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Airport Information For UUOL

Terminal Charts For UUOL

Revision Letter For Cycle 13-2016

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Notebook

General Information

Location: LIPETSK RUS
ICAO/IATA: UUOL / LPK
Lat/Long: N52° 42.20', E039° 32.27'
Elevation: 587 ft

Airport Use: Public
Daylight Savings: Not Observed
UTC Conversion: -3:00 = UTC
Magnetic Variation: 10.0° E

Fuel Types: Jet A-1
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0057 Z
Sunset: 1749 Z

Runway Information

Runway: 15
Length x Width: 7195 ft x 157 ft
Surface Type: concrete
TDZ-Elev: 584 ft
Lighting: Edge, ALS

Runway: 33
Length x Width: 7195 ft x 157 ft
Surface Type: concrete
TDZ-Elev: 582 ft
Lighting: Edge, ALS

Communication Information

Lipetsk Tower: 124.000 Secondary Non-English
Lipetsk Tower: 126.300
Lipetsk Transit Operations: 127.400 Non-English

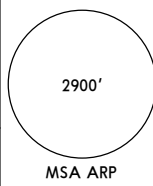
UUOL/LPK
LIPETSK

JEPPESSEN
2 OCT 15 **(10-2)** **Eff 15 Oct**

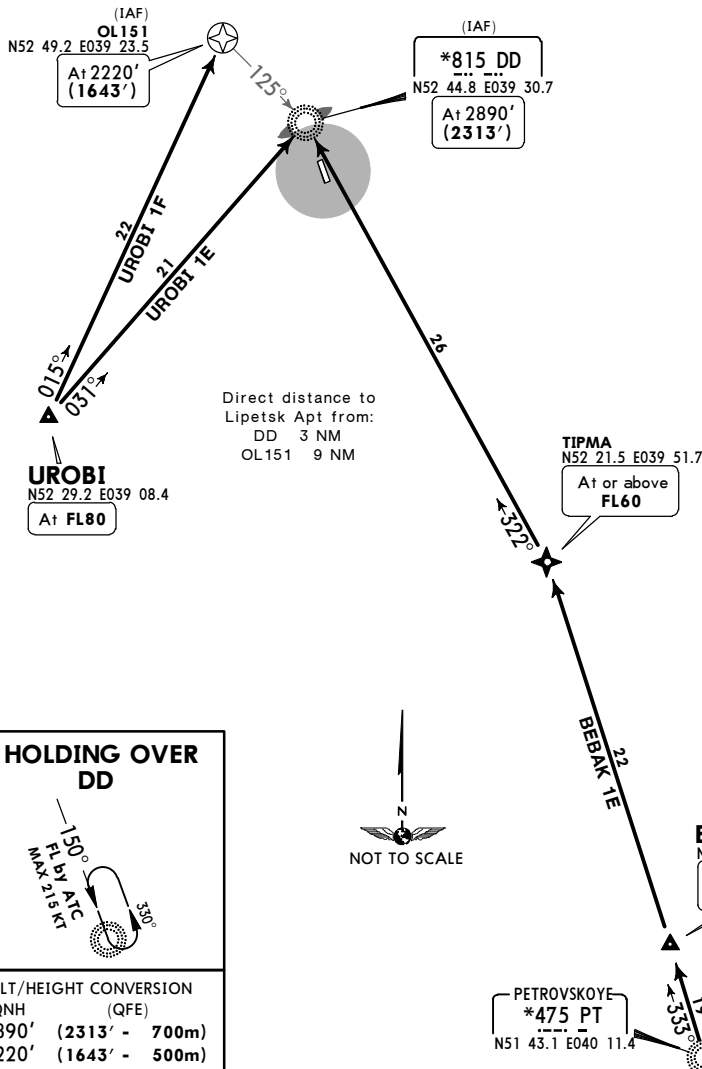
LIPETSK, RUSSIA
RNAV STAR

Apt Elev
587'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' **(2313')**
RNAV (GNSS)



**BEBAK ONE ECHO (BEBAK 1E) [BEBA1E]
UROBI ONE ECHO (UROBI 1E) [UROB1E]
UROBI ONE FOXTROT (UROBI 1F) [UROB1F]
RWY 15 RNAV ARRIVALS**



**HOLDING OVER
DD**



ALT/HEIGHT CONVERSION
QNH (QFE)
2890' (2313' - 700m)
2220' (1643' - 500m)

STAR

ROUTING

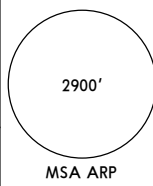
BEBAK 1E By ATC	PT - BEBAK (FL200-; FL60+) - TIPMA (FL60+) - DD (2890').
UROBI 1E	UROBI (FL80) - DD (2890').
UROBI 1F	UROBI (FL80) - OL151 (2220').

UUOL/LPK
LIPETSK

JEPPESSEN
2 OCT 15 **(10-2A)** **Eff 15 Oct**

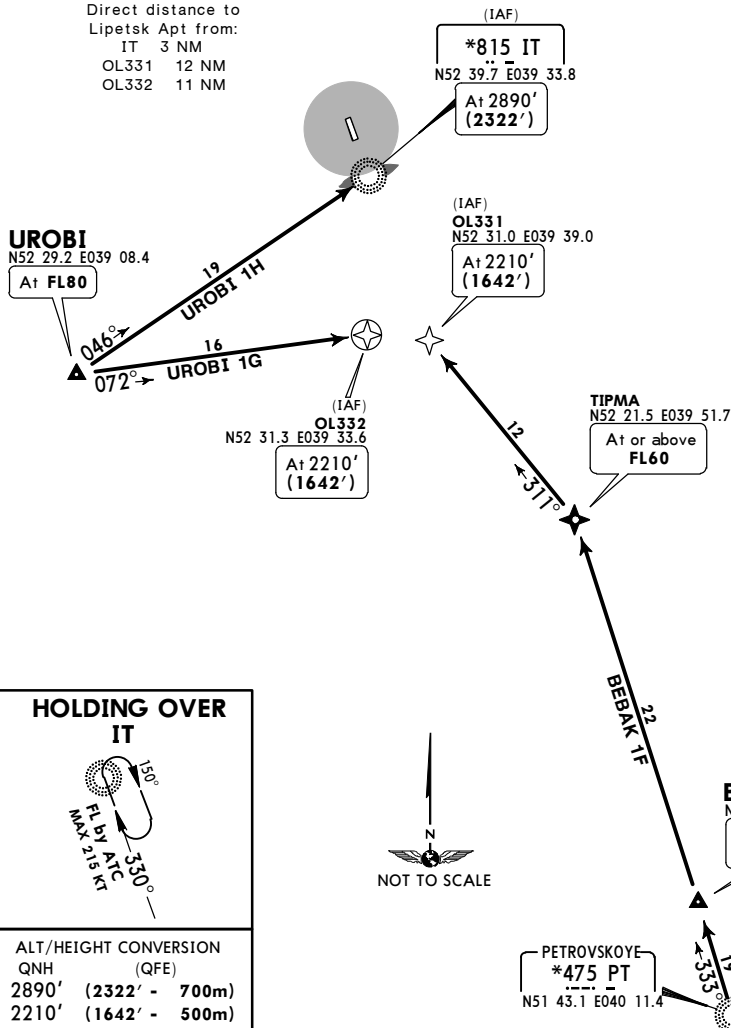
LIPETSK, RUSSIA
RNAV STAR

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2322')
RNAV (GNSS)



**BEBAK ONE FOXTROT (BEBAK 1F) [BEBA1F]
UROBI ONE GOLF (UROBI 1G) [UROB1G]
UROBI ONE HOTEL (UROBI 1H) [UROB1H]
RWY 33 RNAV ARRIVALS**

Direct distance to
Lipetsk Apt from:
IT 3 NM
OL331 12 NM
OL332 11 NM



**HOLDING OVER
IT**



ALT/HEIGHT CONVERSION
QNH (QFE)
2890' (2322' - 700m)
2210' (1642' - 500m)

STAR

ROUTING

BEBAK 1F By ATC	PT - BEBAK (FL200-; FL60+) - TIPMA (FL60+) - OL331 (2210').
UROBI 1G	UROBI (FL80) - OL332 (2210').
UROBI 1H	UROBI (FL80) - IT (2890').

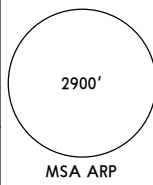
UUOL/LPK
LIPETSK

 **JEPPESSEN**
2 OCT 15 **(10-2B)** **Eff 15 Oct**

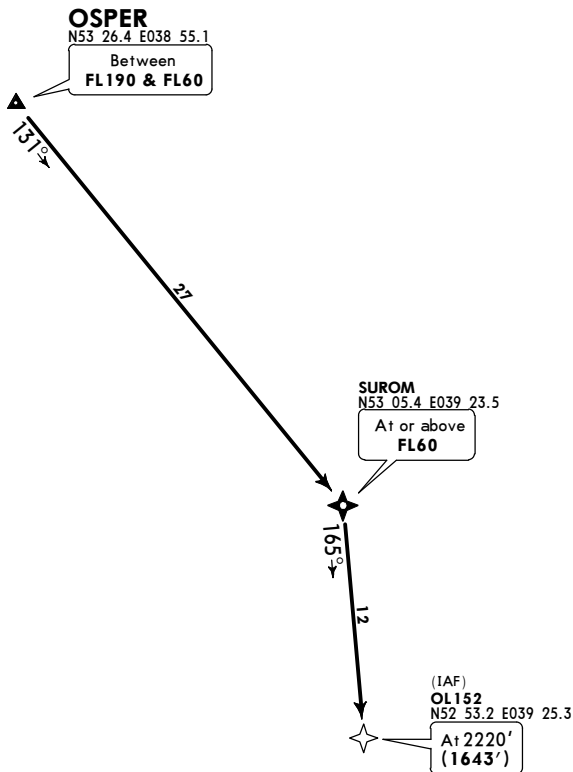
LIPETSK, RUSSIA
RNAV STAR

Apt Elev
587'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (**2313'**)
RNAV (GNSS)



**OSPER ONE ECHO (OSPER 1E) [OSPE1E]
RWY 15 RNAV ARRIVAL**



ALT/HEIGHT CONVERSION
QNH (QFE)
2890' (2313' - 700m)
2220' (1643' - 500m)

ROUTING

OSPER (FL190-; FL60+) - SUROM (FL60+) - OL152 (2220').

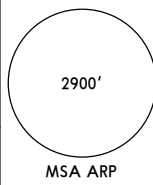
UUOL/LPK
LIPETSK

 **JEPPESSEN**
2 OCT 15 **(10-2C)** **Eff 15 Oct**

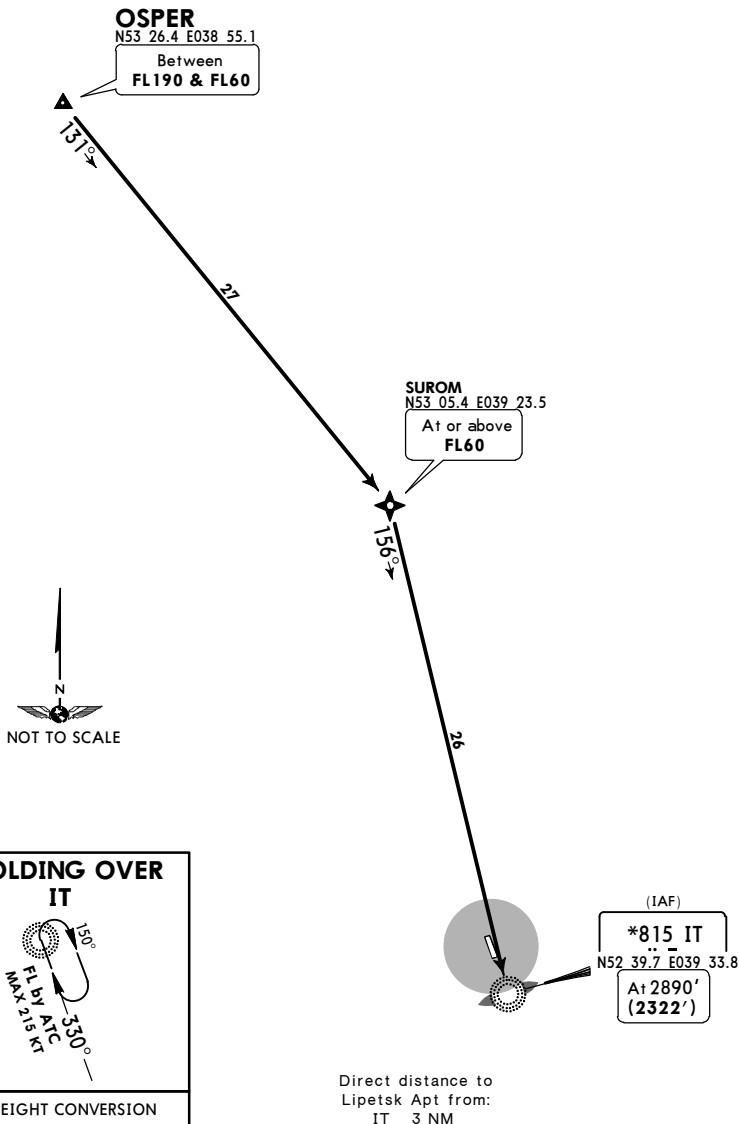
LIPETSK, RUSSIA
RNAV STAR

Apt Elev
587'

Alt Set: MM (hPa on request) QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' **(2322')**
RNAV (GNSS)



OSPER ONE FOXTROT (OSPER 1F) [OSPE1F] RWY 33 RNAV ARRIVAL



ROUTING

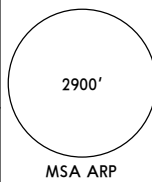
OSPER (FL190-; FL60+) - SUROM (FL60+) - IT (2890').

UUOL/LPK
LIPETSK

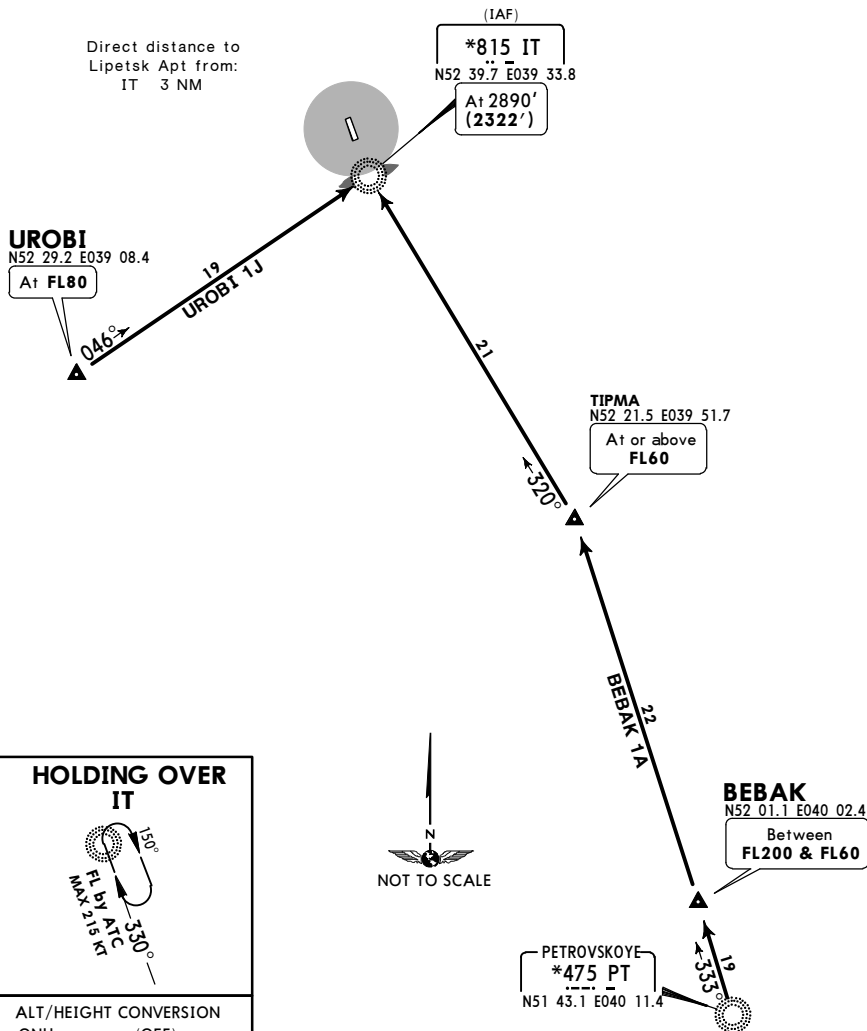
 **JEPPESSEN**
2 OCT 15 **(10-2D)** **Eff 15 Oct**

LIPETSK, RUSSIA
STAR

Apt Elev 587'	Alt Set: MM (hPa on request) QNH on request (QFE)
	Trans level: FL50
	FL60 if pressure is less than 743 mm (990.6 hPa)
	FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2322')	



**BEBAK ONE ALFA (BEBAK 1A) [BEBA1A]
UROBI ONE JULIET (UROBI 1J) [UROB1J]
RWY 33 ARRIVALS**



STAR

ROUTING

BEBAK 1A

On 333° bearing from PT to TIPMA, 320° bearing to IT.

UROBI 1J

On 046° bearing to IT.

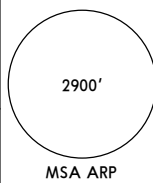
UUOL/LPK
LIPETSK

JEPPESEN
2 OCT 15 **(10-2E)** **Eff 15 Oct**

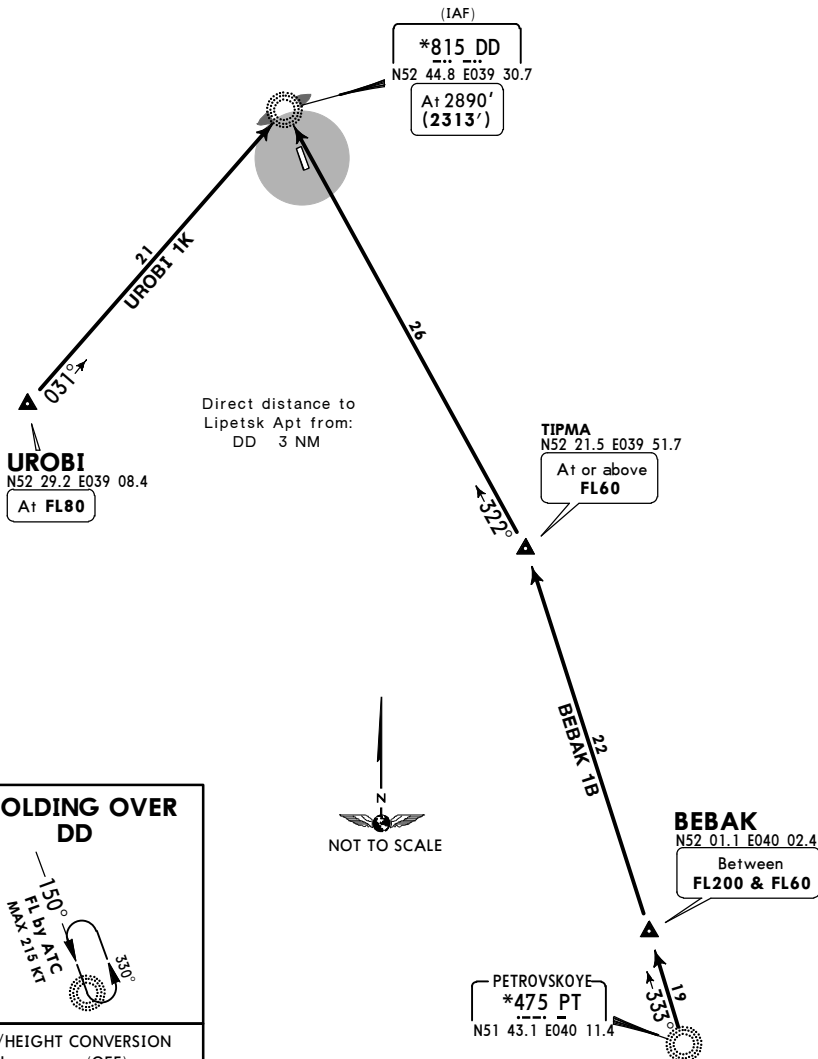
LIPETSK, RUSSIA
STAR

Apt Elev
587'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (**2313'**)



**BEBAK ONE BRAVO (BEBAK 1B) [BEBA1B]
UROBI ONE KILO (UROBI 1K) [UROB1K]
RWY 15 ARRIVALS**



**HOLDING OVER
DD**



ALT/HEIGHT CONVERSION
QNH (QFE)
2890' (**2313' - 700m**)

STAR

ROUTING

BEBAK 1B

On 333° bearing from PT to TIPMA, 322° bearing to DD.

UROBI 1K

On 031° bearing to DD.

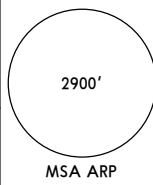
UUOL/LPK
LIPETSK

 **JEPPESSEN**
2 OCT 15 **(10-2F)** **Eff 15 Oct**

LIPETSK, RUSSIA
STAR

Apt Elev
587'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (**2322'**)



OSPER ONE DELTA (OSPER 1D) [OSPE1D] RWY 33 ARRIVAL


MURAVLYANKA
1025 US
N53 44.7 E038 29.8

311°

OSPER
N53 26.4 E038 55.1
Between
FL190 & FL60

131°

27

SUROM
N53 05.4 E039 23.5
At or above
FL60

156°

26



Direct distance to
Lipetsk Apt from:
IT 3 NM

HOLDING OVER IT



ALT/HEIGHT CONVERSION
QNH (QFE)
2890' (**2322' - 700m**)

(IAF)
***815 IT**
N52 39.7 E039 33.8
At 2890'
(2322')

ROUTING

On 131° bearing from US to SUROM, 156° bearing to IT.

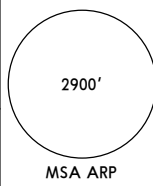
UUOL/LPK
LIPETSK

JEPPesen
2 OCT 15 (10-2G) Eff 15 Oct

LIPETSK, RUSSIA
STAR

Apt Elev
587'

Alt Set: MM (hPa on request) QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2313')



OSPER ONE GOLF (OSPER 1G) [OSPE1G] RWY 15 ARRIVAL

MURAVLYANKA
1025 US
N53 44.7 E038 29.8

311°

OSPER
N53 26.4 E038 55.1
Between
FL190 & FL60

131°

27

SUROM
N53 05.4 E039 23.5
At or above
FL60

158°

21



Direct distance to
Lipetsk Apt from:
DD 3 NM

HOLDING OVER DD



ALT/HEIGHT CONVERSION
QNH (QFE)
2890' (2313' - 700m)

(IAF)
*815 DD
N52 44.8 E039 30.7
At 2890' (2313')

ROUTING

On 131° bearing from US to SUROM, 158° bearing to DD.

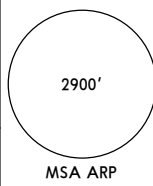
UUOL/LPK
LIPETSK

 **JEPPESSEN**
2 OCT 15 **(10-3)** **Eff 15 Oct**

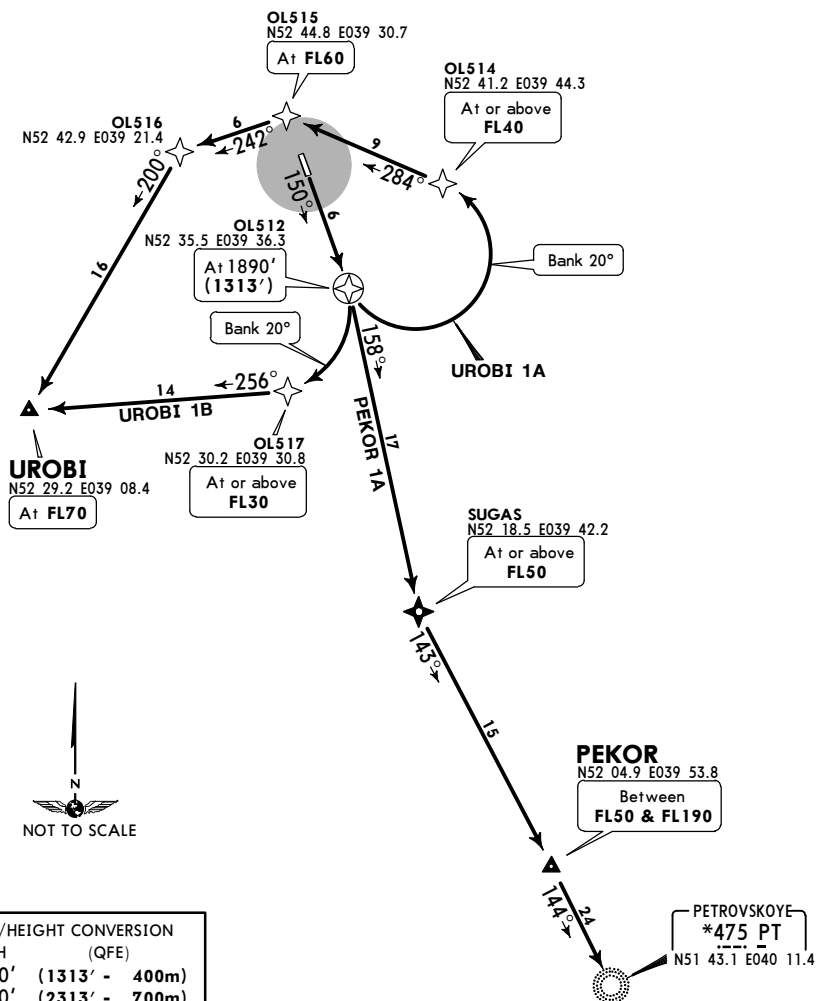
LIPETSK, RUSSIA
RNAV SID

Apt Elev
587'

QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' **(2313')**
RNAV (GNSS)



PEKOR ONE ALFA (PEKOR 1A) [PEKO1A]
UROBI ONE ALFA (UROBI 1A) [UROB1A]
UROBI ONE BRAVO (UROBI 1B) [UROB1B]
RWY 15 RNAV DEPARTURES



ALT/HEIGHT CONVERSION
QNH (QFE)
1890' (1313' - 400m)
2890' (2313' - 700m)

SID	ROUTING
PEKOR 1A By ATC	DER15 - OL512 (1890') - SUGAS (FL50+) - PEKOR (FL50+; FL190-) - PT.
UROBI 1A	DER15 - OL512 (1890') - OL514 (FL40+) - OL515 (FL60) - OL516 - UROBI (FL70).
UROBI 1B By ATC	DER15 - OL512 (1890') - OL517 (FL30+) - UROBI (FL70).

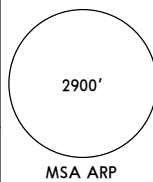
UUOL/LPK
LIPETSK

JEPPESEN
2 OCT 15 **(10-3A)** Eff 15 Oct

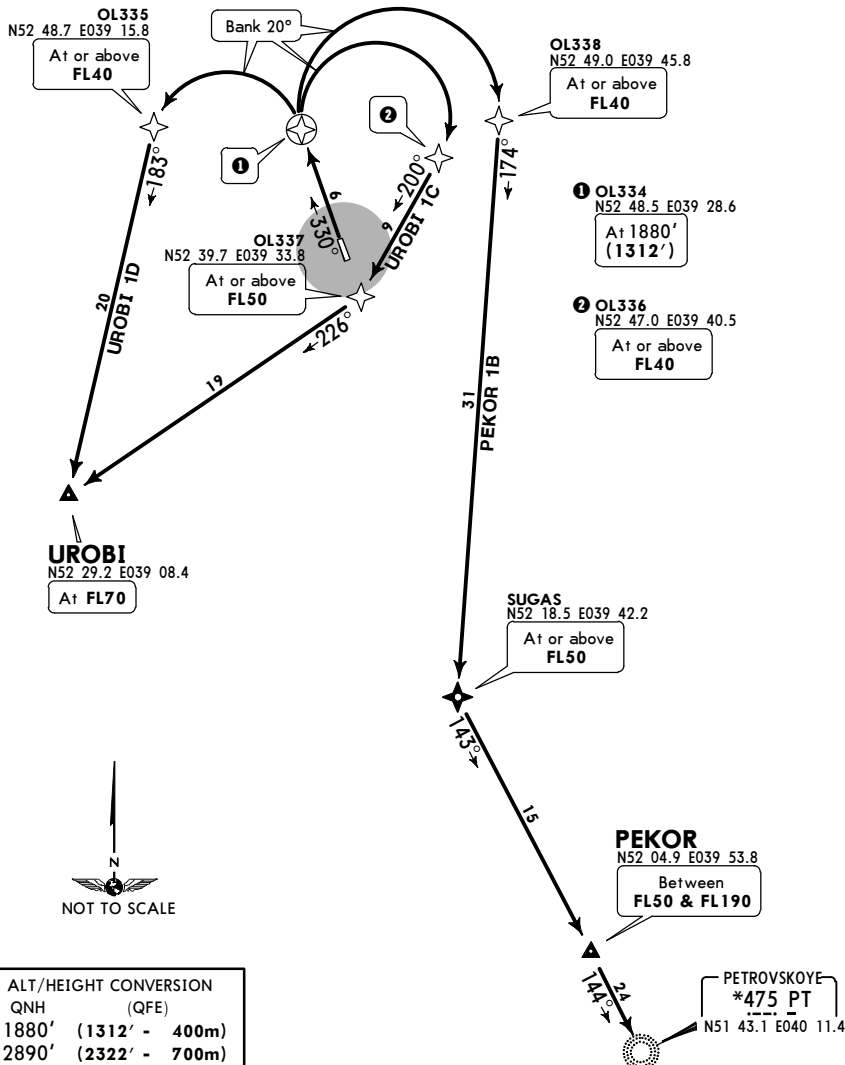
LIPETSK, RUSSIA
RNAV SID

Apt Elev
587'

QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2322')
RNAV (GNSS)



**PEKOR ONE BRAVO (PEKOR 1B) [PEKO1B]
UROBI ONE CHARLIE (UROBI 1C) [UROB1C]
UROBI ONE DELTA (UROBI 1D) [UROB1D]
RWY 33 RNAV DEPARTURES**



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1880'	(1312' - 400m)
2890'	(2322' - 700m)

SID	ROUTING
PEKOR 1B By ATC	DER33 - OL334 (1880') - OL338 (FL40+) - SUGAS (FL50+) - PEKOR (FL50+; FL190-) - PT.
UROBI 1C	DER33 - OL334 (1880') - OL336 (FL40+) - OL337 (FL50+) - UROBI (FL70).
UROBI 1D By ATC	DER33 - OL334 (1880') - OL335 (FL40+) - UROBI (FL70).

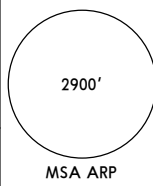
UUOL/LPK
LIPETSK

JEPPESSEN
2 OCT 15 (10-3B) Eff 15 Oct

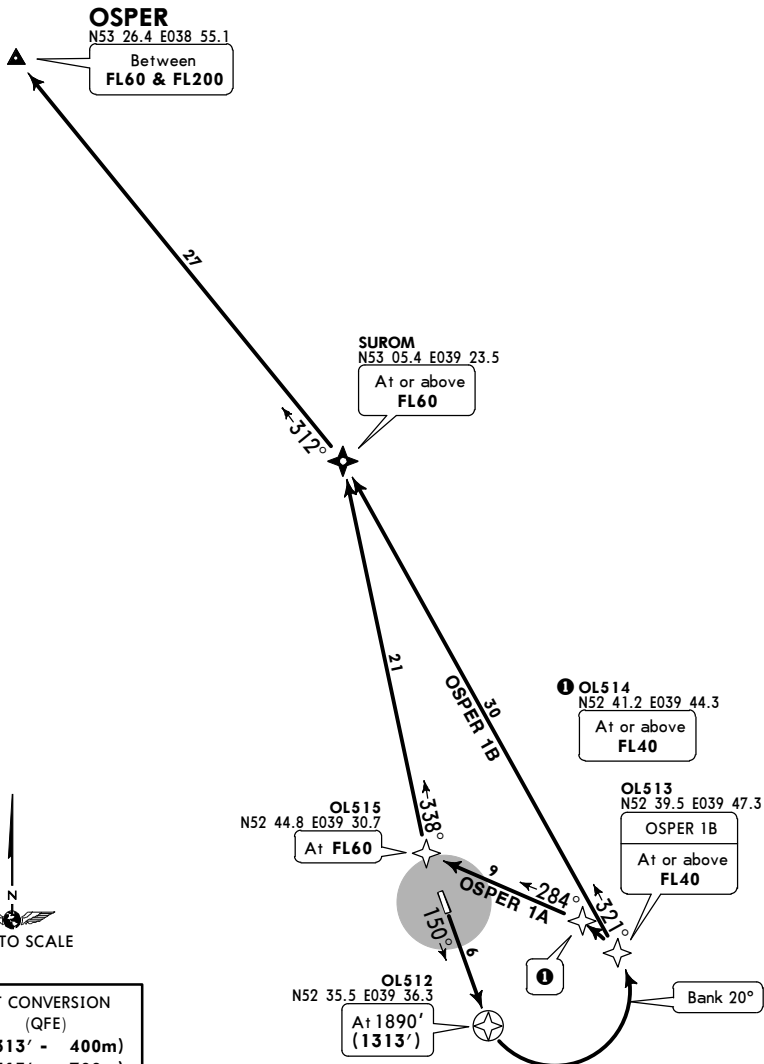
LIPETSK, RUSSIA
RNAV SID

Apt Elev
587'

QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2313')
RNAV (GNSS)



OSPER ONE ALFA (OSPER 1A) [OSPE1A]
OSPER ONE BRAVO (OSPER 1B) [OSPE1B]
RWY 15 RNAV DEPARTURES



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1890' (1313' - 400m)	
2890' (2313' - 700m)	

SID	ROUTING
OSPER 1A	DER15 - OL512 (1890') - OL514 (FL40+) - OL515 (FL60) - SUROM (FL60+) - OSPER (FL60+; FL200-).
OSPER 1B By ATC	DER15 - OL512 (1890') - OL513 (FL40+) - SUROM (FL60+) - OSPER (FL60+; FL200-).

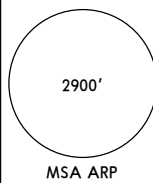
UUOL/LPK
LIPETSK

JEPPESSEN
2 OCT 15 (10-3C) Eff 15 Oct

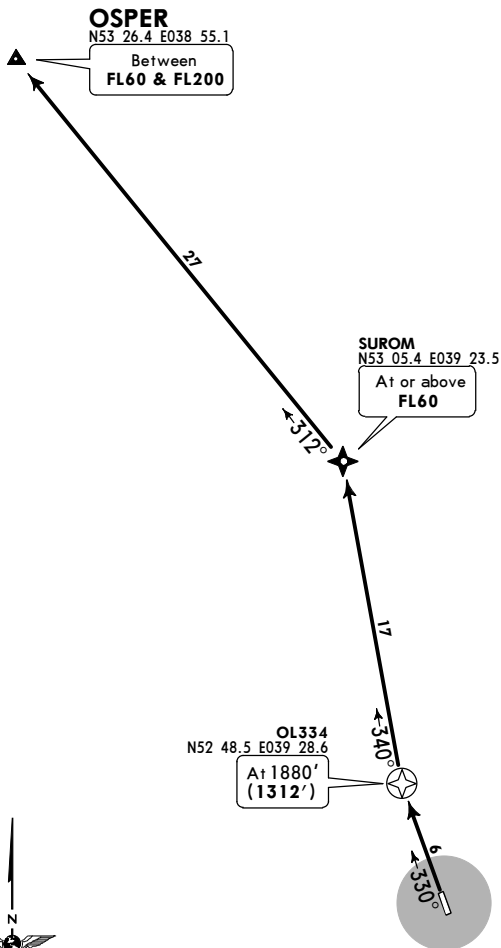
LIPETSK, RUSSIA
RNAV SID

Apt Elev
587'

QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2322')
RNAV (GNSS)



OSPER ONE CHARLIE (OSPER 1C) [OSPE1C]
RWY 33 RNAV DEPARTURE



ALT/HEIGHT CONVERSION
QNH (QFE)
1880' (1312' - 400m)
2890' (2322' - 700m)

ROUTING

DER33 - OL334 (1880') - SUROM (FL60+) - OSPER (FL60+; FL200-).

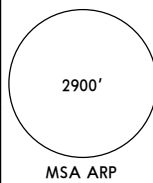
UUOL/LPK
LIPETSK

 **JEPPESSEN**
2 OCT 15 **(10-3D)** **Eff 15 Oct**

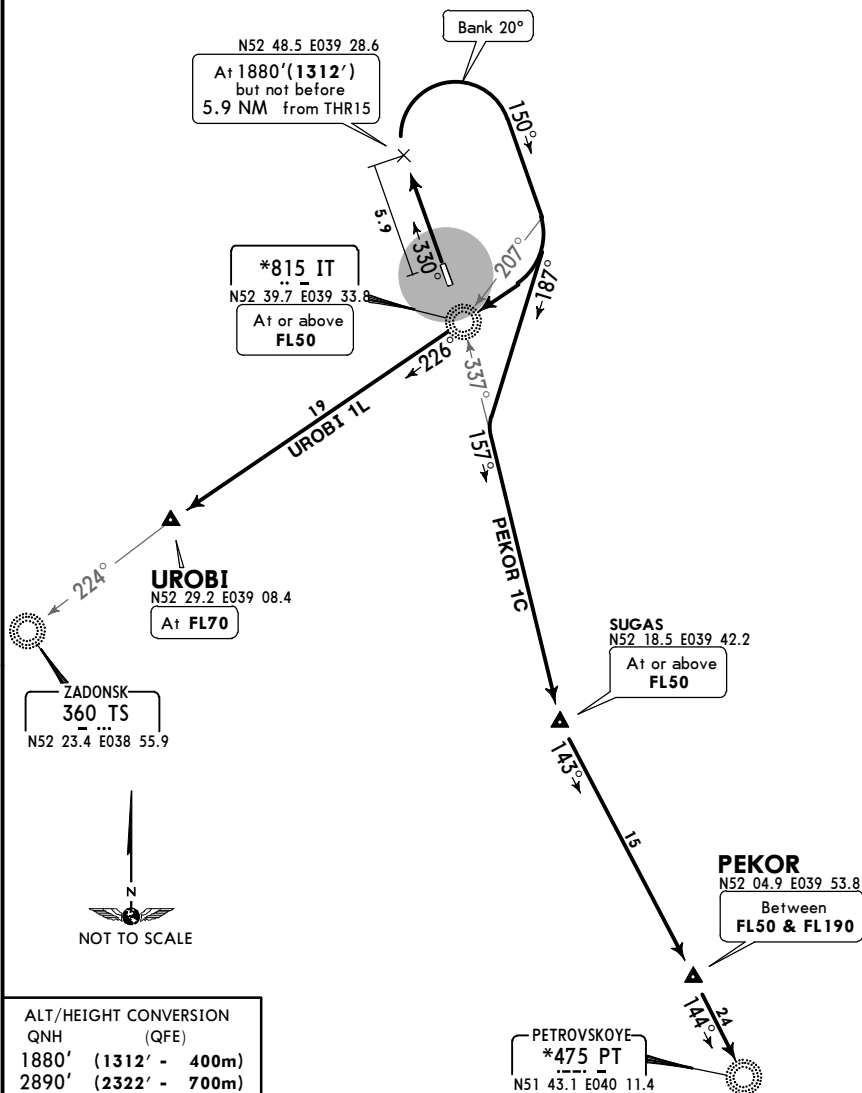
LIPETSK, RUSSIA
SID

Apt Elev
587'

QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' **(2322')**



**PEKOR ONE CHARLIE (PEKOR 1C) [PEKO1C]
UROBI ONE LIMA (UROBI 1L) [UROB1L]
RWY 33 DEPARTURES**



ALT/HEIGHT CONVERSION
QNH (QFE)
1880' (1312' - 400m)
2890' (2322' - 700m)

SID	ROUTING
PEKOR 1C	Climb on 330° track to 1880' (1312'), turn RIGHT, 150° track, when passing 207° bearing to IT turn RIGHT, 187° track, intercept 157° bearing from IT to SUGAS, intercept 143° bearing to PT to PEKOR.
UROBI 1L	Climb on 330° track to 1880' (1312'), turn RIGHT, 150° track, when passing 207° bearing to IT turn RIGHT to IT, 226° bearing to UROBI.

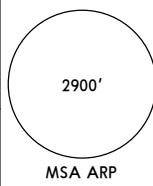
UUOL/LPK
LIPETSK

 **JEPPESSEN**
2 OCT 15 **(10-3E)** **Eff 15 Oct**

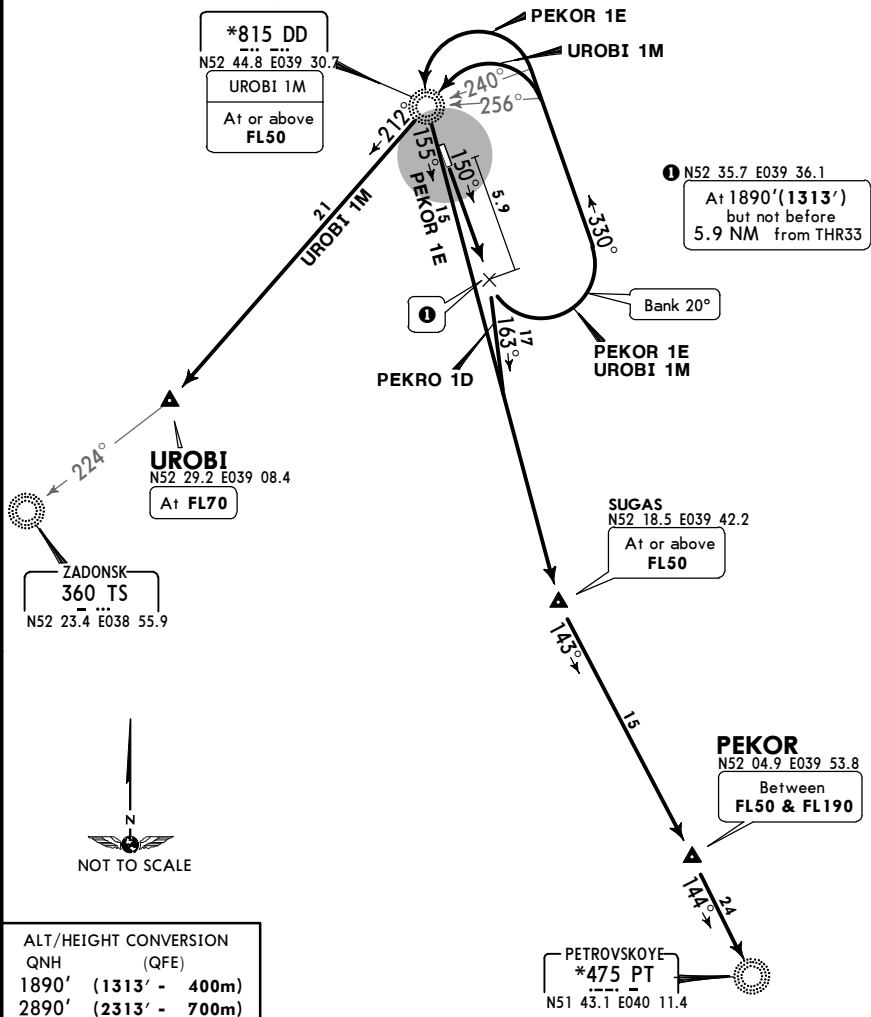
LIPETSK, RUSSIA
SID

Apt Elev
587'

QNH on request **(QFE)**
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' **(2313')**



**PEKOR ONE DELTA (PEKOR 1D) [PEKO1D]
PEKOR ONE ECHO (PEKOR 1E) [PEKO1E]
UROBI ONE MIKE (UROBI 1M) [UROB1M]
RWY 15 DEPARTURES**



ALT/HEIGHT CONVERSION	
QNH	(QFE)
1890' (1313' - 400m)	
2890' (2313' - 700m)	

SID	ROUTING
PEKOR 1D	Climb on 150° track to 1890' (1313'), turn RIGHT, 163° track, turn LEFT, intercept 155° bearing from DD to SUGAS, intercept 143° bearing to PT to PEKOR.
PEKOR 1E	Climb on 150° track to 1890' (1313'), turn LEFT, 330° track, when passing 240° bearing to DD turn LEFT to DD, 155° bearing to SUGAS, intercept 143° bearing to PT to PEKOR.
UROBI 1M	Climb on 150° track to 1890' (1313'), turn LEFT, 330° track, when passing 256° bearing to DD turn LEFT to DD, 212° bearing to UROBI.

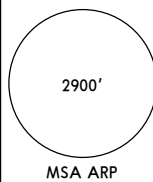
UUOL/LPK
LIPETSK

JEPPESSEN
2 OCT 15 (10-3F) Eff 15 Oct

LIPETSK, RUSSIA
SID

Apt Elev
587'

QNH on request (QFE)
Trans level: FL50
FL60 if pressure is less than 743 mm (990.6 hPa)
FL70 if pressure is less than 716 mm (954.6 hPa)
Trans alt: 2890' (2322')



OSPER ONE HOTEL (OSPER 1H) [OSPE1H] RWY 33 DEPARTURE

MURAVLYANKA
1025 US
N53 44.7 E038 29.8

OSPER
N53 26.4 E038 55.1
Between
FL60 & FL200

SUROM
N53 05.4 E039 23.5
(311° brg to US)
At or above
FL60

N52 48.5 E039 28.6
At 1880' (1312')
but not before
5.9 NM from THR15

*815 IT
N52 39.7 E039 33.8
At or above
FL50



ALT/HEIGHT CONVERSION
QNH (QFE)
1880' (1312' - 400m)
2890' (2322' - 700m)

ROUTING

Climb on 330° track to 1880' (1312'), turn RIGHT, 150° track, when passing 240° bearing to IT turn RIGHT to IT, 337° bearing to SUROM, 312° track US to OSPER.

UUOL/LPK
LIPETSK

 **JEPPesen**
2 OCT 15 **(10-3G)** **Eff 15 Oct**

LIPETSK, RUSSIA
SID

Apt Elev
587'

QNH on request (QFE)

Trans level: FL50

FL60 if pressure is less than 743 mm (990.6 hPa)

FL70 if pressure is less than 716 mm (954.6 hPa)

Trans alt: 2890' (**2313'**)

2900'

MSA ARP

**OSPER ONE JULIET (OSPER 1J) [OSPE1J]
RWY 15 DEPARTURE**



MURAVLYANKA

1025 US

N53 44.7 E038 29.8

OSPER

N53 26.4 E038 55.1

Between

FL60 & FL200



27

312°

SUROM

N53 05.4 E039 23.5

(311° brg to US)

At or above

FL60

312°

338°

158°

166°

296°

256°

At FL50

330°

***815 DD**

N52 44.8 E039 30.7

150°

5.9

N52 35.7 E039 36.1

At 1890' (**1313'**)

but not before

5.9 NM from THR33

Bank 20°



NOT TO SCALE

ALT/HEIGHT CONVERSION

QNH (QFE)

1890' (1313' - 400m)

2890' (2313' - 700m)

ROUTING

Climb on 150° track to 1890' (1313'), turn LEFT, 330° track, when passing 256° bearing to DD turn LEFT, 296° track, intercept 158° bearing from DD to SUROM, 312° track to OSPER.

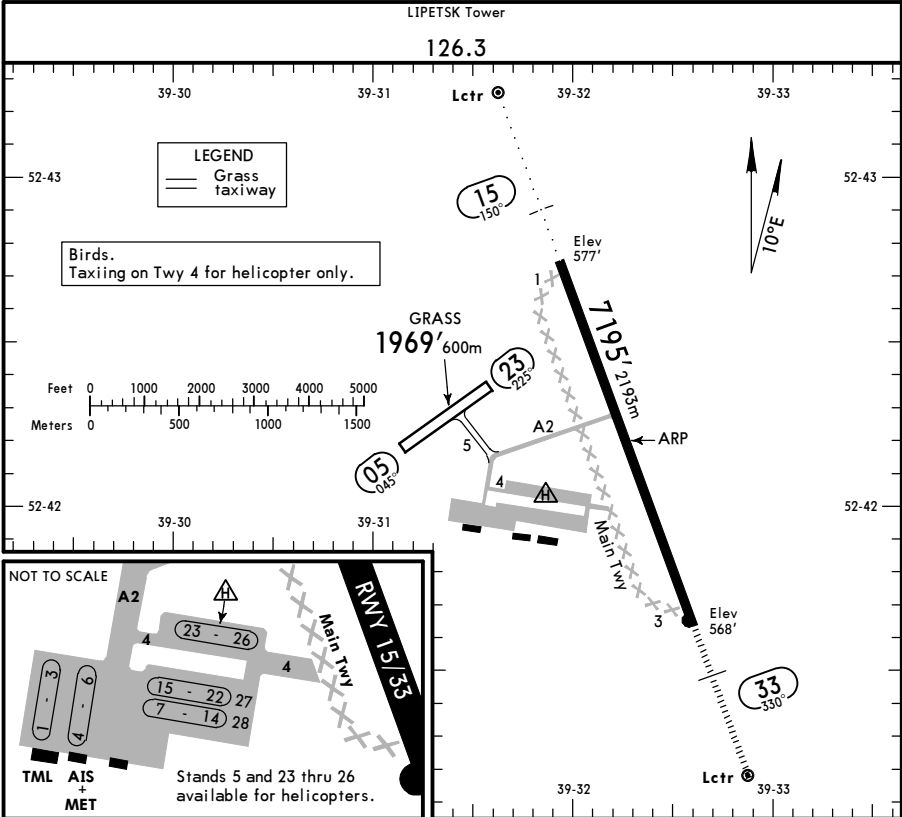
CHANGES: New procedure at this airport.

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UUOL/LPK
Apt Elev **587'**
N52 42.2 E039 32.3

JEPPESSEN
2 OCT 15 **(10-9)** Eff 15 Oct

LIPETSK, RUSSIA
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ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		Threshold	Glide Slope		
05					197' 60m
23					
15	RL (60m) ALS PAPI-L (angle 3.0°)			①	148' 45m
	33 RL (60m) HIALS PAPI-L (angle 3.0°)		6284' 1915m		

① TAKE-OFF RUN AVAILABLE

RWY 15:

From rwy head 7195' (2193m)
twy A2 int 3740' (1140m)

RWY 33:

From rwy head 7195' (2193m)
twy A2 int 3445' (1050m)

TAKE-OFF

AIR CARRIER (JAA)

RWY 15/33

LVP must be in force

RCLM (DAY only)
or RL

RCLM (DAY only)
or RL

A		
B	250m	400m
C		
D	300m	

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STRAIGHT-IN RWY		A	B	C	D
15	2 NDB ①	930'(353') R1400m	930'(353') R1400m	930'(353') R1400m	930'(353') R1400m
	ALS out	R1500m	R1500m	R1600m	R1600m
	DD NDB or D Lctr ①②	930'(353') R1400m	930'(353') R1400m	930'(353') R1400m	930'(353') R1400m
	ALS out	R1500m	R1500m	R1600m	R1600m
	DD NDB ③	1320'(743') C3500m	1320'(743') C3500m	1320'(743') C3700m	1320'(743') C3700m
	ALS out	C3700m	C3700m	C3900m	C3900m
	D Lctr ①③	1030'(453') R1900m	1030'(453') R1900m	1030'(453') R1900m	1030'(453') R1900m
	ALS out	C2100m	C2100m	C2100m	C2100m
	33	ILS	768'(200')	768'(200')	768'(200')
		FULL	R550m	R550m	R550m
	Limited	R750m	R750m	R750m	R750m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT	NOT	NOT	NOT
		AUTH	AUTH	AUTH	AUTH
	2 NDB or IT NDB ①②	920'(352') R900m	920'(352') R900m	920'(352') R900m	920'(352') R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
	2 NDB or IT NDB ③	1490'(922') C3800m	1490'(922') C3800m	1490'(922') C4000m	1490'(922') C4000m
	ALS out	C4500m	C4500m	C4700m	C4700m
	I Lctr ①②	920'(352') R900m	920'(352') R900m	920'(352') R900m	920'(352') R900m
	ALS out	R1500m	R1500m	R1600m	R1600m
	I Lctr ③	1290'(722') C2900m	1290'(722') C2900m	1290'(722') C3100m	1290'(722') C3100m
	ALS out	C3600m	C3600m	C3800m	C3800m

① Continuous Descent Final Approach.

② With FAF.

③ W/o FAF.

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
to rwy 15 ④	1000'(423')	1080'(503')	2160'(1583')	2160'(1583')
to rwy 33 ⑤	990'(422') V1500m⑥	1070'(502') V1600m⑥	2150'(1582') V2400m⑥	2150'(1582') V3600m⑥

④ Circling height based on rwy 15 thresh elev of 577'.

⑤ Circling height based on rwy 33 thresh elev of 568'.

⑥ or higher minimums of preceding straight-in approach.

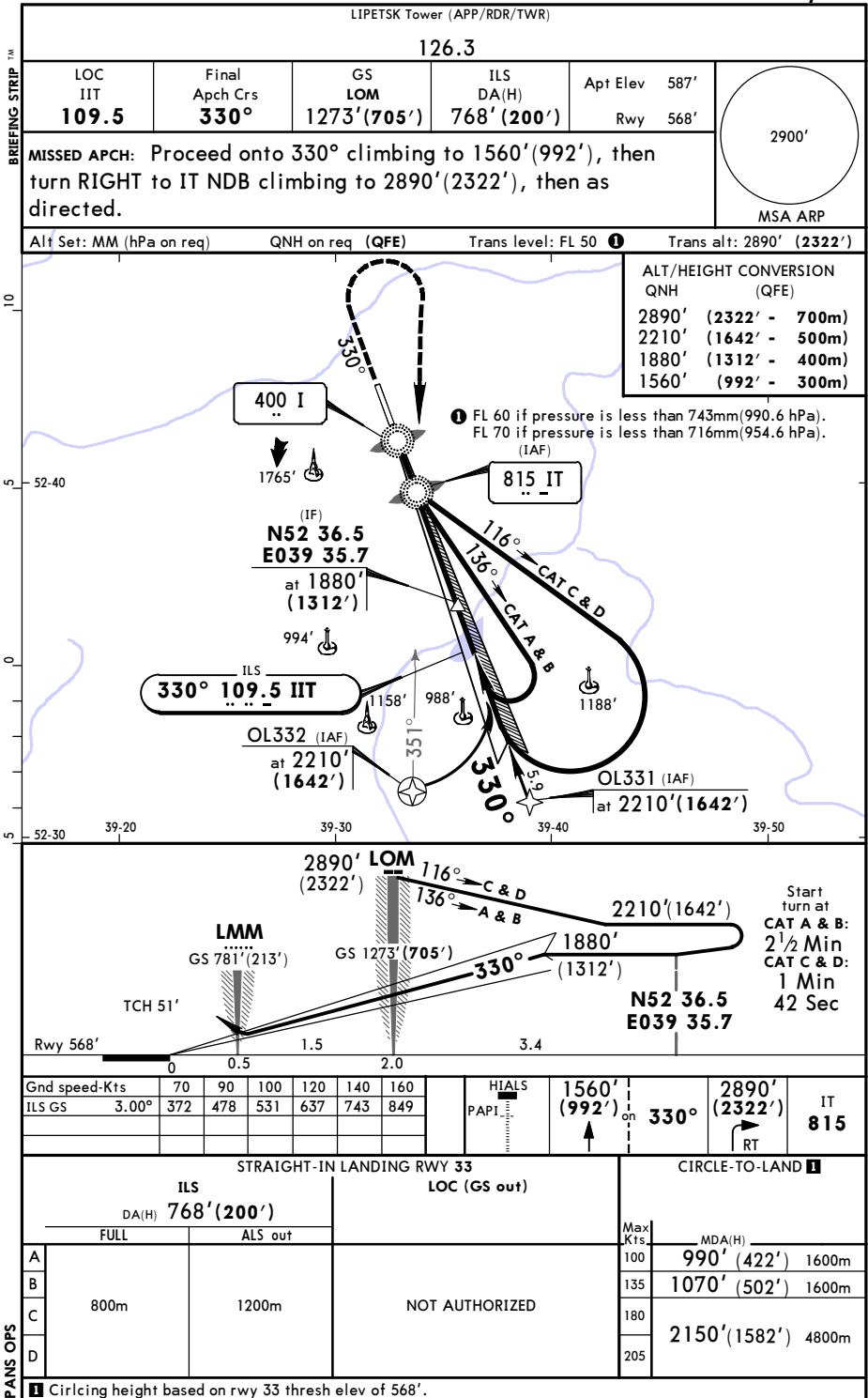
TAKE-OFF RWY 15, 33

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

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2 OCT 15 11-1 Eff 15 Oct

LIPETSK, RUSSIA
ILS Rwy 33



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LIPETSK

JEPPesen
2 OCT 15
Eff 15 Oct 16-1

LIPETSK, RUSSIA
2 NDB or NDB Rwy 15

LIPETSK Tower (APP/RDR/TWR)

126.3

NDB
DD
815

Final
Apch Crs
150°

Minimum Alt
RADAR FIX
2220' (1643')

MDA(H)
Refer to chart
16-3

Apt Elev 587'
Rwy 577'

2900'

MSA ARP

MISSED APCH: Proceed onto 150° climbing to 1570' (993'), then turn LEFT to DD NDB climbing to 2890' (2313'), then as directed.

Alt Set: MM (hPa on req)

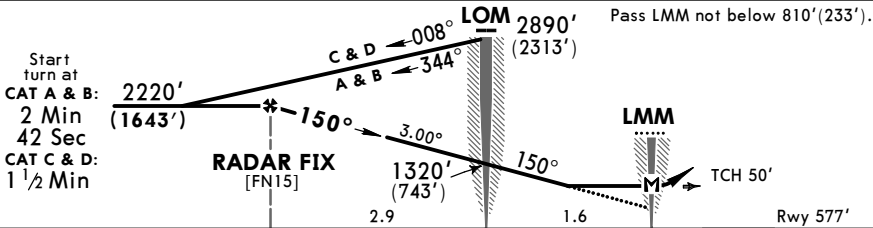
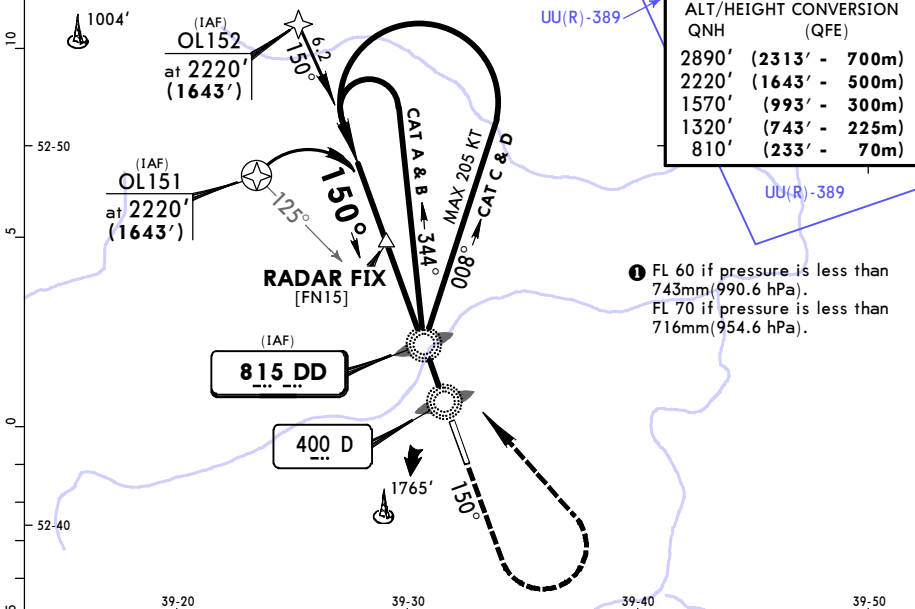
QNH on req (QFE)

Trans level: FL 50 ①

Trans alt: 2890' (2313')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2890'	(2313' - 700m)
2220'	(1643' - 500m)
1570'	(993' - 300m)
1320'	(743' - 225m)
810'	(233' - 70m)

① FL 60 if pressure is less than 743mm(990.6 hPa).
FL 70 if pressure is less than 716mm(954.6 hPa).



Gnd speed-Kts	70	90	100	120	140	160	ALS	1570' (993')	2890' (2313')	DD 815
Descent Angle 3.00°	372	478	531	637	743	849	PAPI	150°	150°	
MAP at LMM or LOM to MAP	1.6	1:22	1:04	0:58	0:48	0:41	0:36			

FOR LANDING MINIMUMS SEE 16-3

UUOL/LPK
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JEPPesen
2 OCT 15
Eff 15 Oct 16-2

LIPETSK, RUSSIA
2 NDB or NDB Rwy 33

LIPETSK Tower (APP/RDR/TWR)

126.3

NDB
IT
815

Final
ApcH Crs
330°

Minimum Alt
RADAR FIX
2210' (1642')

MDA(H)
Refer to chart
16-3

Apt Elev 587'
Rwy 568'

2900'

MSA ARP

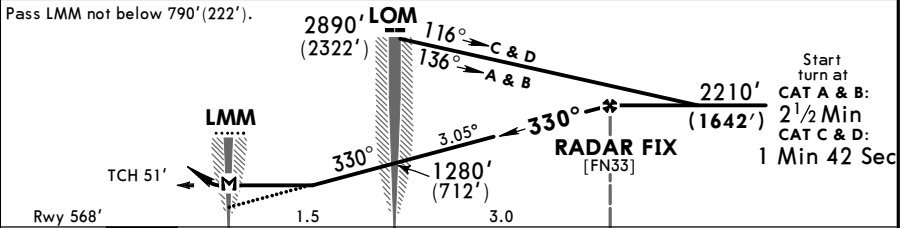
MISSED APCH: Proceed onto 330° climbing to 1560' (992'), then turn RIGHT to IT NDB climbing to 2890' (2322'), then as directed.

Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 50 1 Trans alt: 2890' (2322')

ALT/HEIGHT CONVERSION	
QNH	(QFE)
2890'	(2322' - 700m)
2210'	(1642' - 500m)
1560'	(992' - 300m)
1280'	(712' - 215m)
790'	(222' - 65m)

1 FL 60 if pressure is less than 743mm(990.6 hPa).
FL 70 if pressure is less than 716mm(954.6 hPa).

Pass LMM not below 790' (222').



Gnd speed-Kts	70	90	100	120	140	160	HIALS		1560' (992')	2890' (2322')	IT 815
Descent Angle 3.05°	378	486	540	648	755	863	PAP		↑	330°	RT
MAP at LMM or LOM to MAP	1.5	1:17	1:00	0:54	0:45	0:39					

FOR LANDING MINIMUMS SEE 16-3

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 **JEPPESSEN**
2 OCT 15 **(16-3)** **Eff 15 Oct**

LIPETSK, RUSSIA
LIPETSK

LANDING MINIMUMS						
2 NDB			STRAIGHT-IN LANDING RWY 15			
MDA(H) 910'(333')			with FAF MDA(H) 930'(353')		DD NDB w/o FAF MDA(H) 1320'(743')	
ALS out			ALS out		ALS out	
A	1600m		1600m		1600m	
B					2000m	
C					3600m	
D					4000m	
STRAIGHT-IN LANDING RWY 15 D Lctr					CIRCLE-TO-LAND ¹	
with FAF MDA(H) 880'(303')			w/o FAF MDA(H) 1030'(453')		Max Kts	MDA(H)
ALS out			ALS out			
A	1600m		1600m		100	1000' (423') ² 1600m
B					135	1080' (503') ³ 1600m
C					180	2160'(1583') 4800m
D					205	
¹ Circling height based on rwy 15 thresh elev of 577'. ² After DD NDB apch w/o FAF: MDA(H) 1320'(743'). After D Lctr apch w/o FAF: MDA(H) 1030'(453'). ³ After DD NDB apch w/o FAF: MDA(H) 1320'(743'), VIS 2000m.						
2 NDB with FAF MDA(H) 880'(312')			STRAIGHT-IN LANDING RWY 33 IT NDB with FAF MDA(H) 890'(322')		2 NDB or IT NDB w/o FAF MDA(H) 1490'(922')	
ALS out			ALS out		ALS out	
A	1200m	1600m	1200m	1600m	1200m 2000m	
B					3600m 4400m	
C					4400m 4800m	
D					1600m 1600m	
STRAIGHT-IN LANDING RWY 33 I Lctr					CIRCLE-TO-LAND ⁴	
with FAF MDA(H) 870'(302')			w/o FAF MDA(H) 1290'(722')		Max Kts	MDA(H)
ALS out			ALS out			
A	1200m	1600m	1200m	1600m	100	990' (422') ⁵ 1600m
B					135	1070' (502') ⁵ 1600m
C			2400m	3200m	180	2150'(1582') 4800m
D			3200m	3600m	205	
⁴ Circling height based on rwy 33 thresh elev of 568'. ⁵ After 2NDB apch w/o FAF or IT NDB apch w/o FAF: MDA(H) 1490'(922'), VIS 2000m. After I Lctr apch w/o FAF: MDA(H) 1290'(722').						

PAIS OPS

Chart changes since cycle 12-2016

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
LIPETSK, (LIPETSK - UUOL)				

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UUOL