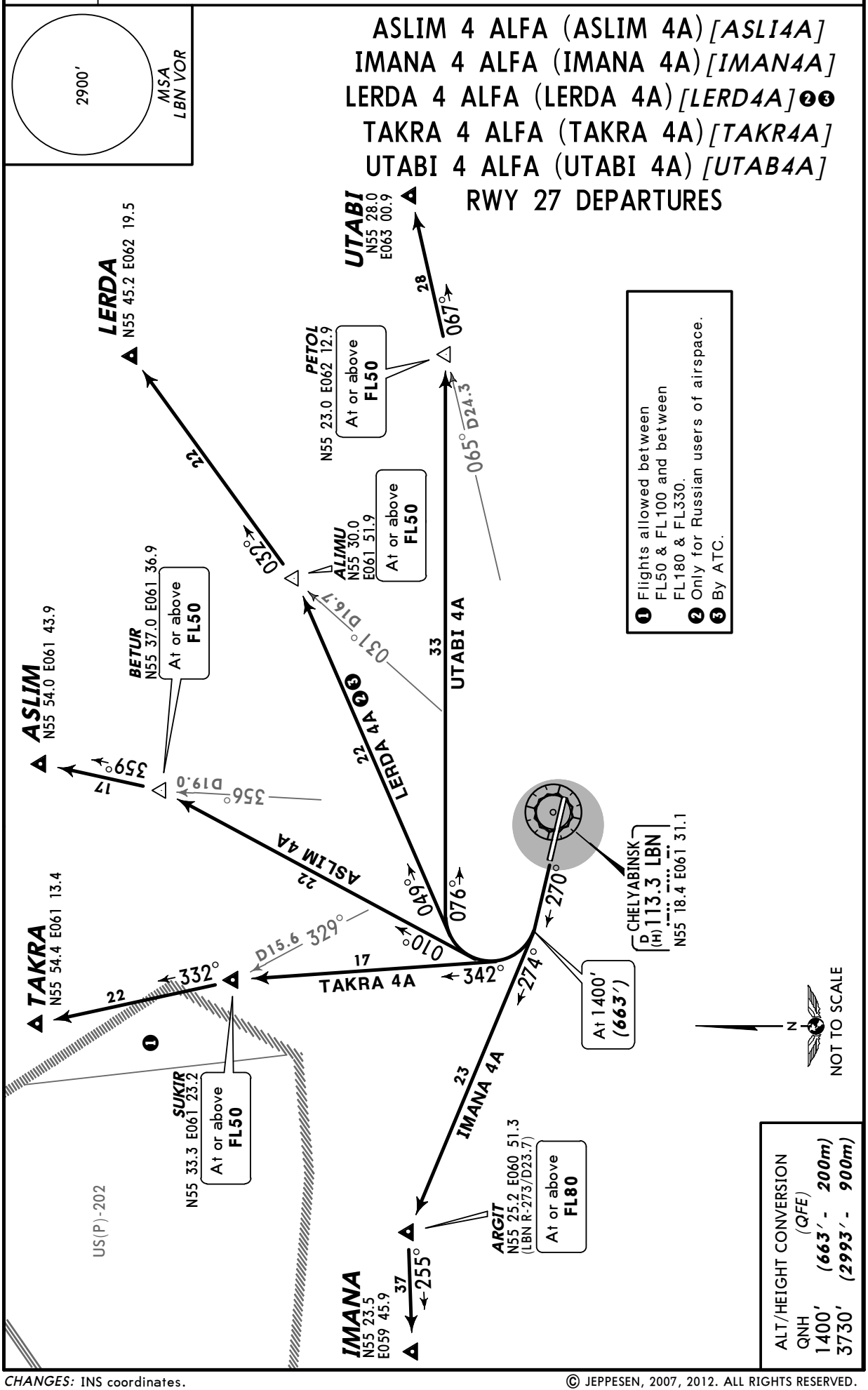
JEPPESEN

10 AUG 12 (10-3A) Eff 23 Aug

CHELYABINSK, RUSSIA

SID

Apt Elev 769′	QNH on request **(QFE)** Trans level: By ATC Trans alt: 3730′ *(2993′)*



CHANGES: INS coordinates.

© JEPPESEN, 2007, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK BALANDINO

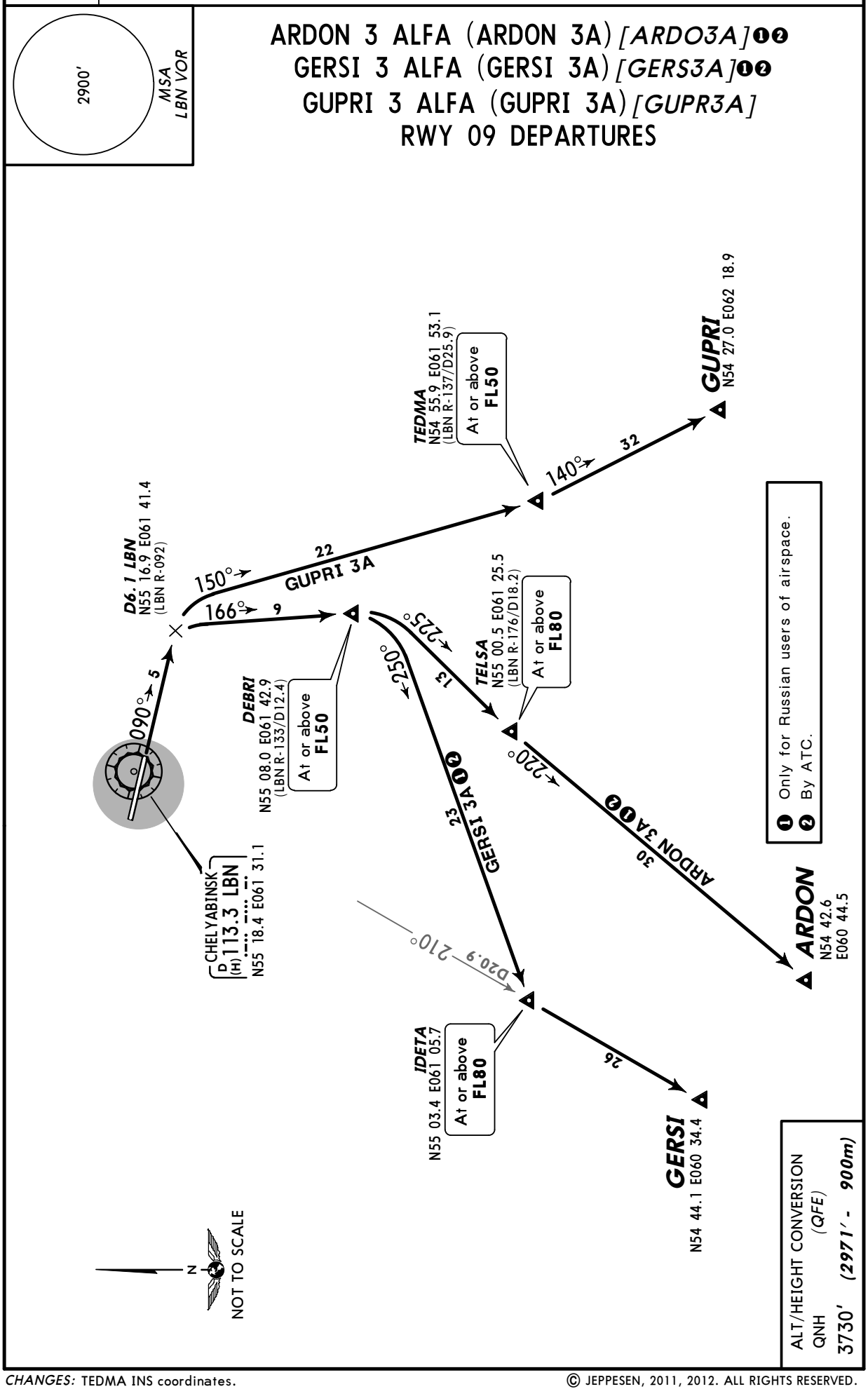
JEPPESEN

10 AUG 12 (10-3B) Eff 23 Aug

CHELYABINSK, RUSSIA

SID

Apt Elev 769′	QNH on request **(QFE)** Trans level: By ATC Trans alt: 3730′ *(2971′)*



CHANGES: TEDMA INS coordinates.

© JEPPESEN, 2011, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK
BALANDINO

JEPPESEN

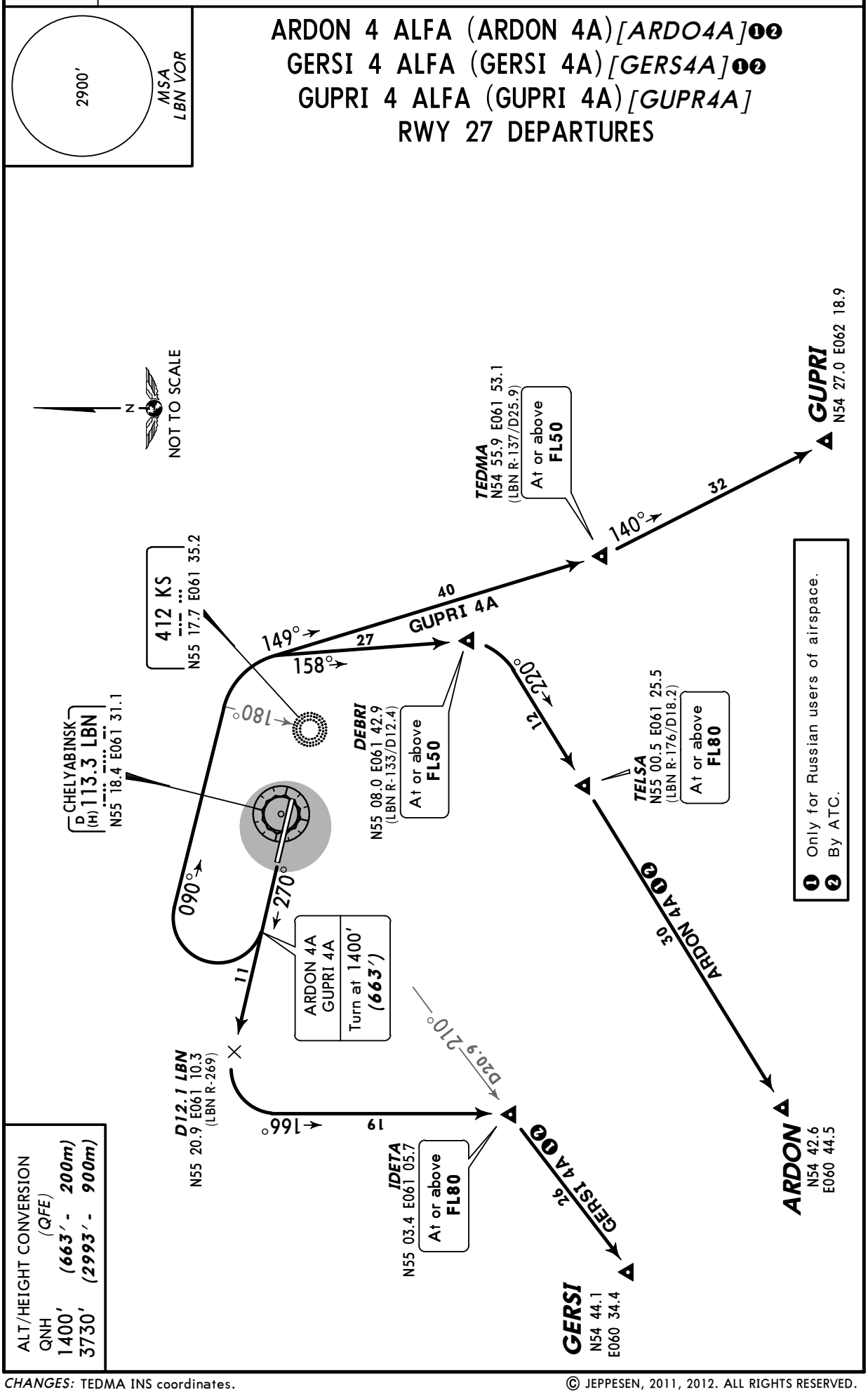
10 AUG 12 (10-3C) Eff 23 Aug

CHELYABINSK, RUSSIA

SID

Apt Elev	
769′	QNH on request **(QFE)** Trans level: By ATC Trans alt: 3730′ *(2993′)*

ARDON 4 ALFA (ARDON 4A) *[ARDO4A]* ❶❷
GERSI 4 ALFA (GERSI 4A) *[GERS4A]* ❶❷
GUPRI 4 ALFA (GUPRI 4A) *[GUPR4A]*
RWY 27 DEPARTURES



ALT/HEIGHT CONVERSION
(QFE)

QNH	1400′	(663′ - 200m)
	3730′	(2993′ - 900m)

CHANGES: TEDMA INS coordinates.

© JEPPESEN, 2011, 2012. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

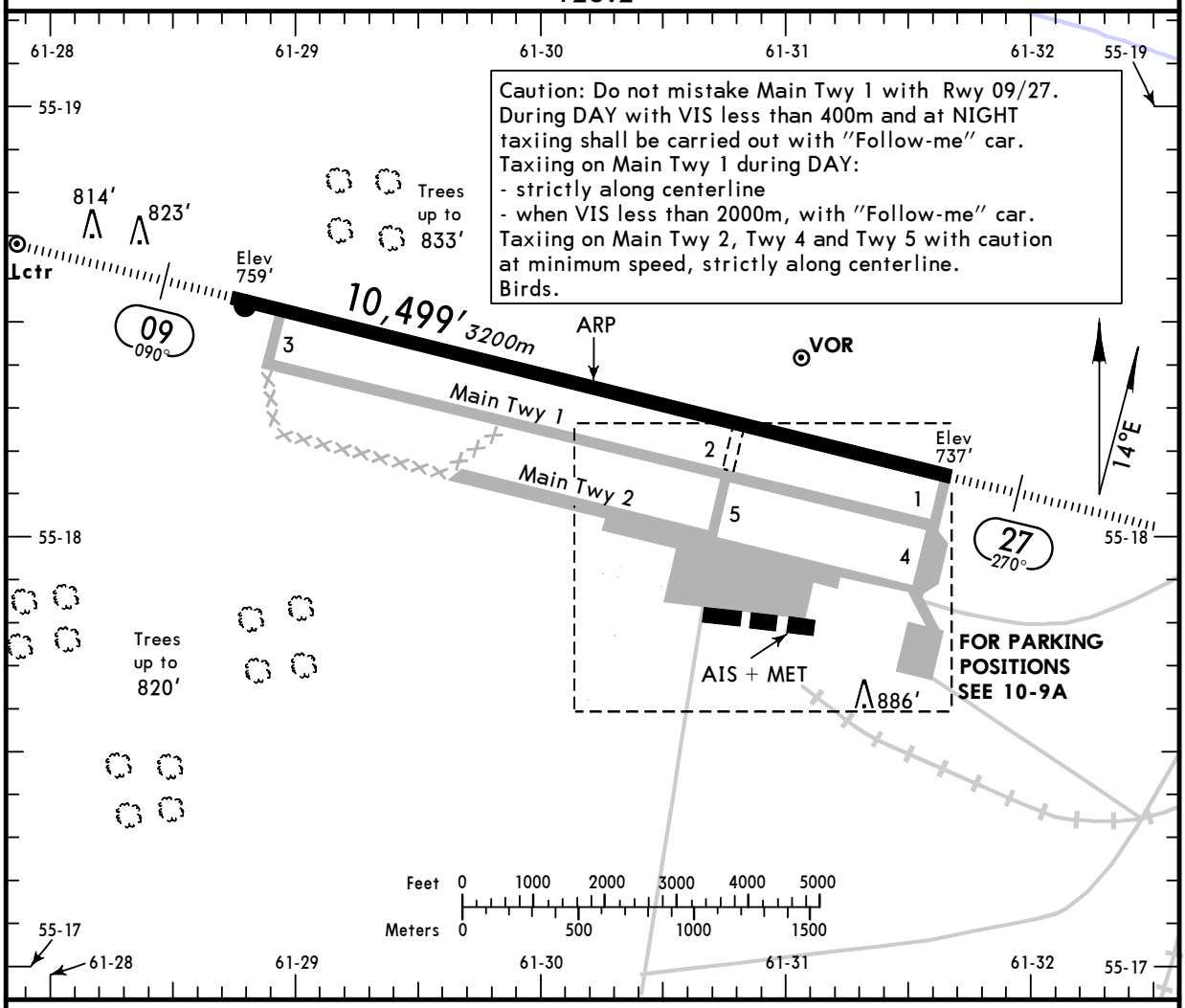
USCC/CEK

Apt Elev **769'**
N55 18.4 E061 30.2

JEPPESEN
4 NOV 11 (10-9) Eff 17 Nov

CHELYABINSK, RUSSIA
BALANDINO

CHELYABINSK Start (GND/TWR)
125.2



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
09	HIRL *(60m)* CL *(15m)* HIALS PAPI-L(angle 2.83°)		9709' *2959m*	❶	197' *60m*
27			9345' *2848m*		

❶ 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	*200m*	*250m*	*400m*
B			
C			
D	*250m*	*300m*	

CHANGES: None.

© JEPPESEN, 1999, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

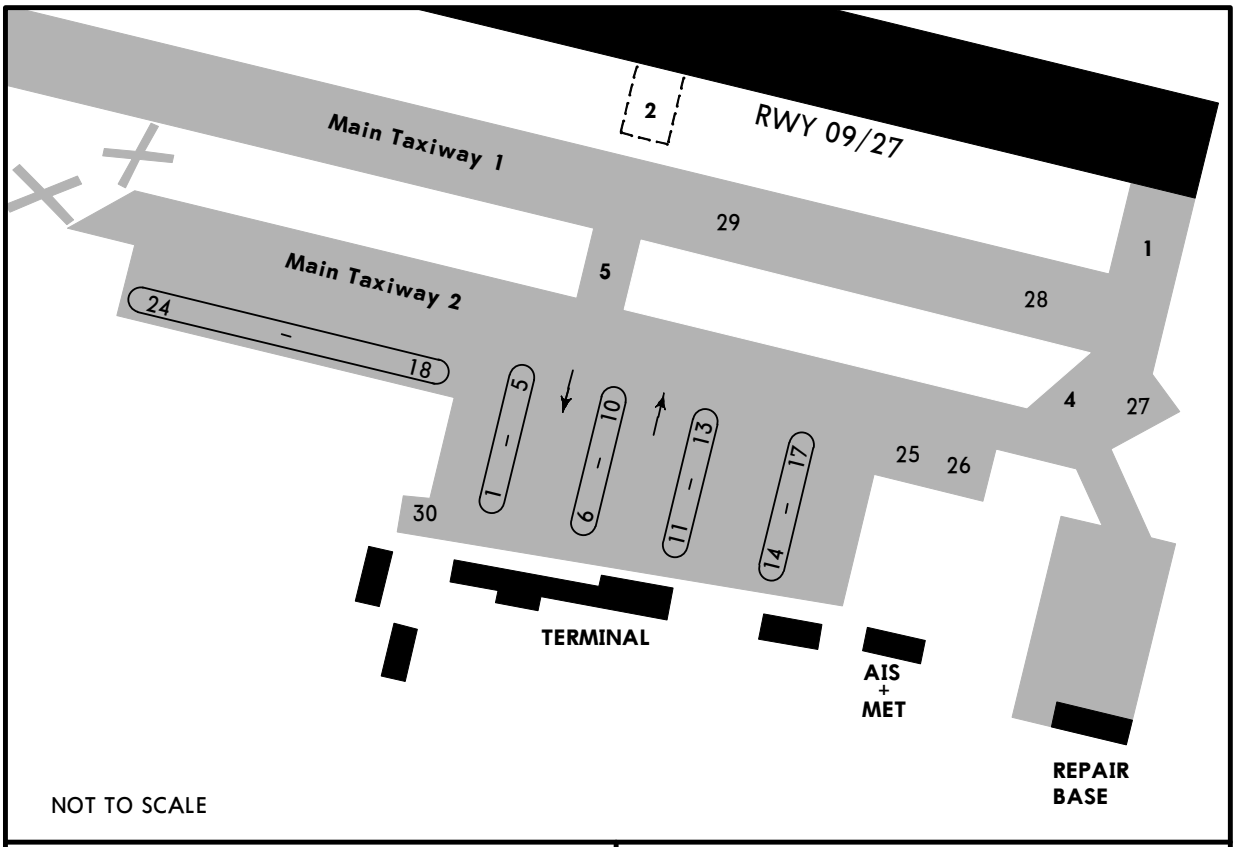
USCC/CEK

JEPPESEN

CHELYABINSK, RUSSIA

4 NOV 11 (10-9A) Eff 17 Nov

BALANDINO



INS COORDINATES

STAND No.	COORDINATES
1, 2	N55 17.9 E061 30.7
3 thru 5	N55 18.0 E061 30.7
6, 7	N55 17.9 E061 30.8
8 thru 10	N55 18.0 E061 30.8
11, 12	N55 17.9 E061 30.9
13	N55 18.0 E061 30.9
14 thru 16	N55 17.9 E061 31.0
17	N55 18.0 E061 31.0
25	N55 18.0 E061 31.1
26	N55 17.9 E061 31.1
27	N55 18.0 E061 31.6
28	N55 18.1 E061 31.5
29	N55 18.1 E061 30.9

Parking stands 16 thru 23, 27 and Main Twy 2 between Twy 4 and Twy 5 available for helicopters.

CHANGES: INS coordinates.

© JEPPESEN, 1999, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK

JEPPESEN

25 FEB 11 (10-9S) Eff 10 Mar

Standard

CHELYABINSK, RUSSIA
BALANDINO

STRAIGHT-IN RWY		A	B	C	D
09	ILS	**959**′(200′)	**959**′(200′)	**959**′(200′)	**959**′(200′)
	FULL	**R550m**	**R550m**	**R550m**	**R550m**
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	2 NDB ❶❷	**1110**′(351′)	**1110**′(351′)	**1110**′(351′)	**1110**′(351′)
		R900m	**R900m**	**R900m**	**R900m**
	ALS out	R1500m	R1500m	R1600m	R1600m
	2 NDB ❶❸	**1110**′(351′)	**1110**′(351′)	**1110**′(351′)	**1110**′(351′)
		R1000m	**R1000m**	**R1200m**	**R1200m**
	ALS out	R1600m	R1600m	R1600m	R1600m
	LB NDB ❶	**1210**′(451′)	**1210**′(451′)	**1210**′(451′)	**1210**′(451′)
		R1400m	**R1400m**	**R1400m**	**R1400m**
	ALS out	C2100m	C2100m	C2100m	C2100m
	L Lctr	**1210**′(451′)	**1210**′(451′)	**1210**′(451′)	**1210**′(451′)
		R1600m	**R1600m**	**R1800m**	**R1800m**
	ALS out	C2300m	C2300m	C2500m	C2500m
27	ILS	**937**′(200′)	**937**′(200′)	**937**′(200′)	**937**′(200′)
	FULL	**R550m**	**R550m**	**R550m**	**R550m**
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR ❶	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1200m	**R1200m**	**R1200m**	**R1200m**
	ALS out	R1900m	R1900m	R1900m	R1900m
	2 NDB ❶❷	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1200m	**R1200m**	**R1200m**	**R1200m**
	ALS out	R1500m	R1500m	R1900m	R1900m
	2 NDB ❶❸	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1200m	**R1200m**	**R1200m**	**R1200m**
	ALS out	R1900m	R1900m	R1900m	R1900m
	KS NDB ❶❷	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1200m	**R1200m**	**R1200m**	**R1200m**
	ALS out	R1500m	R1500m	R1900m	R1900m
	KS NDB ❶❸	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1200m	**R1200m**	**R1200m**	**R1200m**
	ALS out	R1900m	R1900m	R1900m	R1900m
	K Lctr ❶❷	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1200m	**R1200m**	**R1200m**	**R1200m**
	ALS out	R1500m	R1500m	R1900m	R1900m
	K Lctr ❸	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R1400m	**R1400m**	**R1600m**	**R1600m**
	ALS out	C2100m	C2100m	C2300m	C2300m

❶ Continuous Descent Final Approach.
❷ with FMS. ❸ w/o FMS.

CHANGES: Minimums.

© JEPPESEN, 2010, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

TAKE-OFF RWY 09, 27

	LVP must be in Force					
	Approved Operators HIRL, CL & mult. RVR req	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	125m	150m	200m	250m	400m	500m
B						
C						
D	150m	200m	250m	300m		

CHANGES: None.

© JEPPESEN, 2010. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

USCC/CEK

JEPPESEN

JAA MINIMUMS

25 FEB 11 (10-9X) Eff 10 Mar

CHELYABINSK, RUSSIA
BALANDINO

STRAIGHT-IN RWY		A	B	C	D
09	ILS	**959**′(200′)	**959**′(200′)	**959**′(200′)	**959**′(200′)
		R550m	**R550m**	**R550m**	**R550m**
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	2 NDB	**1110**′(351′)	**1110**′(351′)	**1110**′(351′)	**1110**′(351′)
		R900m	**R1000m**	**R1000m**	**R1400m**
	ALS out	R1500m	R1500m	R1800m	R2000m
	NDB	**1210**′(451′)	**1210**′(451′)	**1210**′(451′)	**1210**′(451′)
		R1000m	**R1200m**	**R1200m**	**R1600m**
	ALS out	R1500m	R1500m	R2000m	R2000m
27	ILS	**937**′(200′)	**937**′(200′)	**937**′(200′)	**937**′(200′)
		R550m	**R550m**	**R550m**	**R550m**
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED	NOT AUTHORIZED
	VOR	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R900m	**R1000m**	**R1000m**	**R1400m**
	ALS out	R1500m	R1500m	R1800m	R2000m
	NDB	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)	**1140**′(403′)
		R900m	**R1000m**	**R1000m**	**R1400m**
	ALS out	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, C	*200m*	*250m*	*400m*	*500m*
D	*250m*	*300m*		

© JEPPESEN, 2002, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN
26 AUG 11 (11-1)

CHELYABINSK, RUSSIA ILS Rwy 09

BRIEFING STRIP ™

CHELYABINSK Approach (APP/SRE)	CHELYABINSK Start (TWR)	Ground
124.7	125.2	125.2

LOC ILB	Final Apch Crs	GS LOM	ILS DA(H)	Apt Elev 769'
109.9	090°	1415'(656')	959'(200')	RWY 759'

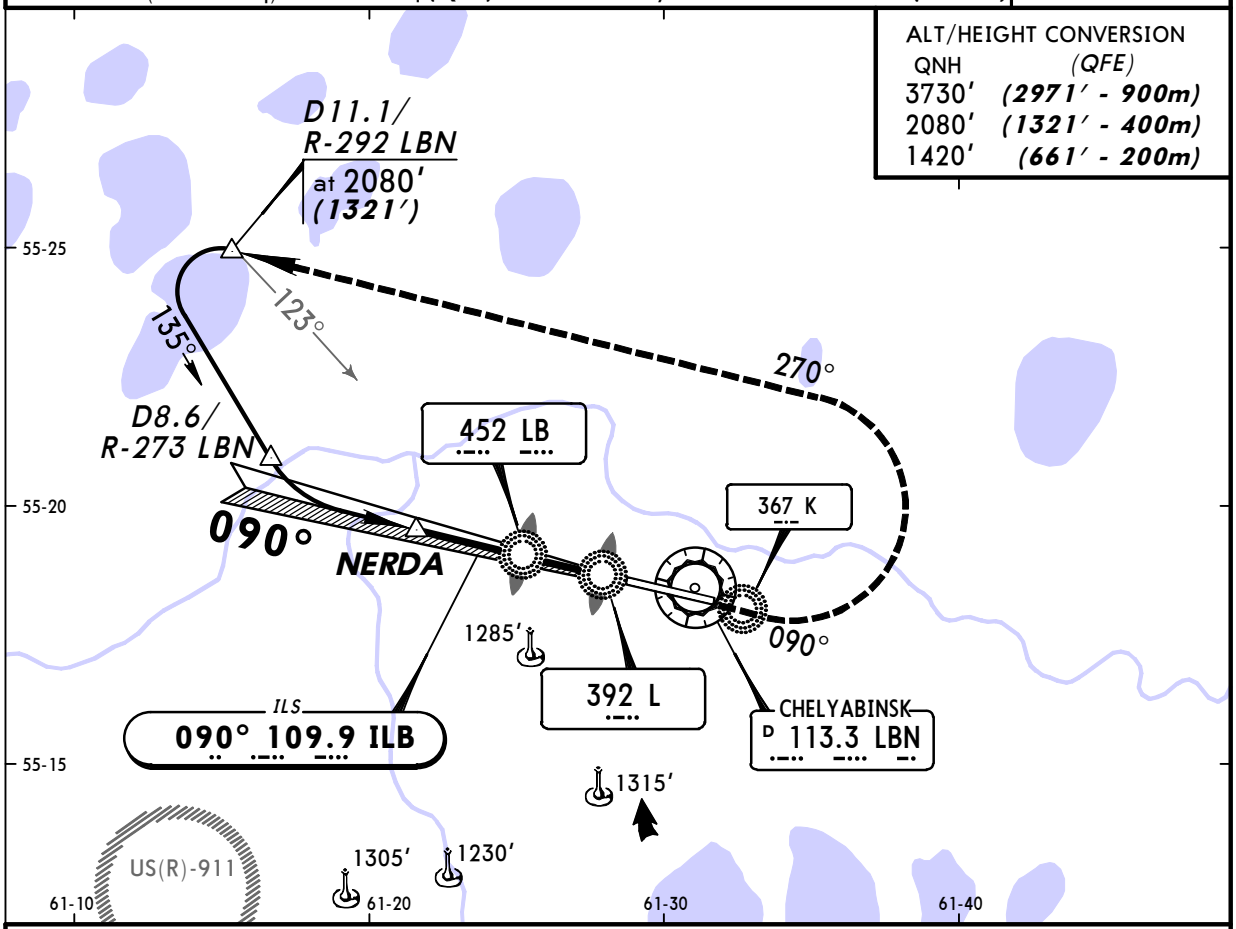
MISSED APCH: Climb on 090° to 1420'(661'), then turn LEFT onto 270° climbing to 2080'(1321'), then according to chart.

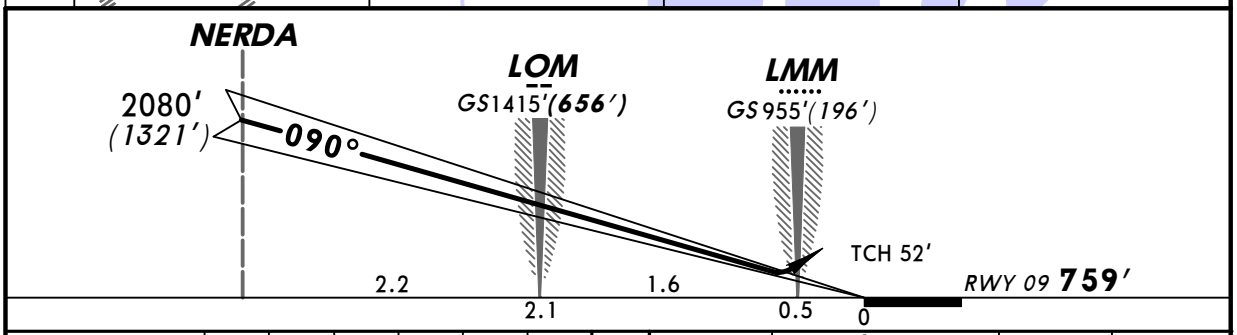
Alt Set: MM(hPa on req) QNH on req (**QFE**) Trans level: By ATC Trans alt: 3730'(2971')

2900'
MSA LBN VOR

ALT/HEIGHT CONVERSION

QNH	(QFE)
3730'	(2971' - 900m)
2080'	(1321' - 400m)
1420'	(661' - 200m)





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

HIALS
PAPI

1420' (661') on 090°

270° LT

2080' (1321')

STRAIGHT-IN LANDING RWY 09

ILS		LOC (GS out)
DA(H) 959'(200')		
FULL	ALS out	
800m	1200m	NOT AUTHORIZED

PANS OPS

A	800m	1200m	NOT AUTHORIZED
B			
C			
D			

CHANGES: MSA.

© JEPPESEN, 2000, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN
26 AUG 11 (11-2)

CHELYABINSK, RUSSIA ILS Rwy 27

BRIEFING STRIP ™

CHELYABINSK Approach (APP/SRE)	CHELYABINSK Start (TWR)	Ground
124.7	125.2	125.2

LOC IKS	Final Apch Crs	GS LOM	ILS DA(H)	Apt Elev 769'
108.7	**270°**	1393' *(656')*	937' *(200')*	RWY **737'**

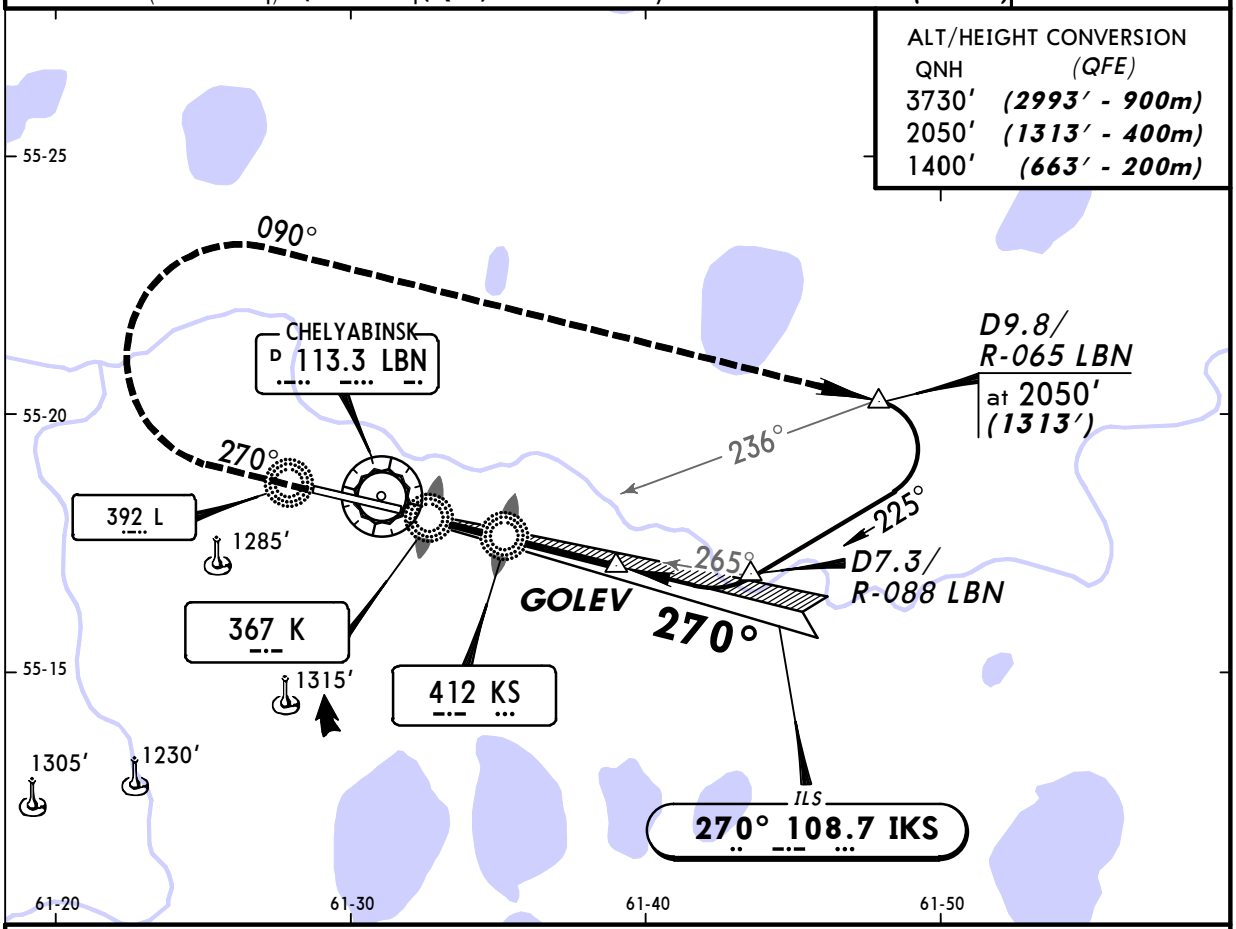
MISSED APCH: Climb on 270° to 1400' *(663')*, then turn RIGHT onto 090° climbing to 2050' *(1313')*, then according to chart.

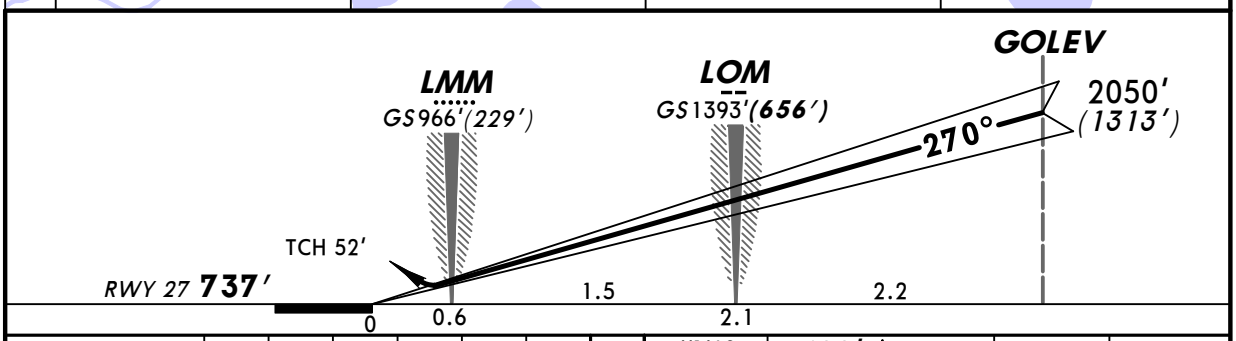
Alt Set: MM(hPa on req) QNH on req **(QFE)** Trans level: By ATC Trans alt: 3730' *(2993')*

2900'
MSA LBN VOR

ALT/HEIGHT CONVERSION

QNH	*(QFE)*
3730'	*(2993' - 900m)*
2050'	*(1313' - 400m)*
1400'	*(663' - 200m)*





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

HIALS
PAPI

1400' *(663')* on 270°

090° RT

2050' *(1313')*

STRAIGHT-IN LANDING RWY 27

ILS		LOC (GS out)
DA(H) 937' *(200')*		
FULL	ALS out	
800m	*1200m*	NOT AUTHORIZED

PANS OPS

A			
B			
C			
D			

CHANGES: MSA.

© JEPPESEN, 2000, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN 4 NOV 11 (13-1) Eff 17 Nov

CHELYABINSK, RUSSIA VOR DME Rwy 27

BRIEFING STRIP ™

CHELYABINSK Approach (APP/SRE)	CHELYABINSK Start (TWR)	Ground
124.7	125.2	125.2

VOR	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 769′
LBN 113.3	274°	D4.6 2050′(1313′)	1140′(403′)	RWY 737′

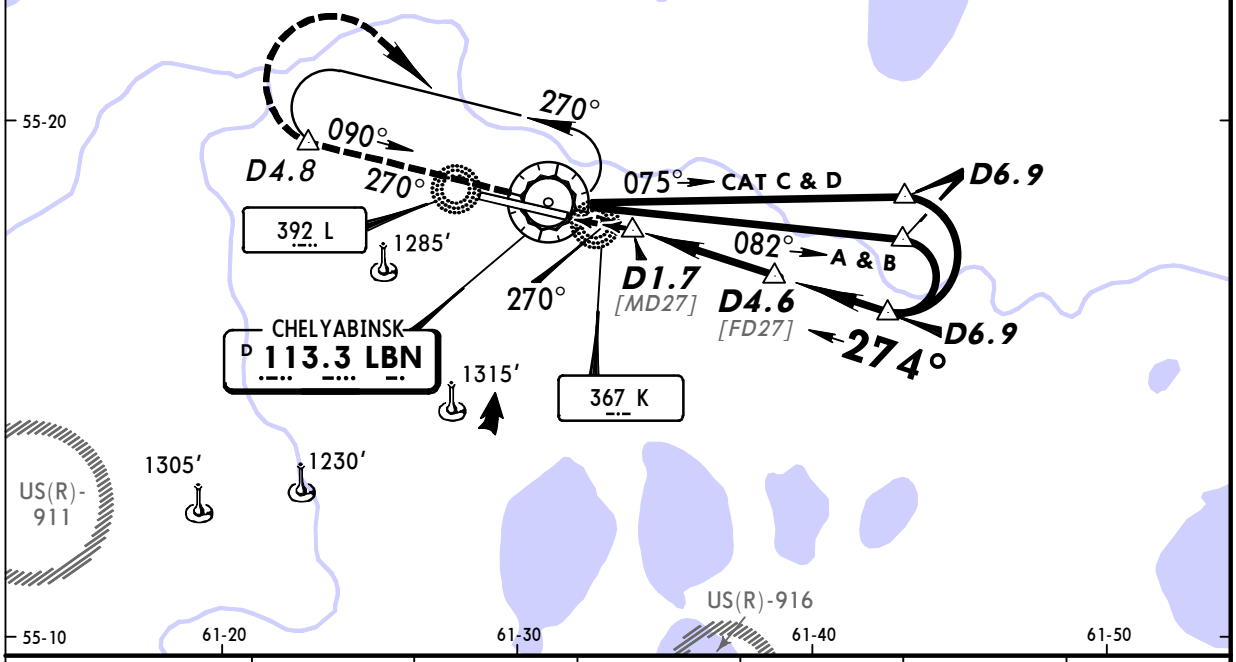
MISSED APCH: Climb on track 270° to 1400′ (663′) or above at D4.8, then turn RIGHT to VOR climbing to 2050′ (1313′).

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3730′(2993′)

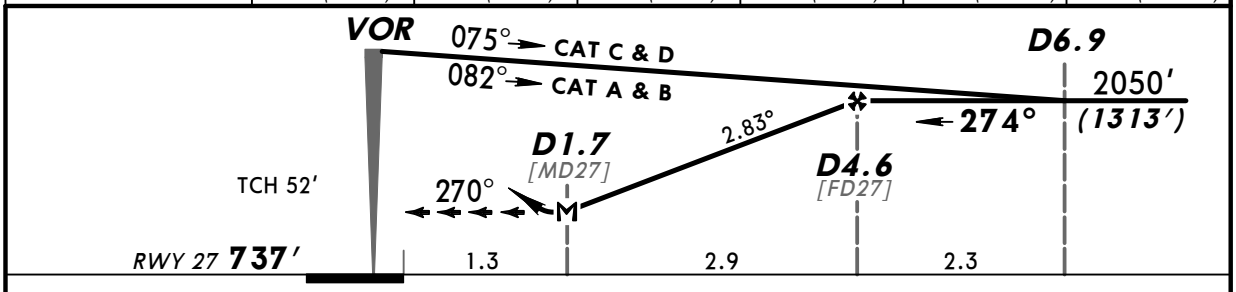
MSA LBN VOR: 2900′

ALT/HEIGHT CONVERSION

QNH	(QFE)
3730′	(2993′ - 900m)
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
Descent angle 2.83°	350	451	501	601	701	801
MAP at D1.7						

HIALS PAPI

1400′ (663′) or above on 270° D4.8

STRAIGHT-IN LANDING RWY 27

MDA(H) 1140′(403′)

		ALS out
A	1600m	2400m
B		
C		
D		

PANS OPS

CHANGES: Holding FL withdrawn.

© JEPPESEN, 2002, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN
26 AUG 11 (16-1)

CHELYABINSK, RUSSIA 2 NDB Rwy 09

BRIEFING STRIP ™

CHELYABINSK Approach (APP/SRE)	CHELYABINSK Start (TWR)	Ground
124.7	125.2	125.2

NDB LB	Final Apch Crs	Minimum Alt NERDA	MDA(H) Refer to Minimums	Apt Elev 769' RWY 759'
452	090°	2080' (1321')		

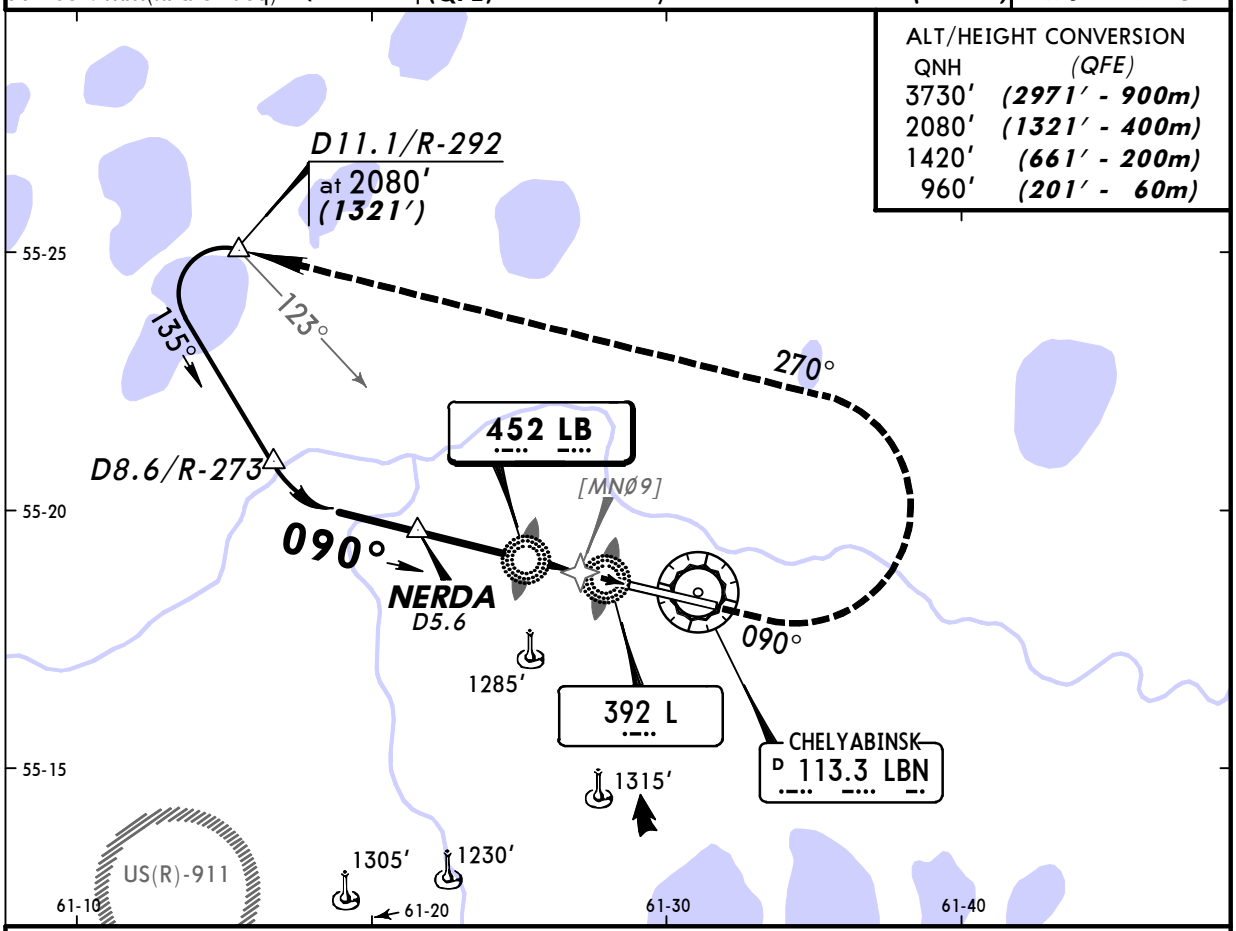
MISSED APCH: Climb on 090° to 1420' (661'), then turn LEFT onto 270° climbing to 2080' (1321'), then according to chart.

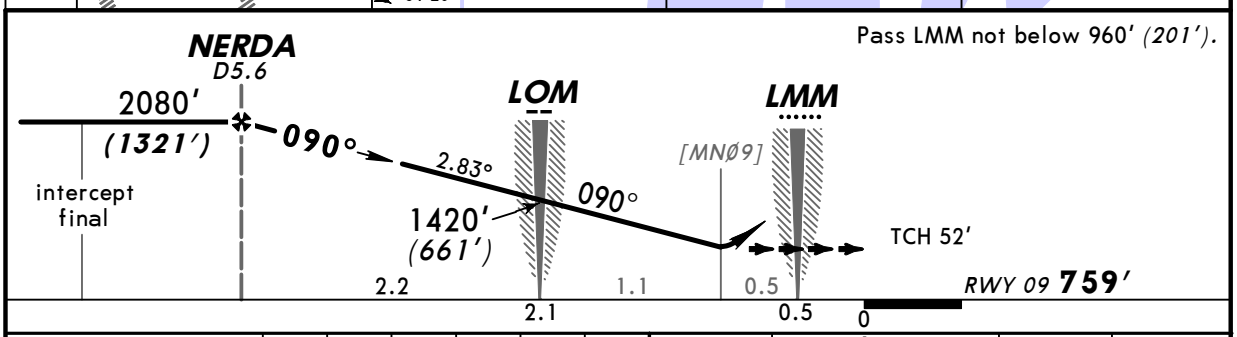
Alt Set: MM(hPa on req) QNH on req (QFE) Trans level: By ATC Trans alt: 3730' (2971')

2900'
MSA LBN VOR

ALT/HEIGHT CONVERSION

QNH	(QFE)
3730'	(2971' - 900m)
2080'	(1321' - 400m)
1420'	(661' - 200m)
960'	(201' - 60m)





Gnd speed-Kts		70	90	100	120	140	160
Descent angle	2.83°	350	451	501	601	701	801

HIALS
PAPI

1420' (661') on 090°

270° LT

2080' (1321')

STRAIGHT-IN LANDING RWY 09

2 NDB		LB NDB or L NDB	
MDA(H) 1110' (351')		MDA(H) 1210' (451')	
	ALS out		ALS out

PANS OPS

A	1200m	1900m	1700m	2500m
B				
C				
D	1600m	2000m	2100m	

CHANGES: MSA.

© JEPPESEN, 2006, 2011. ALL RIGHTS RESERVED.

Licensed to (unknown). Printed on 11 Jan 2013.
Notice: After 25 Jan 2013 0901Z, this chart may no longer be valid. Disc 01-2013

JEPPESEN
JeppView 3.7.4.0

USCC/CEK BALANDINO

JEPPESEN
26 AUG 11 (16-2)

CHELYABINSK, RUSSIA 2 NDB Rwy 27

BRIEFING STRIP ™

CHELYABINSK Approach (APP/SRE)	CHELYABINSK Start (TWR)	Ground
124.7	125.2	125.2

NDB KS	Final Apch Crs	Minimum Alt GOLEV	MDA(H)	Apt Elev 769'
412	270°	2050'(1313')	1140'(403')	RWY 737'

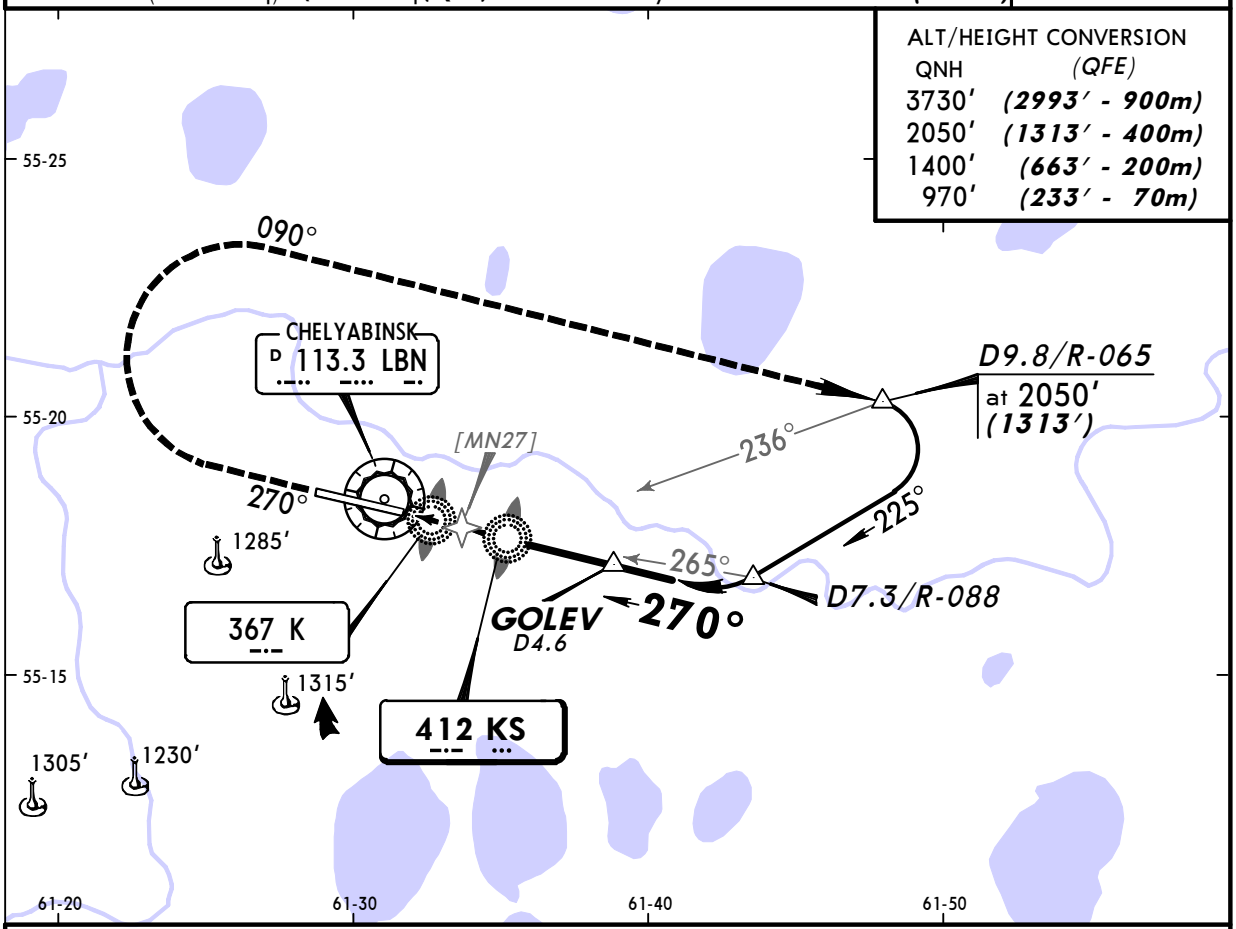
MISSED APCH: Climb on 270° to 1400'(663'), then turn RIGHT onto 090° climbing to 2050'(1313'), then according to chart.

Alt Set: MM(hPa on req) QNH on req(QFE) Trans level: By ATC Trans alt: 3730'(2993')

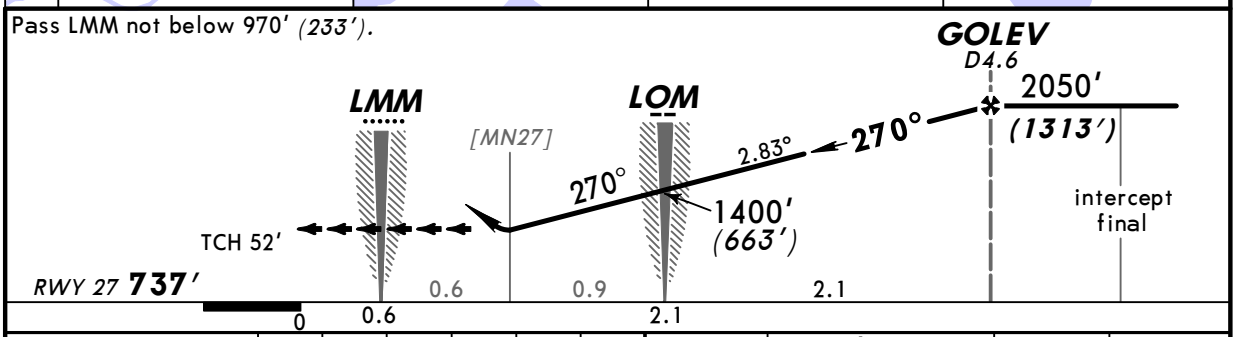
2900'
MSA LBN VOR

ALT/HEIGHT CONVERSION

QNH	(QFE)
3730'	(2993' - 900m)
2050'	(1313' - 400m)
1400'	(663' - 200m)
970'	(233' - 70m)



Pass LMM not below 970' (233').



Gnd speed-Kts		70	90	100	120	140	160
Descent angle	2.83°	350	451	501	601	701	801

HIALS
PAPI

1400' (663') on 270°

090° RT

2050' (1313')

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	1500m	2300m	1500m	2300m
B				
C				
D	1900m		1900m	

PANS OPS

CHANGES: MSA.

© JEPPESEN, 2006, 2011. ALL RIGHTS RESERVED.