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Airport Information For UKDE

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Revision Letter For Cycle 13-2016

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Notebook

General Information

Location: ZAPORIZHZHIA UKR
ICAO/IATA: UKDE / OZH
Lat/Long: N47° 52.03', E035° 18.90'
Elevation: 373 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: -2:00 = UTC
Magnetic Variation: 7.0° E

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

Sunrise: 0139 Z
Sunset: 1741 Z

Runway Information

Runway: 02
Length x Width: 8202 ft x 138 ft
Surface Type: concrete
TDZ-Elev: 339 ft
Lighting: Edge, ALS

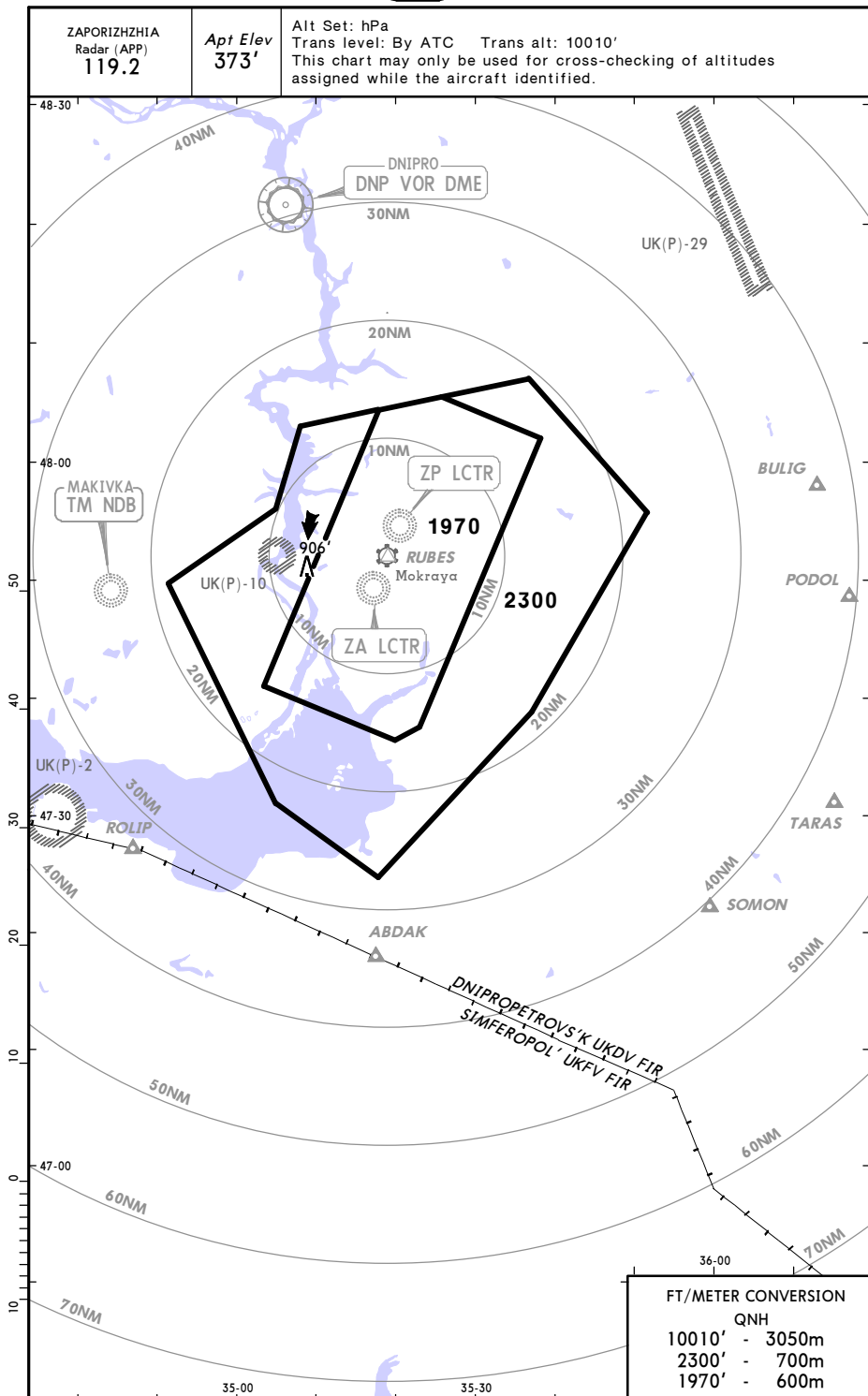
Runway: 20
Length x Width: 8202 ft x 138 ft
Surface Type: concrete
TDZ-Elev: 373 ft
Lighting: Edge, ALS

Communication Information

Zaporizhzhia Tower: 118.200
Zaporizhzhia Radar Approach: 119.200

UKDE/OZH
MOKRAYA

JEPPESEN ZAPORIZHZHIA, UKRAINE
12 SEP 14 (10-1R) Eff 18 Sep 14 RADAR MINIMUM ALTITUDES



CHANGES: New chart.

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NOT TO SCALE

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JEPPESSEN

ZAPORIZHZHIA, UKRAINE

10 JUL 15

10-3

Eff 23 Jul

SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'

1. EXPECT close-in obstacles.

2. Flights over the city are prohibited due to noise abatement.

2000'

MSA
ZA NDB

BULIG SEVEN ALFA (BULIG 7A) [BULI7A]
DNIPRO SEVEN ALFA (DNP 7A)
SOMON SEVEN ALFA (SOMON 7A) [SOMO7A]
RWY 02 DEPARTURES



R 150°

DNIPRO
D (H) 112.5 DNP
N48 21.6 E035 06.2
At or above
8040'

D 18.8 DNP
Between
4930' & 6070'

FT/METER CONVERSION

QNH

1970' - 600m

4930' - 1500m

6070' - 1850m

7060' - 2150m

8040' - 2450m

10010' - 3050m



NOT TO SCALE

At 1970'



295 ZA
N47 49.3 E035 17.2

BULIG
N47 58.0 E036 13.0

At or above
7060'

41.6
BULIG 7A

19.4
SOMON 7A

SOMON
N47 22.2 E035 59.5

At or above
FL110

DNP 7A

This SID requires a minimum climb gradient
of
6.0% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
6.0% V/V(fpm)	456	608	911	1215	1519	1823

If unable advice ATC.

SID

ROUTING

BULIG 7A

Climb on 016° track to 1970', turn RIGHT, 128° track, when passing 243° bearing to ZA, turn LEFT, intercept 070° bearing from ZA to BULIG.

DNP 7A

Climb on 016° track to 1970', turn LEFT, intercept DNP R-150 inbound to DNP.

SOMON 7A

Climb on 016° track to 1970', turn RIGHT, 128° track, intercept DNP R-142 to SOMON.

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10 JUL 15

10-3A

Eff 23 Jul

ZAPORIZHZHIA, UKRAINE

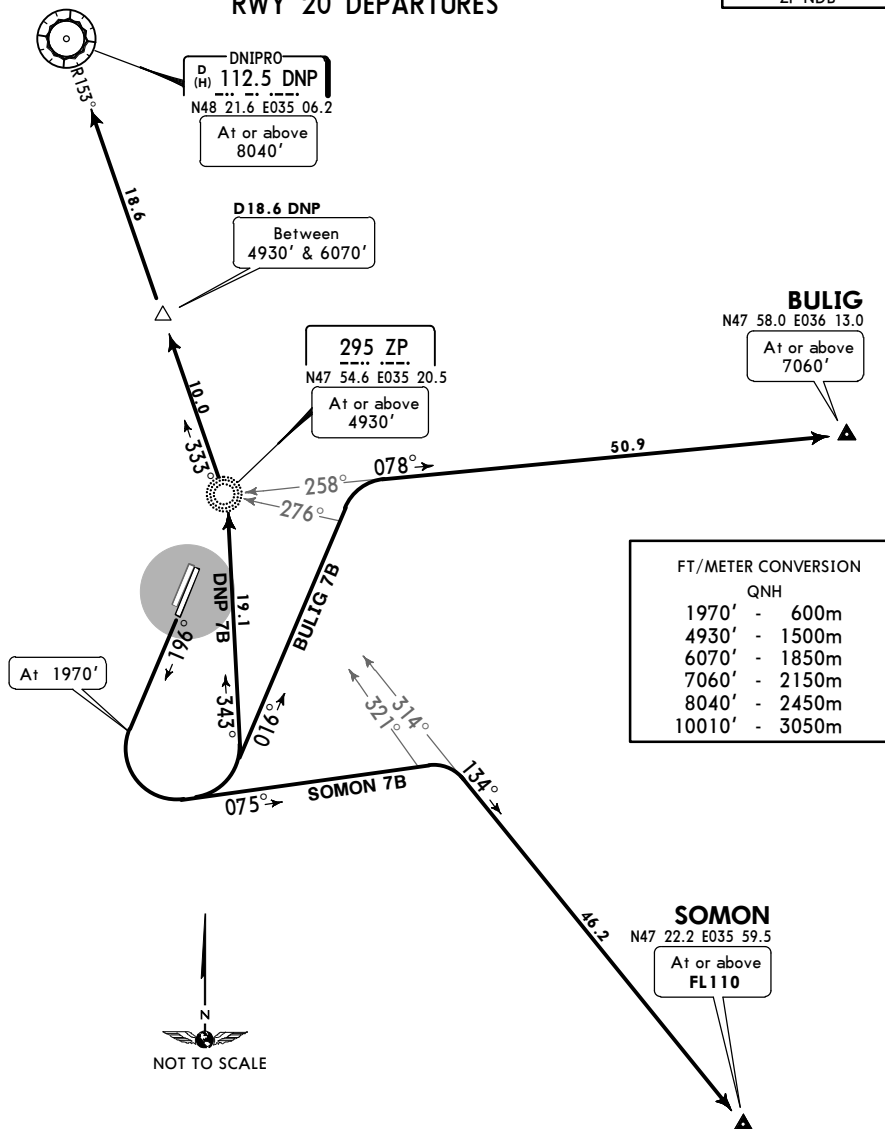
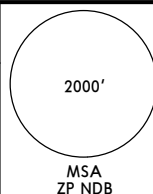
SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'

Flights over the city are prohibited due to noise abatement.

BULIG SEVEN BRAVO (BULIG 7B) [BULI7B]
DNIPRO SEVEN BRAVO (DNP 7B)
SOMON SEVEN BRAVO (SOMON 7B) [SOMO7B]
RWY 20 DEPARTURES



SID	ROUTING
BULIG 7B	Climb on 196° track to 1970', turn LEFT, 016° track, when passing 276° bearing to ZP, turn RIGHT, intercept 078° bearing from ZP to BULIG.
DNP 7B	Climb on 196° track to 1970', turn LEFT, intercept 343° bearing to ZP, turn LEFT, intercept DNP R-153 inbound to DNP.
SOMON 7B	Climb on 196° track to 1970', turn LEFT, 075° track, when passing 321° bearing to ZP, turn RIGHT, intercept 134° bearing from ZP to SOMON.

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10 JUL 15 10-3B

ZAPORIZHZHIA, UKRAINE

SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'

1. EXPECT close-in obstacles.
2. Flights over the city are prohibited due to noise abatement.

2000'

MSA
ZA NDB

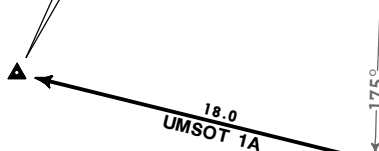
ROLOP ONE ALFA (ROLOP 1A) [ROLO1A]
UMSOT ONE ALFA (UMSOT 1A) [UMSO1A]
RWY 02 DEPARTURES



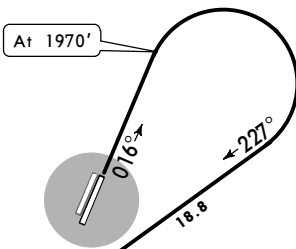
UMSOT

N47 55.7 E034 38.7

At or above
8040'



At or above
7060'



295 ZA

N47 49.3 E035 17.2

At or above
4930'

ROLOP

N47 21.1 E034 44.8

At or above
10010'



FT/METER CONVERSION

QNH

1970'	-	600m
4930'	-	1500m
7060'	-	2150m
8040'	-	2450m
10010'	-	3050m

SID

ROUTING

ROLOP 1A

Climb on 016° track to 1970', turn RIGHT, intercept 227° bearing to ZA, turn LEFT, 211° bearing from ZA to ROLOP.

UMSOT 1A

Climb on 016° track to 1970', turn RIGHT, intercept 227° bearing to ZA, turn RIGHT, 277° bearing from ZA to UMSOT.

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JEPPesen
10 JUL 15 10-3C

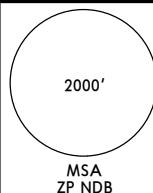
ZAPORIZHZHIA, UKRAINE
Eff 23 Jul

SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'
Flights over the city are prohibited due to noise abatement.

ROLOP ONE BRAVO(ROLOP 1B) [ROLO1B]
UMSOT ONE BRAVO(UMSOT 1B) [UMSO1B]
RWY 20 DEPARTURES



UMSOT

N47 55.7 E034 38.7

At or above
8040'



19.9

At or above
7060'

DNP 112.5

170°

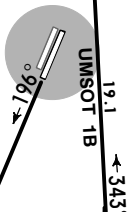
8.2

265°

295 ZP

N47 54.6 E035 20.5

At or above
4930'



19.1

343°

At 1970'

209°

029°

FT/METER CONVERSION

QNH

1970' - 600m
4930' - 1500m
7060' - 2150m
8040' - 2450m
10010' - 3050m

ROLOP

N47 21.1 E034 44.8

At or above
10010'



38.3
ROLOP 1B



SID

ROUTING

ROLOP 1B

Climb on 196° track to 1970', turn RIGHT, intercept 209° bearing from ZP to ROLOP.

UMSOT 1B

Climb on 196° track to 1970', turn LEFT, intercept 343° bearing to ZP, turn LEFT, 265° bearing from ZP to UMSOT.

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JEPPESSEN

ZAPORIZHZHIA, UKRAINE

10 JUL 15

10-3D

Eff 23 Jul

SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'

1. EXPECT close-in obstacles.
2. Flights over the city are prohibited due to noise abatement.

2000'

MSA
ZA NDB

BULIG TWO JULIET (BULIG 2J) [BULI2J]
DNIPO TWO JULIET (DNP 2J)
SOMON TWO JULIET (SOMON 2J) [SOMO2J]
GRASS RWY 02 DEPARTURES



R-150°

DNIPO
D (H) 112.5 DNP
N48 21.6 E035 06.2

At or above
8040'

D 18.8 DNP

Between
4930' & 6070'

FT/METER CONVERSION

QNH

1970' - 600m
4930' - 1500m
6070' - 1850m
7060' - 2150m
8040' - 2450m
10010' - 3050m



NOT TO SCALE

At 1970'



295 ZA

N47 49.3 E035 17.2

BULIG

N47 58.0 E036 13.0

At or above
7060'

127°
BULIG 2J
SOMON 2J

142°
242°
250°

41.6
BULIG 2J

18.9
SOMON 2J

DNP 2J

This SID requires a minimum climb gradient
of
6.0% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
6.0% V/V(fpm)	456	608	911	1215	1519	1823

If unable advice ATC.

SOMON

N47 22.2 E035 59.5

At or above
FL110

SID

ROUTING

BULIG 2J

Climb on 016° track to 1970', turn RIGHT, 127° track, when passing 242° bearing to ZA, turn LEFT, intercept 070° bearing from ZA to BULIG.

DNP 2J

Climb on 016° track to 1970', turn LEFT, intercept DNP R-150 inbound to DNP.

SOMON 2J

Climb on 016° track to 1970', turn RIGHT, 127° track, intercept DNP R-142 to SOMON.

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10 JUL 15

10-3E

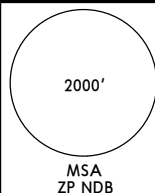
Eff 23 Jul

ZAPORIZHZHIA, UKRAINE

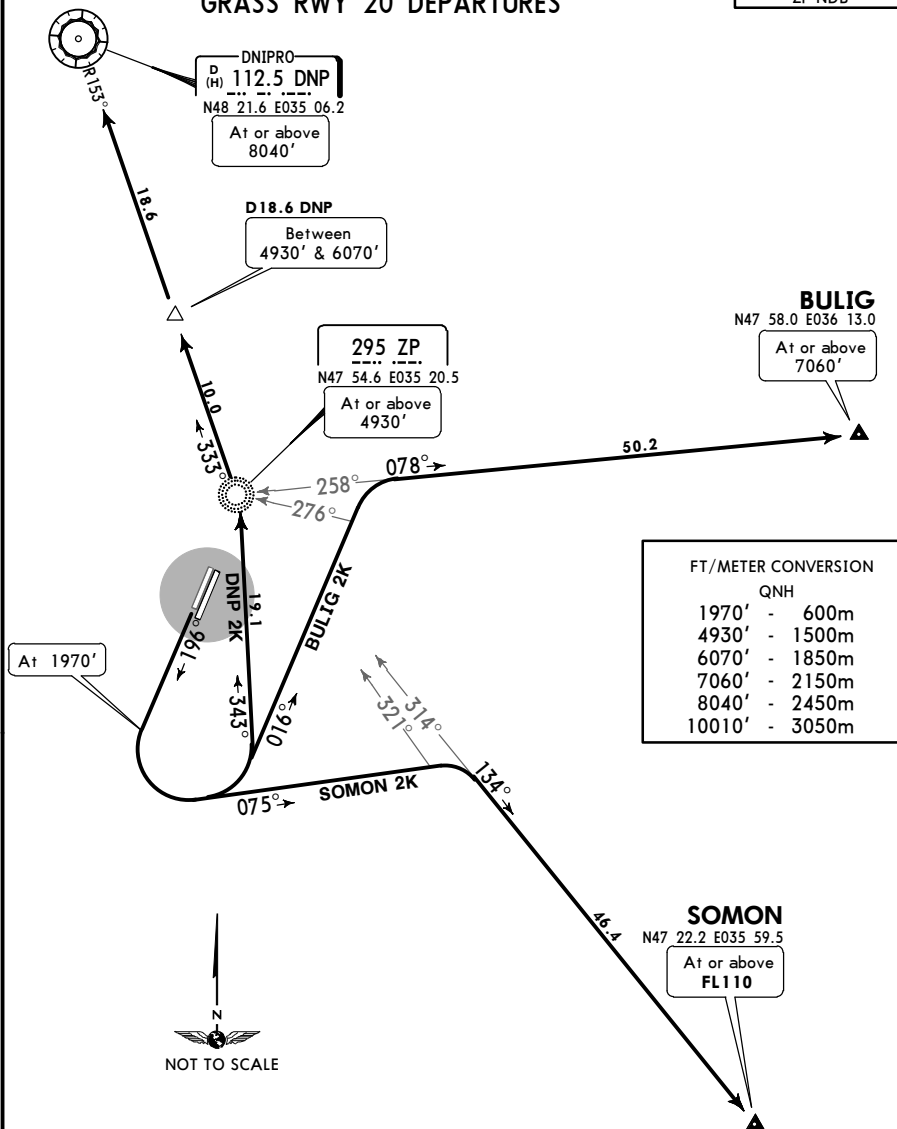
SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'
Flights over the city are prohibited due to noise abatement.



BULIG TWO KILO (BULIG 2K)[BULI2K]
DNIPRO TWO KILO (DNP 2K)
SOMON TWO KILO (SOMON 2K)[SOMO2K]
GRASS RWY 20 DEPARTURES



SID	ROUTING
BULIG 2K	Climb on 196° track to 1970', turn LEFT, 016° track, when passing 276° bearing to ZP, turn RIGHT, intercept 078° bearing from ZP to BULIG.
DNP 2K	Climb on 196° track to 1970', turn LEFT, intercept 343° bearing to ZP, turn LEFT, intercept DNP R-153 inbound to DNP.
SOMON 2K	Climb on 196° track to 1970', turn LEFT, 075° track, when passing 321° bearing to ZP, turn RIGHT, intercept 134° bearing from ZP to SOMON.

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JEPPesen
10 JUL 15 (10-3G)

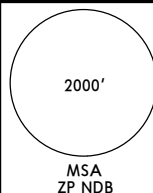
ZAPORIZHZHIA, UKRAINE
Eff 23 Jul

SID

Apt Elev
373'

Trans level: By ATC Trans alt: 10010'
Flights over the city are prohibited due to noise abatement.

ROLOP ONE KILO (ROLOP 1K) [ROLO1K]
UMSOT ONE KILO (UMSO 1K) [UMSO1K]
GRASS RWY 20 DEPARTURES



UMSOT

N47 55.7 E034 38.7

At or above
8040'



19.9

At or above
7060'

DNP
112.5

170°

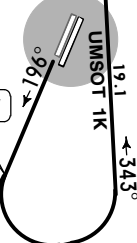
265°

8.2

295 ZP

N47 54.6 E035 20.5

At or above
4930'



FT/METER CONVERSION

QNH

1970' - 600m
4930' - 1500m
7060' - 2150m
8040' - 2450m
10010' - 3050m

ROLOP

N47 21.1 E034 44.8

At or above
10010'



ROLOP 1K

38.9



SID

ROUTING

ROLOP 1K

Climb on 196° track to 1970', turn RIGHT, intercept 209° bearing from ZP to ROLOP.

UMSOT 1K

Climb on 196° track to 1970', turn LEFT, intercept 343° bearing to ZP, turn LEFT, 265° bearing from ZP to UMSOT.

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Apt Elev **373'**
N47 52.0 E035 18.9



JEPPESEN

ZAPORIZHZHIA, UKRAINE

10 JUL 15

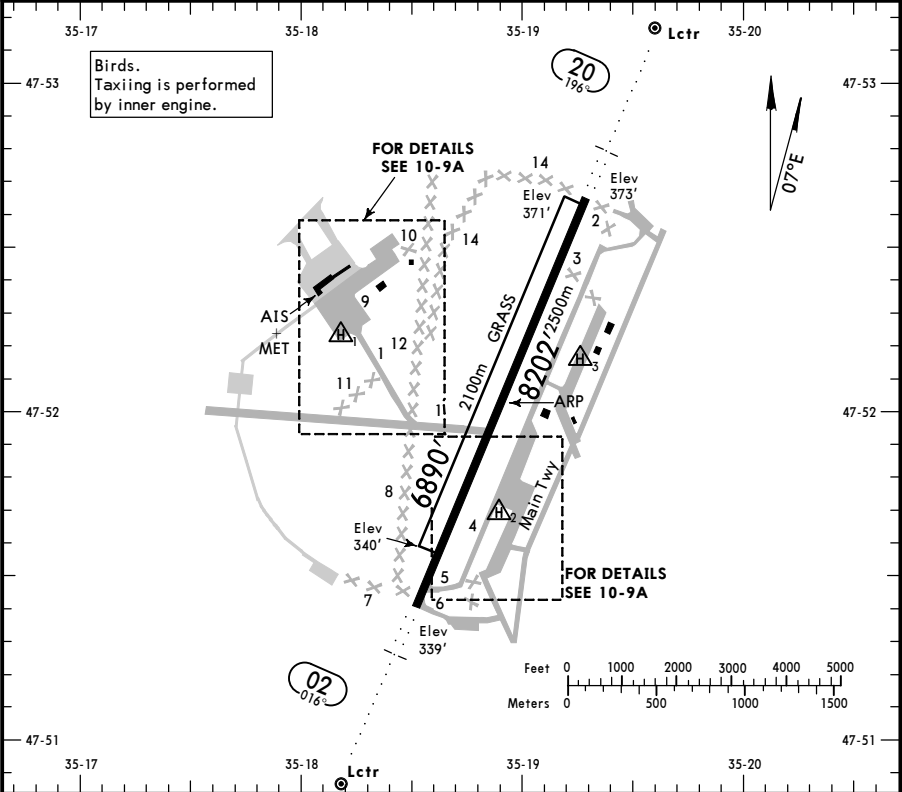
10-9

Eff 23 Jul

MOKRAYA

ZAPORIZHZHIA Tower

118.2



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS			WIDTH
			Threshold	Landing Beyond	Take-off	
02	RL (100m) ALS	RVR		7170' 2185m	1	138' 42m
20	Grass runway			6987' 2130m		279' 85m

1 TAKE-OFF RUN AVAILABLE

RWY 02:

From rwy head 8202' (2500m)
twy 1 int 4724' (1440m)

RWY 20:

From rwy head 8202' (2500m)
twy 1 int 3478' (1060m)

LOW VISIBILITY PROCEDURE (LVP)

- LVP are applied when RVR is 550m or less.
- Pilots will be informed by ATC about beginning of LVP.
- Taxiing is performed with follow-me car only.
- Only one acft allowed on the manoeuvring area at a time.

JAR-OPS

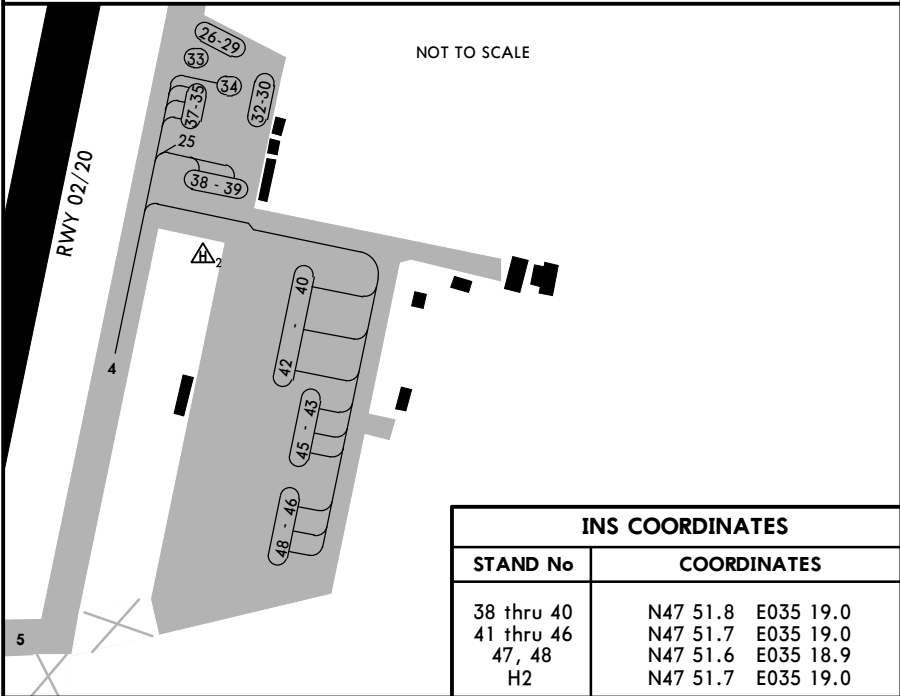
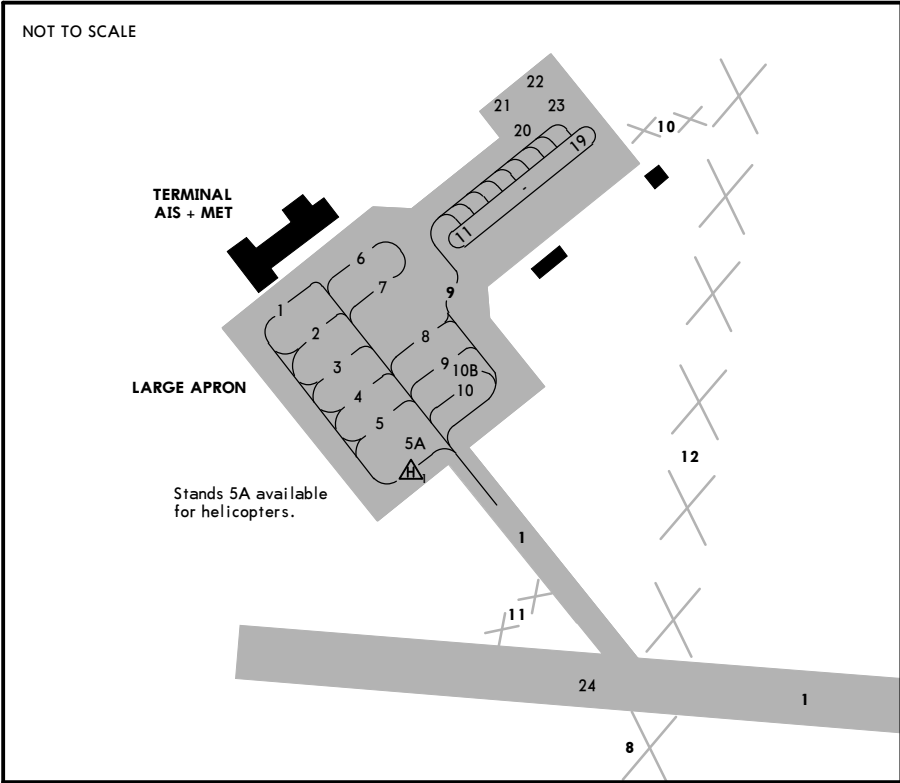
TAKE-OFF 1

Main rwy 02/20

	LVP must be in force	Main rwy 02/20	
	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

1 Operators applying U.S. Ops Specs: CL required below 300m.

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JEPPESSEN
5 SEP 14
Eff 18 Sep 10-9S

Standard
ZAPORIZHZHIA, UKRAINE
MOKRAYA

STRAIGHT-IN RWY		A	B	C	D
02	ILS	558'(219') R1000m	568'(229') R1000m	577'(238') R1000m	587'(248') R1000m
	ALS out	R1200m	R1200m	R1200m	R1300m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①②	710'(371') R1500m	710'(371') R1500m	710'(371') R1500m	710'(371') R1500m
	ALS out	R1700m	R1700m	R1700m	R1700m
	NDB ③	790'(451') C2100m	790'(451') C2100m	790'(451') C2300m	790'(451') C2300m
20	ILS	573'(200') R1000m	573'(200') R1000m	573'(200') R1000m	581'(208') R1000m
	ALS out	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	NDB ①②	730'(357') R1400m	730'(357') R1400m	730'(357') R1400m	730'(357') R1400m
	ALS out	R1600m	R1600m	R1600m	R1600m
	NDB ③	990'(617') C2800m	990'(617') C2800m	990'(617') C3000m	990'(617') C3000m
02 (Grass)	NDB ①②	710'(370') R1700m	710'(370') R1700m	710'(370') R1700m	710'(370') R1700m
	NDB ③	790'(450') C2300m	790'(450') C2300m	790'(450') C2500m	790'(450') C2500m
20 (Grass)	NDB ①②	730'(359') R1600m	730'(359') R1600m	730'(359') R1600m	730'(359') R1600m
	NDB ③	990'(619') C3000m	990'(619') C3000m	990'(619') C3200m	990'(619') C3200m

① Continuous Descent Final Approach.

② with SDF at LOM.

③ w/o SDF.

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
After ILS 02 ①	780'(441')	880'(541')	1120'(781')	1140'(801')
After NDB 02 ①	790'(451')	880'(541')	1120'(781')	1140'(801')
After NDB 02 (Grass) ①	790'(450')	880'(540')	1120'(780')	1140'(800')
After ILS 20	780'(407')	880'(507')	1120'(747')	1140'(767')
After NDB 20	990'(617') V1500m ⑥	990'(617') V1600m ⑥	1120'(747') V2400m ⑥	1140'(767') V3600m

④ Circling height based on rwy 02 thresh elev of 339'.

⑤ Circling height based on rwy 02 (Grass) thresh elev of 340'.

⑥ or higher minimums of preceding straight-in approach.

TAKE-OFF RWY 02, 20

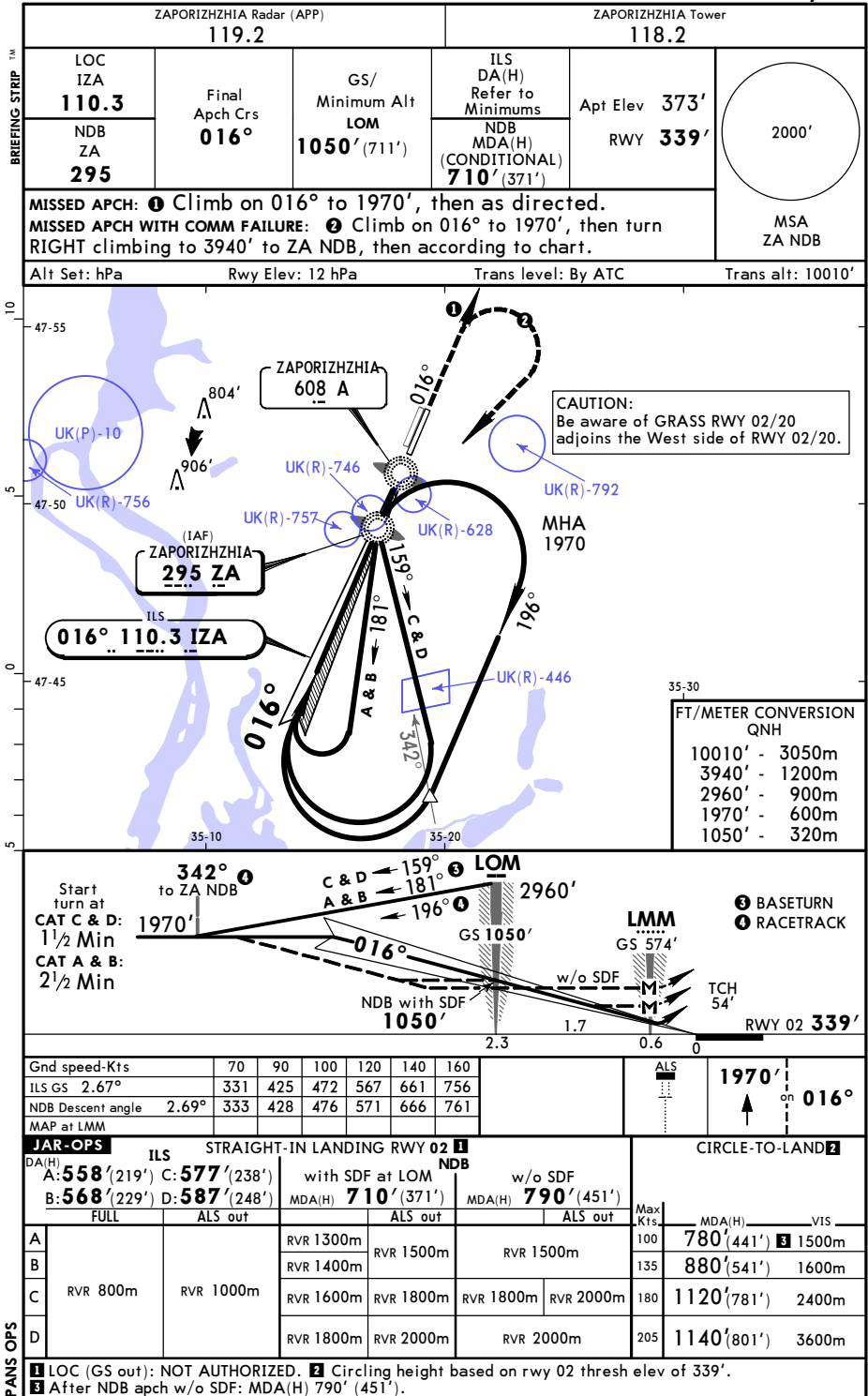
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

CHANGES: Minimums.

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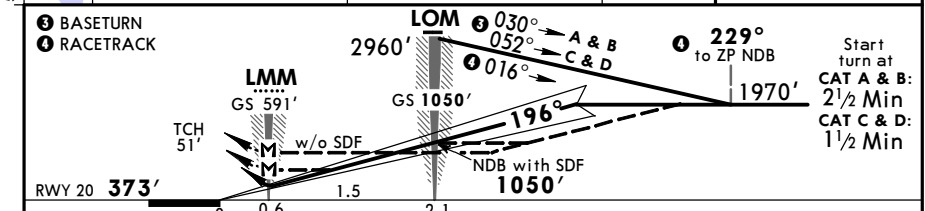
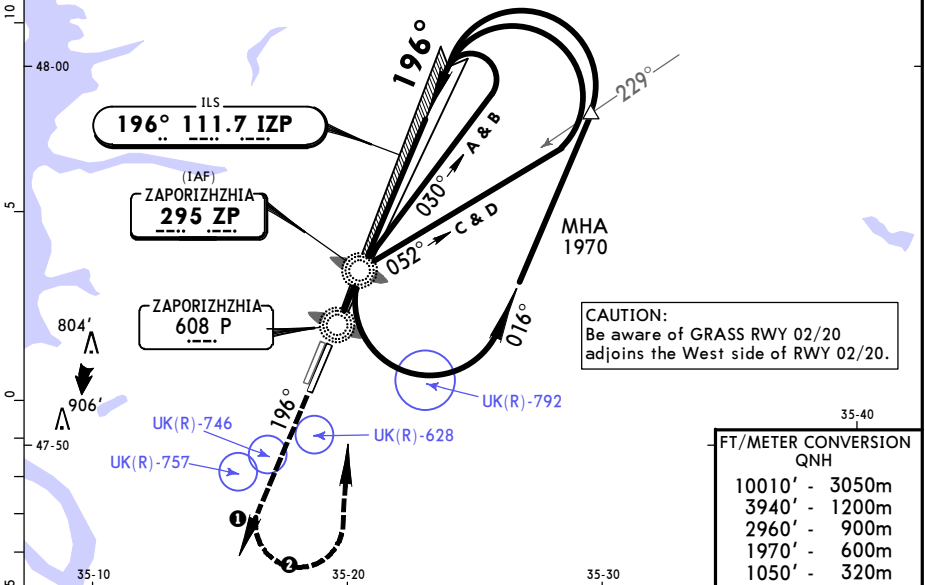
JEPPESN ZAPORIZHZHIA, UKRAINE
10 JUL 15 11-1 Eff 23 Jul ILS or NDB Rwy 02



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JEPPESN ZAPORIZHZHIA, UKRAINE
10 JUL 15 11-2 Eff 23 Jul ILS or NDB Rwy 20

B R E E F I N G S T R I P ™	ZAPORIZHZHIA Radar (APP)			ZAPORIZHZHIA Tower		
	119.2			118.2		
	LOC IZP 111.7	Final Apch Crs 196°	GS/ Minimum Alt LOM 1050' (677')	ILS DA(H) Refer to Minimums NDB MDA(H) (CONDITIONAL) 730' (357')	Apt Elev 373' RWY 373'	2000' MSA ZP NDB
	NDB ZP 295					
	MISSED APCH: ❶ Climb on 196° to 1970', then as directed. MISSED APCH WITH COMM FAILURE: ❷ Climb on 196° to 1970', then turn LEFT climbing to 3940' to ZP NDB, then according to chart.					
	Alt Set: hPa		Rwy Elev: 14 hPa	Trans level: By ATC	Trans alt: 10010'	



Gnd speed-Kts	70	90	100	120	140	160	ALS	1970' on 196°
ILS GS 2.67°	331	425	472	567	661	756		
NDB Descent angle 2.75°	340	438	486	584	681	778		
MAP at LMM								

JAR-OPS		STRAIGHT-IN LANDING RWY 20						CIRCLE-TO-LAND	
ILS		with SDF at LOM		w/o SDF		Max Kts	MDA(H)	VIS	
DA(H) ABC: 573'(200') D: 581'(208')		MDA(H) 730'(357')		MDA(H) 990'(617')					
FULL		ALS out		ALS out					
A	RVR 800m	RVR 1000m	RVR 1300m	RVR 1500m	RVR 1500m		100	780'(407') 2	1500m
B			RVR 1400m			135	880'(507') 2	1600m	
C			RVR 1600m	RVR 1800m	RVR 1800m	RVR 2000m	180	1120'(747')	2400m
D			RVR 1800m	RVR 2000m	RVR 2000m		205	1140'(767')	3600m

❶ LOC (GS out): NOT AUTHORIZED. ❷ After NDB apch w/o SDF: MDA(H) 990' (617').
CHANGES: Bearings. © JEPPESN, 2004, 2015. ALL RIGHTS RESERVED.

Chart changes since cycle 12-2016

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
ZAPORIZHZHIA, (MOKRAYA - UKDE)				

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UKDE