

Page 1

Changed chart(s) since Disc 09-2011

ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
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Kharkiv, (Osnova - UKHH)

ADD	STANDARD MNMS	10-9S	06 àée 2011	
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TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport UKHH

General Info

Kharkiv, UKR

N 49° 55.5' E 36° 17.5' Mag Var: 6.5°E

Elevation: 508'

Public, IFR, Control Tower, Customs

Fuel: Jet A-1

Repairs: Minor Airframe, Minor Engine

Time Zone Info: GMT+2:00 uses DST

Runway Info

Runway 08-26 7283' x 164' asphalt

Runway 08 (83.0°M) TDZE 494'

Lights: Edge, ALS

Runway 26 (263.0°M) TDZE 485'

Lights: Edge

Communications InfoATIS **127.6** Non-EnglishATIS **126.75**Kharkiv Tower **118.1** At or below 3900'Kharkiv Ground Control **119.0**Kharkiv Approach Control **133.9**Kharkiv Approach Control **123.7**Kharkiv Approach Control **118.1****Notebook Info**

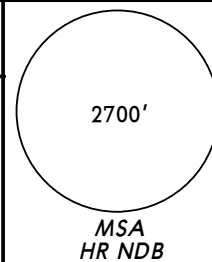
UKHH/HRK
OSNOVA

JEPPESSEN
12 NOV 10 **10-2** **Eff 18 Nov**

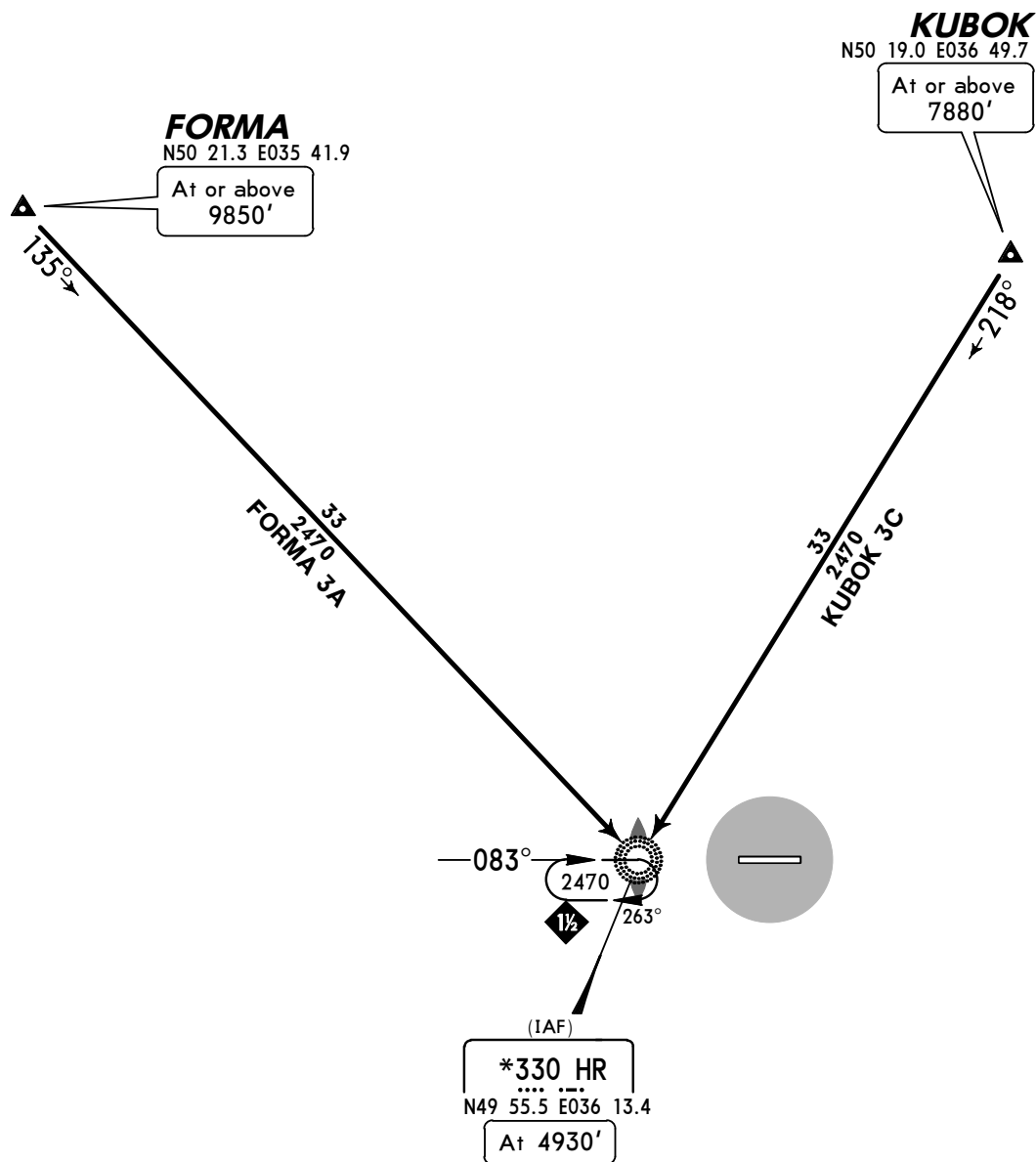
KHARKIV, UKRAINE

STAR

ATIS 126.75 (Russian 127.6)	Apt Elev 508'	Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010'
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FORMA THREE ALFA (FORMA 3A) [FORM3A]
KUBOK THREE CHARLIE (KUBOK 3C) [KUBO3C]
RWY 08 ARRIVALS
FROM NORTH



FT/METER CONVERSION	
QNH	
10010'	- 3050m
9850'	- 3000m
7880'	- 2400m
4930'	- 1500m

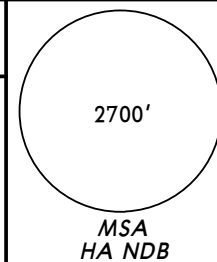
STAR	ROUTING
FORMA 3A	On 135° bearing to HR.
KUBOK 3C	On 218° bearing to HR.

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OSNOVA

JEPPESSEN
 12 NOV 10 **(10-2A)** **Eff 18 Nov**

KHARKIV, UKRAINE
STAR

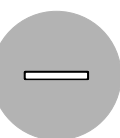
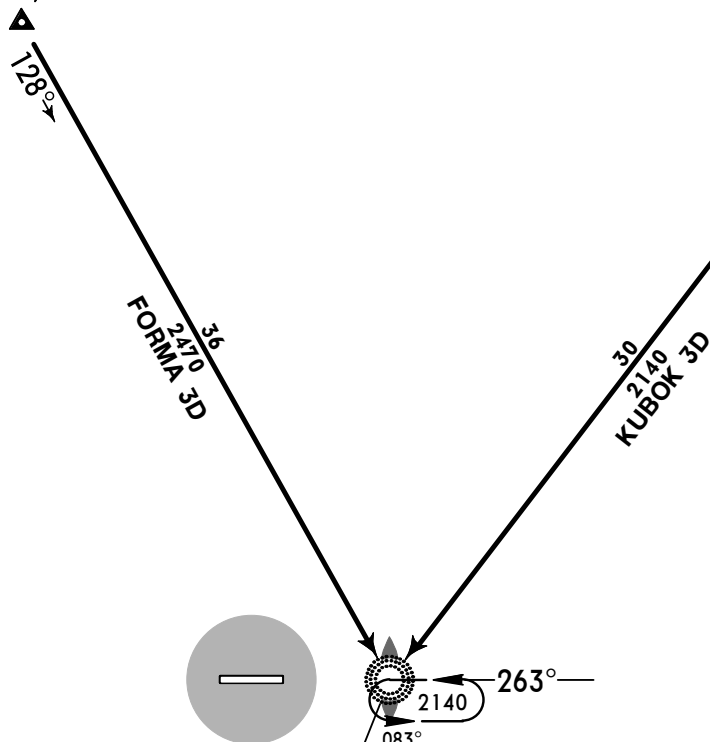
ATIS
126.75 (Russian 127.6)
 Apt Elev **508'**
 Alt Set: hPa (MM on request)
 Trans level: By ATC Trans alt: 10010'



FORMA THREE DELTA (FORMA 3D) [FORM3D]
KUBOK THREE DELTA (KUBOK 3D) [KUBO3D]
RWY 26 ARRIVALS
FROM NORTH

FORMA
 N50 21.3 E035 41.9
 At or above
9850'

KUBOK
 N50 19.0 E036 49.7
 At or above
7880'



(IAF)
***330 HA**
 N49 55.5 E036 21.7
 At **4930'**



FT/METER CONVERSION	
QNH	
10010'	- 3050m
9850'	- 3000m
7880'	- 2400m
4930'	- 1500m

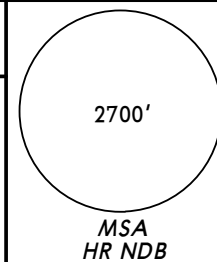
STAR	ROUTING
FORMA 3D	On 128° bearing to HA.
KUBOK 3D	On 211° bearing to HA.

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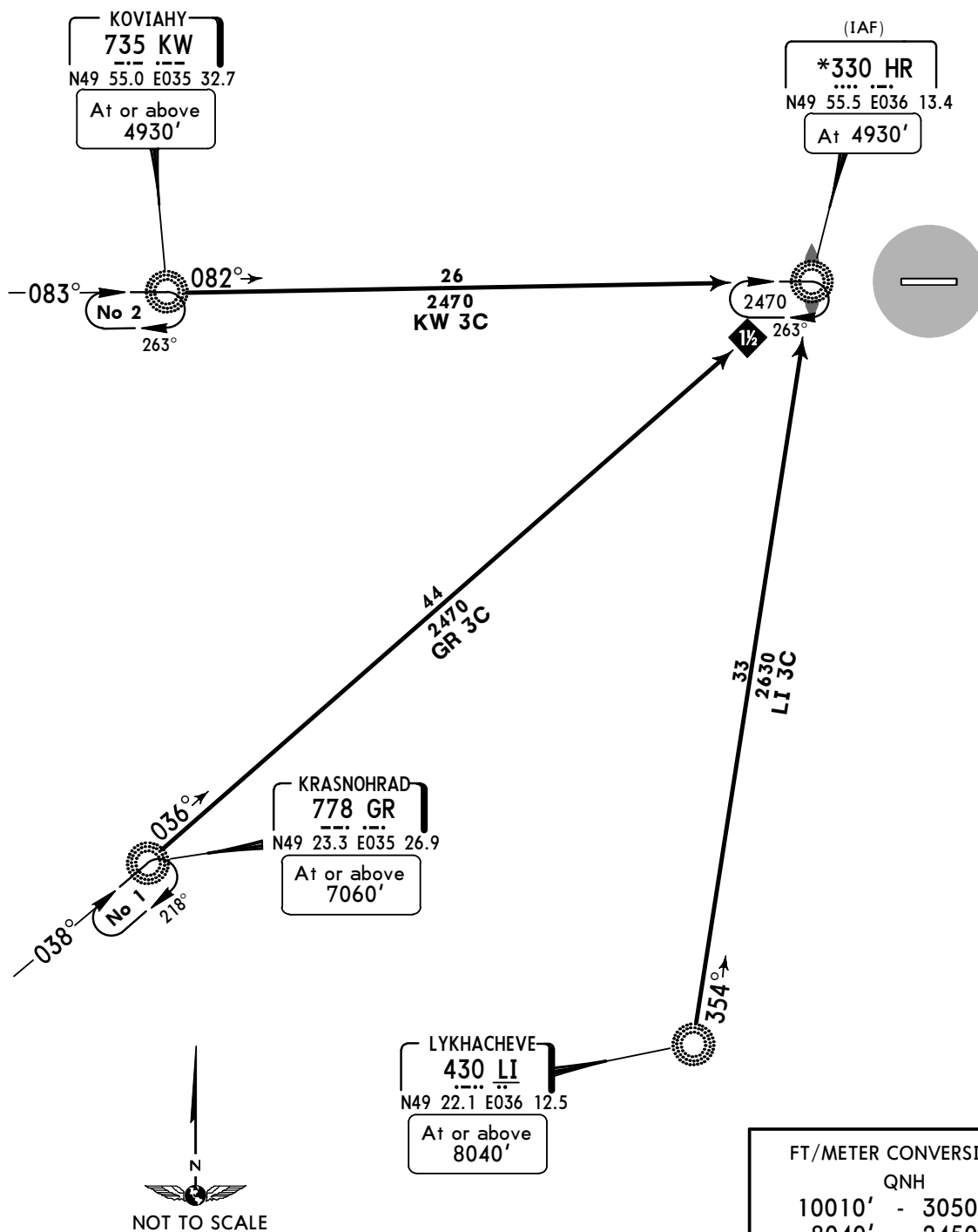
JEPPESEN
 12 NOV 10 **10-2B** **Eff 18 Nov**

KHARKIV, UKRAINE
STAR

ATIS
126.75 (Russian 127.6)
 Apt Elev **508'**
 Alt Set: hPa (MM on request)
 Trans level: By ATC Trans alt: 10010'



KOVIAHY THREE CHARLIE (KW 3C)
KRASNOHRAD THREE CHARLIE (GR 3C)
LYKHACHEVE THREE CHARLIE (LI 3C)
RWY 08 ARRIVALS
FROM SOUTH & WEST



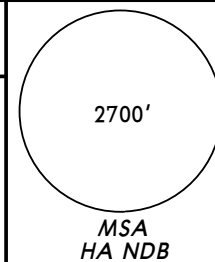
FT/METER CONVERSION	
QNH	
10010'	- 3050m
8040'	- 2450m
7060'	- 2150m
4930'	- 1500m

UKHH/HRK
OSNOVA

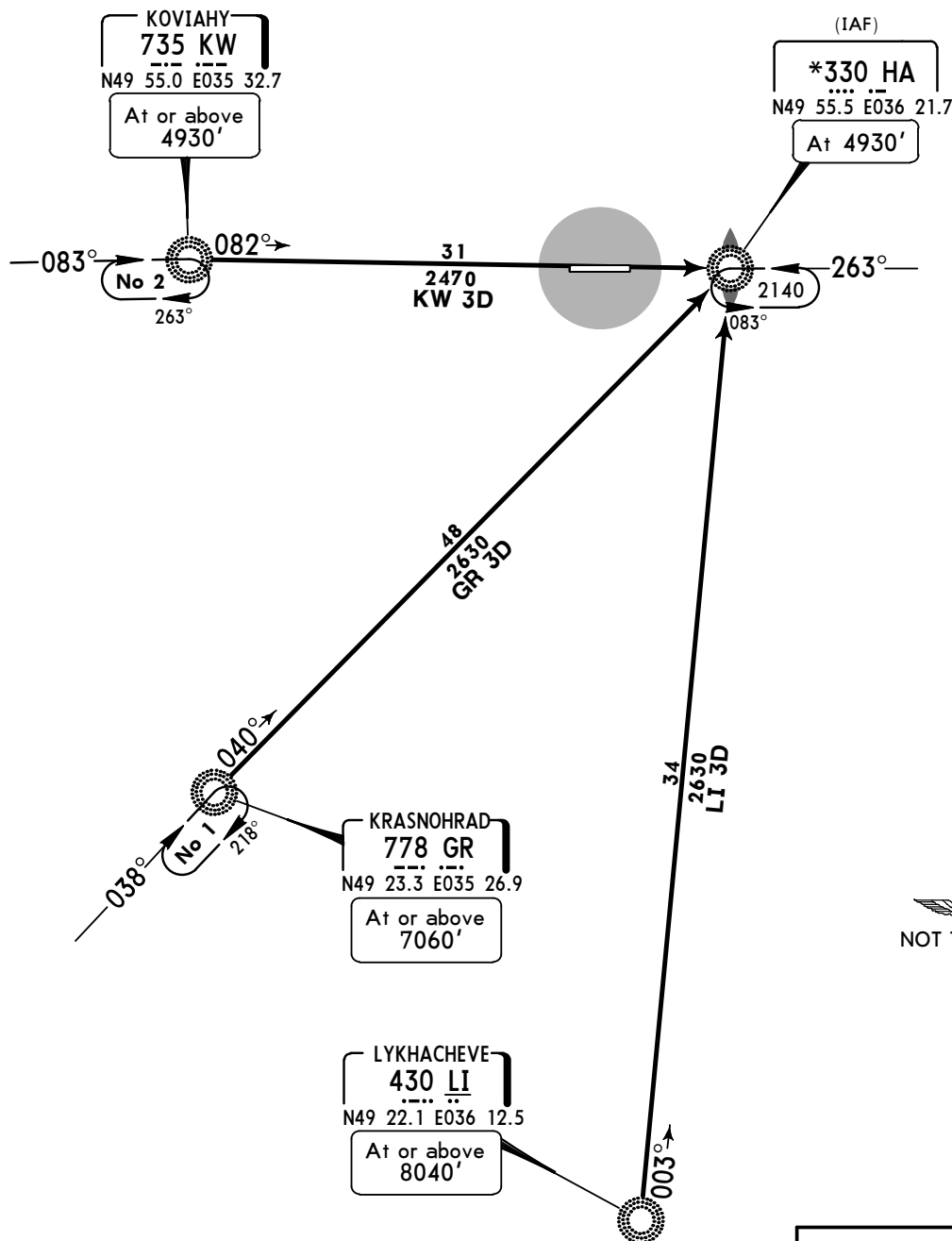
JEPPESEN
 12 NOV 10 **10-2C** **Eff 18 Nov**

KHARKIV, UKRAINE
STAR

ATIS
126.75 (Russian 127.6)
 Apt Elev
508'
 Alt Set: hPa (MM on request)
 Trans level: By ATC Trans alt: 10010'



KOVIAHY THREE DELTA (KW 3D)
KRASNOHRAD THREE DELTA (GR 3D)
LYKHACHEVE THREE DELTA (LI 3D)
RWY 26 ARRIVALS
FROM SOUTH & WEST



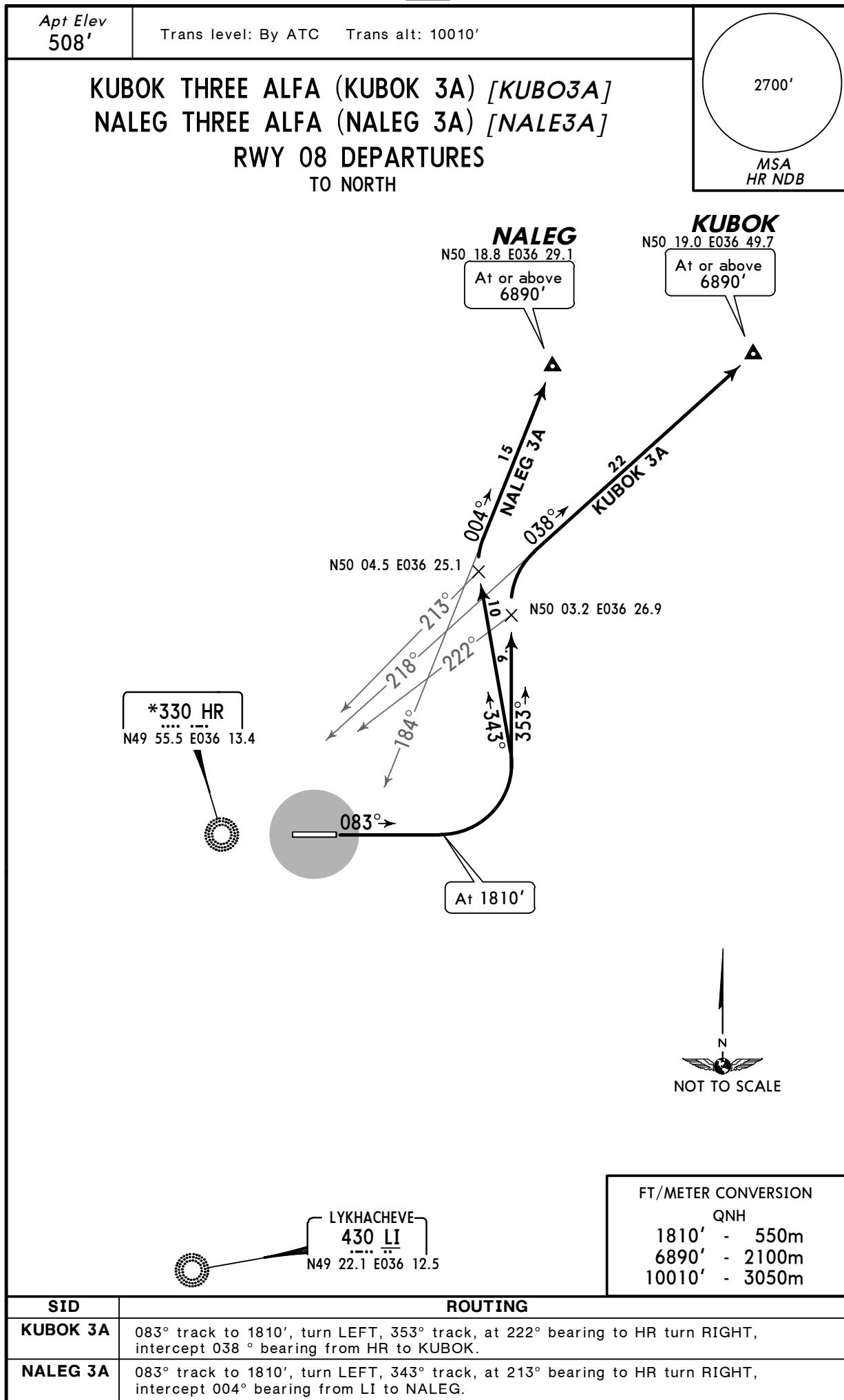
FT/METER CONVERSION	
QNH	
10010'	- 3050m
8040'	- 2450m
7060'	- 2150m
4930'	- 1500m

STAR	ROUTING
GR 3D	On 040° bearing to HA.
KW 3D	On 082° bearing to HA.
LI 3D	On 003° bearing to HA.

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JEPPESSEN
 12 NOV 10 **10-3** **Eff 18 Nov**

KHARKIV, UKRAINE
SID



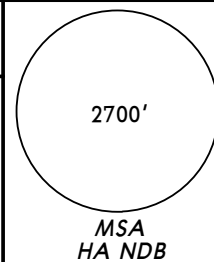
UKHH/HRK
OSNOVA

JEPPESEN
 12 NOV 10 **(10-3A)** **Eff 18 Nov**

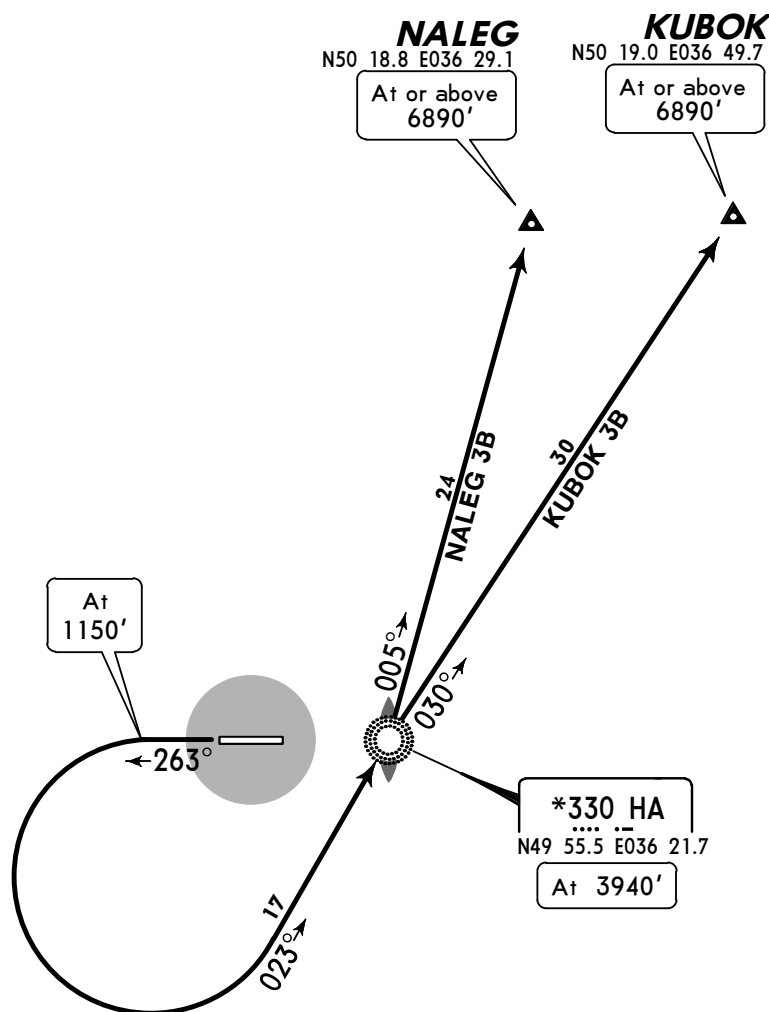
KHARKIV, UKRAINE
SID

Apt Elev
508'

Trans level: By ATC Trans alt: 10010'



KUBOK THREE BRAVO (KUBOK 3B) [KUBO3B]
NALEG THREE BRAVO (NALEG 3B) [NALE3B]
RWY 26 DEPARTURES
TO NORTH



NOT TO SCALE

FT/METER CONVERSION	
QNH	
1150'	- 350m
3940'	- 1200m
6890'	- 2100m
10010'	- 3050m

SID	ROUTING
KUBOK 3B	263° track to 1150', turn LEFT, intercept 023° bearing to HA, turn RIGHT, 030° bearing to KUBOK.
NALEG 3B	263° track to 1150', turn LEFT, intercept 023° bearing to HA, turn LEFT, 005° bearing to NALEG.

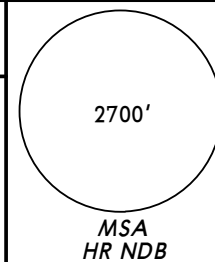
UKHH/HRK
OSNOVA

JEPPESEN
 12 NOV 10 **(10-3B)** **Eff 18 Nov**

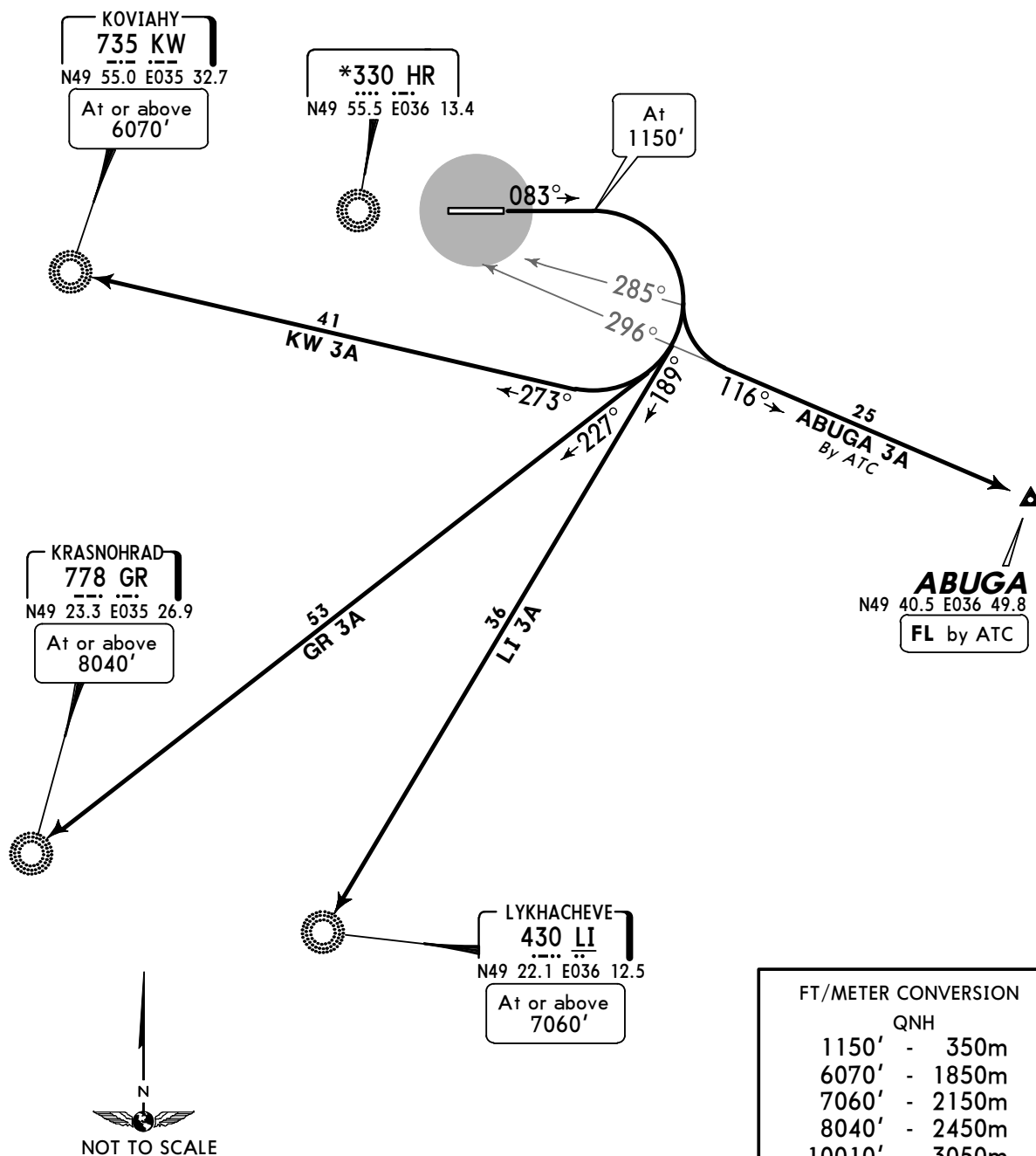
KHARKIV, UKRAINE
SID

Apt Elev
 508'

Trans level: By ATC Trans alt: 10010'



ABUGA THREE ALFA (ABUGA 3A) [ABUG3A]
KOVIAHY THREE ALFA (KW 3A)
KRASNOHRAD THREE ALFA (GR 3A)
LYKHACHEVE THREE ALFA (LI 3A)
RWY 08 DEPARTURES
TO SOUTH & WEST



FT/METER CONVERSION	
	QNH
1150'	- 350m
6070'	- 1850m
7060'	- 2150m
8040'	- 2450m
10010'	- 3050m

SID	ROUTING
ABUGA 3A By ATC	083° track to 1150', turn RIGHT, at 285° bearing to HR turn LEFT, intercept 116° bearing from HR to ABUGA.
GR 3A	083° track to 1150', turn RIGHT, intercept 227° bearing to GR.
KW 3A	083° track to 1150', turn RIGHT, intercept 273° bearing to KW.
LI 3A	083° track to 1150', turn RIGHT, intercept 189° bearing to LI.

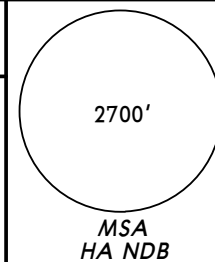
UKHH/HRK
OSNOVA

JEPPESSEN
12 NOV 10 **(10-3C)** **Eff 18 Nov**

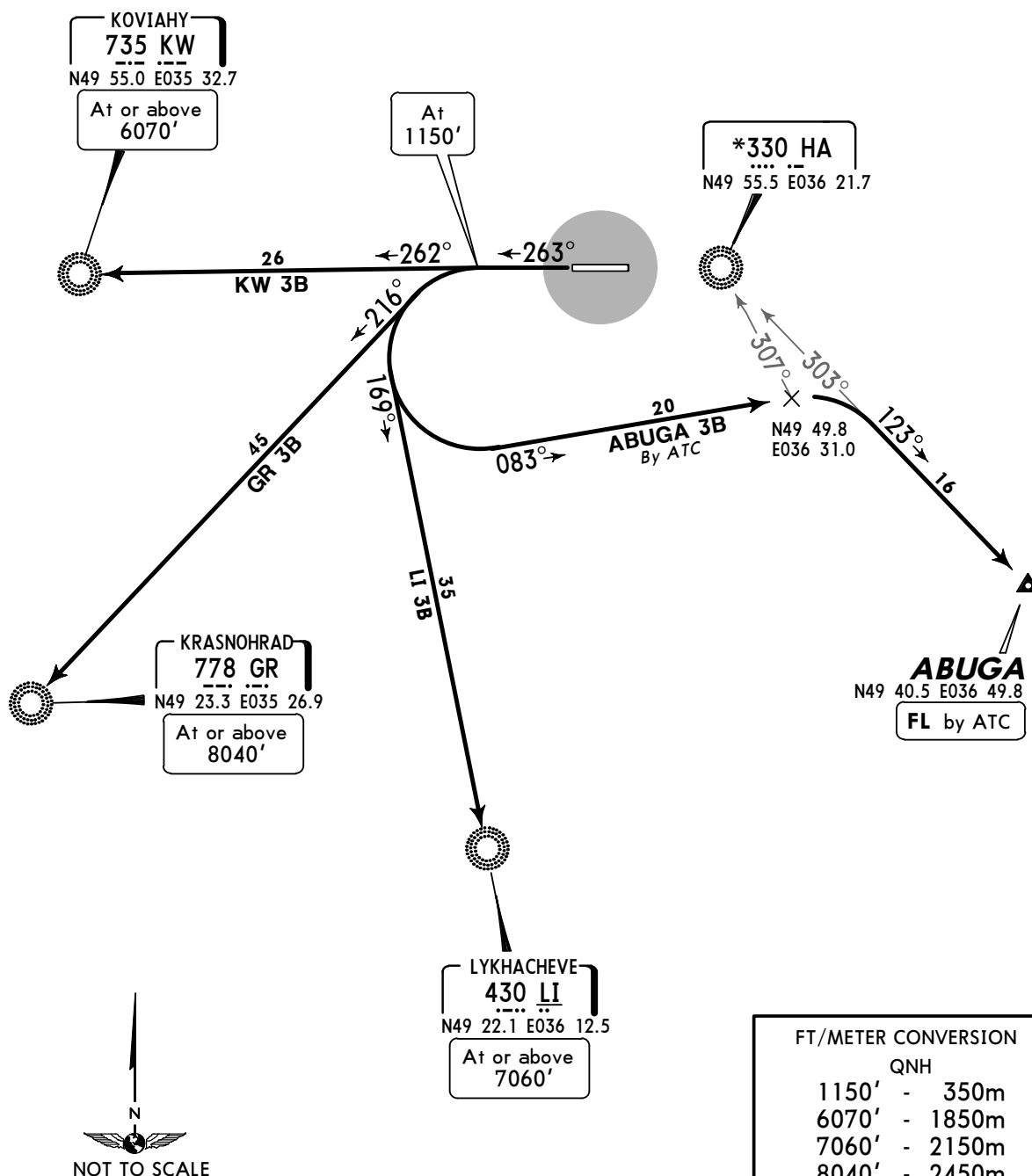
KHARKIV, UKRAINE
SID

Apt Elev
508'

Trans level: By ATC Trans alt: 10010'



ABUGA THREE BRAVO (ABUGA 3B) [ABUG3B]
KOVIAHY THREE BRAVO (KW 3B)
KRASNOHRAD THREE BRAVO (GR 3B)
LYKHACHEVE THREE BRAVO (LI 3B)
RWY 26 DEPARTURES
TO SOUTH & WEST



FT/METER CONVERSION	
QNH	
1150'	- 350m
6070'	- 1850m
7060'	- 2150m
8040'	- 2450m
10010'	- 3050m

SID	ROUTING
ABUGA 3B By ATC	263° track to 1150', turn LEFT, 083° track, when passing 307° bearing to HA turn RIGHT, intercept 123° bearing from HA to ABUGA.
GR 3B	263° track to 1150', turn LEFT, intercept 216° bearing to GR.
KW 3B	263° track to 1150', turn LEFT, intercept 262° bearing to KW.
LI 3B	263° track to 1150', turn LEFT, intercept 169° bearing to LI.

UKHH/HRK

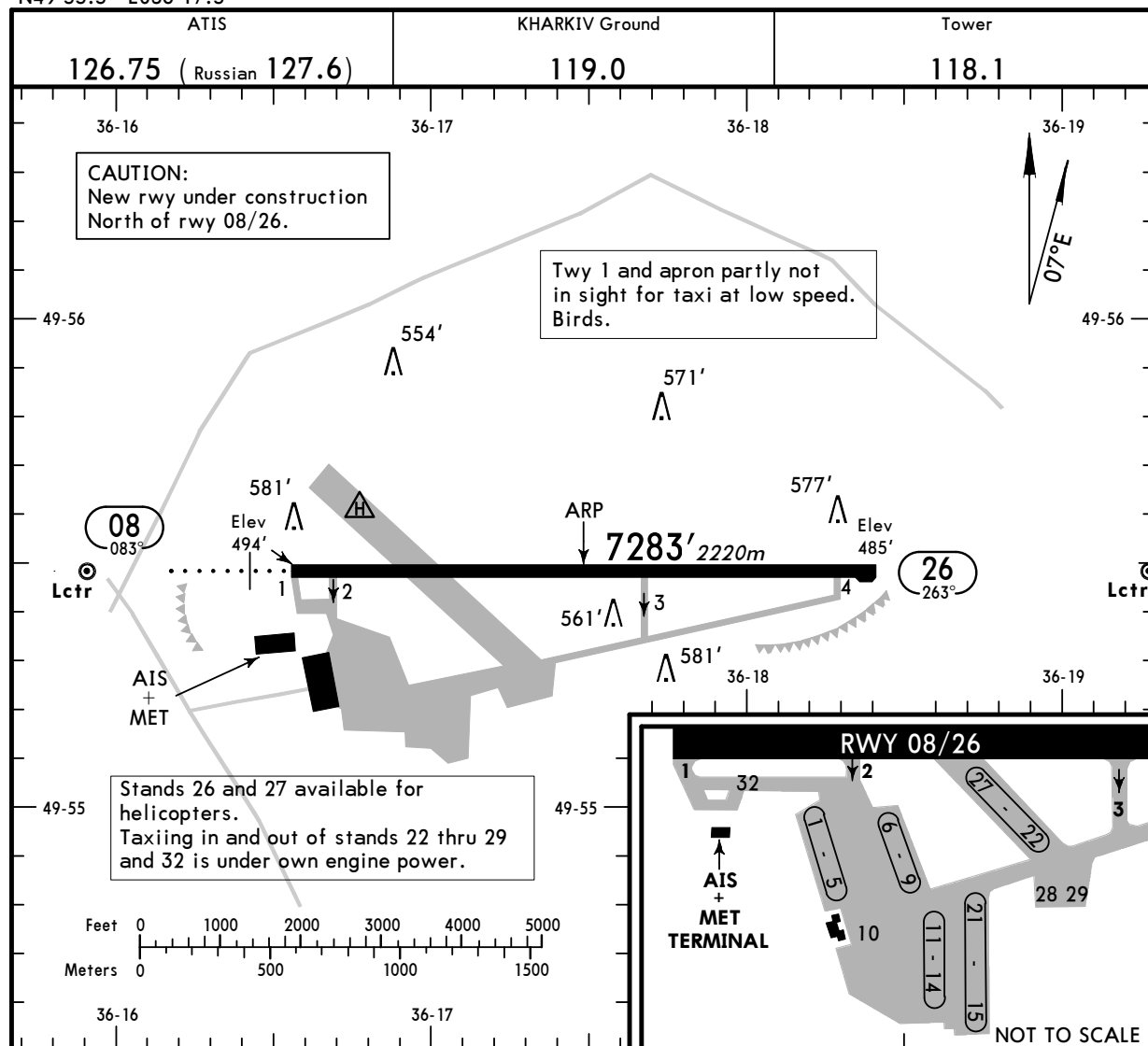
Apt Elev **508'**
N49 55.5 E036 17.5

JEPPesen

15 APR 11 **(10-9)**

KHARKIV, UKRAINE

OSNOVA



ADDITIONAL RUNWAY INFORMATION

RWY	USABLE LENGTHS			WIDTH
	LANDING BEYOND		TAKE-OFF	
	HIRL (60m)	ALS	Threshold	Glide Slope
08	RVR		7087' 2160m	
26	HIRL (60m)	RVR	7218' 2200m	7218' 2200m

JAR-OPS

TAKE-OFF 1

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

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

UKHH/HRK

6 MAY 11

 **JEPPESEN****10-9S****Standard**
KHARKIV, UKRAINE
OSNOVA

STRAIGHT-IN RWY		A	B	C	D
08	ILS	712' (218')	722' (228')	732' (238')	741' (247')
		R1000m	R1000m	R1000m	R1000m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1300m
	LOC	NOT AUTH	NOT AUTH	NOT AUTH	NOT AUTH
	2 NDB ❶	870' (376')	870' (376')	870' (376')	870' (376')
		R1500m	R1500m	R1500m	R1500m
	<i>ALS out</i>	R1700m	R1700m	R1700m	R1700m
	R Lctr	1050' (556')	1050' (556')	1050' (556')	1050' (556')
		C2500m	C2500m	C2700m	C2700m
	<i>ALS out</i>	C2700m	C2700m	C2900m	C2900m
26	2 NDB ❶	870' (385')	870' (385')	870' (385')	870' (385')
		R1800m	R1800m	R1800m	R1800m
	A Lctr	1070' (585')	1070' (585')	1070' (585')	1070' (585')
		C2900m	C2900m	C3100m	C3100m

❶ Continuous Descent Final Approach.

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
After apch to rwy 08 ❷	1050' (556')	1200' (706')	1420' (926')	1420' (926')
After apch to rwy 26 ❸	1070' (585')	1200' (715')	1420' (935')	1420' (935')
	V1500m ❹	V1600m ❹	V2400m ❹	V3600m

❷ Circling height based on rwy 08 thresh elev of 494'.

❸ Circling height based on rwy 26 thresh elev of 485'.

❹ or higher minimums of preceding straight-in approach.

TAKE-OFF RWY 08, 26

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

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JEPPESEN
15 APR 11 **(11-1)**

KHARKIV, UKRAINE
ILS Rwy 08

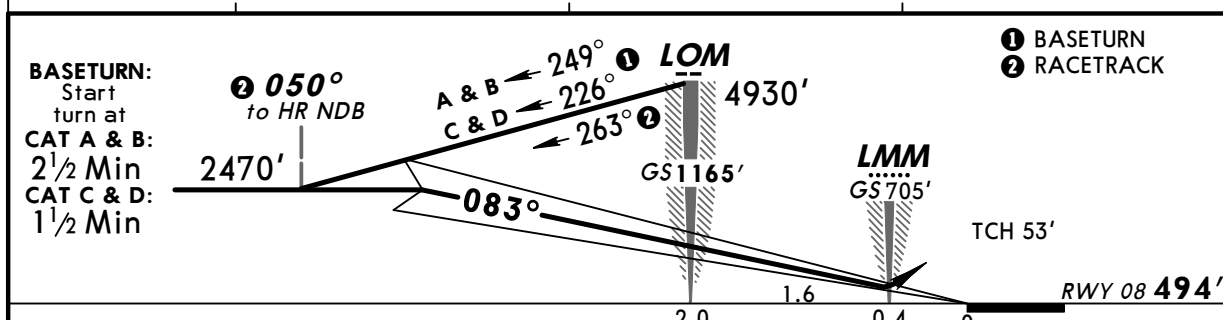
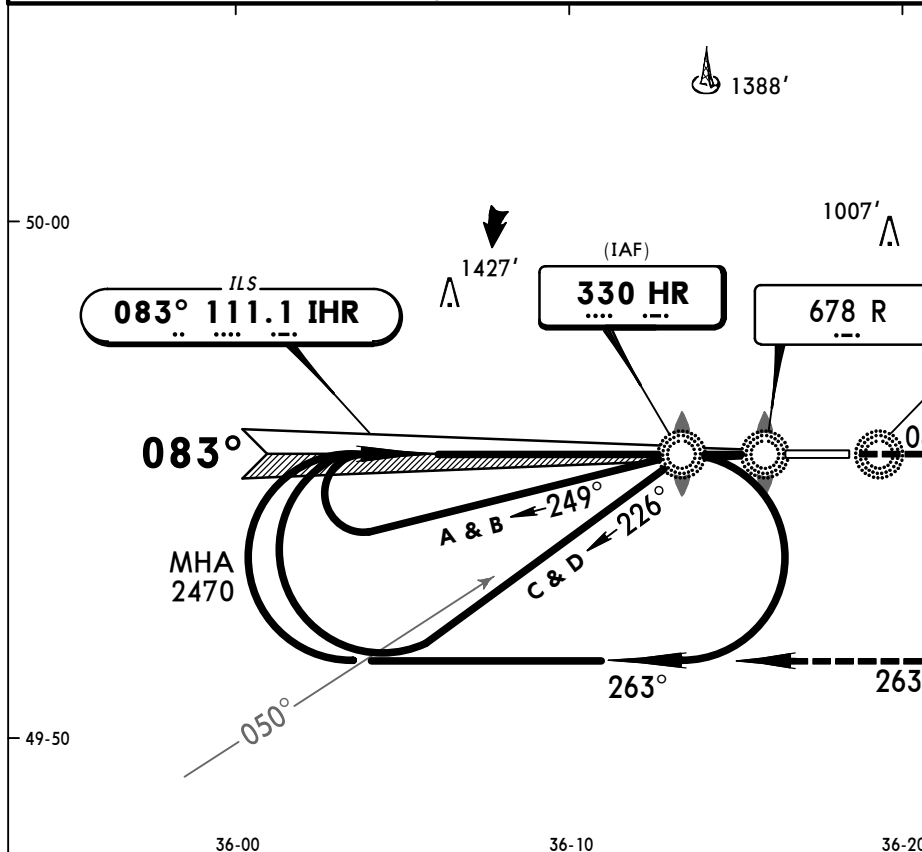
BRIEFING STRIP

ATIS		KHARKIV Approach (R)		KHARKIV Tower		Ground	
126.75 (Russian 127.6)		118.1	123.7	133.9	118.1		119.0
LOC IHR 111.1	Final Apch Crs 083°	GS LOM 1165' (671')	ILS DA(H) Refer to Minimums		Apt Elev 508' RWY 494'		2700' MSA HR NDB
MISSED APCH: Climb on 083° to 1150', then turn RIGHT onto 263° climbing to 2470', then according to chart.							
Alt Set: hPa (MM on req) Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 10010'							

Alt Set: hPa (MM on req) Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 10010'

FT/METER CONVERSION
QNH

10010'	-	3050m
4930'	-	1500m
2470'	-	750m
1150'	-	350m



Gnd speed-Kts	70	90	100	120	140	160	ALS	1150'	on 083°	263°	2470'
GS	2.83°	356	457	508	610	711	813				

JAR-OPS				STRAIGHT-IN LANDING RWY 08		CIRCLE-TO-LAND	
DA(H) A: 712' (218') C: 732' (238') B: 722' (228') D: 741' (247')		LOC (GS out)					
FULL		ALS out					
A						Max Kts	MDA(H) VIS
B						100	1050' (556') 1500m
C	RVR 800m	RVR 1000m				135	1200' (706') 1600m
D						180	1420' (926') 2400m
						205	1420' (926') 3600m

1 Circling height based on rwy 08 thresh elev of 494'.

CHANGES: Circling minimums.

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UKHH/HRK OSNOVA

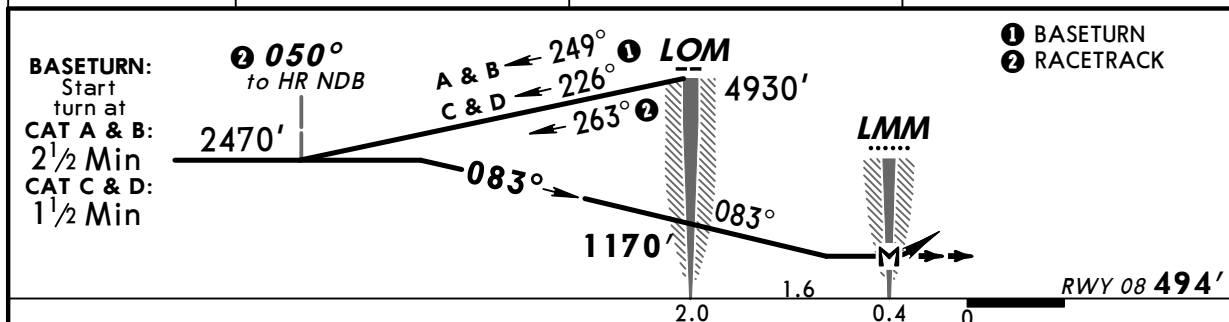
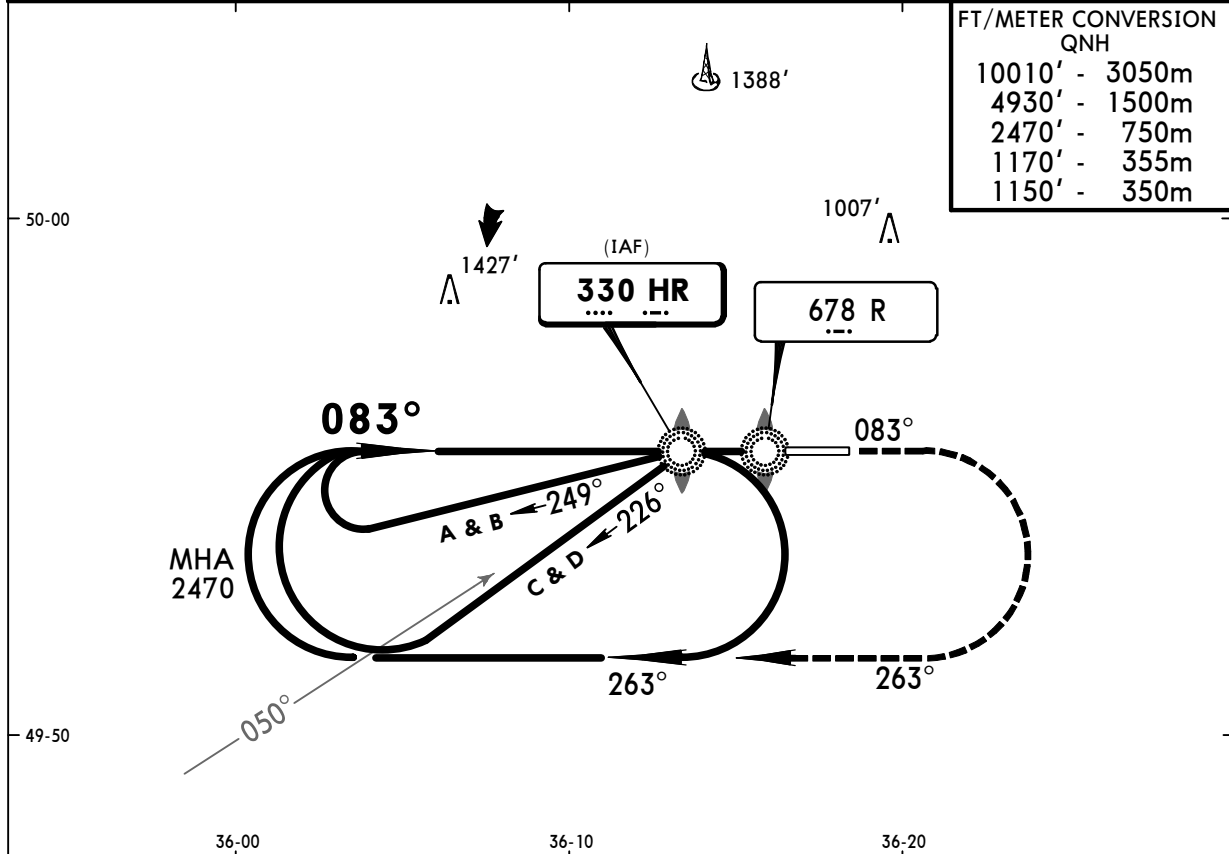
JEPPESEN
15 APR 11 (16-1)

KHARKIV, UKRAINE
NDB Rwy 08

BRIEFING STRIP™

ATIS		KHARKIV Approach (R)		KHARKIV Tower		Ground	
126.75 (Russian 127.6)		118.1	123.7	133.9	118.1	119.0	
NDB HR 330	Final Apch Crs 083°	Minimum Alt LOM 1170' (676')	MDA(H) (CONDITIONAL) 870' (376')	Apt Elev 508' RWY 494'		 2700'	
MISSED APCH: Climb on 083° to 1150', then turn RIGHT onto 263° climbing to 2470', then according to chart.							
Alt Set: hPa (MM on req)		Rwy Elev: 18 hPa		Trans level: By ATC		Trans alt: 10010'	

FT/METER CONVERSION	
QNH	
10010'	3050m
4930'	1500m
2470'	750m
1170'	355m
1150'	350m



<i>Gnd speed-Kts</i>	70	90	100	120	140	160	ALS ↓ 1150' ↑ on 083° 263° ↗ RT 2470' ↑
<i>Desc angle 2.81°</i>	348	447	497	596	696	795	
<i>MAP at LMM</i>							

JAR-OPS

STRAIGHT-IN LANDING RWY 08

CIRCLE-TO-LAND¹

with LOM			w/o LOM		Max Kts.	MDA(H)	VIS
MDA(H) 870' (376')			MDA(H) 1050' (556')				
		ALS out		ALS out	100	1050'	1500m
A	RVR 1300m	RVR 1500m	RVR 1500m	RVR 1500m	135	1200'	1600m
B	RVR 1400m						
C	RVR 1600m	RVR 1800m	RVR 1800m	RVR 2000m	180	1420'	2400m
D	RVR 1800m	RVR 2000m	RVR 2000m		205	1420'	3600m

1 Circling height based on rwy 08 thresh elev of 494'.

CHANGES: Minimums.

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PANS OPS

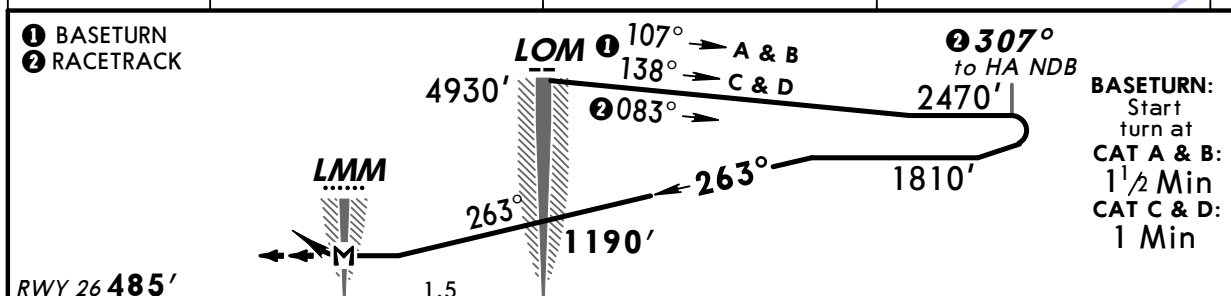
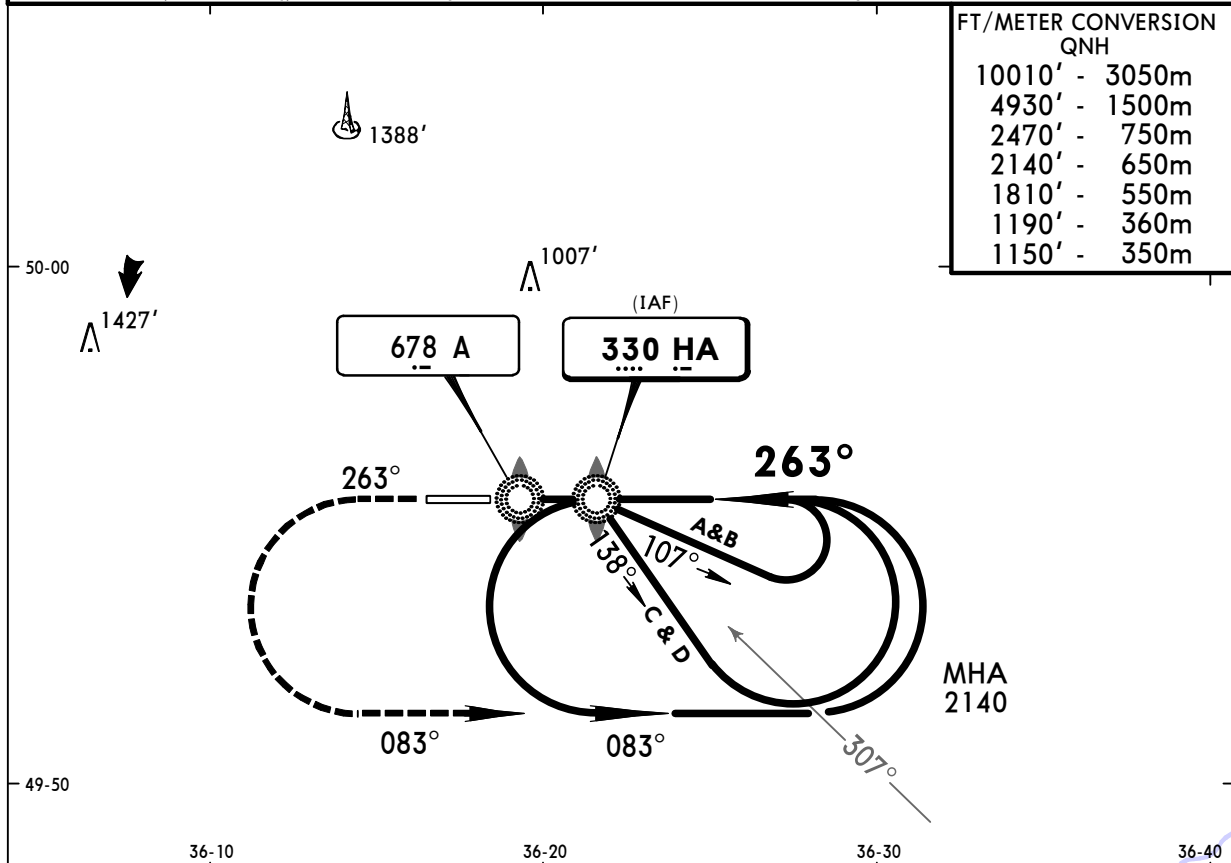
UKHH/HRK
OSNOVA

JEPPESEN
15 APR 11 **(16-2)**

KHARKIV, UKRAINE
NDB Rwy 26

BRIEFING STRIP

ATIS		KHARKIV Approach (R)		KHARKIV Tower		Ground	
126.75 (Russian 127.6)		118.1	123.7 133.9	118.1		119.0	
NDB HA 330	Final Apch Crs 263°	Minimum Alt LOM 1190' (705')	MDA(H) (CONDITIONAL) 870' (385')	Apt Elev 508' RWY 485'		2700' MSA HA NDB	
MISSED APCH: Climb on 263 ° to 1150', then turn LEFT onto 083° climbing to 2470', then according to chart.							
Alt Set: hPa (MM on req) Rwy Elev: 18 hPa Trans level: By ATC Trans alt: 10010'							



RWY 26 485'						1150' on 263°		083° LT	2470'
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JAR-OPS				STRAIGHT-IN LANDING RWY 26		CIRCLE-TO-LAND	
		with LOM		w/o LOM		Max Kts	MDA(H) VIS
		MDA(H) 870' (385')		MDA(H) 1070' (585')		100	1070' (585') 1500m
A	RVR 1500m		RVR 1500m			135	1200' (715') 1600m
B	RVR 1800m		RVR 2000m			180	1420' (935') 2400m
C	RVR 2000m					205	1420' (935') 3600m

1 Circling height based on rwy 26 thresh elev of 485'.

CHANGES: MDA(H).

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