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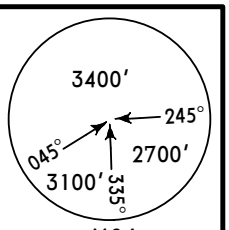
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2) Eff 18 Dec

RNAV STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)*** Turns shall be carried out with 25° bank.

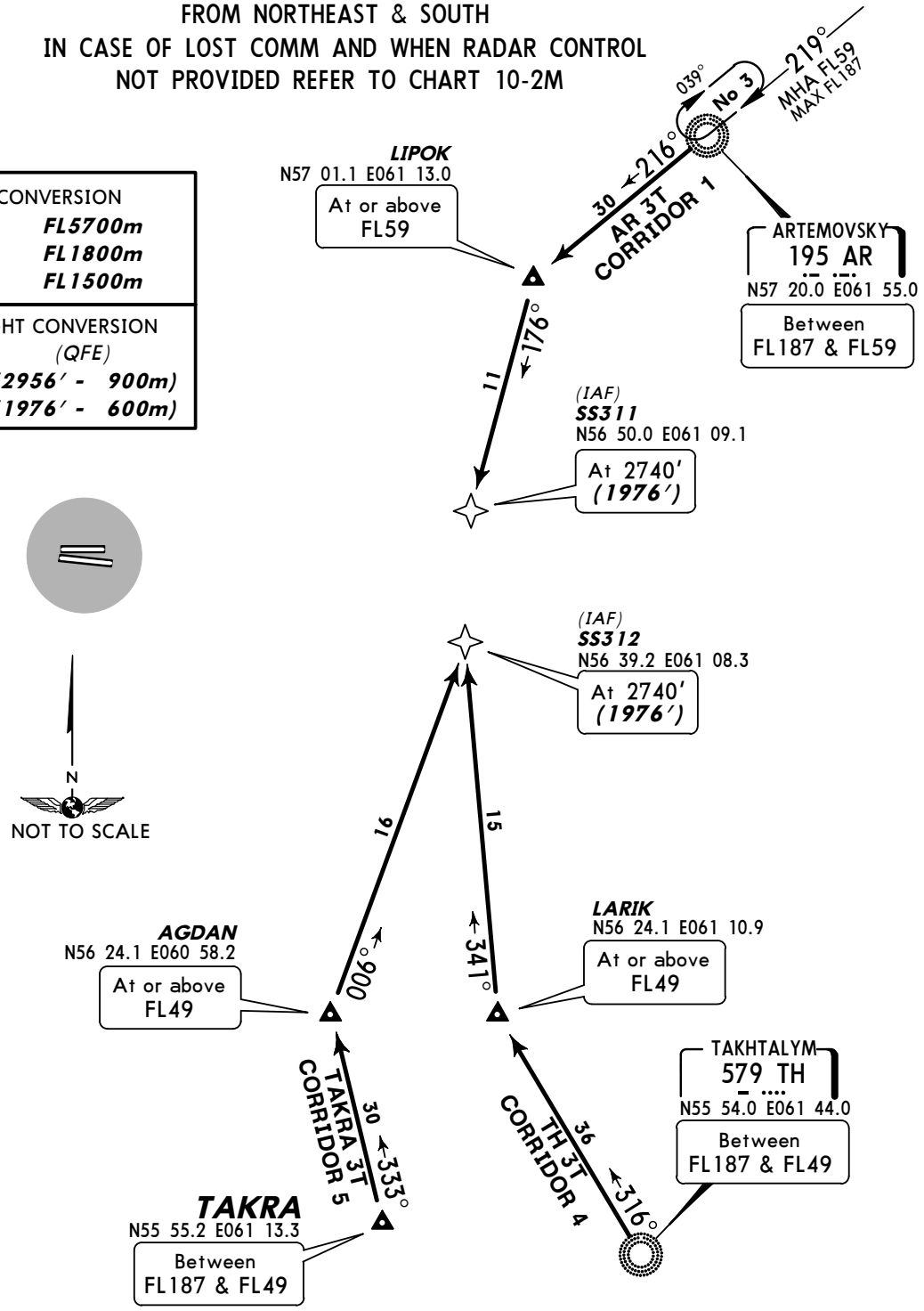


AR 3T
TAKRA 3T *[TAKR3T]*
TH 3T
RWY 26R RNAV ARRIVALS

RNAV (GNSS)
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN RADAR CONTROL NOT PROVIDED REFER TO CHART 10-2M

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2956′ - 900m)***
2740′	***(1976′ - 600m)***



STAR	ROUTING
AR 3T	AR (FL187-; FL59+) - LIPOK (FL59+) - SS311 (2740′).
TAKRA 3T	TAKRA (FL187-; FL49+) - AGDAN (FL49+) - SS312 (2740′).
TH 3T	TH (FL187-; FL49+) - LARIK (FL49+) - SS312 (2740′).

CHANGES: RNAV STARs established; STARs transferred.

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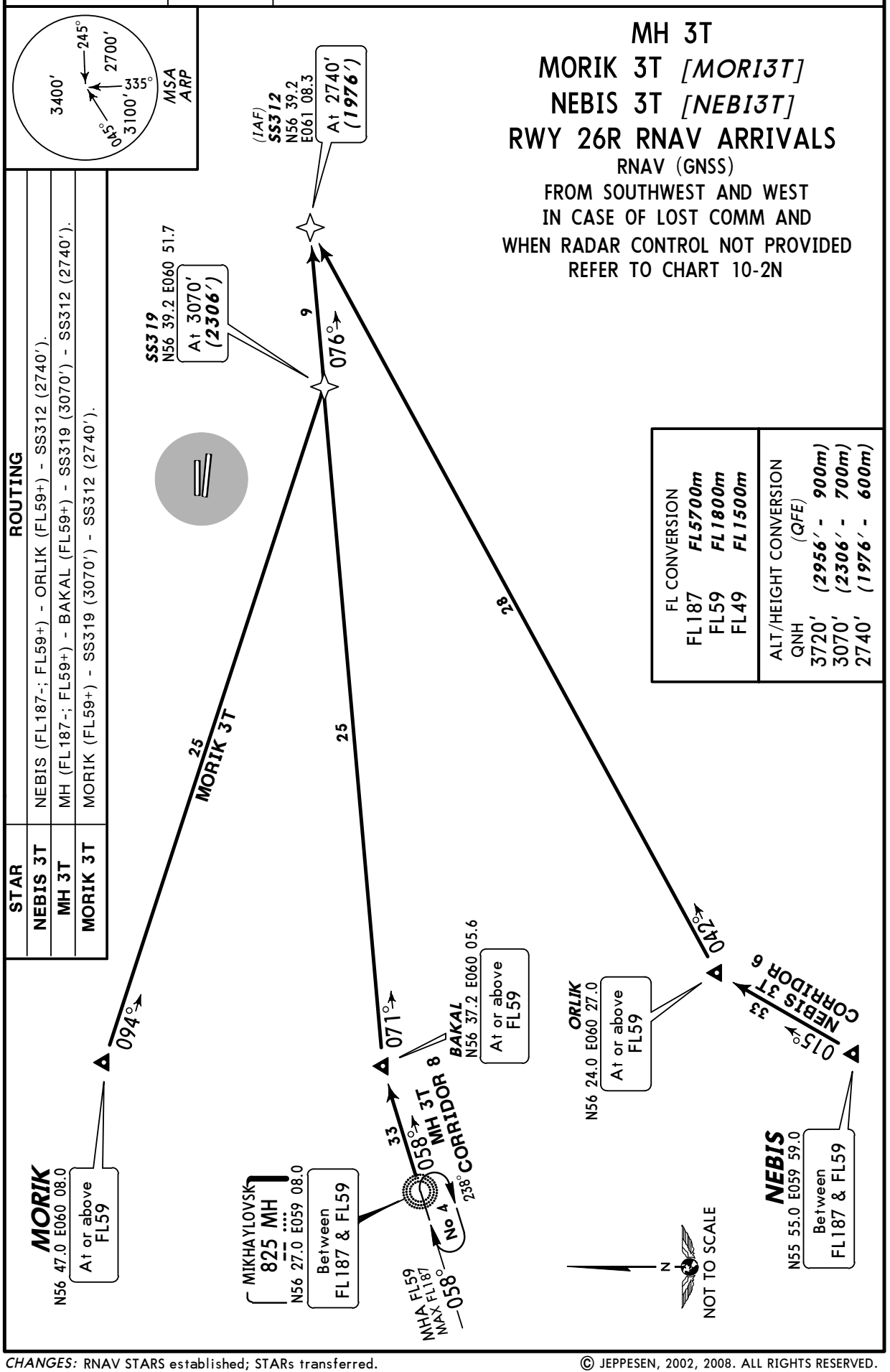
USSS/SVX KOLTSOVO — YEKATERINBURG, RUSSIA

JEPPESEN 12 DEC 08 (10-2A) Eff 18 Dec **RNAV STAR**

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)*** Turns shall be carried out with 25° bank.



STAR	ROUTING
NEBIS 3T	NEBIS (FL187-; FL59+) - ORLIK (FL59+) - SS312 (2740′).
MH 3T	MH (FL187-; FL59+) - BAKAL (FL59+) - SS319 (3070′) - SS312 (2740′).
MORIK 3T	MORIK (FL59+) - SS319 (3070′) - SS312 (2740′).

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION (QFE) QNH	
3720′	***(2956′ - 900m)***
3070′	***(2306′ - 700m)***
2740′	***(1976′ - 600m)***

CHANGES: RNAV STARs established; STARs transferred.

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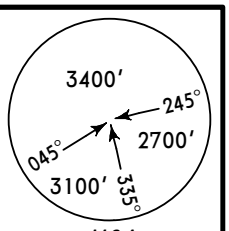
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2B) Eff 18 Dec

RNAV STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2959′)*** Turns shall be carried out with 25° bank.

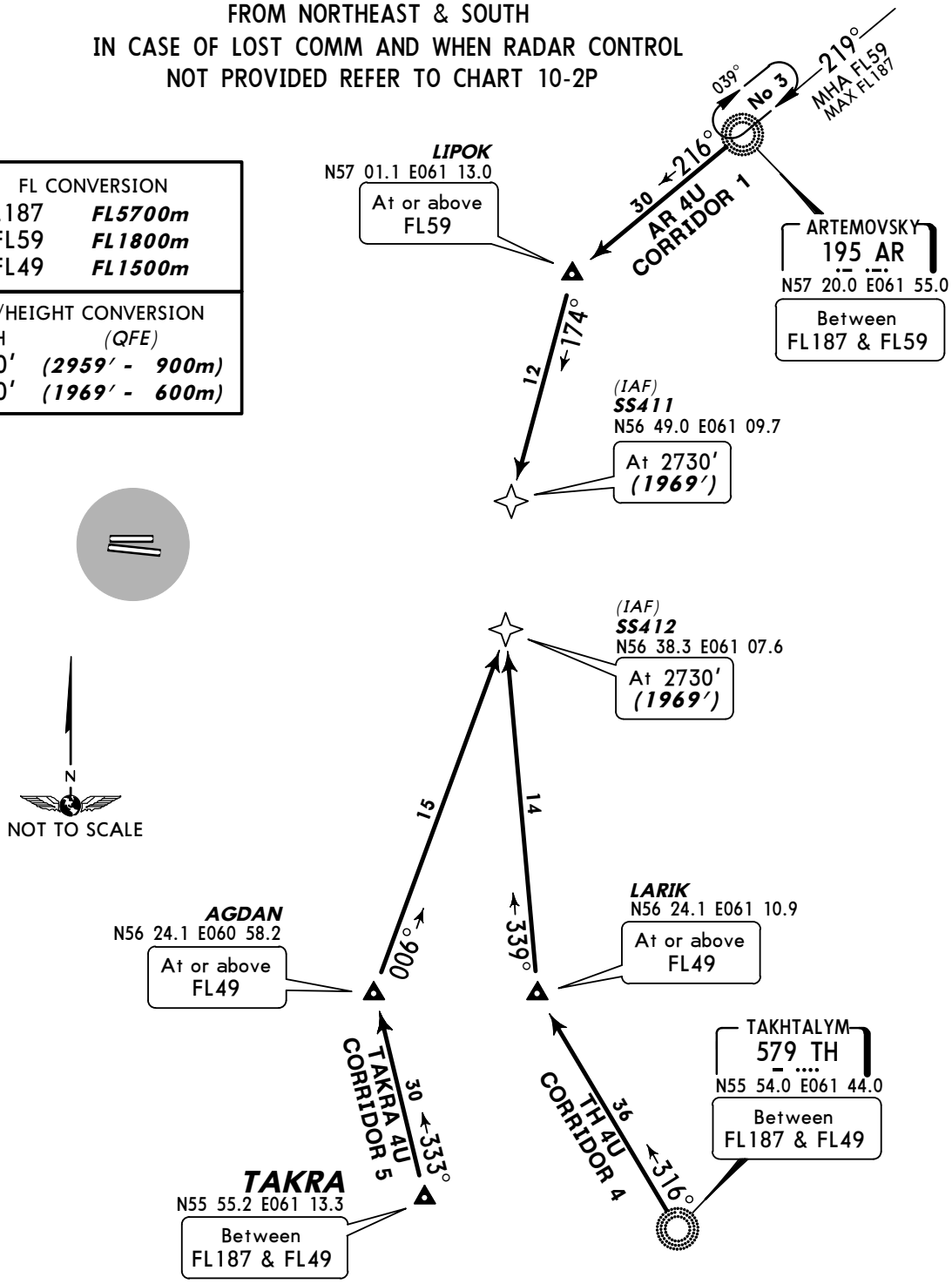


AR 4U
TAKRA 4U *[TAKR4U]*
TH 4U
RWY 26L RNAV ARRIVALS

RNAV (GNSS)
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN RADAR CONTROL NOT PROVIDED REFER TO CHART 10-2P

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2959′ - 900m)***
2730′	***(1969′ - 600m)***



STAR	ROUTING
AR 4U	AR (FL187-; FL59+) - LIPOK (FL59+) - SS411 (2730′).
TAKRA 4U	TAKRA (FL187-; FL49+) - AGDAN (FL49+) - SS412 (2730′).
TH 4U	TH (FL187-; FL49+) - LARIK (FL49+) - SS412 (2730′).

CHANGES: RNAV STARs established; STARs transferred.

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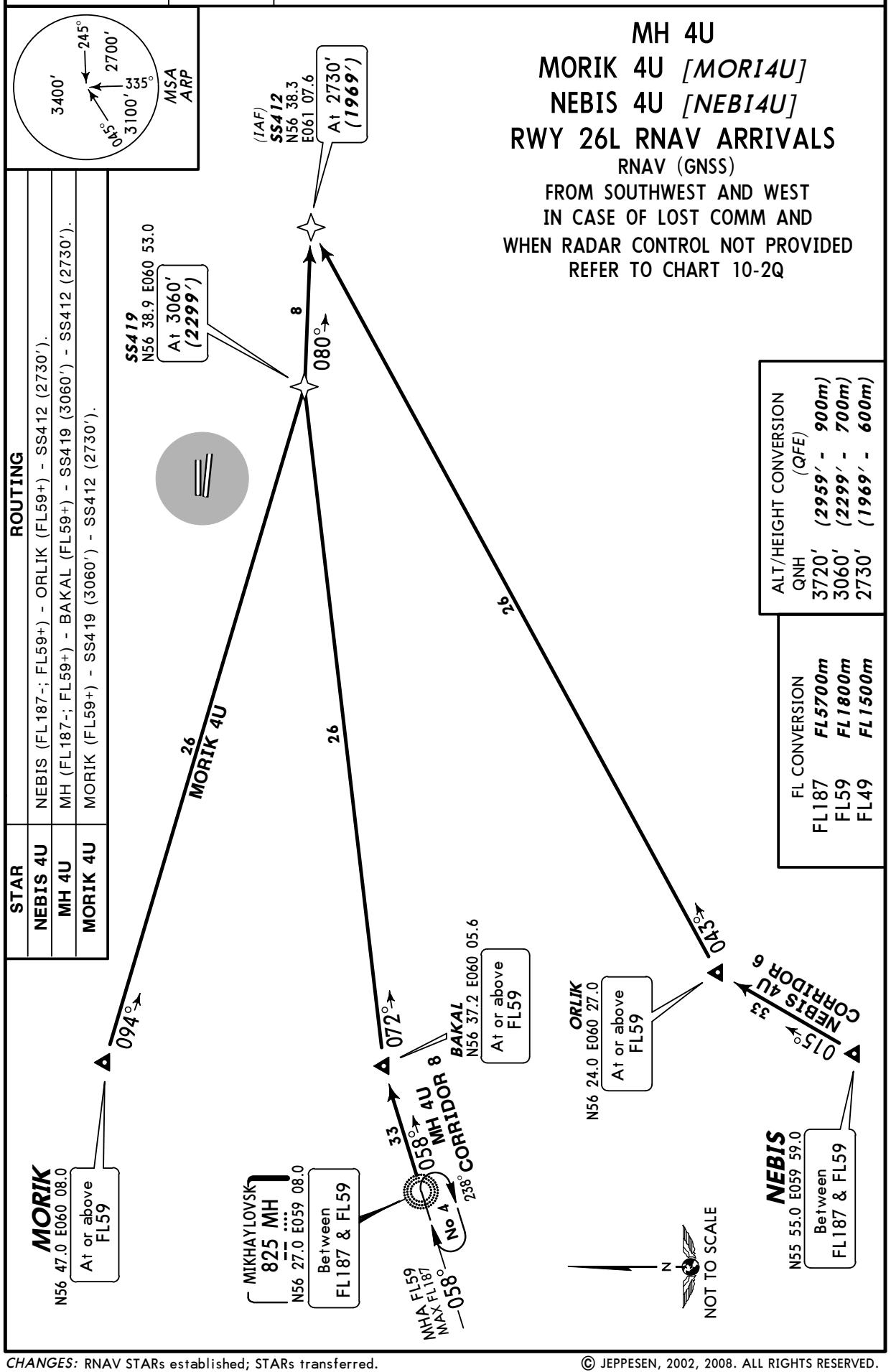
USSS/SVX KOLTSOVO — YEKATERINBURG, RUSSIA

JEPPESEN 12 DEC 08 (10-2C) Eff 18 Dec **RNAV STAR**

ATIS	Apt Elev
127.8	764′

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL49
FL59 if pressure is less than 733mm (977.3 hPa)
Trans alt: 3720′ ***(2959′)***
Turns shall be carried out with 25° bank.



STAR	ROUTING
NEBIS 4U	NEBIS (FL187-; FL59+) - ORLIK (FL59+) - SS412 (2730′).
MH 4U	MH (FL187-; FL59+) - BAKAL (FL59+) - SS419 (3060′) - SS412 (2730′).
MORIK 4U	MORIK (FL59+) - SS419 (3060′) - SS412 (2730′).

ALT/HEIGHT CONVERSION QNH	(QFE)
3720′	***(2959′ - 900m)***
3060′	***(2299′ - 700m)***
2730′	***(1969′ - 600m)***

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

CHANGES: RNAV STARs established; STARs transferred.

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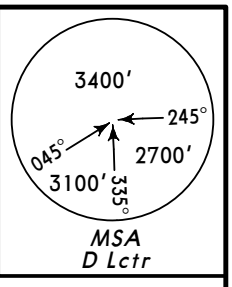
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2D) Eff 18 Dec STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2982′)***



AR 1K, TAKRA 1K *[TAKR1K]*, TH 1K
RWY 08L ARRIVALS
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN RADAR CONTROL NOT PROVIDED REFER TO CHART 10-2M

ARTEMOVSKY
195 AR
N57 20.0 E061 55.0
Between FL187 & FL59

039° No 3 219°
MHA FL59
MAX FL187

216° 30 AR 1K CORRIDOR 1

LIPOK
N57 01.1 E061 13.0
At or above FL59

208° 22

*370 KO
N56 44.7 E060 43.2

Intercept final at 2380′ *(1642′)*

N56 44.4 E060 31.3
At 2380′ *(1642′)*

076° 074° 063° 040° 046° 047° 346° 8 225°

N56 42.9 E060 29.8
At 2710′ *(1972′)*

*388 D
N56 44.4 E060 50.6

N56 40.5 E060 33.1
At 2710′ *(1972′)*

*749 O
N56 44.7 E060 45.9
At TL

N56 40.6 E060 30.5
At 2710′ *(1972′)*

N56 40.6 E060 30.7
At 2710′ *(1972′)*

N
NOT TO SCALE

23 28

LARIK
N56 24.1 E061 10.9
At or above FL49

303° 293°

AGDAN
N56 24.1 E060 58.2
At or above FL49

TAKTHALYM
579 TH
N55 54.0 E061 44.0
Between FL187 & FL49

30 TAKRA 1K CORRIDOR 5 333°

36 TH 1K CORRIDOR 4 316°

TAKRA
N55 55.2 E061 13.3
Between FL187 & FL49

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2982′ - 900m)***
2710′	***(1972′ - 600m)***
2380′	***(1642′ - 500m)***

CHANGES: Chart reindexed; crossings established.

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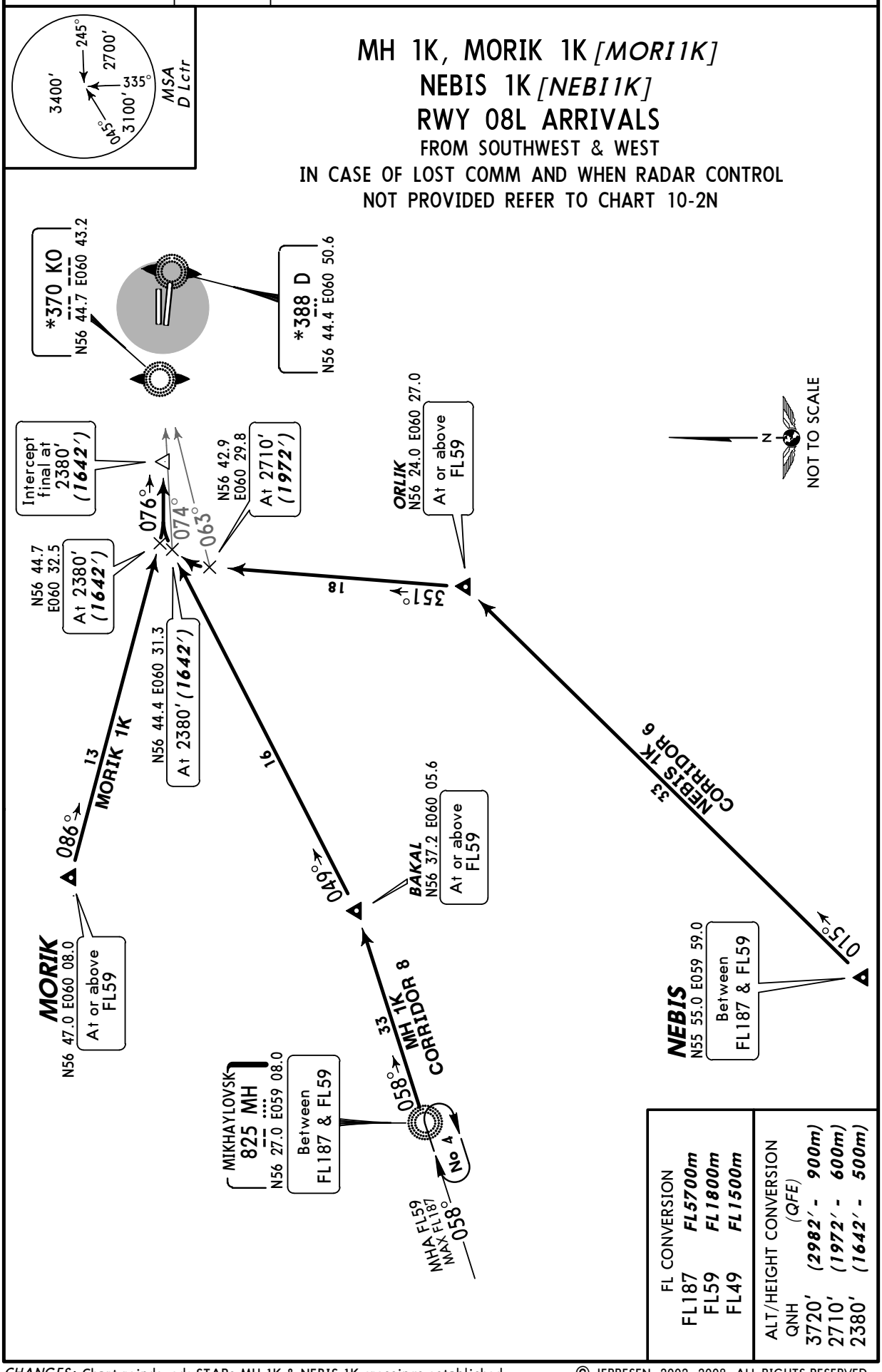
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2E) Eff 18 Dec STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2982′)***



CHANGES: Chart reindexed; STARs MH 1K & NEBIS 1K crossings established.

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USSS/SVX KOLTSOVO

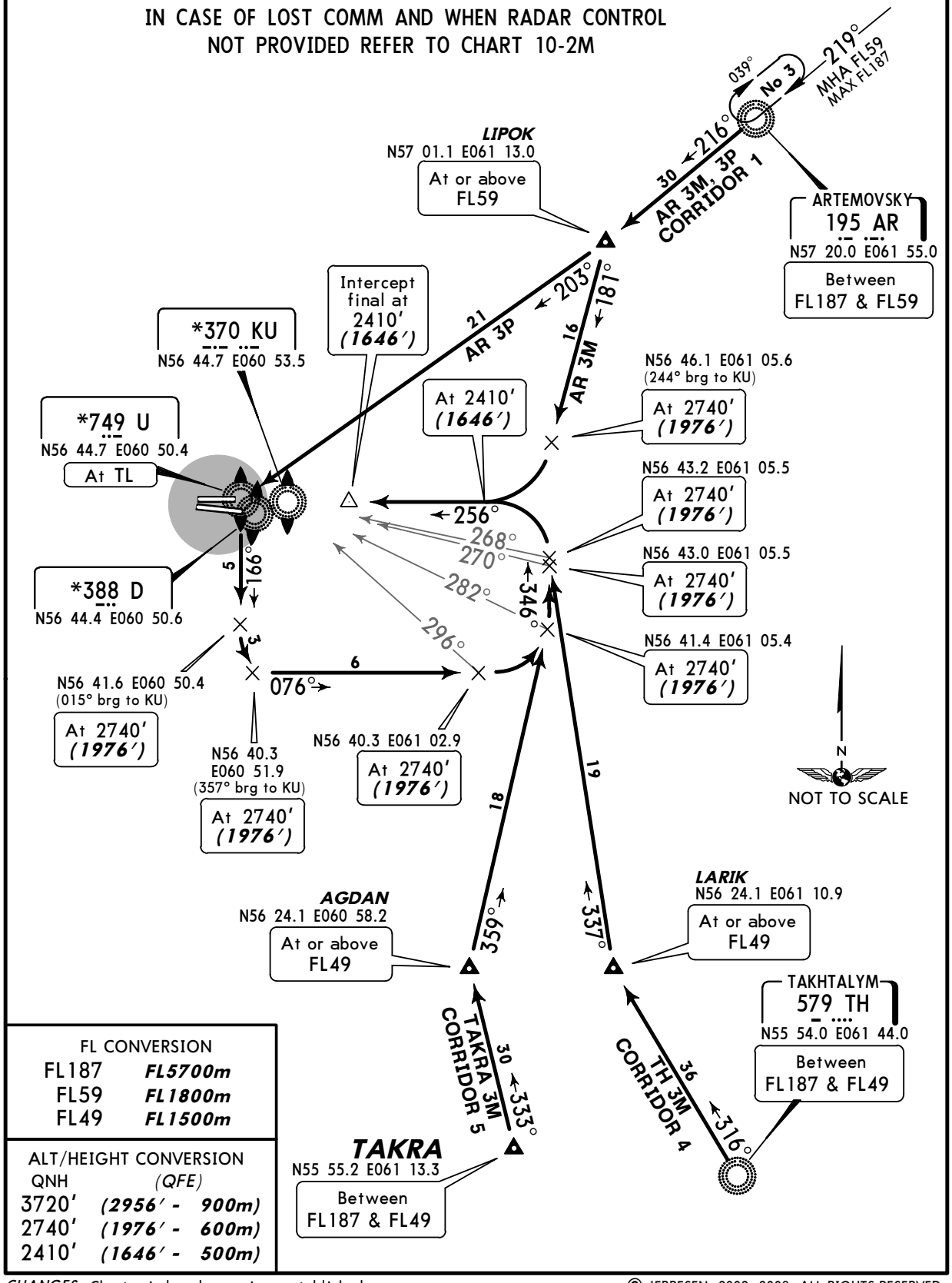
JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2F) Eff 18 Dec STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)***

3400′ 245° 2700′ 045° 3100′ 335°
MSA
D Lctr

AR 3M, AR 3P
TAKRA 3M *[TAKR3M]*
TH 3M
RWY 26R ARRIVALS
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN RADAR CONTROL
NOT PROVIDED REFER TO CHART 10-2M



FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2956′ - 900m)***
2740′	***(1976′ - 600m)***
2410′	***(1646′ - 500m)***

CHANGES: Chart reindexed; crossings established.

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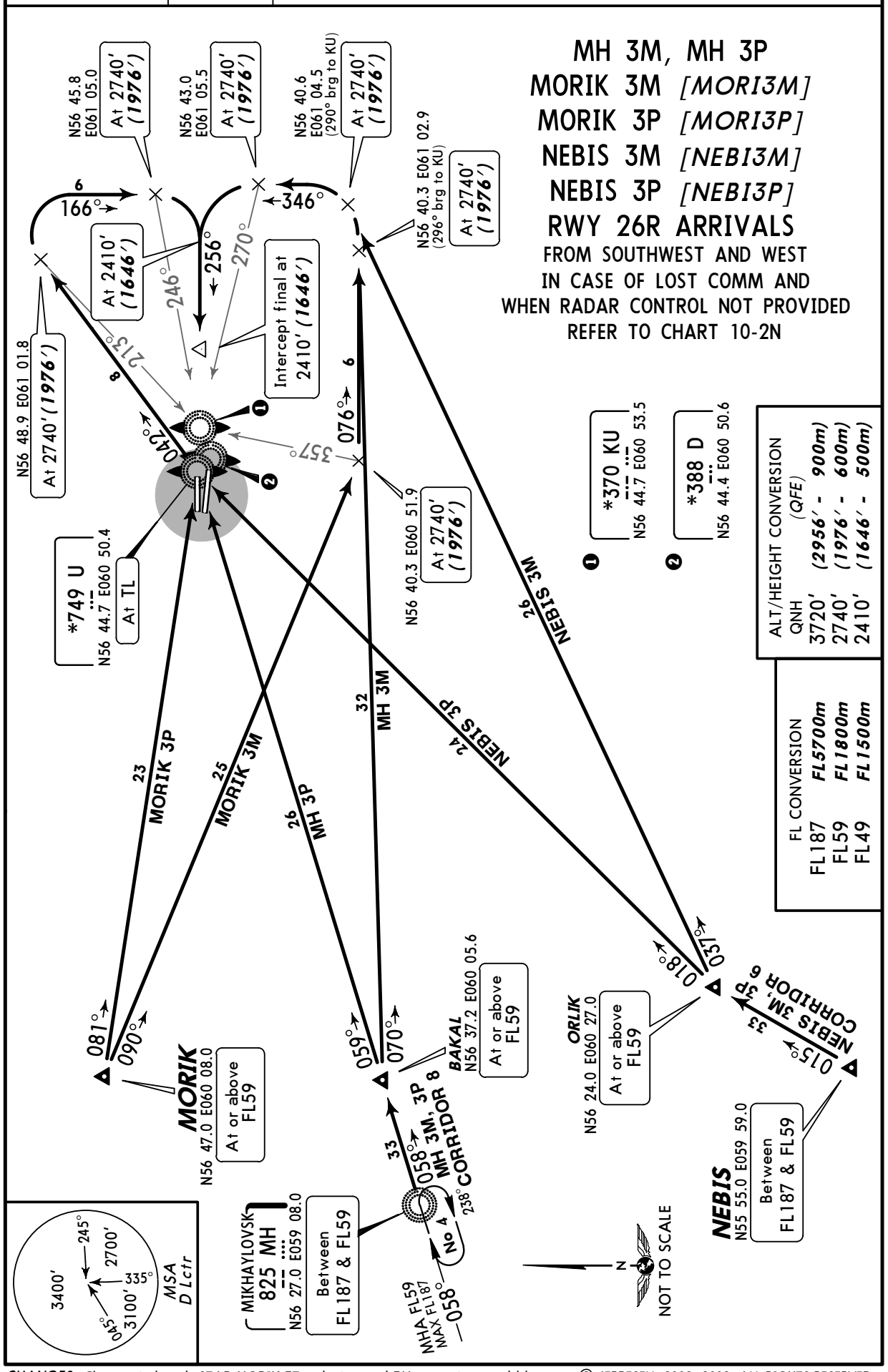
USSS/SVX KOLTSOVO

JEPPESEN 12 DEC 08 (10-2G) Eff 18 Dec

YEKATERINBURG, RUSSIA

STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)***



CHANGES: Chart reindexed; STAR MORIK 3T redesignated 3M; crossings estbld.

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USSS/SVX KOLTSOVO

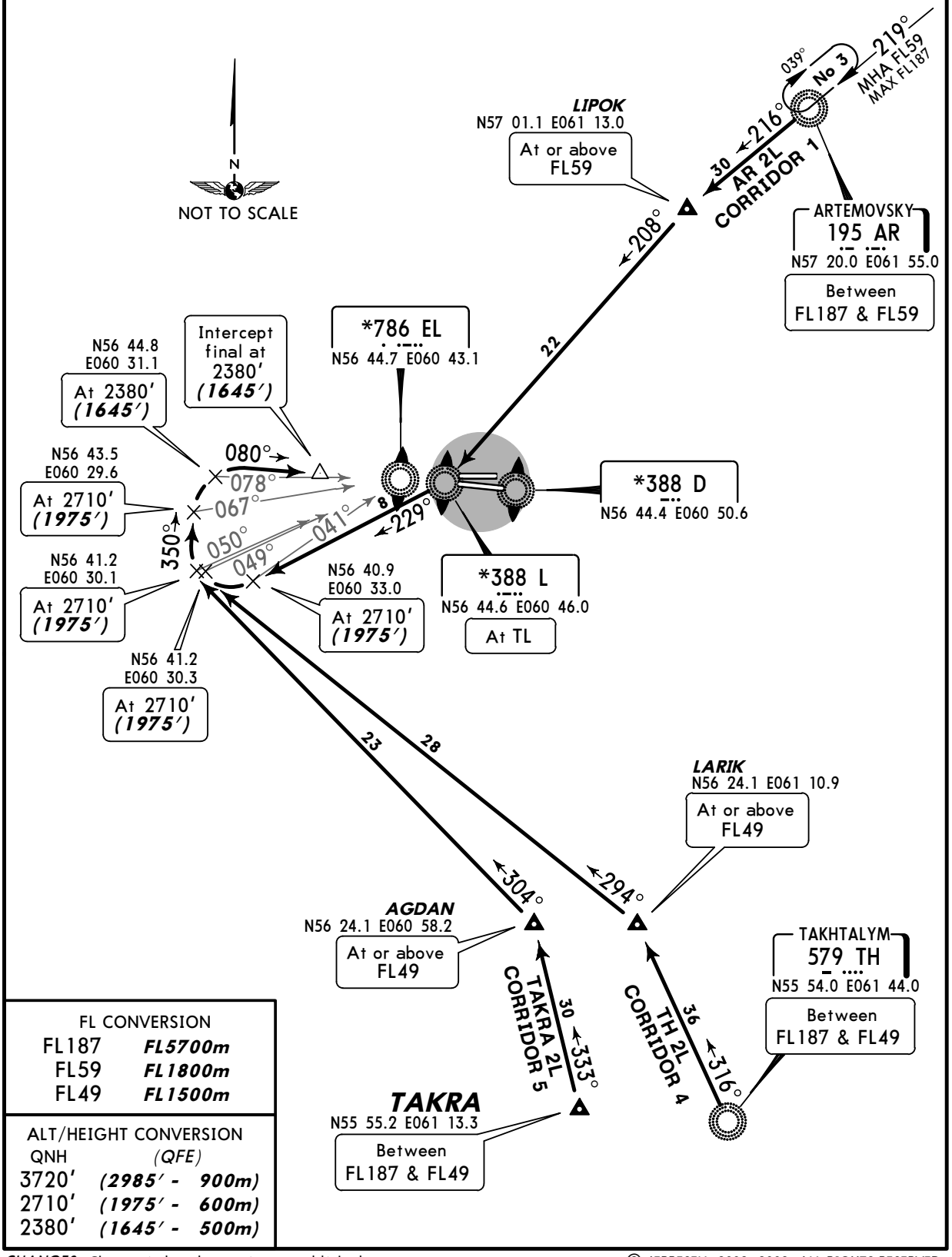
JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2H) Eff 18 Dec STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2985′)***

MSA D Lctr: 3400′ (045°–245°), 2700′ (335°–045°), 3100′ (245°–335°)

AR 2L, TAKRA 2L *[TAKR2L]*, TH 2L
RWY 08R ARRIVALS
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN RADAR CONTROL NOT PROVIDED REFER TO CHART 10-2P



FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2985′ - 900m)***
2710′	***(1975′ - 600m)***
2380′	***(1645′ - 500m)***

CHANGES: Chart reindexed; crossings established.

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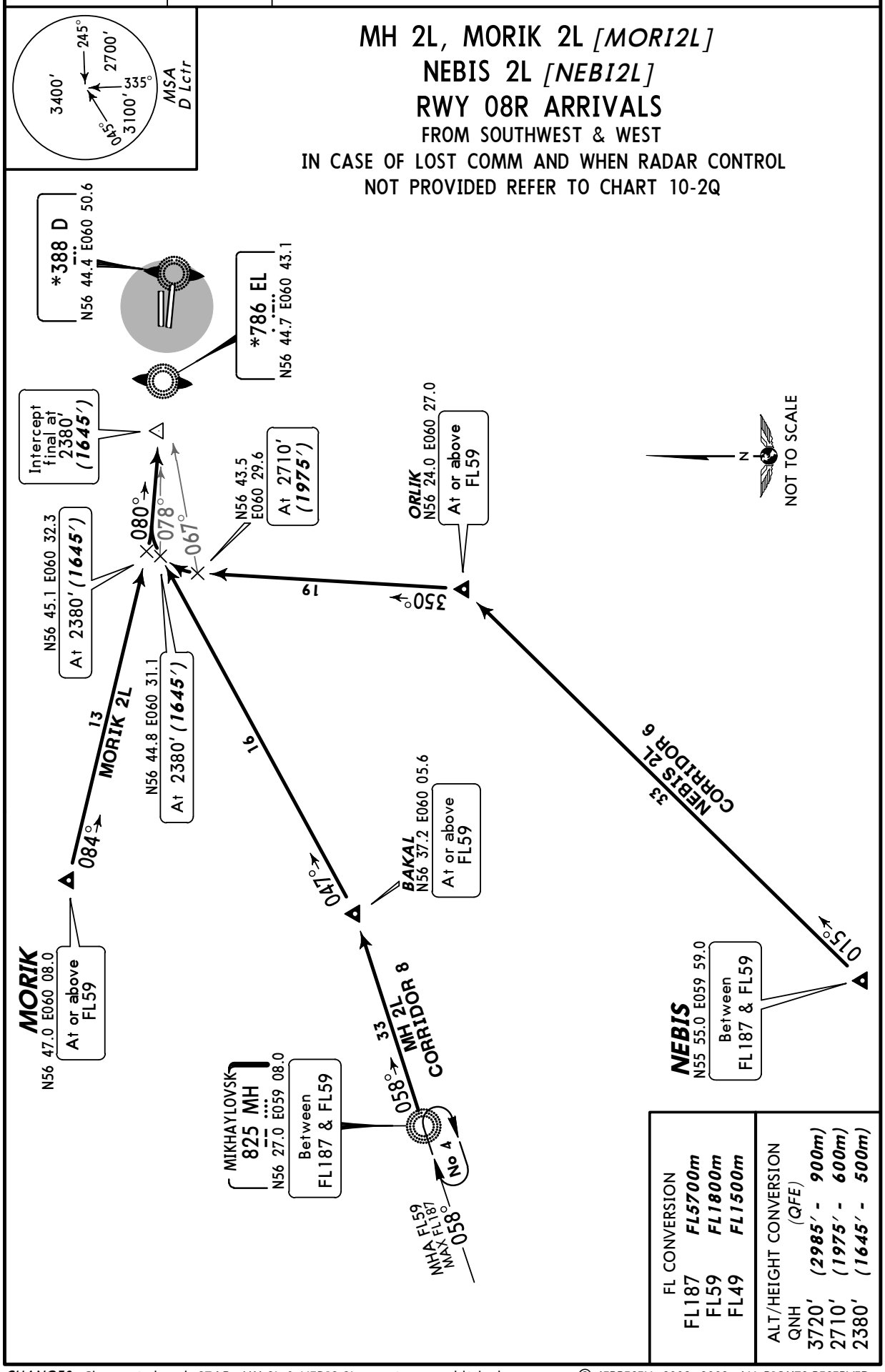
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2J) Eff 18 Dec STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2985′)***



CHANGES: Chart reindexed; STARs MH 2L & NEBIS 2L crossings established.

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USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2K) Eff 18 Dec STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2959′)***

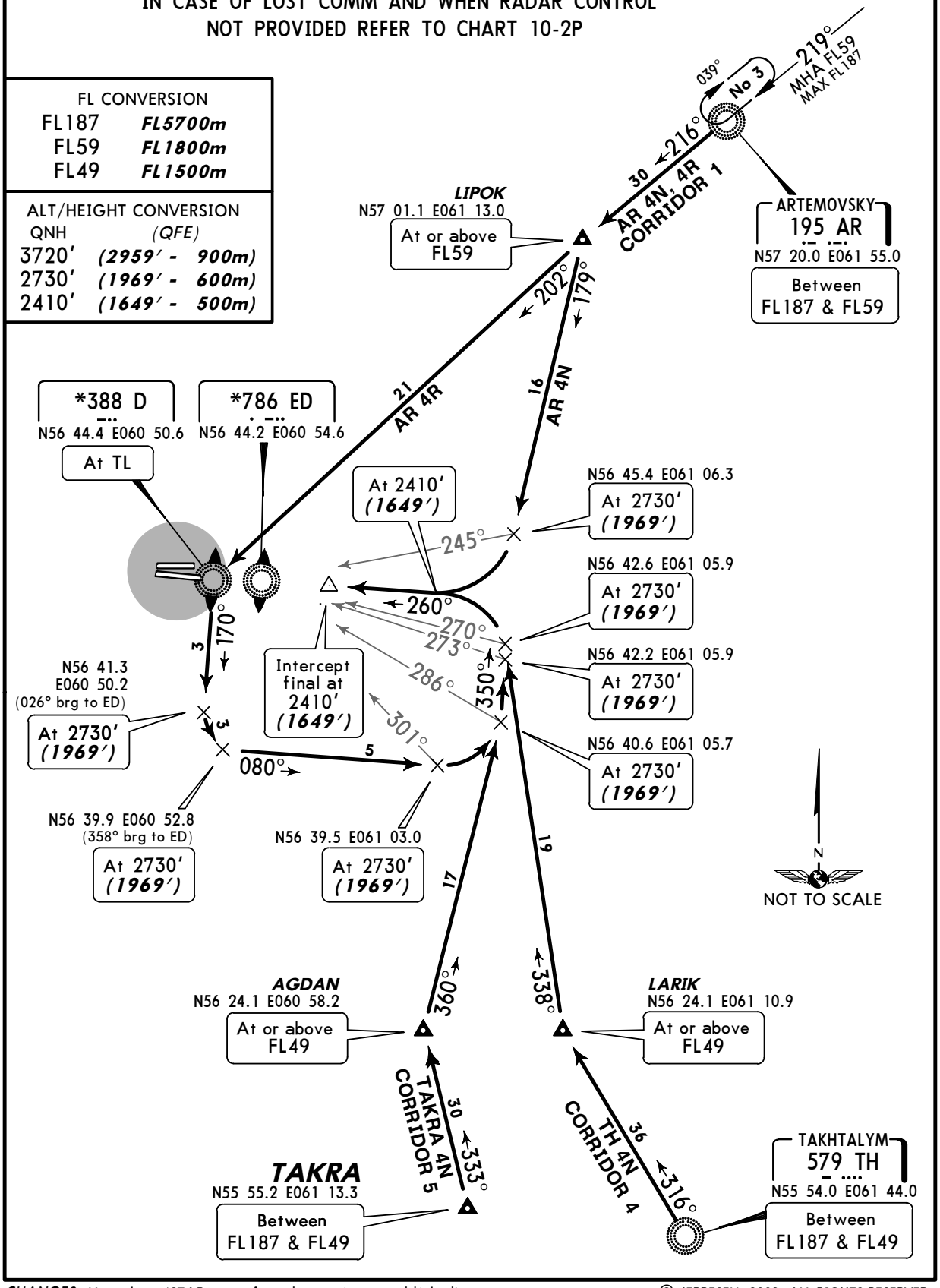
3400′ 245° 2700′ 045° 3100′ 335°
MSA
D Lctr

AR 4N, AR 4R
TAKRA 4N *[TAKR4N]*, TH 4N
RWY 26L ARRIVALS

FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN RADAR CONTROL NOT PROVIDED REFER TO CHART 10-2P

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2959′ - 900m)***
2730′	***(1969′ - 600m)***
2410′	***(1649′ - 500m)***



CHANGES: New chart (STARs transferred; crossings established).

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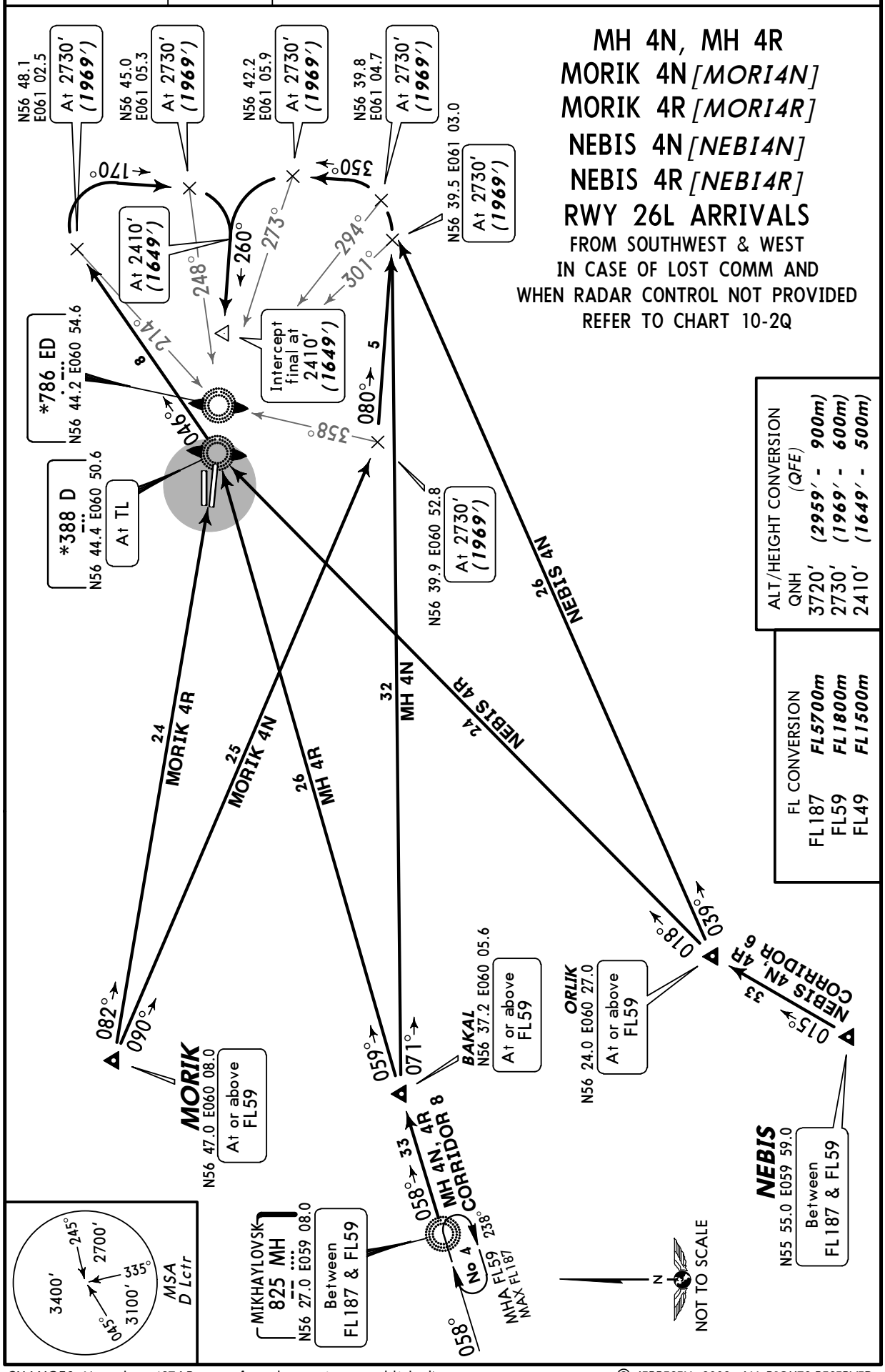
USSS/SVX KOLTSOVO

JEPPESEN 12 DEC 08 (10-2L) Eff 18 Dec

YEKATERINBURG, RUSSIA

STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2959′)***



CHANGES: New chart (STARs transferred; crossings established).

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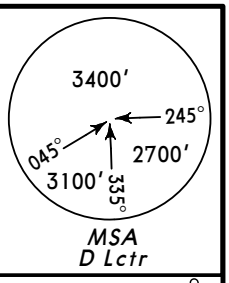
USSS/SVX
KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2M) Eff 18 Dec

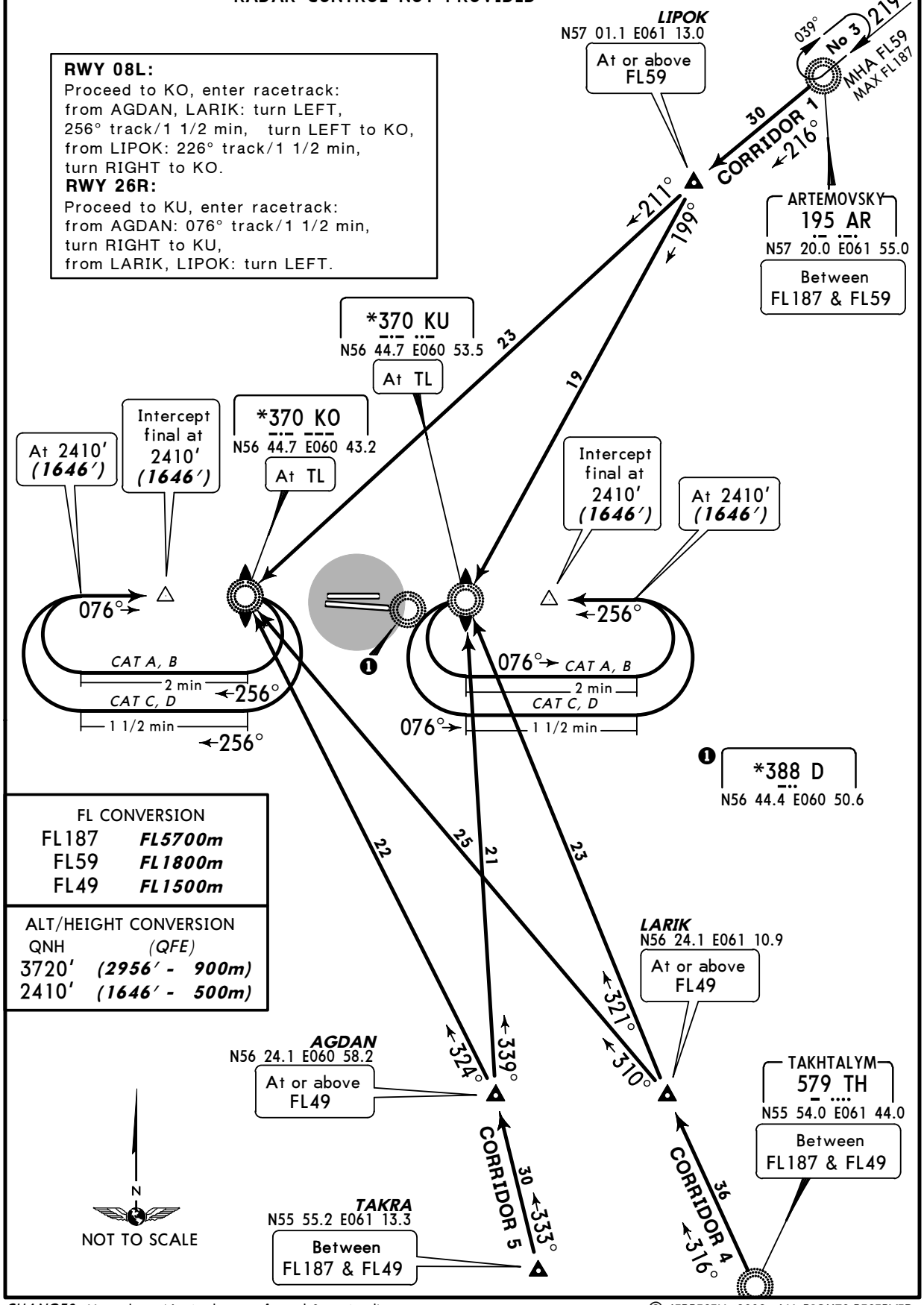
STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)***



RWYS 08L, 26R ARRIVALS
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN
RADAR CONTROL NOT PROVIDED

RWY 08L:
Proceed to KO, enter racetrack:
from AGDAN, LARIK: turn LEFT,
256° track/1 1/2 min, turn LEFT to KO,
from LIPOK: 226° track/1 1/2 min,
turn RIGHT to KO.
RWY 26R:
Proceed to KU, enter racetrack:
from AGDAN: 076° track/1 1/2 min,
turn RIGHT to KU,
from LARIK, LIPOK: turn LEFT.



FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
3720′	***(2956′ - 900m)***
2410′	***(1646′ - 500m)***

CHANGES: New chart (Arrivals transferred & revised).

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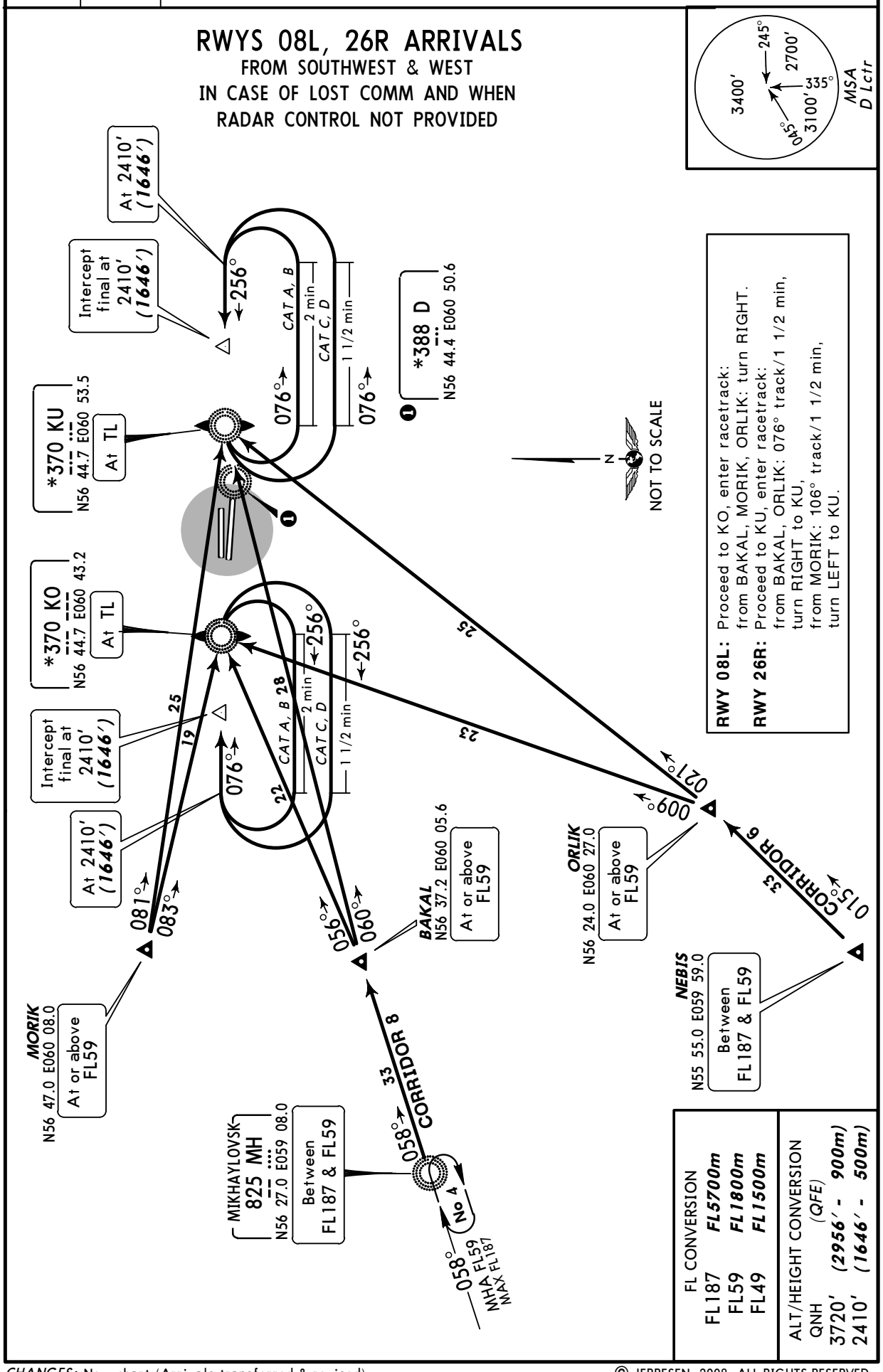
USSS/SVX KOLTSOVO

JEPPESEN 12 DEC 08 (10-2N) Eff 18 Dec

YEKATERINBURG, RUSSIA

STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)***



CHANGES: New chart (Arrivals transferred & revised).

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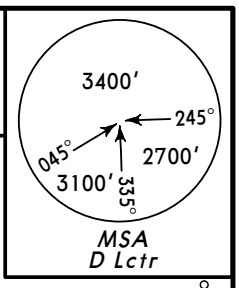
USSS/SVX
KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-2P) Eff 18 Dec

STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)***



RWYS 08R, 26L ARRIVALS
FROM NORTHEAST & SOUTH
IN CASE OF LOST COMM AND WHEN
RADAR CONTROL NOT PROVIDED

RWY 08R: Proceed to EL, enter racetrack:
from AGDAN, LARIK: turn LEFT,
260° track/1 1/2 min, turn LEFT to EL,
from LIPOK: 230° track/1 1/2 min,
turn RIGHT to EL.

RWY 26L: Proceed to ED, enter racetrack:
from AGDAN: 080° track/1 1/2 min,
turn RIGHT to ED,
from LARIK, LIPOK: turn LEFT.

LIPOK
N57 01.1 E061 13.0
At or above FL59

No 3 219° 039° MHA FL59 MAX FL187

CORRIDOR 1 30 216° 211° 197°

ARTEMOVSKY
195 AR
N57 20.0 E061 55.0
Between FL187 & FL59

*786 ED
N56 44.2 E060 54.6
At TL

*786 EL
N56 44.7 E060 43.1
At TL

23 19

Intercept final at 2410′ (1646′)
At 2410′ (1646′)

080° CAT A, B 2 min 260° 1 1/2 min CAT C, D 260°

080° CAT A, B 2 min CAT C, D 1 1/2 min 260° 080°

❶ *388 D
N56 44.4 E060 50.6

N
NOT TO SCALE

22 26 20 22

LARIK
N56 24.1 E061 10.9
At or above FL49

322° 310° 324° 340°

AGDAN
N56 24.1 E060 58.2
At or above FL49

CORRIDOR 5 30 333°

CORRIDOR 4 36 316°

TAKHTALYM
579 TH
N55 54.0 E061 44.0
Between FL187 & FL49

TAKRA
N55 55.2 E061 13.3
Between FL187 & FL49

FL CONVERSION	
FL187	***FL5700m***
FL59	***FL1800m***
FL49	***FL1500m***

ALT/HEIGHT CONVERSION		
QNH	*(QFE)*	
3720′	***(2956′ -***	***900m)***
2410′	***(1646′ -***	***500m)***

CHANGES: New chart (Arrivals transferred & revised).

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USSS/SVX KOLTSOVO

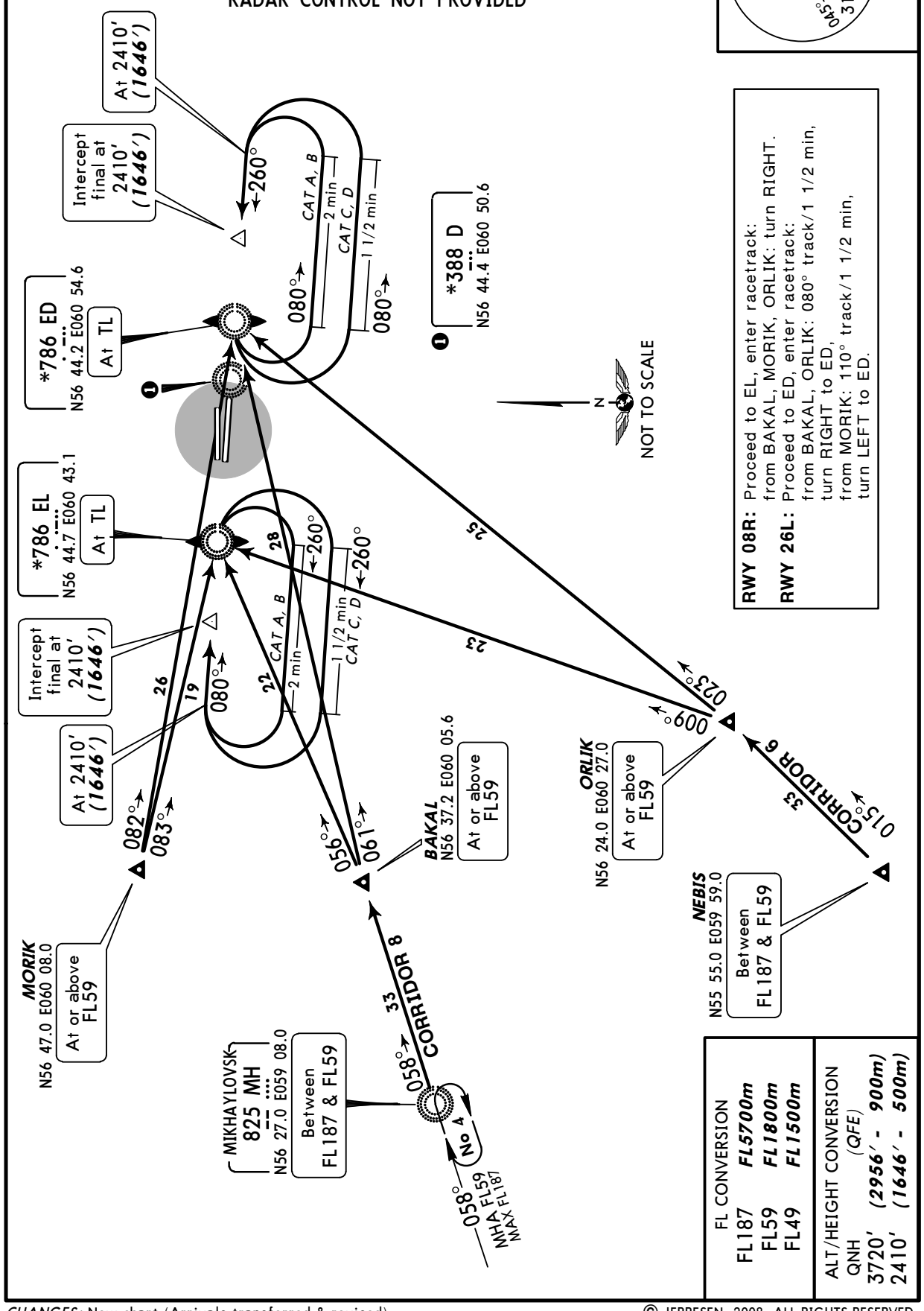
JEPPESEN 12 DEC 08 (10-2Q) Eff 18 Dec

YEKATERINBURG, RUSSIA

STAR

ATIS	Apt Elev	
127.8	764′	Alt Set: MM (hPa on request) QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2956′)***

RWYS 08R, 26L ARRIVALS
FROM SOUTHWEST & WEST
IN CASE OF LOST COMM AND WHEN
RADAR CONTROL NOT PROVIDED



CHANGES: New chart (Arrivals transferred & revised).

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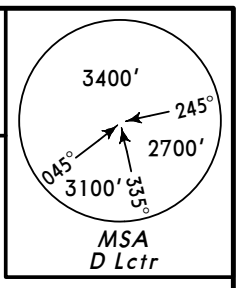
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-3) Eff 18 Dec SID

Apt Elev 764′	QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2982′)***



AR 1A, MORIK 1A *[MORI1A]*
NZ 1A, SOPUS 1A *[SOPU1A]*
TH 1A
RWY 08L DEPARTURES

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
1730′	***(992′ - 300m)***
3720′	***(2982′ - 900m)***

FL CONVERSION	
FL49	***FL1500m***
FL59	***FL1800m***
FL187	***FL5700m***

ARTEMOVSKY
195 AR
N57 20.0 E061 55.0
Between FL59 & FL187

036° 30 AR 1A CORRIDOR 1

060° 27 SOPUS 1A

LIPOK
N57 01.1 E061 13.0
At or above FL59

SOPUS
N57 08.1
E062 00.2
Between FL59 & FL187

22 AR 1A SOPUS 1A

MORIK
N56 47.0 E060 08.0
At or above FL59

*388 D
N56 44.4 E060 50.6

At 1730′ ***(992′)*** but not further than 5.4 NM from DER

076°

011°

37 MORIK 1A

269°

225°

148°

HOLDING OVER AR

039° No 3 219°
MHA FL59
MAX FL187

32 NZ 1A

KOSAR
N56 28.9 E060 21.1
At or above FL59

212°

37 CORRIDOR 7

NYAZEPETROVSK
350 NZ
N56 03.0 E059 35.0
Between FL59 & FL187

25 TH 1A

LARIK
N56 24.1 E061 10.9
At or above FL49

135° 36 CORRIDOR 4

TAKHTALYM
579 TH
N55 54.0 E061 44.0
Between FL49 & FL187

N
NOT TO SCALE

CHANGES: Crossings & holding over AR established.

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JEPPESEN
FliteStar 9.4.5.0

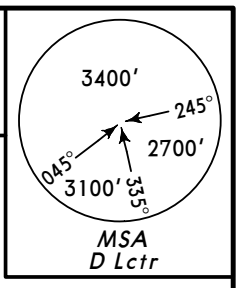
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

12 DEC 08 (10-3A) Eff 18 Dec

SID

Apt Elev 764′	QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733mm (977.3 hPa) Trans alt: 3720′ ***(2985′)***



AR 2B, MORIK 2B *[MORI2B]*
NZ 2B, SOPUS 2B*[SOPU2B]*
TH 2B
RWY 08R DEPARTURES

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
1720′	***(985′ - 300m)***
3720′	***(2985′ - 900m)***

FL CONVERSION	
FL49	***FL1500m***
FL59	***FL1800m***
FL187	***FL5700m***

ARTEMOVSKY
195 AR
N57 20.0 E061 55.0
Between FL59 & FL187

30 AR 2B CORRIDOR 1 036°

LIPOK
N57 01.1 E061 13.0
At or above FL59

060° 27 SOPUS 2B

SOPUS
N57 08.1
E062 00.2
Between FL59 & FL187

23 AR 2B SOPUS 2B

MORIK
N56 47.0 E060 08.0
At or above FL59

*388 D
N56 44.4 E060 50.6

At 1720′ ***(985′)*** but not further than 5.4 NM from DER

080° 600°

36 MORIK 2B 270°

226° 148°

HOLDING OVER AR
039° No 3 219°
MHA FL59
MAX FL187

KOSAR
N56 28.9 E060 21.1
At or above FL59

32 NZ 2B

25 TH 2B

212° 37 CORRIDOR 7

NYAZEPETROVSK
350 NZ
N56 03.0 E059 35.0
Between FL59 & FL187

LARIK
N56 24.1 E061 10.9
At or above FL49

135° 36 CORRIDOR 4

TAKHTALYM
579 TH
N55 54.0 E061 44.0
Between FL49 & FL187

N
NOT TO SCALE

CHANGES: Crossings & holding over AR established.

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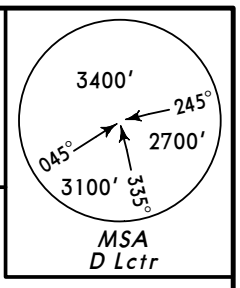
USSS/SVX KOLTSOVO

JEPPESEN YEKATERINBURG, RUSSIA

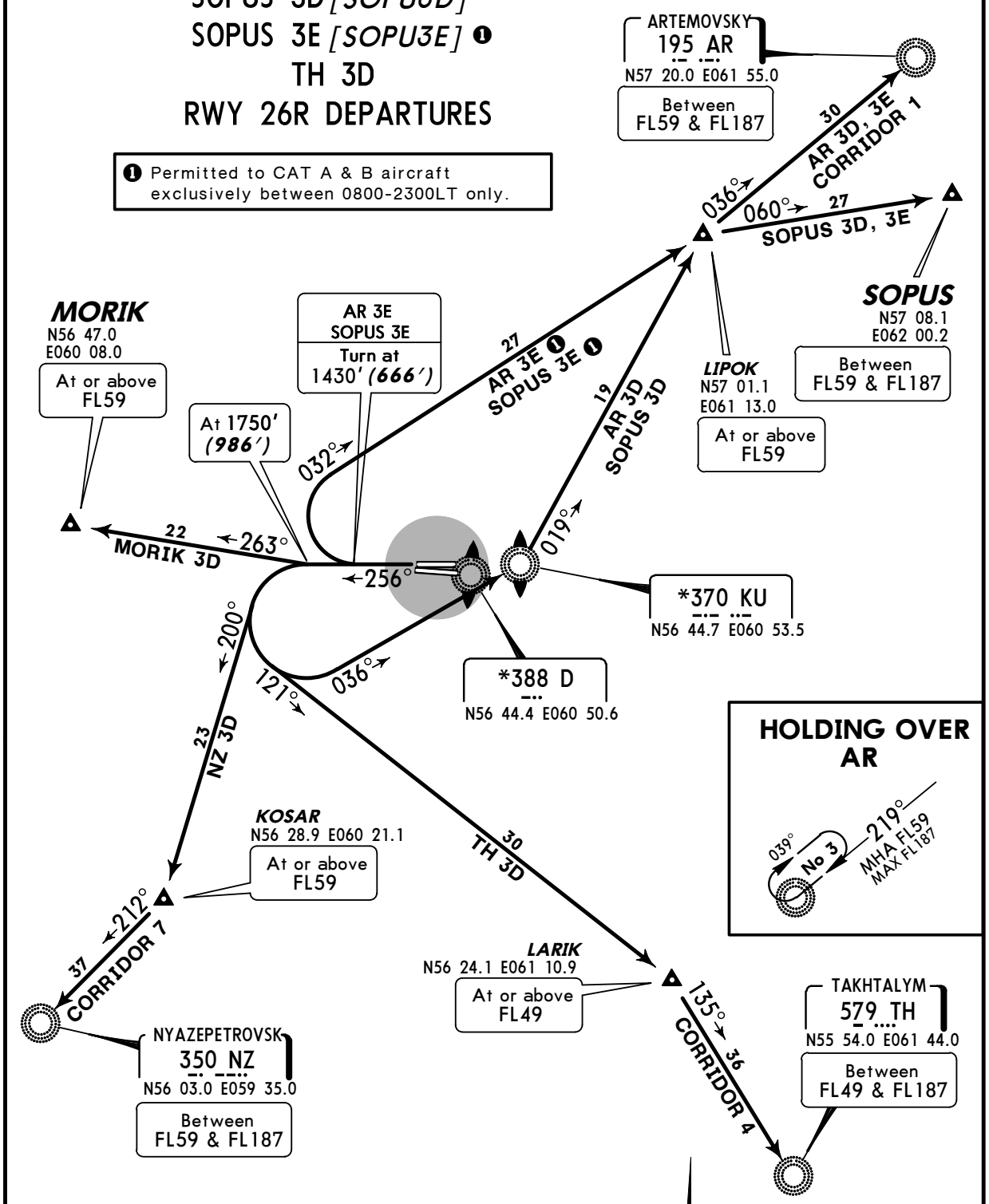
12 DEC 08 (10-3B) Eff 18 Dec SID

Apt Elev 764′	QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733MM (977.3 hPa) Trans alt: 3720′ ***(2956′)*** Noise abatement procedures should be applied according to Flight Manual.



AR 3D, AR 3E ❶
MORIK 3D *[MORI3D]*, NZ 3D
SOPUS 3D *[SOPU3D]*
SOPUS 3E *[SOPU3E]* ❶
TH 3D
RWY 26R DEPARTURES

❶ Permitted to CAT A & B aircraft exclusively between 0800-2300LT only.



ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
1430′	***(666′ - 200m)***
1750′	***(986′ - 300m)***
3720′	***(2956′ - 900m)***

FL CONVERSION	
FL49	***FL1500m***
FL59	***FL1800m***
FL187	***FL5700m***

CHANGES: Crossings & holding over AR established.

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USSS/SVX KOLTSOVO

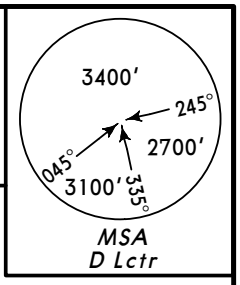
JEPPESEN

YEKATERINBURG, RUSSIA

12 DEC 08 (10-3C) Eff 18 Dec

SID

Apt Elev 764'	QNH on request **(QFE)** Trans level: FL49 FL59 if pressure is less than 733MM (977.3 hPa) Trans alt: 3720' ***(2959')*** Noise abatement procedures should be applied according to Flight Manual.



AR 4D, AR 4E ❶
MORIK 4D *[MORI4D]*, NZ 4D
SOPUS 4D *[SOPU4D]*
SOPUS 4E *[SOPU4E]* ❶
TH 4D
RWY 26L DEPARTURES

❶ Permitted to CAT A & B aircraft exclusively between 0800-2300LT only.

ARTEMOVSKY
195 AR
N57 20.0 E061 55.0
Between FL59 & FL187

30 AR 4D, 4E CORRIDOR 1
036°
060° 27 SOPUS 4D, 4E

SOPUS
N57 08.1
E062 00.2
Between FL59 & FL187

LIPOK
N57 01.1
E061 13.0
At or above FL59

AR 4E
SOPUS 4E
Turn at 1420'***(659')***

27 AR 4E ❶ SOPUS 4E ❶

19 AR 4D SOPUS 4D

MORIK
N56 47.0 E060 08.0
At or above FL59

At 1750' ***(989')***

031°

22 MORIK 4D
263°
260°
017°

*786 ED
N56 44.2 E060 54.6

200°
121°
044°

*388 D
N56 44.4 E060 50.6

23 NZ 4D

KOSAR
N56 28.9 E060 21.1
At or above FL59

30 TH 4D

212°
37 CORRIDOR 7

NYAZEPETROVSK
350 NZ
N56 03.0 E059 35.0
Between FL59 & FL187

LARIK
N56 24.1 E061 10.9
At or above FL49

135°
36 CORRIDOR 4

TAKHTALYM
579 TH
N55 54.0 E061 44.0
Between FL49 & FL187

HOLDING OVER AR

039°
No 3
219°
MHA FL59
MAX FL187

N
NOT TO SCALE

ALT/HEIGHT CONVERSION	
QNH	*(QFE)*
1420'	***(659' - 200m)***
1750'	***(989' - 300m)***
3720'	***(2959' - 900m)***

FL CONVERSION	
FL49	***FL1500m***
FL59	***FL1800m***
FL187	***FL5700m***

CHANGES: Crossings & holding over AR established.

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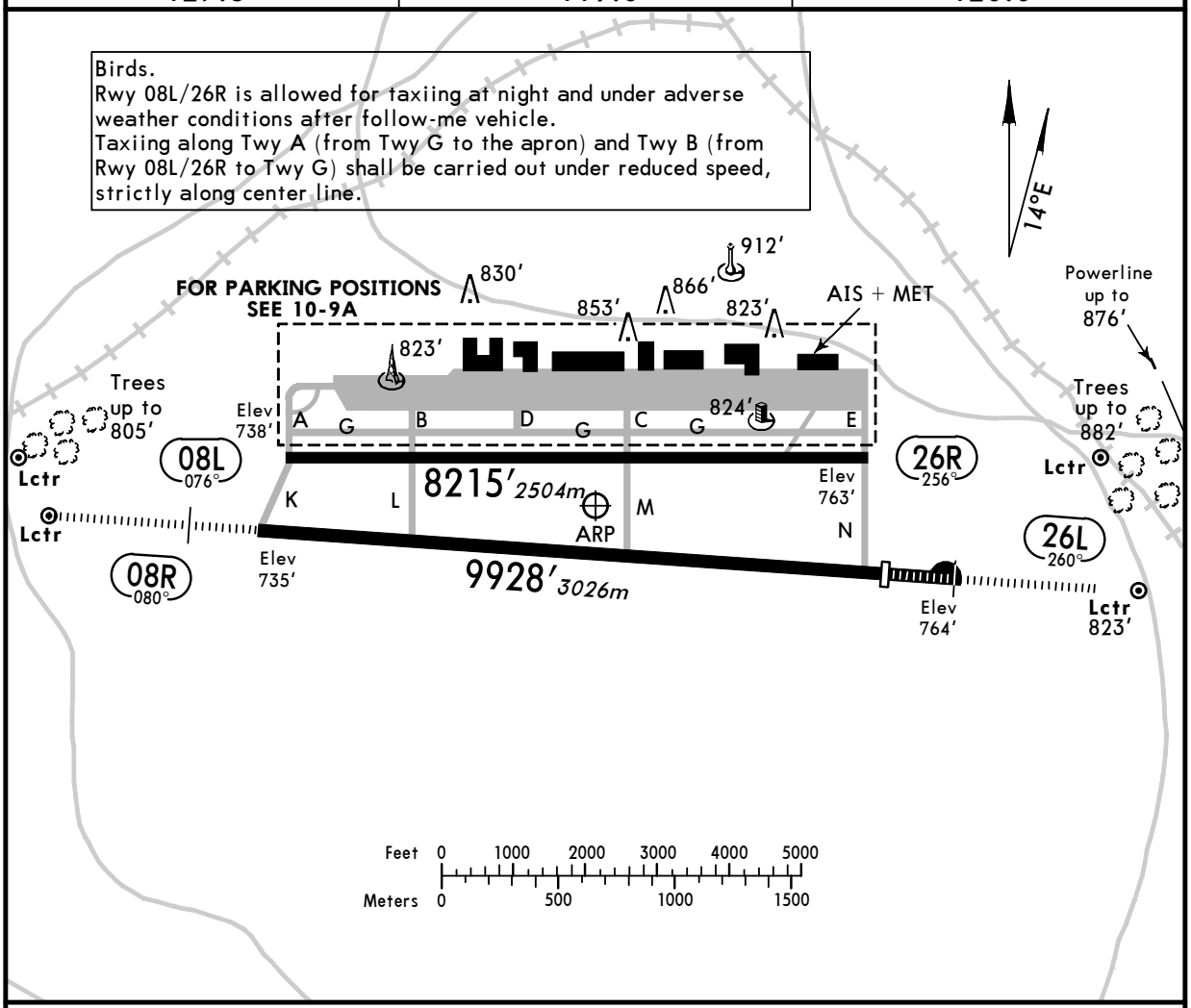
USSS/SVX YEKATERINBURG, RUSSIA

Apt Elev **764'**
N56 44.6 E060 48.3

JEPPESEN 1 FEB 08 (10-9) **Eff 14 Feb**

KOLTSOVO

ATIS	KOLTSOVO Ground	Tower
127.8	119.0	120.0



ADDITIONAL RUNWAY INFORMATION

RWY				USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
08L 26R				NIGHT NA	7364' 2245m	NIGHT NA	148' 45m
08R	HIRL (60m)	HIALS	PAPI-L(angle 2.67°)	9682' 2951m	8953' 2729m	9682' 2951m	174' 53m
26L	HIRL (60m)	HIALS	PAPI-L(angle 2.83°)	8862' 2701m	7768' 2368m		

TAKE-OFF

AIR CARRIER (JAA)

All Rwys

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

CHANGES: Note. Twy D established. Lights. Usable lengths.

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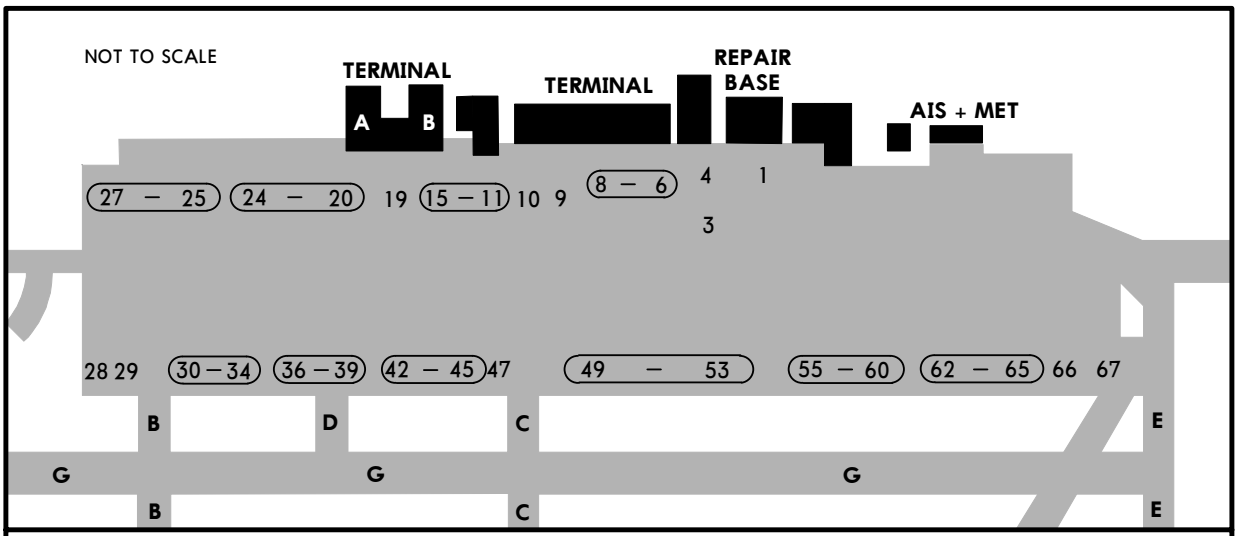

Stand 52 available for engines run-up.
Stands 22 thru 29, 44, 45, 47 and 62 thru 65 available for helicopters.

CHANGES: Parking stands.

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USSS/SVX

JEPPESEN
12 DEC 08
Eff 18 Dec
10-9X

JAA MINIMUMS

YEKATERINBURG, RUSSIA
KOLTSOVO

STRAIGHT-IN RWY		A	B	C	D
08L	NDB	**1080**′(342′)	**1080**′(342′)	**1080**′(342′)	**1080**′(342′)
		R1500m	**R1500m**	**R1800m**	**R2000m**
08R	ILS	**935**′(200′)	**935**′(200′)	**935**′(200′)	**935**′(200′)
		R550m	**R550m**	**R550m**	**R550m**
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	NDB	**1070**′(335′)	**1070**′(335′)	**1070**′(335′)	**1070**′(335′)
		R900m	**R1000m**	**R1000m**	**R1400m**
	ALS out	R1500m	R1500m	R1800m	R2000m
26L	ILS	**961**′(200′)	**961**′(200′)	**961**′(200′)	**961**′(200′)
		R550m	**R550m**	**R550m**	**R550m**
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	NOT AUTHORIZED			
	RNAV	**1260**′(499′)	**1260**′(499′)	**1260**′(499′)	**1260**′(499′)
		R1000m	**R1200m**	**R1200m**	**R1600m**
	ALS out	R1500m	R1500m	R2000m	R2000m
	NDB	**1240**′(479′)	**1240**′(479′)	**1240**′(479′)	**1240**′(479′)
		R1000m	**R1200m**	**R1200m**	**R1600m**
	ALS out	R1500m	R1500m	R2000m	R2000m
26R	ILS	**968**′(205′)	**974**′(211′)	**981**′(218′)	**991**′(228′)
		R1000m	**R1000m**	**R1000m**	**R1000m**
	LOC	NOT AUTHORIZED			
	RNAV	**1260**′(497′)	**1260**′(497′)	**1260**′(497′)	**1260**′(497′)
		R1500m	**R1500m**	**R2000m**	**R2000m**
	NDB	**1200**′(437′)	**1200**′(437′)	**1200**′(437′)	**1200**′(437′)
		R1500m	**R1500m**	**R1800m**	**R2000m**

TAKE-OFF RWY 08L/R, 26L/R

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

CHANGES: Minimums.

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USSS/SVX KOLTSOVO

JEPPESEN 1 FEB 08 Eff 14 Feb (11-1)

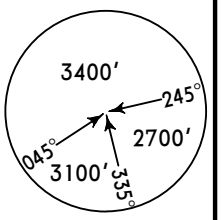
YEKATERINBURG, RUSSIA ILS or 2 NDB Rwy 08R

BRIEFING STRIP ™

ATIS	KOLTSOVO Approach (R)	KOLTSOVO Radar	KOLTSOVO Tower	Ground
127.8	125.9	118.7	120.0	119.0

LOC IEL 109.9	Final Apch Crs 080°	GS LOM 1374′ (639′)	ILS DA(H) 935′ (200′)	Apt Elev 764′
NDB EL 786		Minimum Alt LOM 1530′ (795′)	NDB MDA(H) 1070′ (335′)	RWY 735′

MISSED APCH: Climb on 080° to 1720′ (985′), then turn RIGHT onto 260° climbing to 2710′ (1975′), then according to chart.



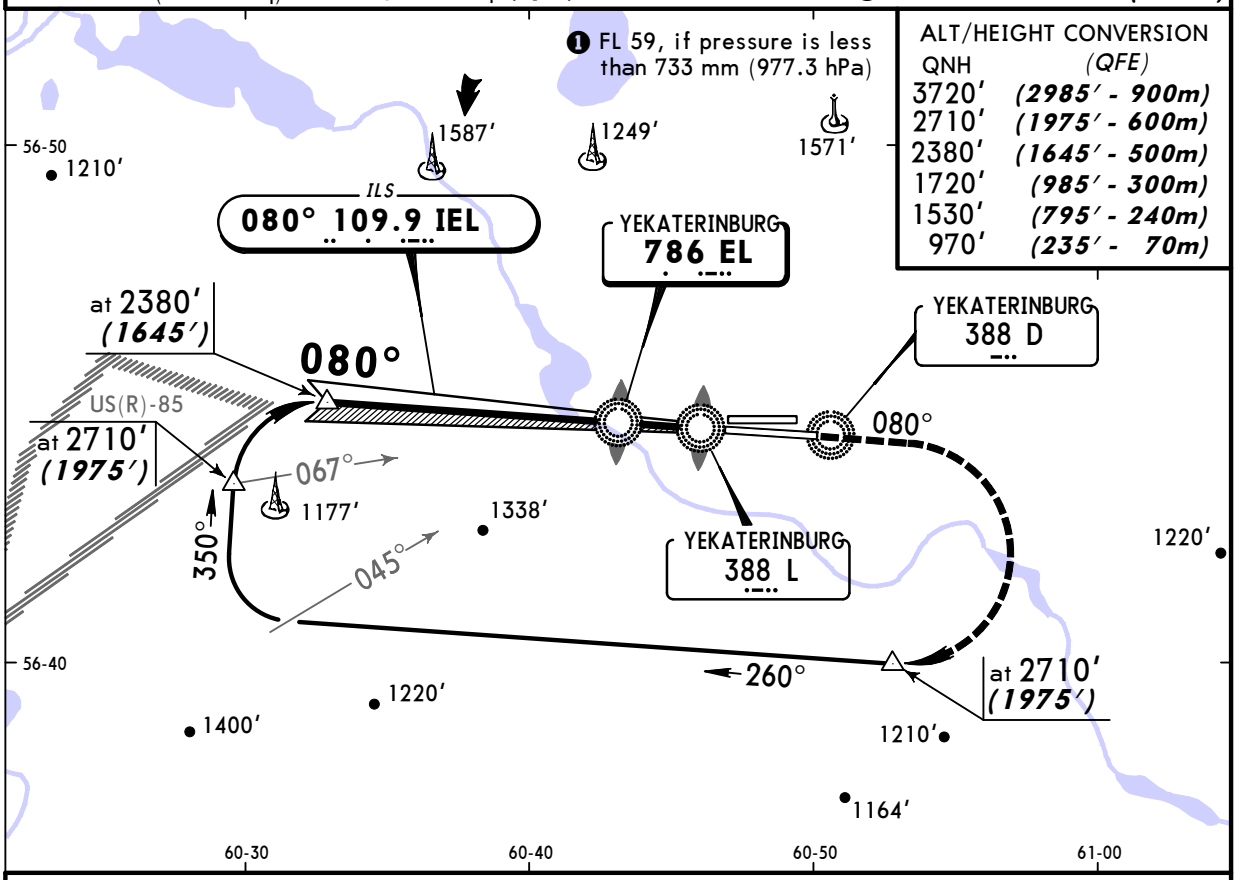
MSA D Lctr

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 49 ❶ Trans alt: 3720′ (2985′)

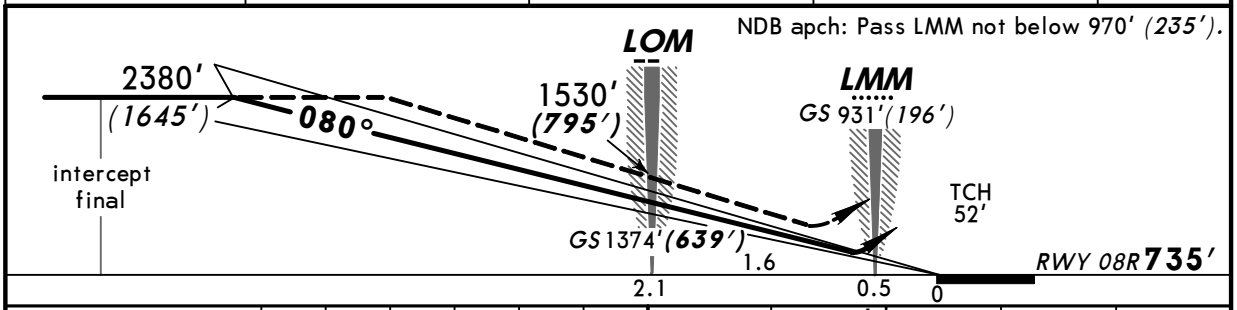
❶ FL 59, if pressure is less than 733 mm (977.3 hPa)

ALT/HEIGHT CONVERSION

QNH	(QFE)
3720′	(2985′ - 900m)
2710′	(1975′ - 600m)
2380′	(1645′ - 500m)
1720′	(985′ - 300m)
1530′	(795′ - 240m)
970′	(235′ - 70m)



NDB apch: Pass LMM not below 970′ (235′).



Gnd speed-Kts		70	90	100	120	140	160
ILS GS	2.67°	336	432	480	576	671	767
NDB Desc Grad	5.8%	411	529	587	705	822	940

HIALS PAPI 1720′ (985′) on 080° 260° RT 2710′ (1975′)

STRAIGHT-IN LANDING RWY 08R

	ILS DA(H) 935′ (200′) FULL	ILS DA(H) 935′ (200′) ALS out	LOC (GS out)	NDB MDA(H) 1070′ (335′)	NDB MDA(H) 1070′ (335′) ALS out
A	800m	1200m	NOT AUTHORIZED	1200m	1600m
B					
C					
D				1600m	

PANS OPS

CHANGES: MSA. Procedure bearings. Minimums.

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USSS/SVX KOLTSOVO

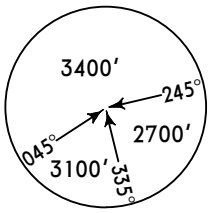
JEPPESEN 1 FEB 08 Eff 14 Feb (11-2)

YEKATERINBURG, RUSSIA ILS or 2 NDB Rwy 26L

BRIEFING STRIP ™

ATIS	KOLTSOVO Approach (R)	KOLTSOVO Radar	KOLTSOVO Tower	Ground
127.8	125.9	118.7	120.0	119.0

LOC IED **109.5**	Final Apch Crs **260°**	GS LOM 1663′ (902′)	ILS DA(H) 961′ (200′)	Apt Elev 764′
NDB ED **786**		Minimum Alt LOM 1720′ (959′)	NDB MDA(H) 1240′ (479′)	RWY **761′**



MSA D Lctr

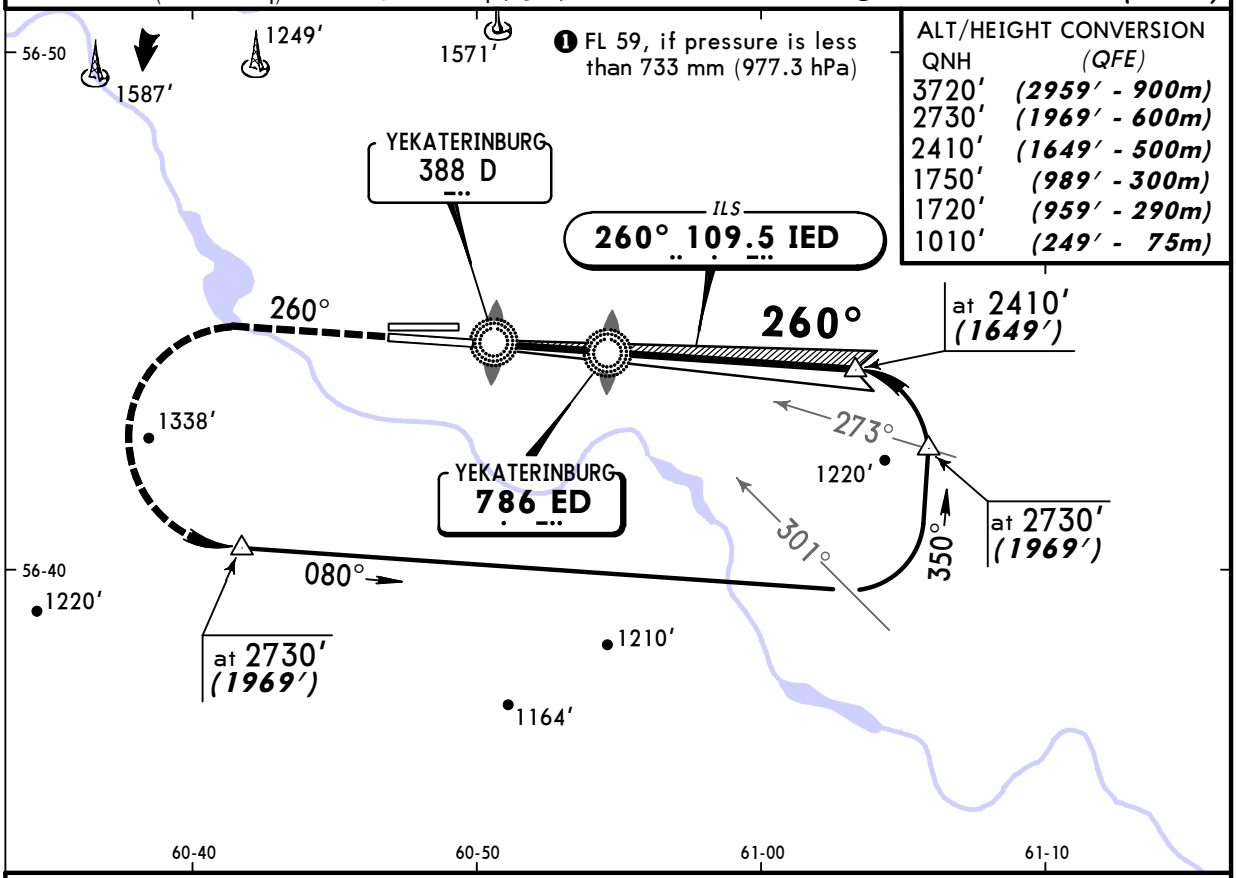
MISSED APCH: Climb on 260° to 1750′ (989′), then turn LEFT onto 080° climbing to 2730′ (1969′), then according to chart.

Alt Set: MM (hPa on req) QNH on req **(QFE)** Trans level: FL 49 ❶ Trans alt: 3720′ (2959′)

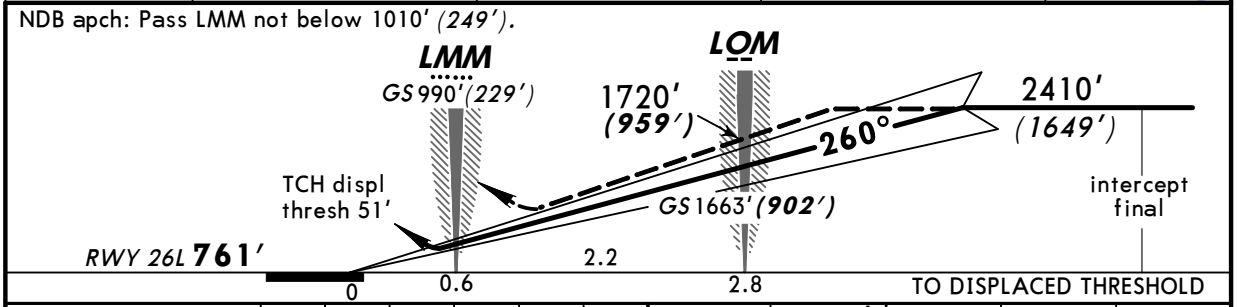
❶ FL 59, if pressure is less than 733 mm (977.3 hPa)

ALT/HEIGHT CONVERSION

QNH	(QFE)
3720′	(2959′ - 900m)
2730′	(1969′ - 600m)
2410′	(1649′ - 500m)
1750′	(989′ - 300m)
1720′	(959′ - 290m)
1010′	(249′ - 75m)



NDB apch: Pass LMM not below 1010′ (249′).



Gnd speed-Kts		70	90	100	120	140	160
ILS GS	2.83°	356	457	508	610	711	813
NDB Desc Grad	5.2%	369	474	527	632	737	843

HIALS PAPI 1750′ (989′) on 260° 080° LT 2730′ (1969′)

STRAIGHT-IN LANDING RWY **26L**

PANS OPS

	ILS DA(H) 961′ (200′) FULL	ILS DA(H) 961′ (200′) ALS out	LOC (GS out)	NDB MDA(H) 1240′ (479′)	NDB MDA(H) 1240′ (479′) ALS out
A	800m	1200m	NOT AUTHORIZED	1600m	2400m
B					
C					
D				2000m	

CHANGES: MSA. Procedure bearings. Minimums.

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USSS/SVX KOLTSOVO

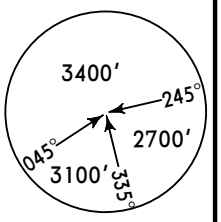
JEPPESEN 12 DEC 08 Eff 18 Dec (11-3)

YEKATERINBURG, RUSSIA ILS or 2 NDB Rwy 26R

BRIEFING STRIP ™

ATIS	KOLTSOVO Approach (R)	KOLTSOVO Radar	KOLTSOVO Tower	Ground
127.8	125.9	118.7	120.0	119.0

LOC IKU 110.5	Final Apch Crs 256°	GS LOM 1517′ (754′)	ILS DA(H) Refer to Minimums	Apt Elev 764′
NDB KU 370		Minimum Alt LOM 1650′ (887′)	NDB MDA(H) 1200′ (437′)	RWY 763′



MSA D Lctr

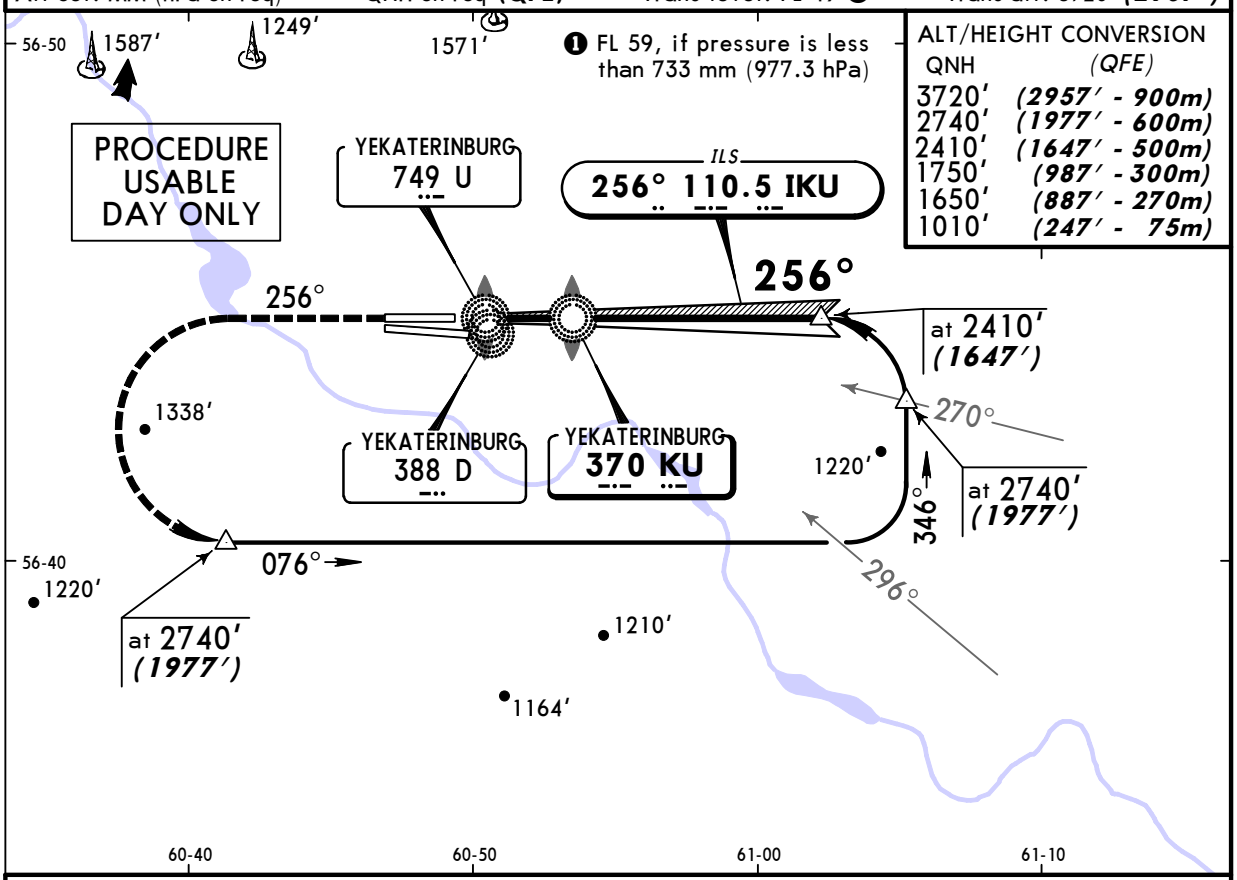
MISSED APCH: Climb on 256° to 1750′ (987′), then turn LEFT onto 076° climbing to 2740′ (1977′), then according to chart.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 49 ❶ Trans alt: 3720′ (2957′)

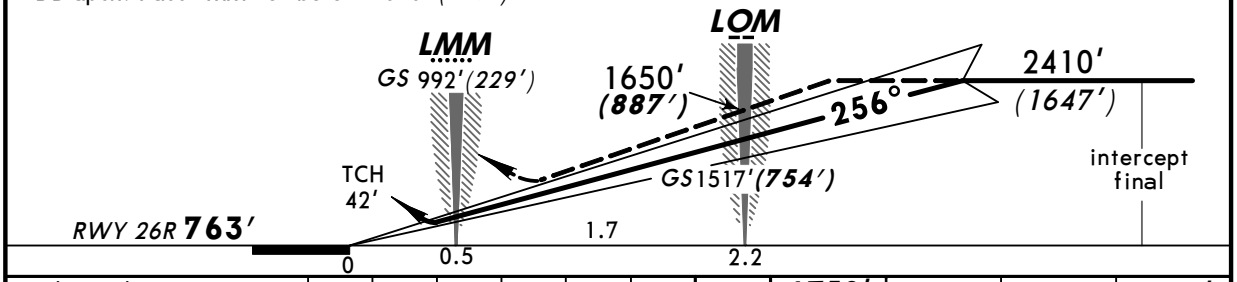
❶ FL 59, if pressure is less than 733 mm (977.3 hPa)

ALT/HEIGHT CONVERSION

QNH	(QFE)
3720′	(2957′ - 900m)
2740′	(1977′ - 600m)
2410′	(1647′ - 500m)
1750′	(987′ - 300m)
1650′	(887′ - 270m)
1010′	(247′ - 75m)



NDB apch: Pass LMM not below 1010′ (247′).



Gnd speed-Kts		70	90	100	120	140	160
ILS GS	3.00°	377	484	538	646	753	861
NDB Descent Gradient	6.1%	432	556	618	741	865	988

1750′ (987′) on 256° | 076° LT | 2740′ (1977′)

STRAIGHT-IN LANDING RWY 26R

ILS	LOC (GS out)	NDB
DA(H) A: 968′ (205′) C: 981′ (218′) B: 974′ (211′) D: 991′ (228′)		MDA(H) 1200′ (437′)

PANS OPS

A	1200m	NOT AUTHORIZED	2100m
B			
C			
D			2400m

CHANGES: None.

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USSS/SVX KOLTSOVO

JEPPESEN 12 DEC 08 (12-1) Eff 18 Dec

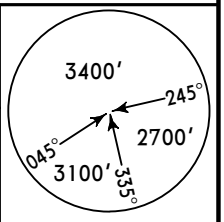
YEKATERINBURG, RUSSIA RNAV (GNSS) Rwy 26L

BRIEFING STRIP ™

ATIS	KOLTSOVO Approach (R)	KOLTSOVO Radar	KOLTSOVO Tower	Ground
127.8	125.9	118.7	120.0	119.0

RNAV	Final Apch Crs	Minimum Alt SS414	MDA(H)	Apt Elev / RWY
	260°	2410′(1649′)	1260′(499′)	Apt Elev 764′ / RWY 761′

MISSED APCH: Climb STRAIGHT AHEAD on track 260° to SS416, then turn LEFT climbing to 2730′ (1969′), then proceed via SS419 to SS412, then according to chart or as directed.

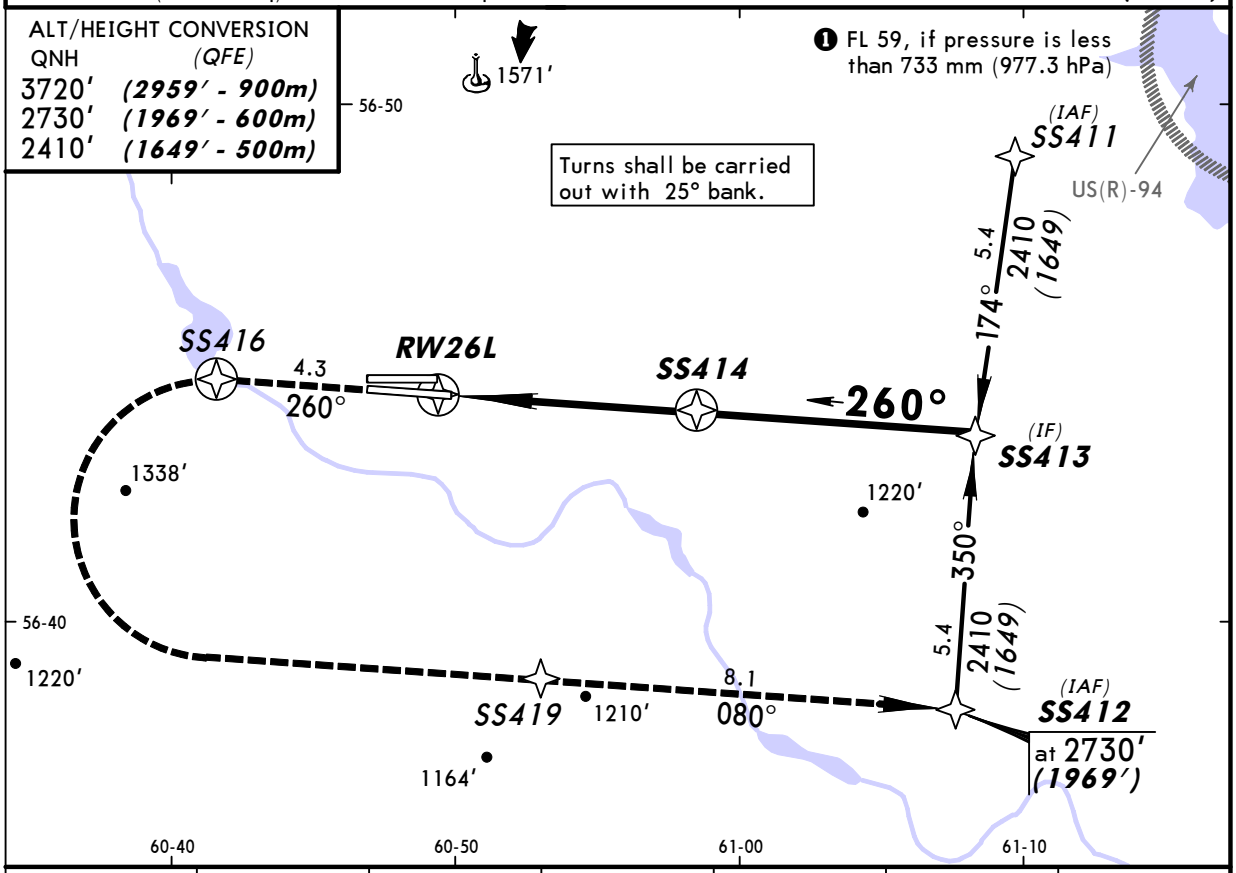


MSA ARP

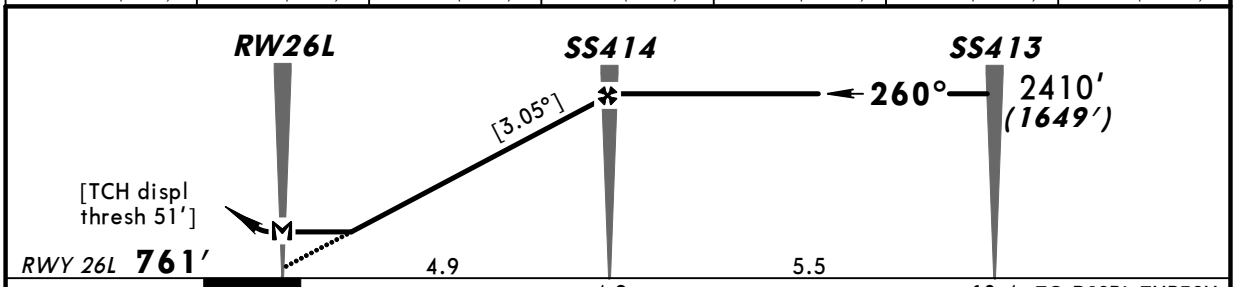
Alt Set: MM (hPa on req) | QNH on req (QFE) | Trans level: FL 49 ❶ | Trans alt: 3720′ (2959′)

ALT/HEIGHT CONVERSION

QNH	(QFE)
3720′	(2959′ - 900m)
2730′	(1969′ - 600m)
2410′	(1649′ - 500m)



DIST to RW26L	1.6	2.2	2.7	3.2	3.8	4.3
ALTITUDE (HAT)	1340′ (579′)	1500′ (739′)	1670′ (909′)	1850′ (1089′)	2010′ (1249′)	2190′ (1429′)



Gnd speed-Kts	70	90	100	120	140	160
Descent angle [3.05°]	378	486	540	648	755	863
MAP at RW26L						

HIALS
PAPI

SS416 on 260°

STRAIGHT-IN LANDING RWY 26L

MDA(H) 1260′(499′)

PANS OPS

		ALS out
A	800m	1600m
B		
C	1200m	2000m
D	1600m	2400m

CHANGES: New procedure.

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USSS/SVX KOLTSOVO

JEPPESEN 12 DEC 08 (12-2) Eff 18 Dec

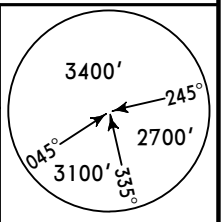
YEKATERINBURG, RUSSIA RNAV (GNSS) Rwy 26R

BRIEFING STRIP ™

ATIS	KOLTSOVO Approach (R)	KOLTSOVO Radar	KOLTSOVO Tower	Ground
127.8	125.9	118.7	120.0	119.0

RNAV	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev / RWY
	256°	SS314 2410′(1647′)	1260′(497′)	Apt Elev 764′ RWY 763′

MISSED APCH: Climb STRAIGHT AHEAD on track 256° to SS316, then turn LEFT climbing to 2740′ (1977′), then proceed via SS319 to SS312, then according to chart or as directed.

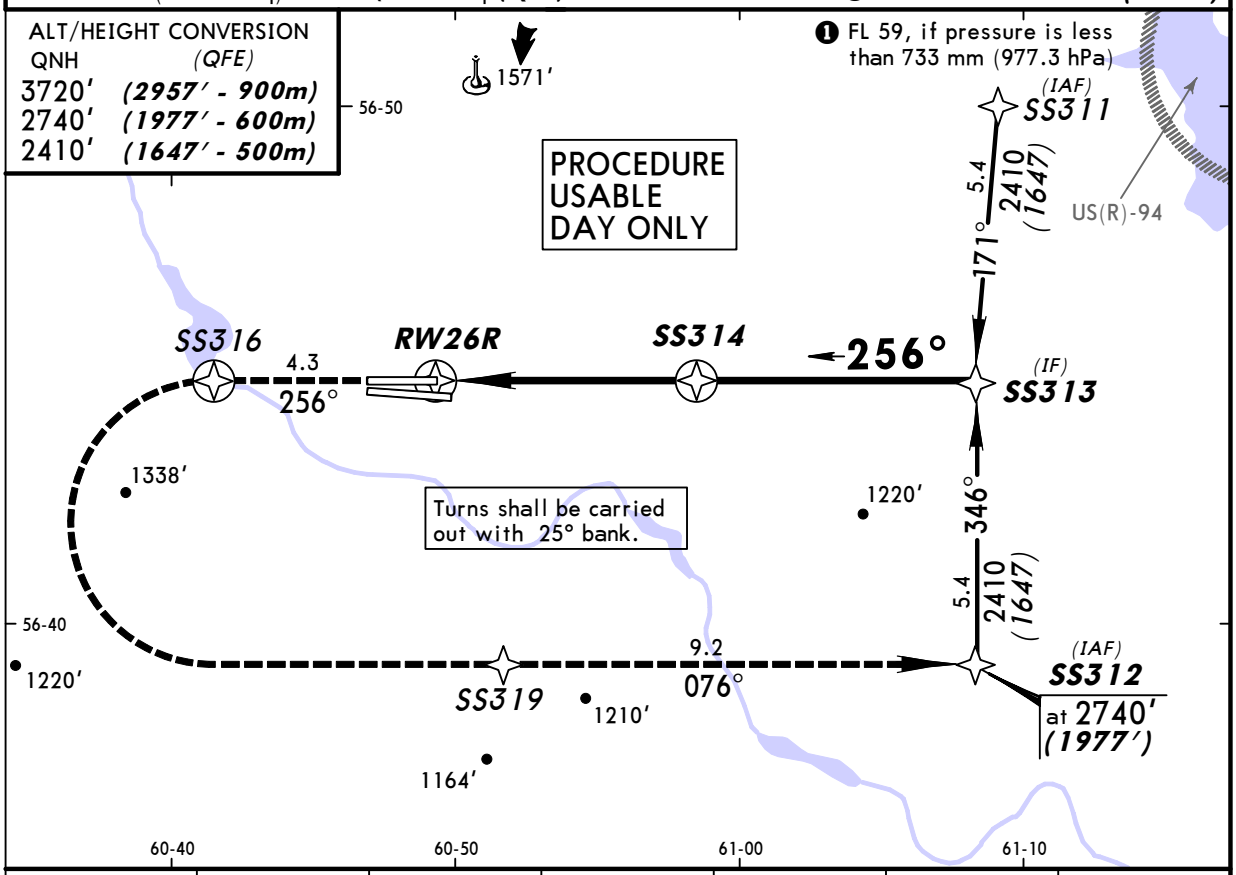


MSA ARP

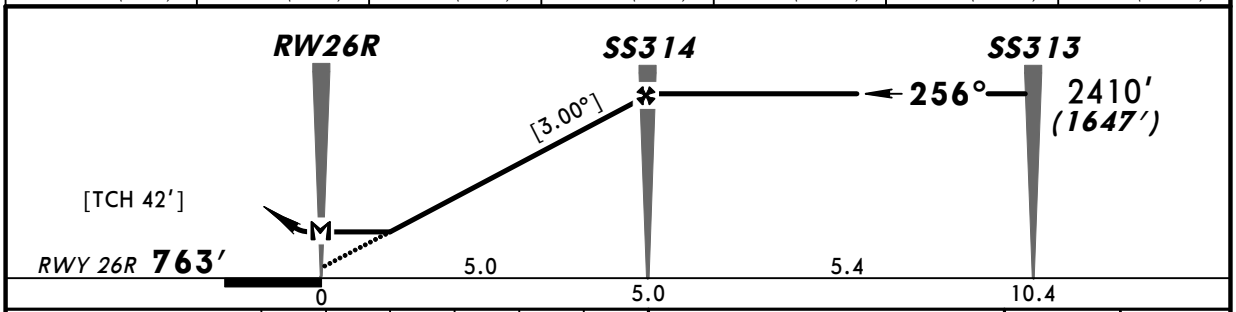
Alt Set: MM (hPa on req) | QNH on req (QFE) | Trans level: FL 49 ❶ | Trans alt: 3720′ (2957′)

ALT/HEIGHT CONVERSION

QNH	(QFE)
3720′	(2957′ - 900m)
2740′	(1977′ - 600m)
2410′	(1647′ - 500m)



DIST to RW26R	1.6	2.2	2.7	3.2	3.8	4.3
ALTITUDE (HAT)	1340′ (577′)	1510′ (747′)	1670′ (907′)	1850′ (1087′)	2010′ (1247′)	2200′ (1437′)



Gnd speed-Kts	70	90	100	120	140	160
Descent angle [3.00°]	372	478	531	637	743	849
MAP at RW26R						

SS316 on 256°

STRAIGHT-IN LANDING RWY **26R**

MDA(H) 1260′ (497′)

PANS OPS

A	1600m
B	
C	2000m
D	2400m

CHANGES: New procedure.

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USSS/SVX KOLTSOVO

JEPPESEN 12 DEC 08 (16-1) Eff 18 Dec

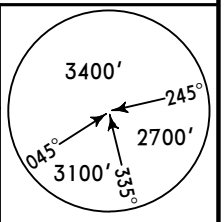
YEKATERINBURG, RUSSIA
2 NDB Rwy 08L

BRIEFING STRIP ™

ATIS	KOLTSOVO Approach (R)	KOLTSOVO Radar	KOLTSOVO Tower	Ground
127.8	125.9	118.7	120.0	119.0

NDB	Final Apch Crs	Minimum Alt	MDA(H)	Apt Elev 764'
KO 370	076°	LOM 1550'(812')	1080'(342')	RWY 738'

MISSED APCH: Climb on 076° to 1730'(992'), then turn RIGHT onto 256° climbing to 2710'(1972'), then according to chart.



MSA D Lctr

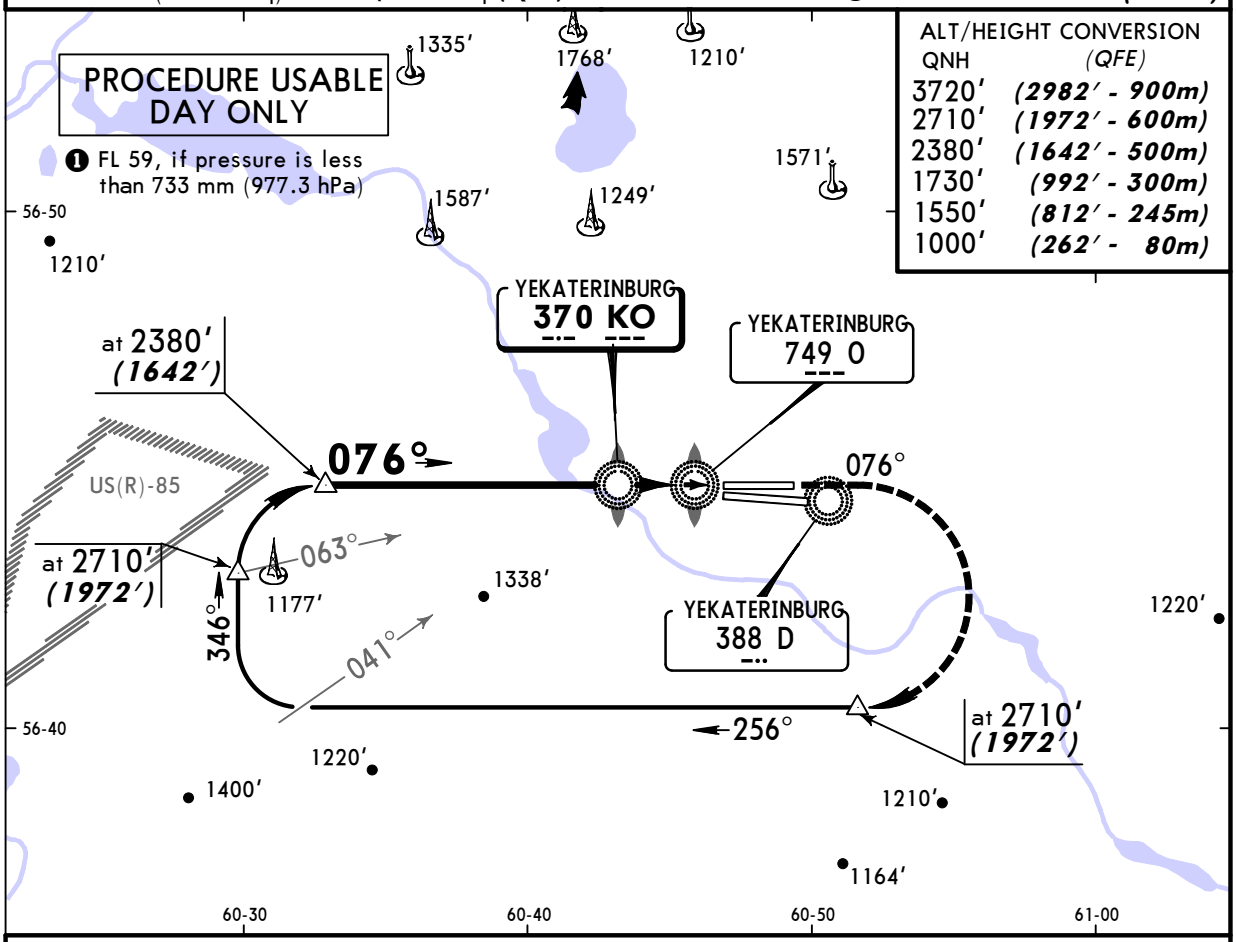
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 49 ❶ Trans alt: 3720' (2982')

PROCEDURE USABLE DAY ONLY

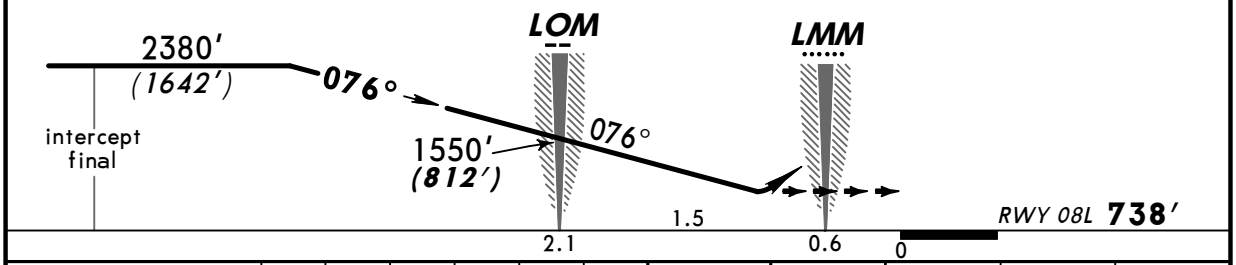
❶ FL 59, if pressure is less than 733 mm (977.3 hPa)

ALT/HEIGHT CONVERSION

QNH	(QFE)
3720'	(2982' - 900m)
2710'	(1972' - 600m)
2380'	(1642' - 500m)
1730'	(992' - 300m)
1550'	(812' - 245m)
1000'	(262' - 80m)



Pass LMM not below 1000' (262').



Gnd speed-Kts	70	90	100	120	140	160
Descent Gradient 5.8%	411	529	587	705	822	940

1730' (992') on 076° | 256° RT | 2710' (1972')

STRAIGHT-IN LANDING RWY 08L

MDA(H) 1080'(342')

PANS OPS

A	1600m
B	
C	
D	2000m

CHANGES: None.

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