

List of pages in this Trip Kit

Trip Kit Index

Airport Information For UKHH

Terminal Charts For UKHH

Revision Letter For Cycle 01-2014

Change Notices

Notebook

General Information

Location: Kharkiv Ukr
IATA Code: HRK
Lat/Long: N49° 55.6' E036° 17.4'
Elevation: 529 ft

Airport Use: Public
Magnetic Variation: 8.0°E

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

Sunrise: 0532 Z
Sunset: 1349 Z,

Runway Information

Runway: 07
Length x Width: 8202 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 495 ft
Lighting: Edge, ALS, Centerline, TDZ

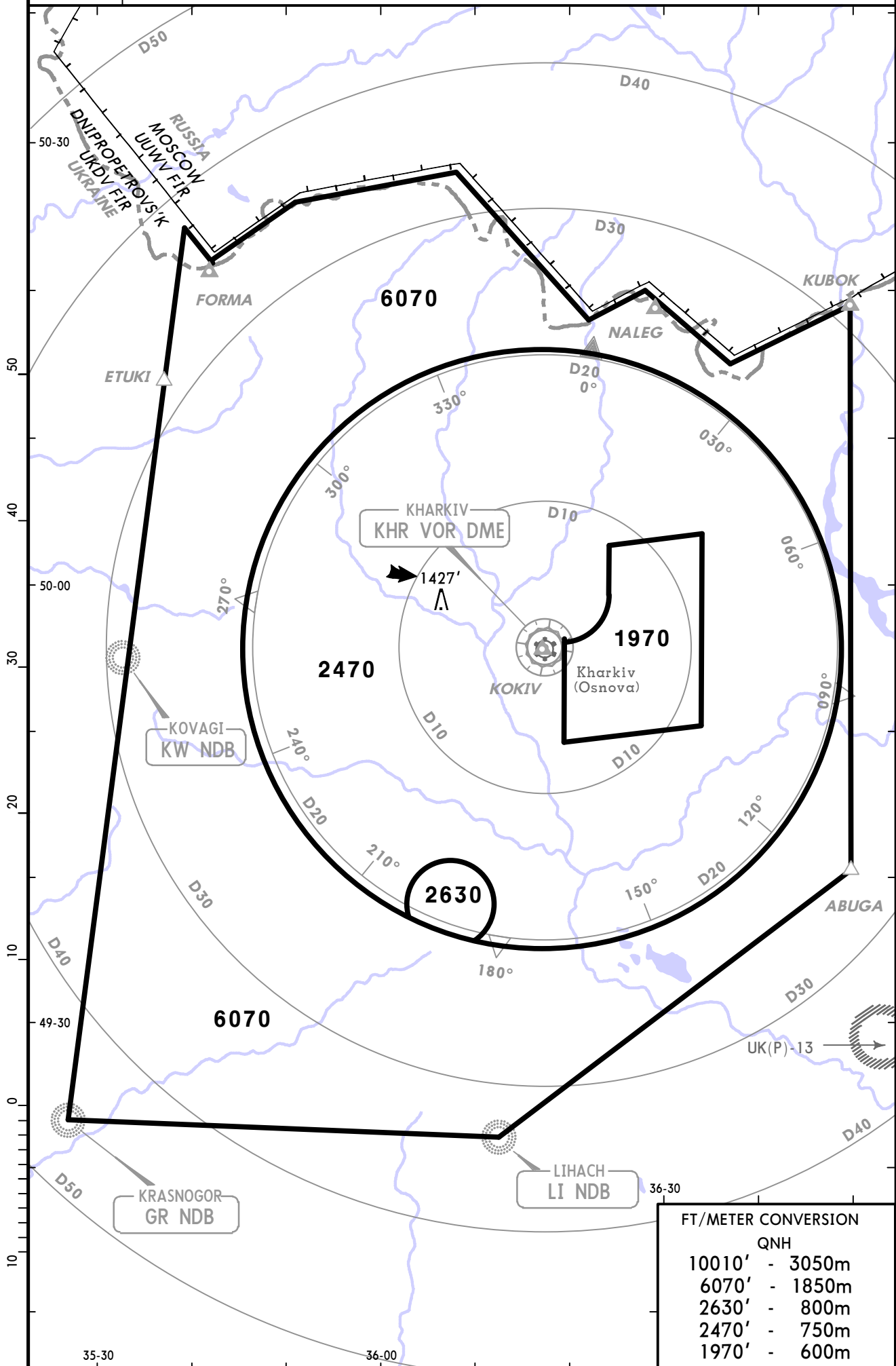
Runway: 25
Length x Width: 8202 ft x 148 ft
Surface Type: concrete
TDZ-Elev: 529 ft
Lighting: Edge, ALS, Centerline, TDZ

Communication Information

ATIS 127.6 Non-English
ATIS 126.75
Kharkiv Tower 118.1
Kharkiv Ground Control 133.25
Kharkiv Radar Approach Control 133.9
Kharkiv Radar Approach Control 132.125
Kharkiv Radar Approach Control 118.8

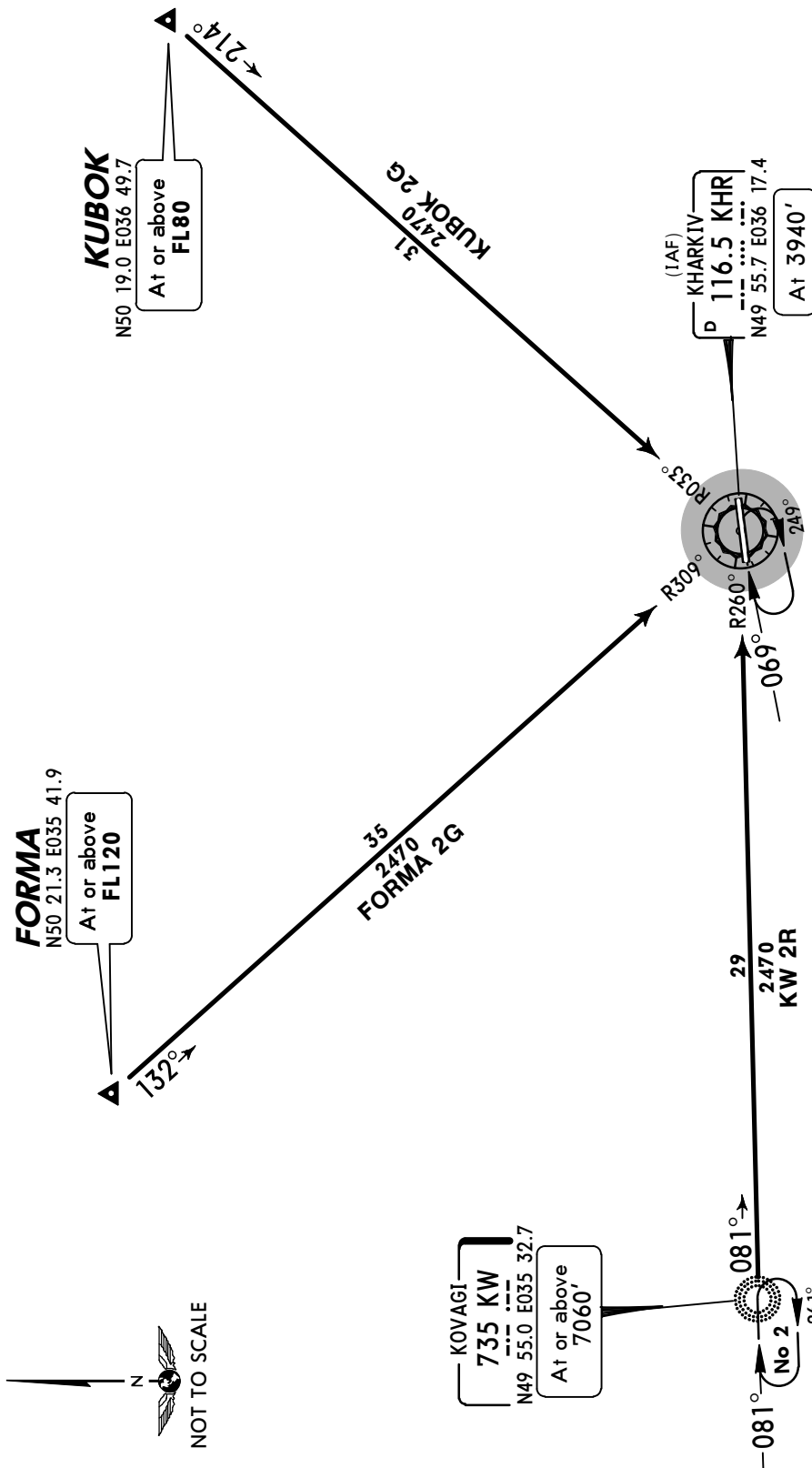
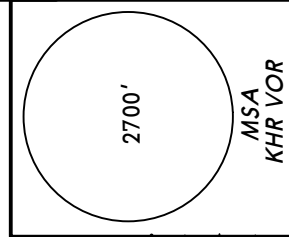
Apt Elev
529'

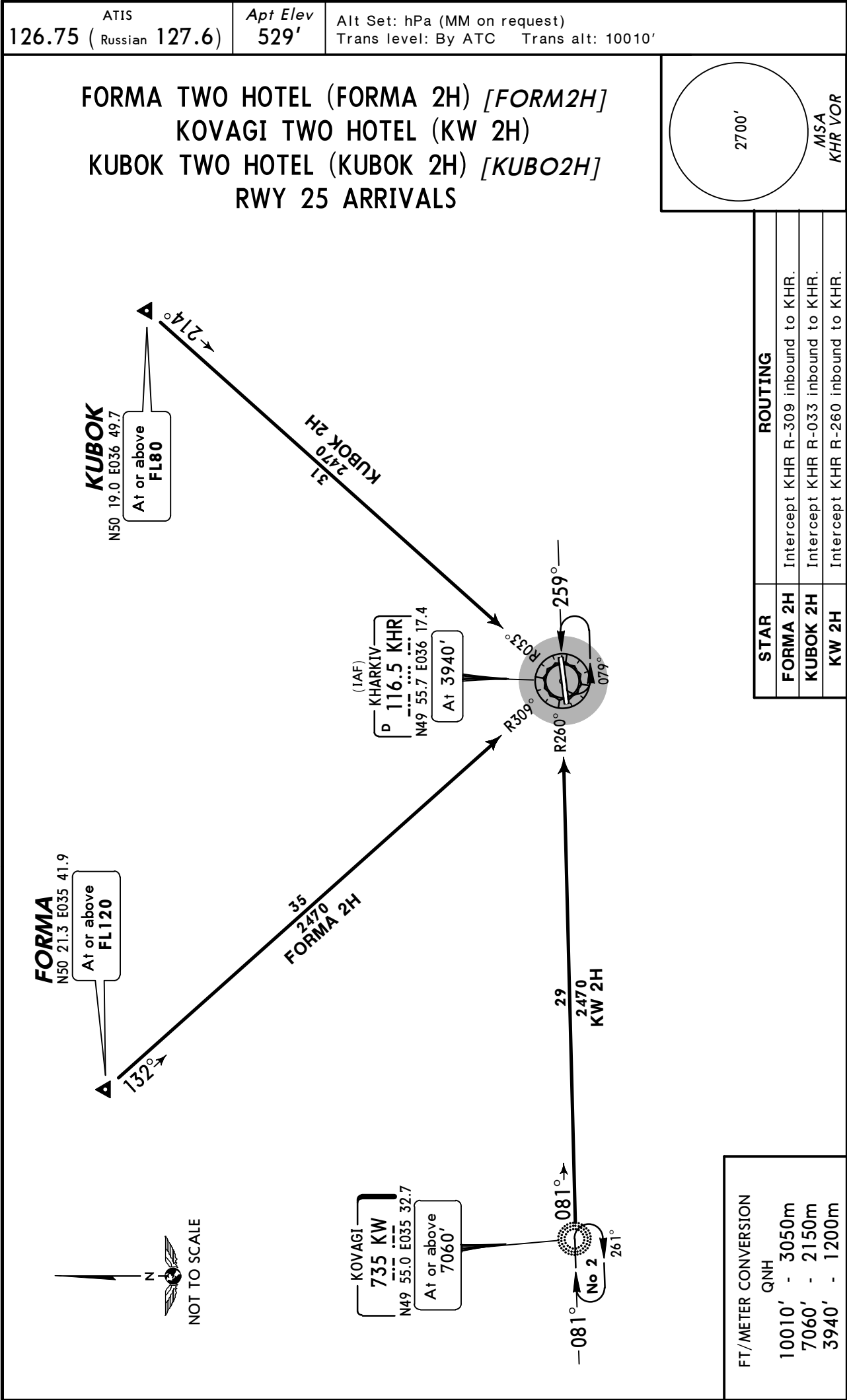
Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010'
This chart may only be used for cross-checking of altitudes assigned while under radar control.



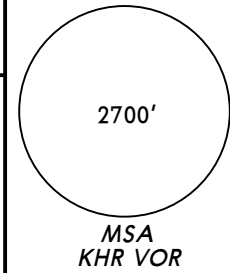
ATIS
126.75 (Russian 127.6) Apt Elev 529' Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'

FORMA TWO GOLF (FORMA 2G) [FORM2G]
KOVAGI TWO ROMEO (KW 2R)
KUBOK TWO GOLF (KUBOK 2G) [KUBO2G]
RWY 07 ARRIVALS





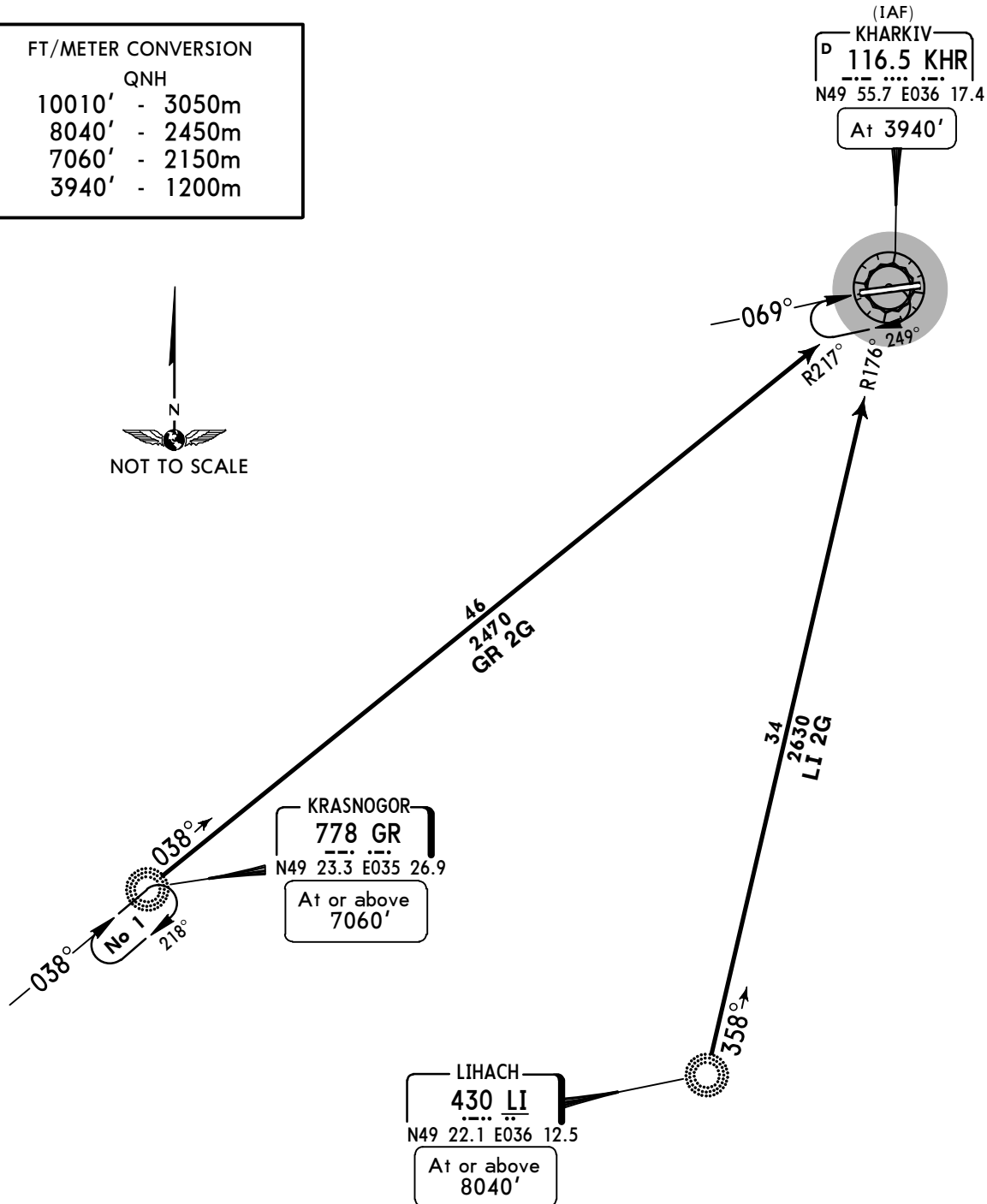
ATIS
126.75 (Russian 127.6) Apt Elev 529'
Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'



KRASNOGOR TWO GOLF (GR 2G)
LIHACH TWO GOLF (LI 2G)
RWY 07 ARRIVALS

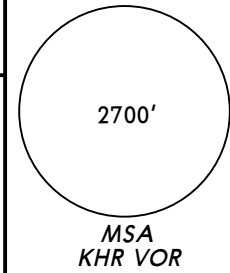
FT/METER CONVERSION

QNH	
10010'	- 3050m
8040'	- 2450m
7060'	- 2150m
3940'	- 1200m



STAR	ROUTING
GR 2G	Intercept KHR R-217 inbound to KHR.
LI 2G	Intercept KHR R-176 inbound to KHR.

ATIS
126.75 (Russian 127.6) Apt Elev 529'
Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'



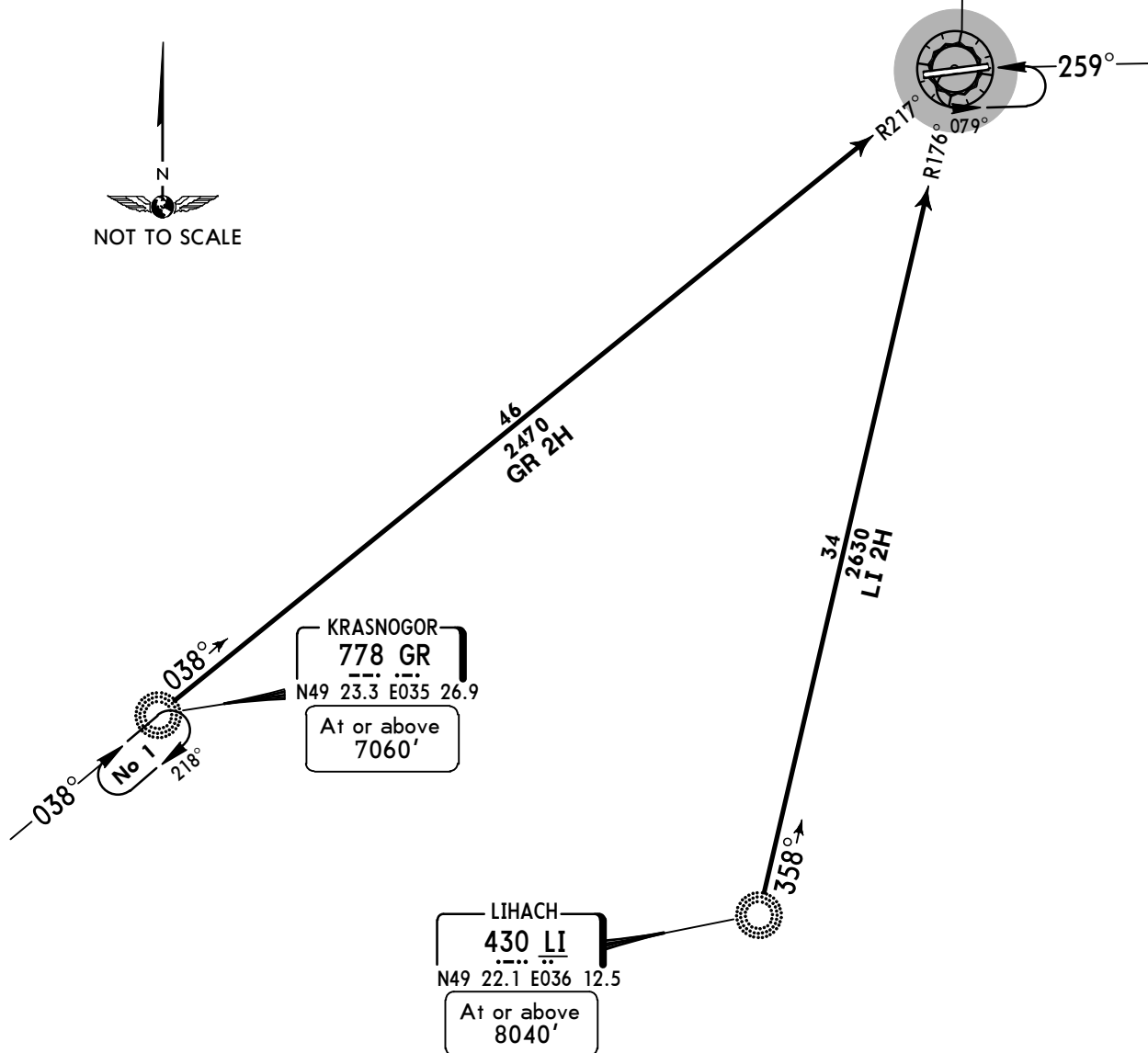
KRASNOGOR TWO HOTEL (GR 2H)
LIHACH TWO HOTEL (LI 2H)
RWY 25 ARRIVALS

FT/METER CONVERSION

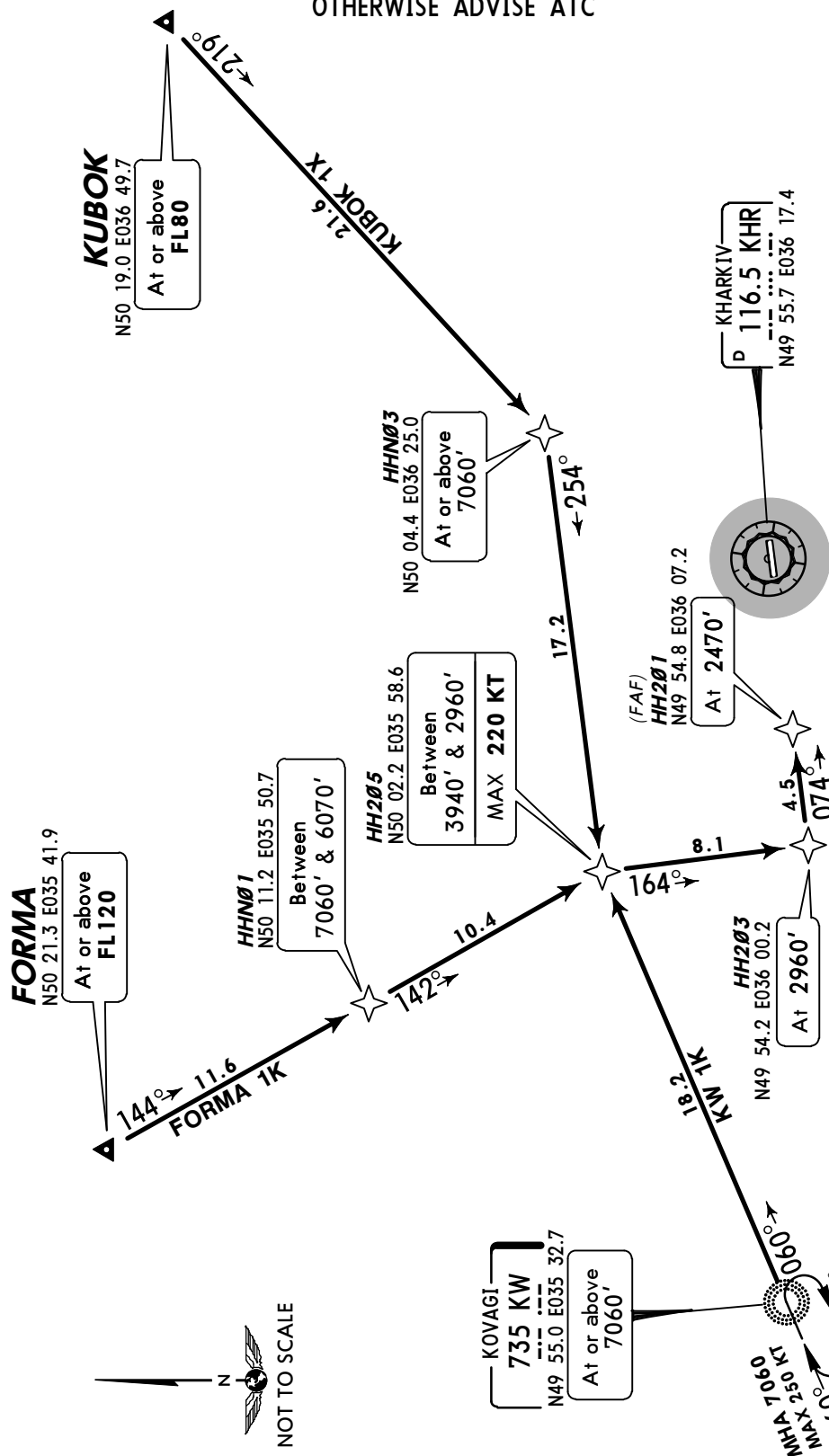
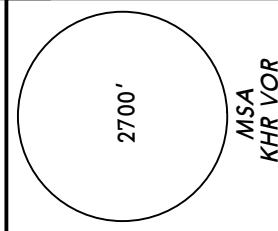
QNH
10010' - 3050m
8040' - 2450m
7060' - 2150m
3940' - 1200m



(IAF)
KHARKIV
D 116.5 KHR
N49 55.7 E036 17.4
At 3940'



STAR	ROUTING
GR 2H	Intercept KHR R-217 inbound to KHR.
LI 2H	Intercept KHR R-176 inbound to KHR.

ATIS
126.75 (Russian 127.6)Apt Elev
529'Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'
EXPECT RADAR vectors to final.FORMA ONE KILO (FORMA 1K) [FORM1K]
KOVAGI ONE KILO (KW 1K)
KUBOK ONE X-RAY (KUBOK 1X) [KUBO1X]
RWY 07 RNAV TRANSITIONSRNAV (GNSS)
RNAV 1 (P-RNAV) APPROVAL REQUIRED
OTHERWISE ADVISE ATC

ROUTING

TRANSITION

TRANSITION	ROUTING
FORMA 1K	FORMA (FL120+) - HHN01 (7060'-; 6070'+) - HH205 (3940'-; 2960'+) - HH203 (2960') - HH201 (2470').
KUBOK 1X	KUBOX (FL180+) - HHN03 (7060'+) - HH205 (3940'-; 2960'+) - HH203 (2960') - HH201 (2470').
KW 1K	KW (7060'+) - HH205 (3940'-; 2960'+) - HH203 (2960') - HH201 (2470').

FT/METER CONVERSION

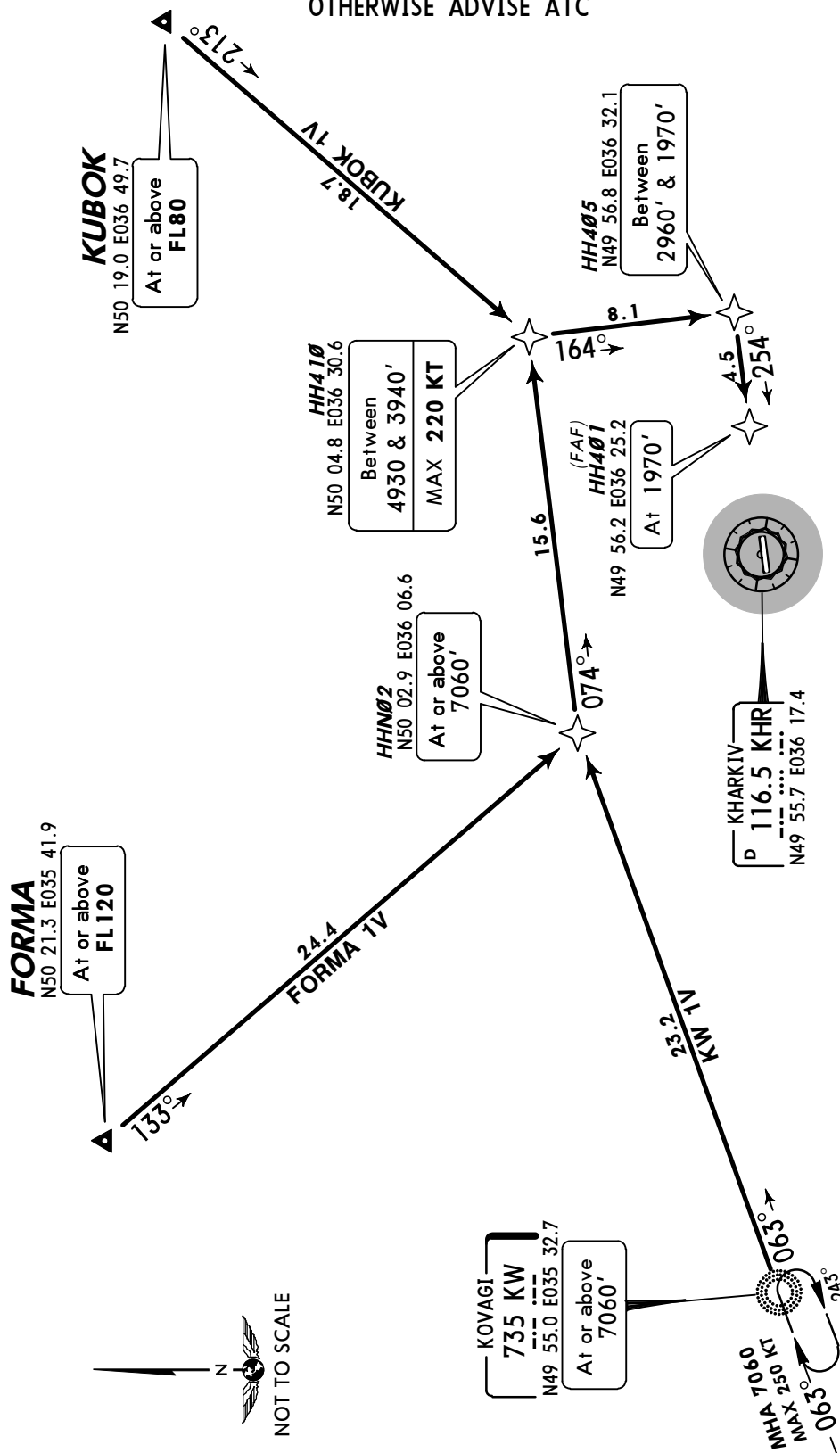
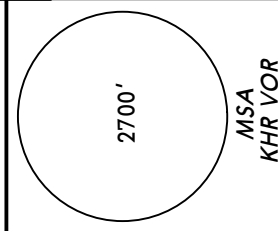
QNH

10010'	-	3050m
7060'	-	2150m
6070'	-	1850m
3940'	-	1200m
2960'	-	900m
2470'	-	750m

ATIS
126.75 (Russian 127.6)
Apt Elev
529'
Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'
EXPECT RADAR vectors to final.

FORMA ONE VICTOR (FORMA 1V) [FORM1V]
KOVAGI ONE VICTOR (KW 1V)
KUBOK ONE VICTOR (KUBOK 1V) [KUBO1V]
RWY 25 RNAV TRANSITIONS

RNAV (GNSS)
RNAV 1 (P-RNAV) APPROVAL REQUIRED
OTHERWISE ADVISE ATC



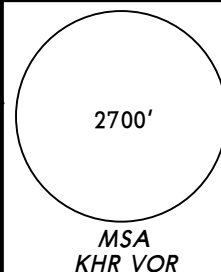
ROUTING

TRANSITION

FORMA 1V	FORMA (FL120+) - HHN02 (7060'+) - HH410 (4930'-; 3940'+; K220-) - HH405 (2960'-; 1970'+) - HH401 (1970').
KUBOK 1V	KUBOK (FL80+) - HH410 (4930'-; 3940'+; K220-) - HH405 (2960'-; 1970'+) - HH401 (1970').
KW 1V	KW (7060'+) - HHN02 (7060'+) - HH410 (4930'-; 3940'+; K220-) - HH405 (2960'-; 1970'+) - HH401 (1970').

FT/METER CONVERSION

QNH	
10010'	- 3050m
7060'	- 2150m
4930'	- 1500m
3940'	- 1200m
2960'	- 900m
1970'	- 600m

ATIS
126.75 (Russian 127.6)Apt Elev
529'Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'
EXPECT RADAR vectors to final.

KRASNOGOR ONE KILO (GR 1K)

LIHACH ONE KILO (LI 1K)

RWY 07 RNAV TRANSITIONS

RNAV (GNSS)

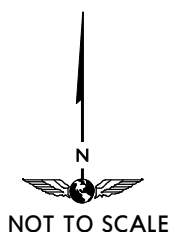
RNAV 1 (P-RNAV) APPROVAL REQUIRED

OTHERWISE ADVISE ATC

FT/METER CONVERSION

QNH

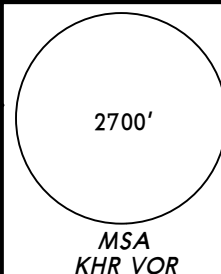
10010'	-	3050m
8040'	-	2450m
7060'	-	2150m
6070'	-	1850m
4930'	-	1500m
3940'	-	1200m
2960'	-	900m
2470'	-	750m

KRASNOGOR
778 GR
N49 23.3 E035 26.9At or above
7060'MHA 7060
MAX 250 KT
034°
214°34.2
GR 1K(FAF)
HH201
N49 54.8 E036 07.2
At 2470'HH203
N49 54.2 E036 00.2
At 2960'HHS01
N49 49.2 E036 01.2Between
3940' & 2960'

MAX 220 KT

HHS03
N49 40.0 E036 04.7Between
6070' & 4930'19.5
LI 1KLIHACH
430 LI
N49 22.1 E036 12.5At or above
8040'

TRANSITION	ROUTING
GR 1K	GR (7060'+) - HHS01 (3940'-; 2960'+; K220-) - HH203 (2960') - HH201 (2470').
LI 1K	LI (8040'+) - HHS03 (6070'-; 4930'+) - HS001 (3940'-; 2960'+; K220-) - HH203 (2960') - HH201 (2470').

ATIS
126.75 (Russian 127.6)Apt Elev
529'Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'
EXPECT RADAR vectors to final.

KRASNOGOR ONE VICTOR (GR 1V)

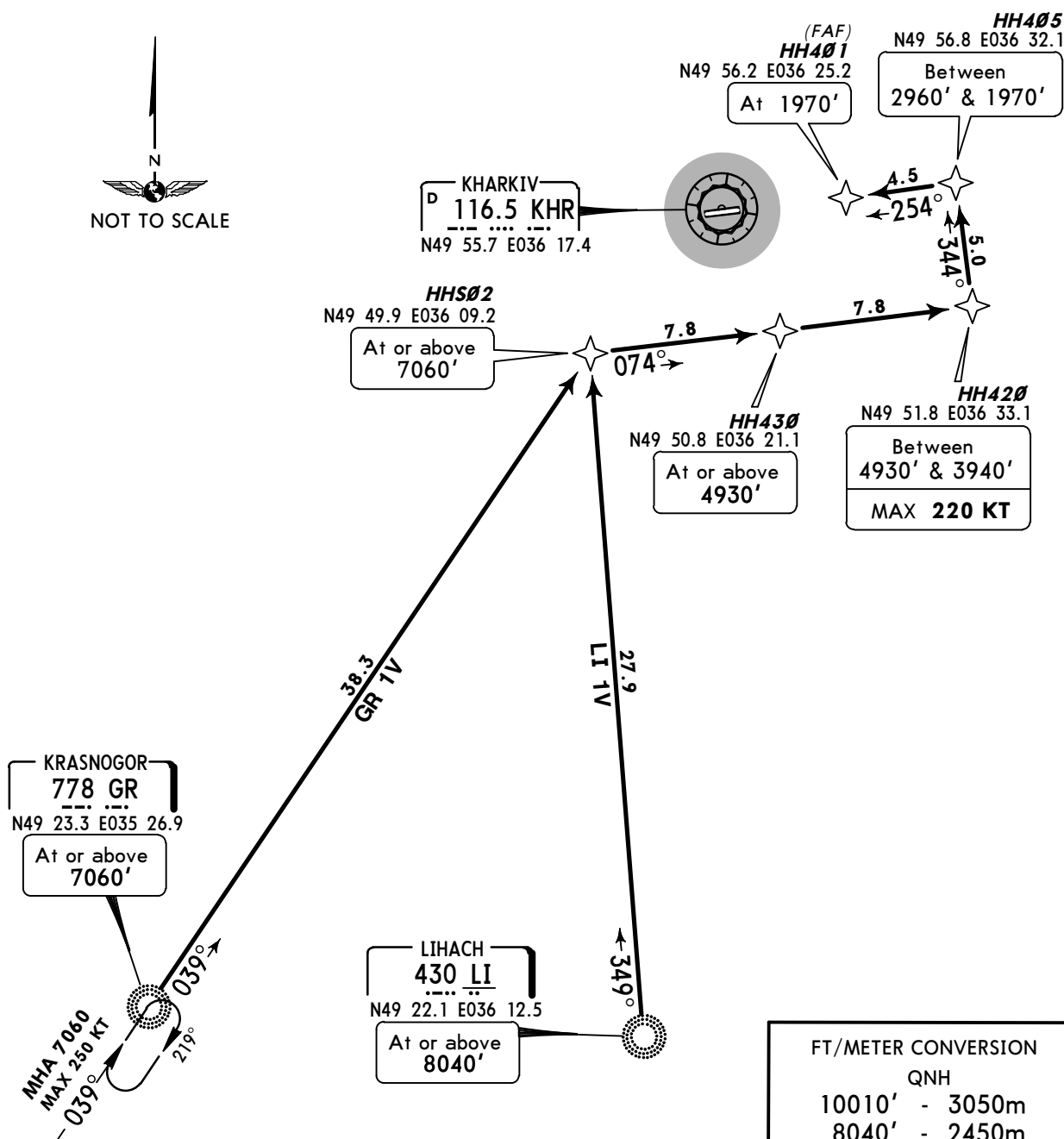
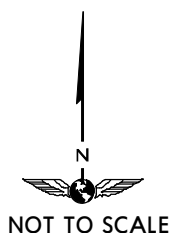
LIHACH ONE VICTOR (LI 1V)

RWY 25 RNAV TRANSITIONS

RNAV (GNSS)

RNAV 1 (P-RNAV) APPROVAL REQUIRED

OTHERWISE ADVISE ATC



TRANSITION

ROUTING

GR 1V

GR (7060'+) - HHS02 (7060'+) - HH430 (4930'+) - HH420 (4930'-; 3940'+; K220-) - HH405 (2960'-; 1970'+) - HH401 (1970').

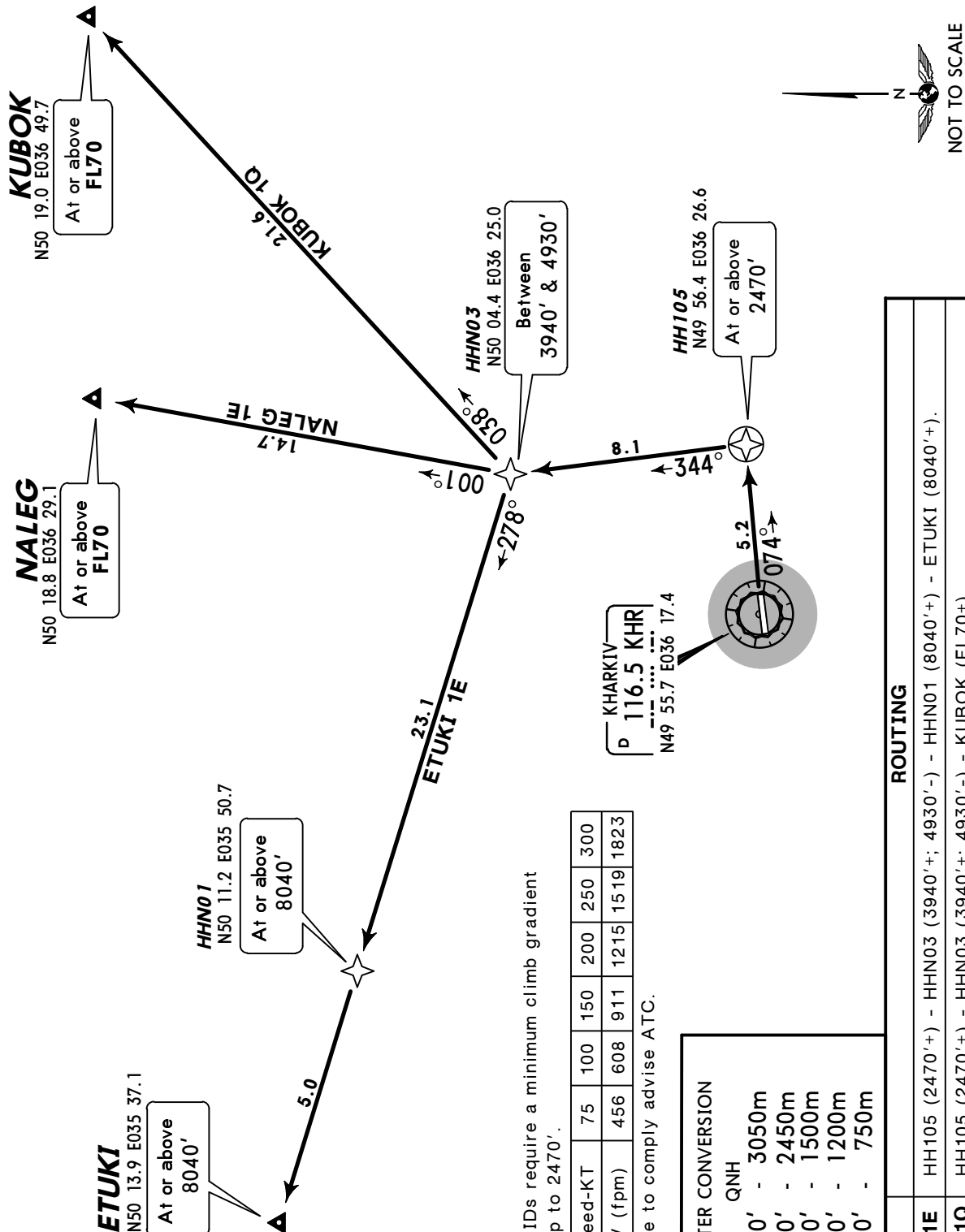
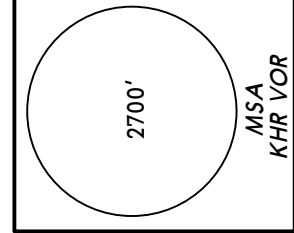
LI 1V

LI (8040'+) - HHS02 (7060'+) - HH430 (4930'+) - HH420 (4930'-; 3940'+; K220-) - HH405 (2960'-; 1970'+) - HH401 (1970').

Apt Elev
529'

Trans level: By ATC Trans alt: 10010'

ETUKI ONE ECHO (ETUKI 1E) [ETUK1E]
KUBOK ONE QUEBEC (KUBOK 1Q) [KUBO1Q]
NALEG ONE ECHO (NALEG 1E) [NALE1E]
RWY 07 RNAV DEPARTURES
RNAV (GNSS)
RNAV 1 (P-RNAV) APPROVAL REQUIRED
OTHERWISE ADVISE ATC



These SIDs require a minimum climb gradient of 6% up to 2470'.
If unable to comply advise ATC.

Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

FT/METER CONVERSION

QNH	10010'	3050m
	8040'	2450m
	4930'	1500m
	3940'	1200m
	2470'	750m

ROUTING

SID	ROUTING
ETUKI 1E	HH105 (2470'+) - HHN03 (3940'+; 4930'-) - HHN01 (8040'+) - ETUKI (8040'+).
KUBOK 1Q	HH105 (2470'+) - HHN03 (3940'+; 4930'-) - KUBOK (FL70+).
NALEG 1E	HH105 (2470'+) - HHN03 (3940'+; 4930'-) - NALEG (FL70+).

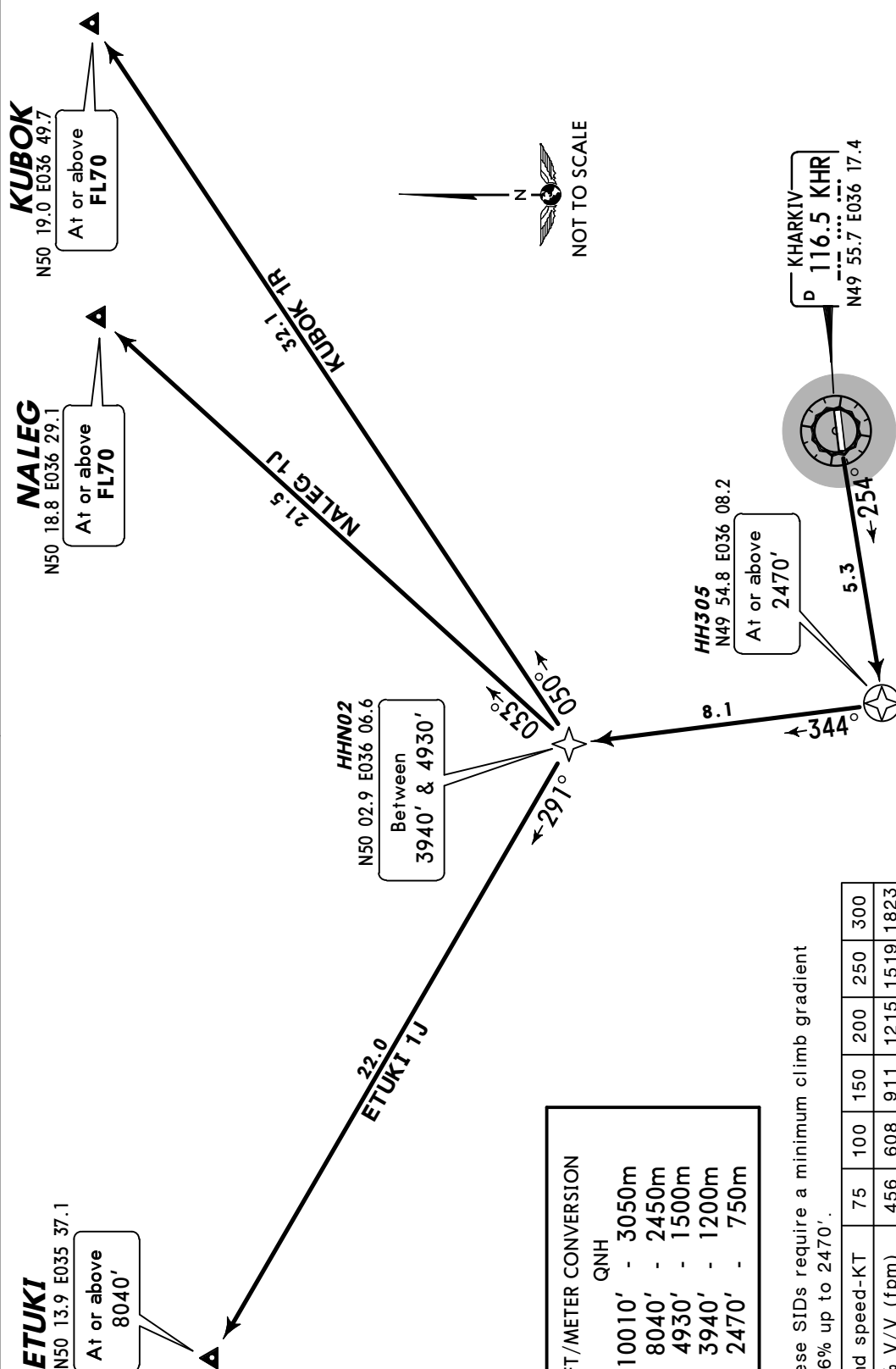
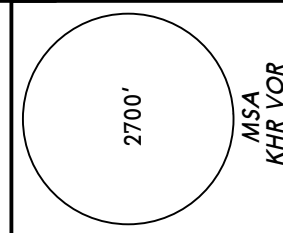
Apt Elev
529'

Trans level: By ATC Trans alt: 10010'

ETUKI ONE JULIETT (ETUKI 1J) [ETUK1J]
KUBOK ONE ROMEO (KUBOK 1R) [KUBO1R]
NALEG ONE JULIETT (NALEG 1J) [NALE1J]

RWY 25 RNAV DEPARTURES

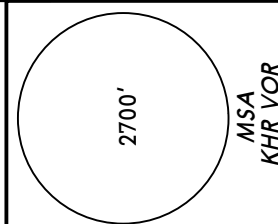
RNAV (GNSS)
RNAV 1 (P-RNAV) APPROVAL REQUIRED
OTHERWISE ADVISE ATC



Apt Elev
529'

Trans level: By ATC Trans alt: 10010'

ABUGA ONE ECHO (ABUGA 1E) [ABUG1E]
KOVAGI ONE ECHO (KW 1E)
KRASNOGOR ONE ECHO (GR 1E)
LIHACH ONE ECHO (LI 1E)
RWY 07 RNAV DEPARTURES
RNAV (GNSS)
RNAV 1 (P-RNAV) APPROVAL REQUIRED
OTHERWISE ADVISE ATC



FT/METER CONVERSION	
QNH	
10010'	- 3050m
8040'	- 2450m
7060'	- 2150m
4930'	- 1500m
3940'	- 1200m
2470'	- 750m

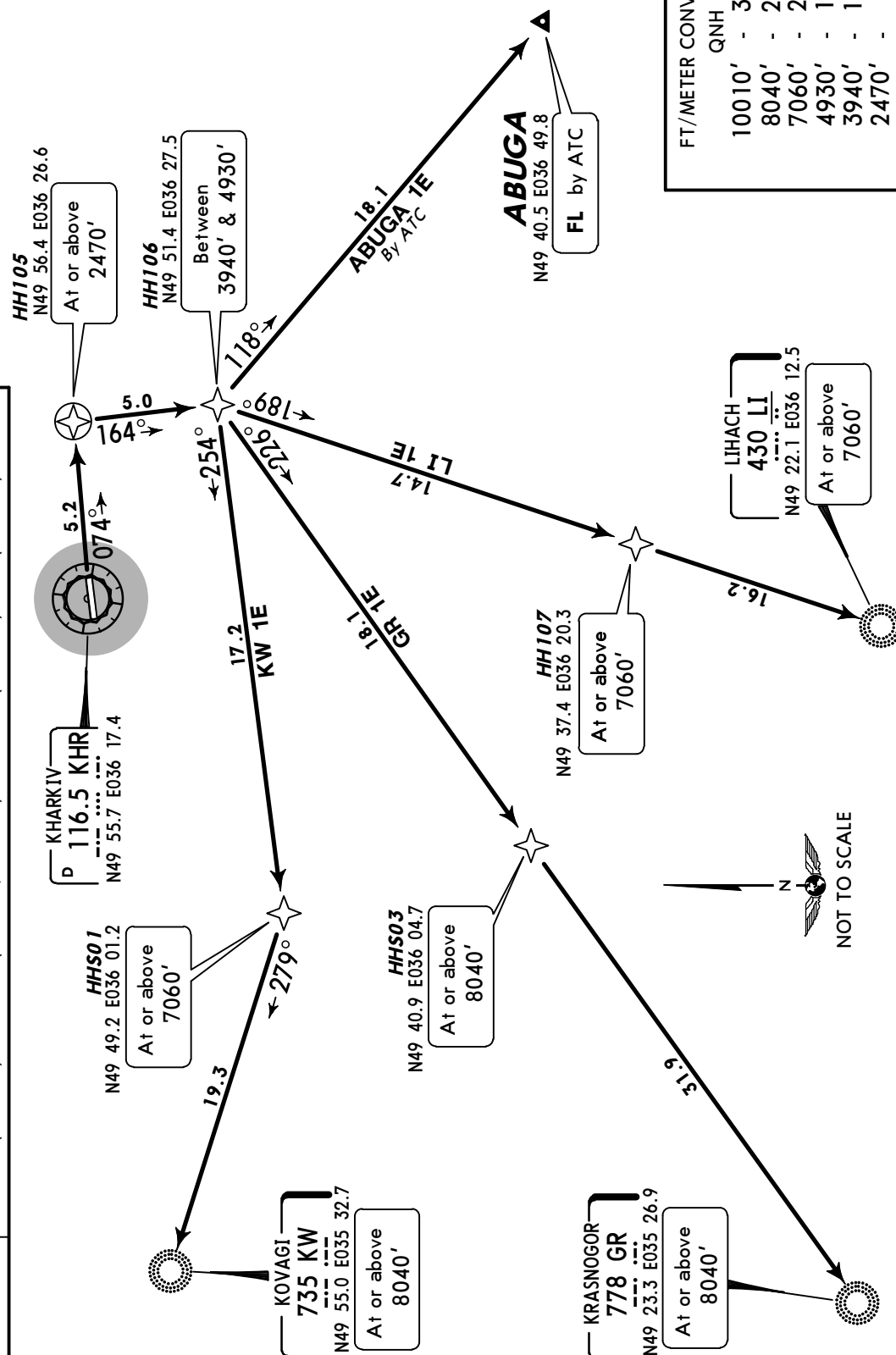
These SIDs require a minimum climb gradient of 6% up to 2470'.

Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

ROUTING

SID	
ABUGA 1E By ATC	HH105 (2470'+) - HH106 (3940'+; 4930'-) - ABUGA (FL BY ATC).
GR 1E	HH105 (2470'+) - HH106 (3940'+; 4930'-) - HHS03 (8040'+) - GR (8040'+).
KW 1E	HH105 (2470'+) - HH106 (3940'+; 4930'-) - HHS01 (7060'+) - KW (8040'+).
LI 1E	HH105 (2470'+) - HH106 (3940'+; 4930'-) - HH107 (7060'+) - LI (7060'+).



Trans level: By ATC Trans alt: 10010'

2700'

MSA
KHR VOR

FEET/METER CONVERSION	QNH
10010'	- 3050m
8040'	- 2450m
7060'	- 2150m
4930'	- 1500m
3940'	- 1200m
2470'	- 750m

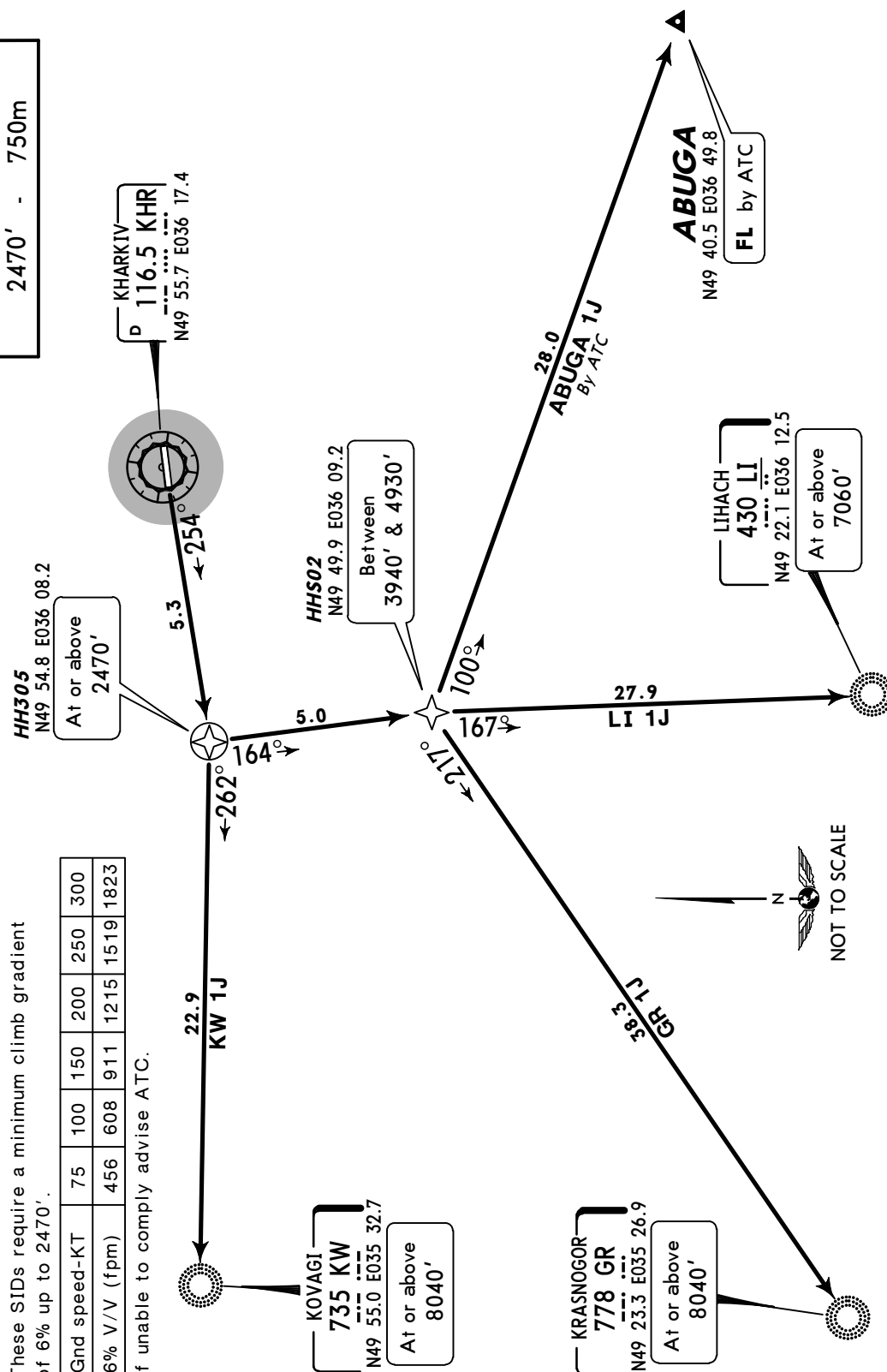
ROUTING

STAR	ROUTING
ABUGA 1J By ATC	HH305 (2470'+) - HHS02 (3940'+; 4930'-) - ABUGA (FL BY ATC).
GR 1J	HH305 (2470'+) - HHS02 (3940'+; 4930'-) - GR (8040'+).
KW 1J	HH305 (2470'+) - KW (8040'+).
LI 1J	HH305 (2470'+) - HHS02 (3940'+; 4930'-) - LI (7060'+).

These SIDs require a minimum climb gradient of 6% up to 2470'.

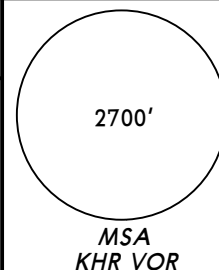
Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

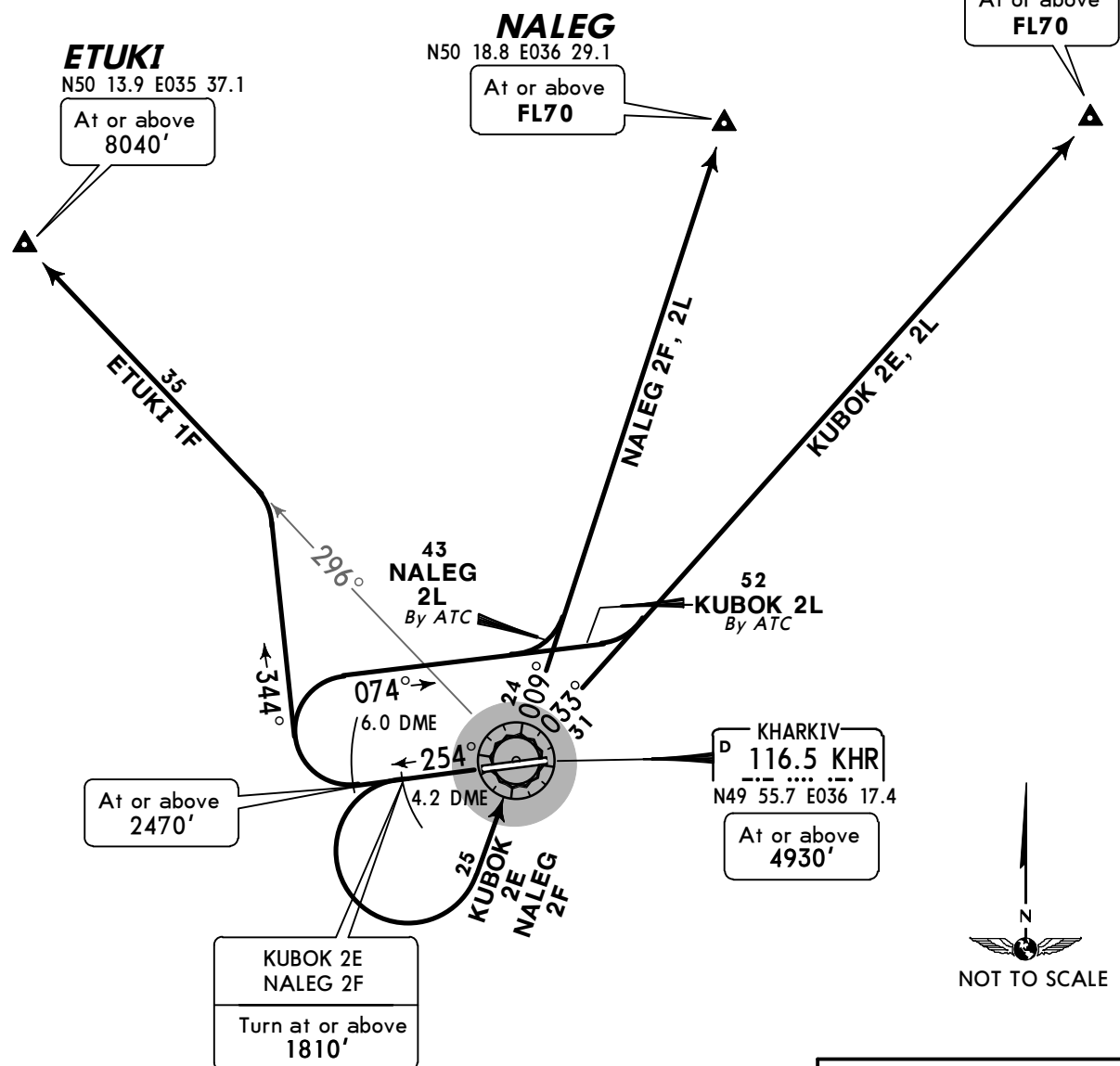


Apt Elev
529'

Trans level: By ATC Trans alt: 10010'



ETUKI ONE FOXTROT (ETUKI 1F) [ETUK1F]
KUBOK TWO ECHO (KUBOK 2E) [KUBO2E]
KUBOK TWO LIMA (KUBOK 2L) [KUBO2L]
NALEG TWO FOXTROT (NALEG 2F) [NALE2F]
NALEG TWO LIMA (NALEG 2L) [NALE2L]
RWY 25 DEPARTURES



These SIDs require a minimum climb gradient of
KUBOK 2E, NALEG 2F: 6% up to 1810'.
ETUKI 1F, KUBOK 2L, NALEG 2L: 6% up to 2470'.

Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

FT/METER CONVERSION

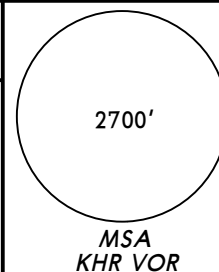
QNH

1810'	-	550m
2470'	-	750m
4930'	-	1500m
8040'	-	2450m
10010'	-	3050m

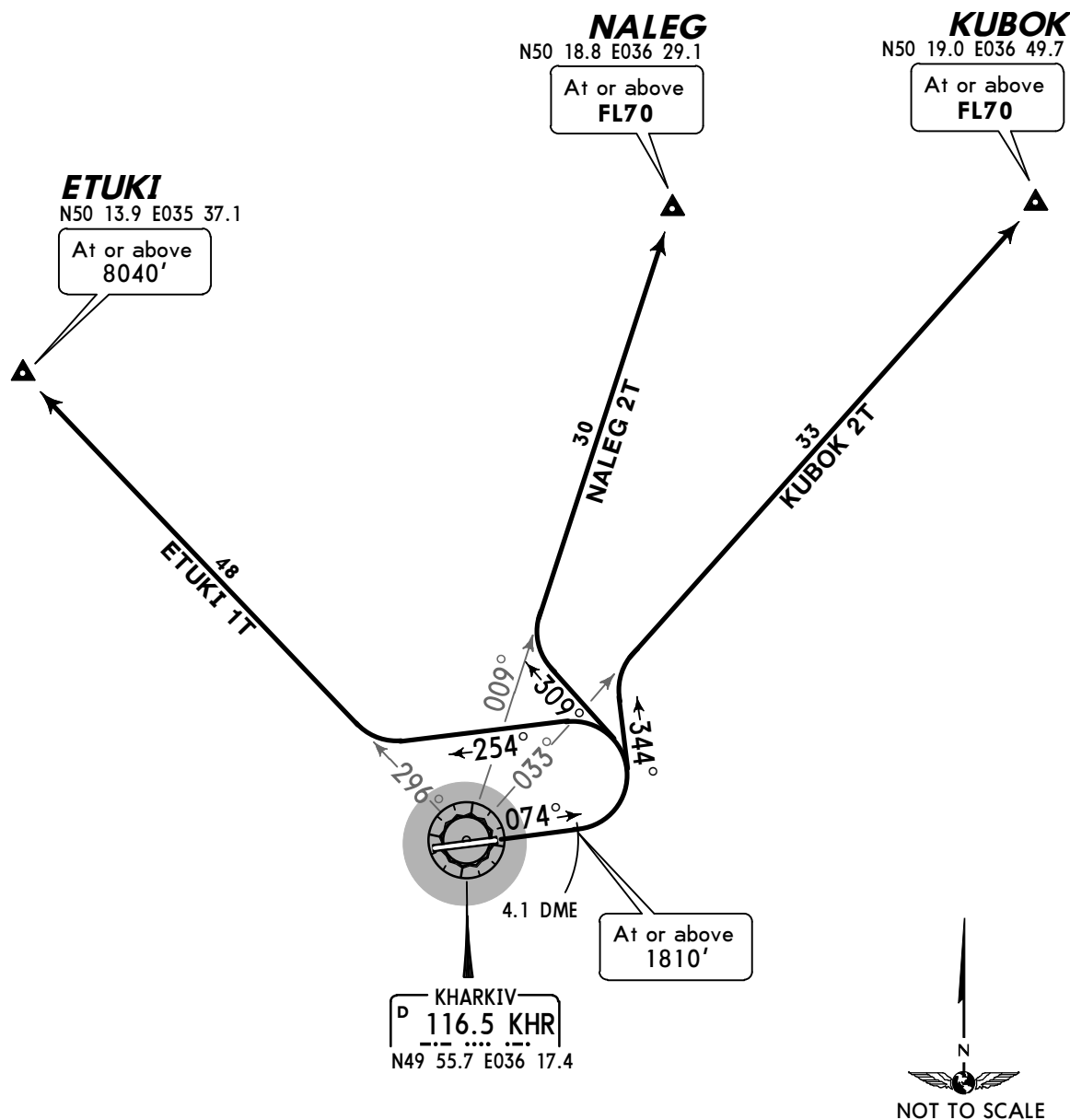
SID	ROUTING
ETUKI 1F	Climb on 254° track to KHR 6.0 DME, turn RIGHT, 344° track, intercept KHR R-296 to ETUKI.
KUBOK 2E	Climb on 254° track to KHR 4.2 DME, turn LEFT to KHR, KHR R-033 to KUBOK.
KUBOK 2L By ATC	Climb on 254° track to KHR 6.0 DME, turn RIGHT, 074° track, intercept KHR R-033 to KUBOK.
NALEG 2F	Climb on 254° track to KHR 4.2 DME, turn LEFT to KHR, KHR R-009 to NALEG.
NALEG 2L By ATC	Climb on 254° track to KHR 6.0 DME, turn RIGHT, 074° track, intercept KHR R-009 to NALEG.

Apt Elev
529'

Trans level: By ATC Trans alt: 10010'



ETUKI ONE TANGO (ETUKI 1T) [ETUK1T]
KUBOK TWO TANGO (KUBOK 2T) [KUBO2T]
NALEG TWO TANGO (NALEG 2T) [NALE2T]
RWY 07 DEPARTURES



These SIDs require a minimum climb gradient
of
6% up to 1810'.

Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

FT/METER CONVERSION

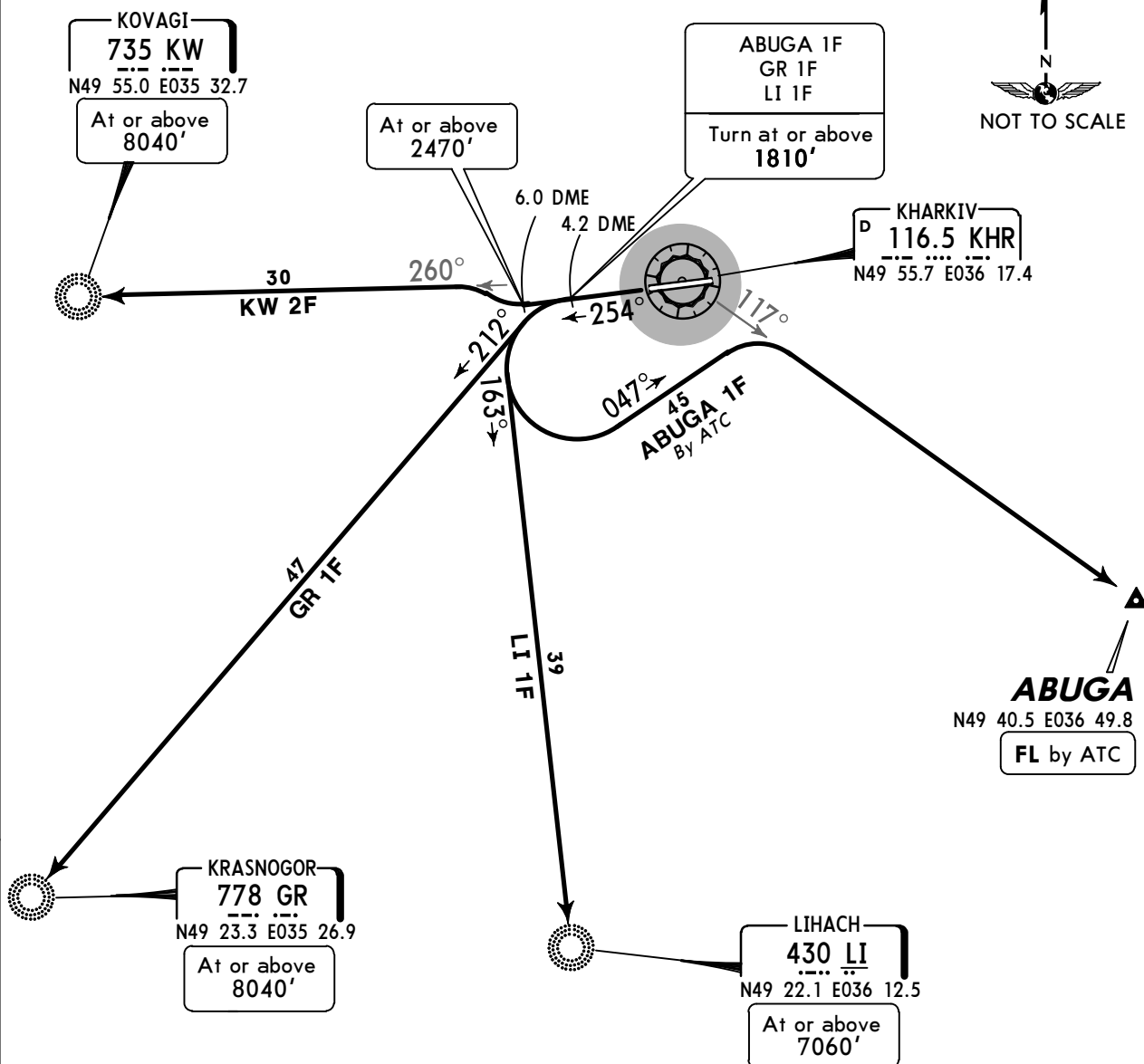
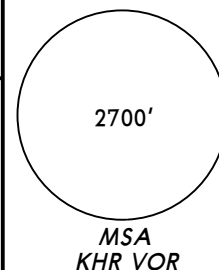
	QNH
1810'	- 550m
8040'	- 2450m
10010'	- 3050m

SID	ROUTING
ETUKI 1T	Climb on 074° track to KHR 4.1 DME, turn LEFT, 254° track, intercept KHR R-296 to ETUKI.
KUBOK 2T	Climb on 074° track to KHR 4.1 DME, turn LEFT, 344° track, intercept KHR R-033 to KUBOK.
NALEG 2T	Climb on 074° track to KHR 4.1 DME, turn LEFT, 309° track, intercept KHR R-009 to NALEG.

Apt Elev
529'

Trans level: By ATC Trans alt: 10010'

ABUGA ONE FOXTROT (ABUGA 1F) [ABUG1F]
KOVAGI TWO FOXTROT (KW 2F)
KRASNOGOR ONE FOXTROT (GR 1F)
LIHACH ONE FOXTROT (LI 1F)
RWY 25 DEPARTURES



These SIDs require a minimum climb gradient of

ABUGA 1F, GR 1F, LI 1F: 6% up to 1810'.
KW 2F: 6% up to 2470'.

Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

FT/METER CONVERSION

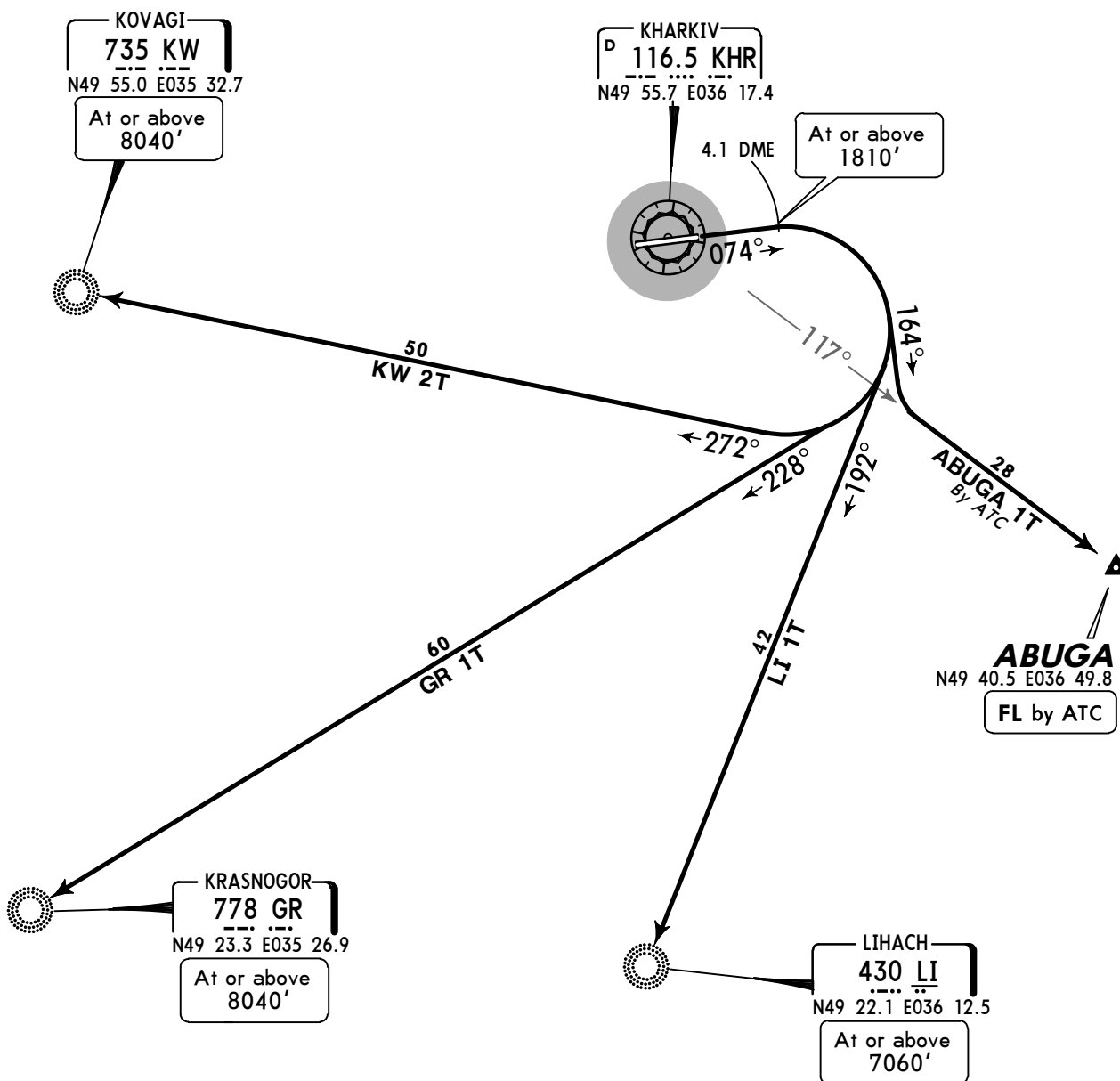
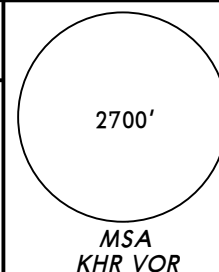
QNH

1810'	-	550m
2470'	-	750m
7060'	-	2150m
8040'	-	2450m
10010'	-	3050m

SID	ROUTING
ABUGA 1F By ATC	Climb on 254° track to KHR 4.2 DME, turn LEFT, 047° track, intercept KHR R-117 to ABUGA.
GR 1F	Climb on 254° track to KHR 4.2 DME, turn LEFT, intercept 212° bearing to GR.
KW 2F	Climb on 254° track to KHR 6.0 DME, turn RIGHT, intercept KHR R-260 to KW.
LI 1F	Climb on 254° track to KHR 4.2 DME, turn LEFT, intercept 163° bearing to LI.

Apt Elev
529'

Trans level: By ATC Trans alt: 10010'

ABUGA ONE TANGO (ABUGA 1T) [ABUG1T]
KOVAGI TWO TANGO (KW 2T)
KRASNOGOR ONE TANGO (GR 1T)
LIHACH ONE TANGO (LI 1T)
RWY 07 DEPARTURES

FT/METER CONVERSION

	QNH
1810'	550m
7060'	2150m
8040'	2450m
10010'	3050m

These SIDs require a minimum climb gradient
of
6% up to 1810'.

Gnd speed-KT	75	100	150	200	250	300
6% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

SID	ROUTING
ABUGA 1T By ATC	Climb on 074° track to KHR 4.1 DME, turn RIGHT, 164° track, intercept KHR R-117 to ABUGA.
GR 1T	Climb on 074° track to KHR 4.1 DME, turn RIGHT, intercept 228° bearing to GR.
KW 2T	Climb on 074° track to KHR 4.1 DME, turn RIGHT, intercept 272° bearing to KW.
LI 1T	Climb on 074° track to KHR 4.1 DME, turn RIGHT, intercept 192° bearing to LI.

UKHH/HRK

Apt Elev 529'
N49 55.6 E036 17.4

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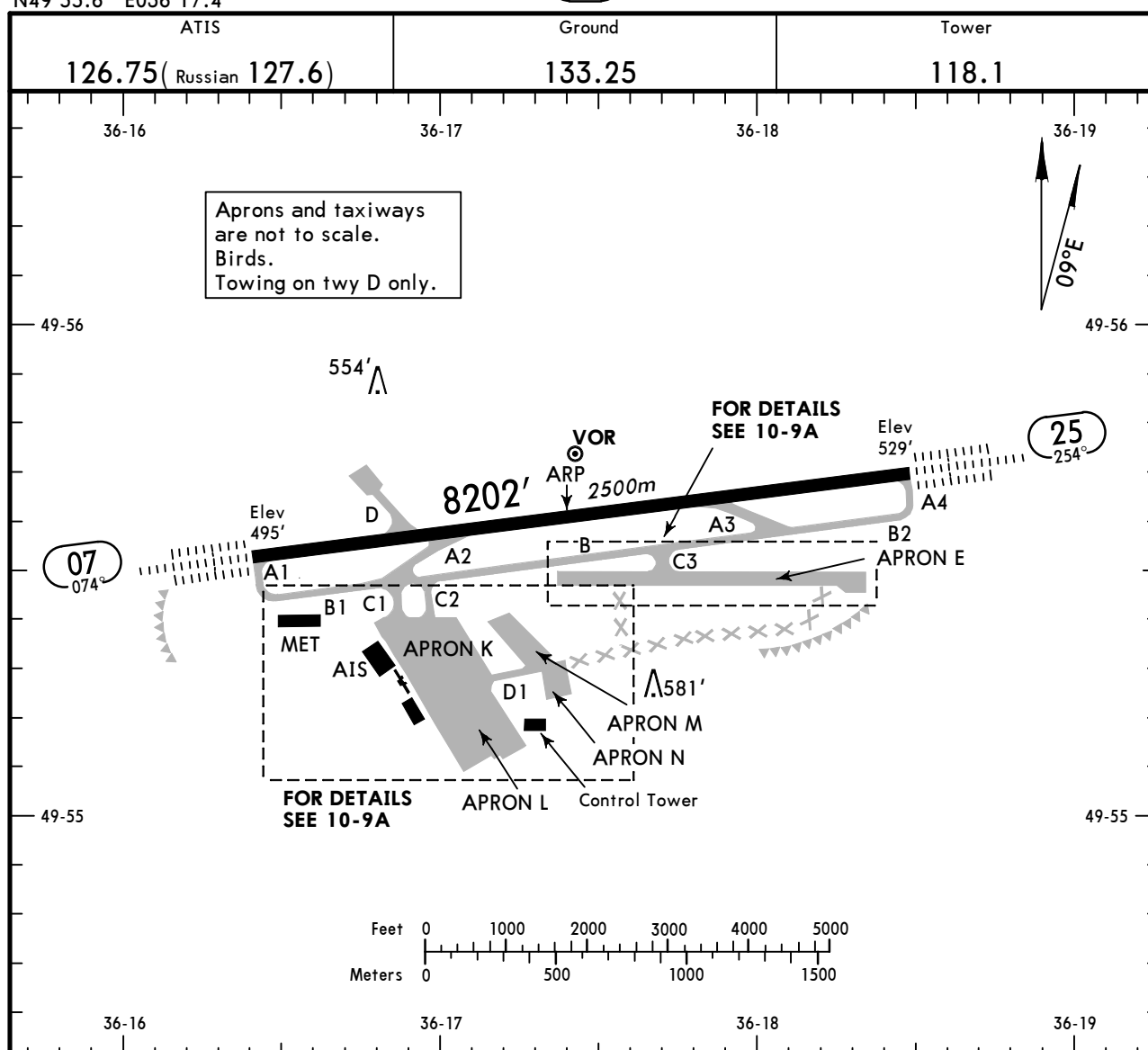
4 OCT 13

(10-9)

Eff 17 Oct

KHARKIV, UKRAINE

OSNOVA



ADDITIONAL RUNWAY INFORMATION

ADDITIONAL RUNWAY INFORMATION							USABLE LENGTHS		TAKE-OFF	WIDTH
RWY							LANDING BEYOND			
							Threshold	Glide Slope		
07	HIRL (60m) CL (15m) HIALS-II TDZ ① HST-A3 RVR						7108' 2167m		②	148' 45m
25	HIRL (60m) CL (15m) HIALS-II TDZ ① HST-A2 RVR						6987' 2130m			

① PAPI-L (3.0°)

② TAKE-OFF RUN AVAILABLE

RWY 07:

From rwy head/twy A1 int 8202' (2500m)
 twy A2 int 5249' (1600m)

RWY 25:

From rwy head/twy A4 int 8202' (2500m)
 twy A3 int 5249' (1600m)

JAR-OPS

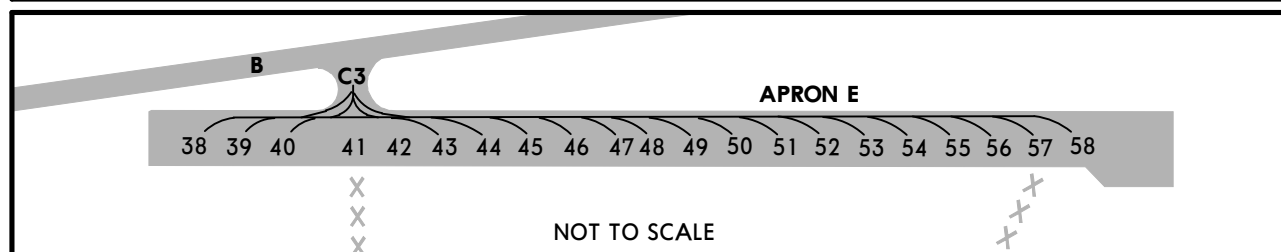
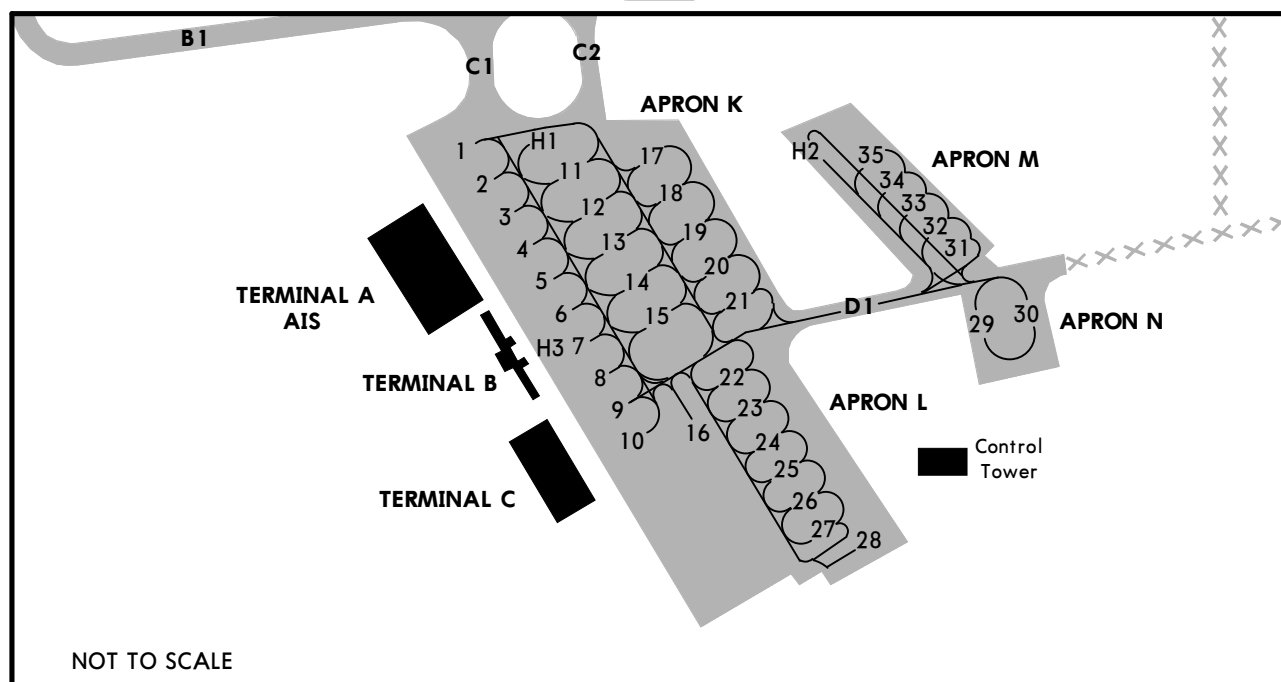
TAKE-OFF ①

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

① Operators applying U.S. Ops Specs: CL required below 300m; approved HUD required below 150m.

CHANGES: Lights rwy 07.

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Taxiing on aprons with Follow-me car.
 Movement of acft are prohibited without controller's clearance.
 Stands 7 (H3), H1 and H2 available for helicopter.
 Stands 1 thru 10 with push back only.
 Stands 29 and 30 available for run-up.
 Stands 38 thru 58 facing North with push back only.

STRAIGHT-IN RWY		A	B	C	D
07	CAT 2 ILS	623' (128') RA 147 R400m	639' (144') RA 169 R450m	653' (158') RA 187 R450m	666' (171') RA 204 R450m
	ILS	712' (217') R800m R1200m	722' (227') R800m R1200m	731' (236') R800m R1200m	741' (246') R800m R1300m
	ALS out				
	VOR ①	940' (445') R1500m R1500m	940' (445') R1500m R1500m	940' (445') R1700m C2100m	940' (445') R1700m C2100m
25	CAT 2 ILS	641' (112') RA 118 R300m	657' (128') RA 136 R400m	670' (141') RA 150 R450m	683' (154') RA 164 R450m
	ILS	732' (203') R750m R1200m	741' (212') R800m R1200m	751' (222') R800m R1200m	761' (232') R800m R1200m
	ALS out				
	VOR	1070' (541') C2300m C2700m	1070' (541') C2300m C2700m	1070' (541') C2500m C2900m	1070' (541') C2500m C2900m
	ALS out				

① Continuous Descent Final Approach.

CIRCLE-TO-LAND ②	100 KT	135 KT	180 KT	205 KT
After ILS & VOR Rwy 07③	1020' (525') V1500m ④	1200' (705') V1600m ④	1420' (925') V2400m ④	1420' (925') V3600m
After ILS & VOR Rwy 25	1070' (541')	1200' (671')	1420' (891')	1420' (891')

② Not authorized North of airport.

③ Circling height based on rwy 07 thresh elev of 495'.

④ or higher minimums of preceding straight-in approach.

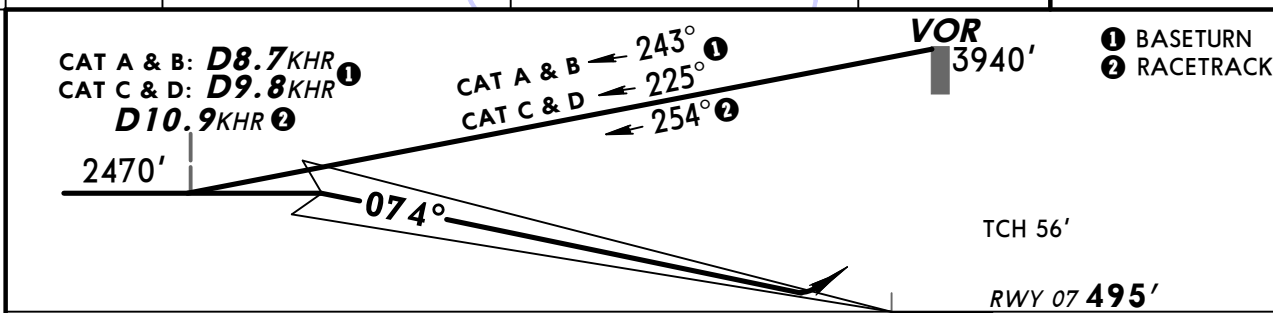
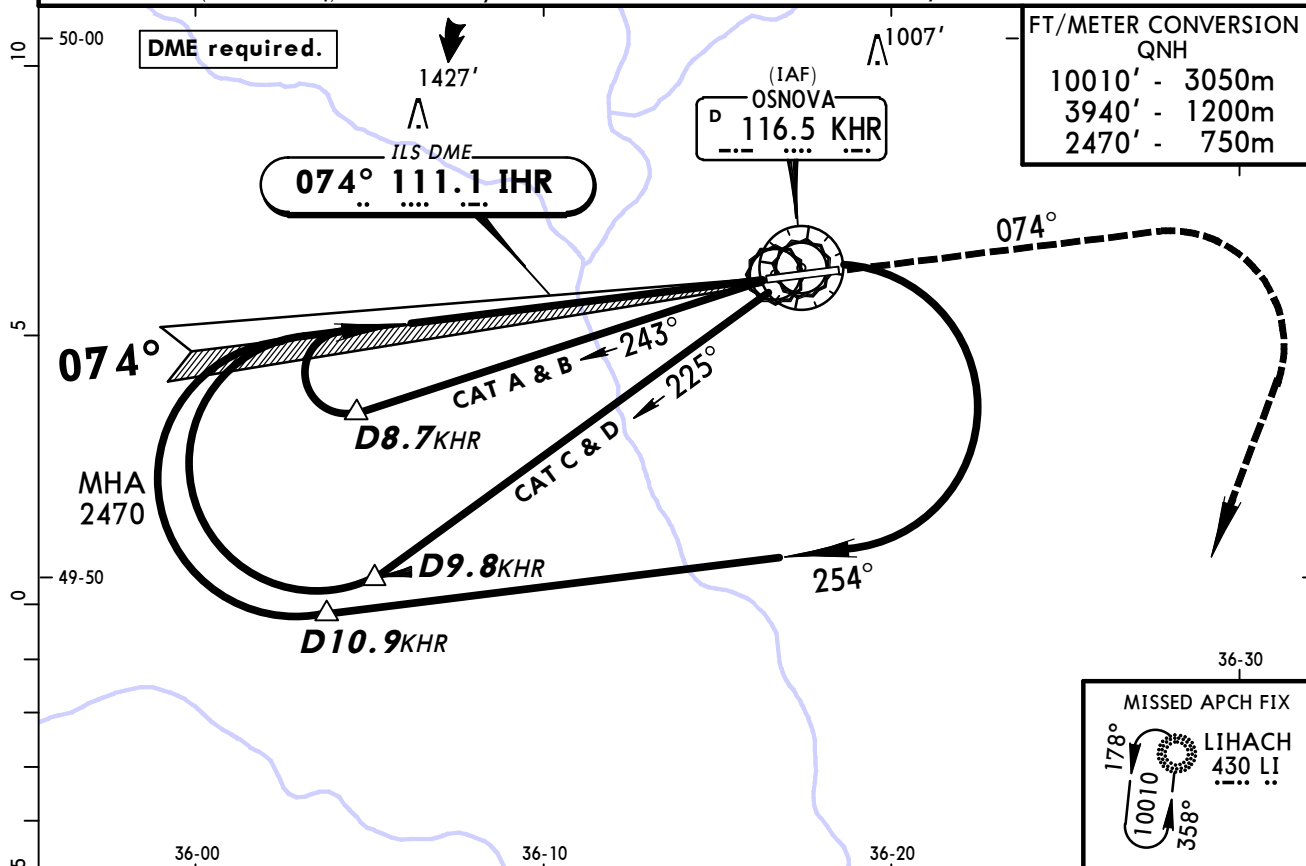
TAKE-OFF RWY 07, 25 ⑤

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

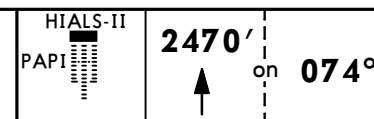
⑤ Operators applying U.S. Ops Specs: CL required below 300m;
approved HUD required below 150m.

BRIEFING STRIP

ATIS		KHARKIV Radar (APP)		KHARKIV Tower		Ground	
126.75 (Russian 127.6)		118.8 132.12 133.9		118.1		133.25	
LOC IHR 111.1	Final Apch Crs 074°	GS No alt published	ILS DA(H) Refer to Minimums	Apt Elev 529' RWY 495'		2700' MSA KHR VOR	
MISSED APCH: Climb on 074° to 2470', then turn RIGHT to NDB climbing to 10010', then as directed.							
MISSED APCH RADIO COMM FAILURE: Climb on 074° to 2470', then turn RIGHT to NDB climbing to 10010', hold over 5 min, then proceed to VOR, then according to chart.							
Alt Set: hPa (MM on req)		Rwy Elev: 18 hPa		Trans level: By ATC		Trans alt: 10010'	



<i>Gnd speed-Kts</i>	70	90	100	120	140	160
GS 3.00°	372	478	531	637	743	849

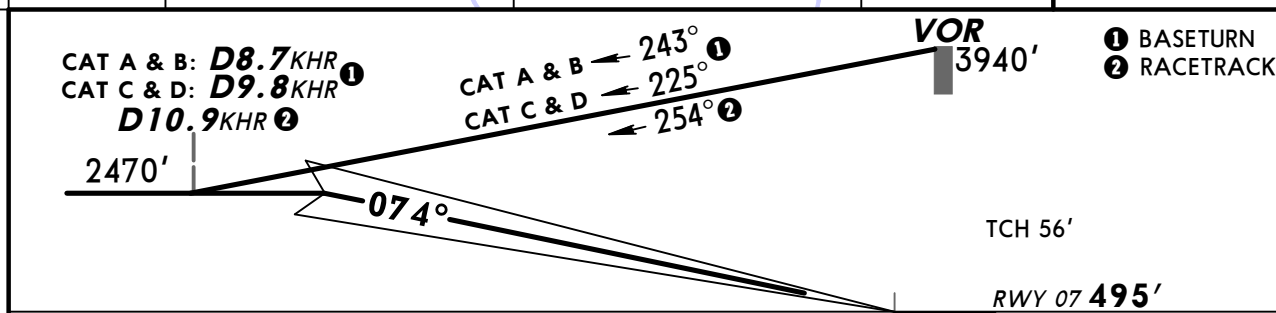
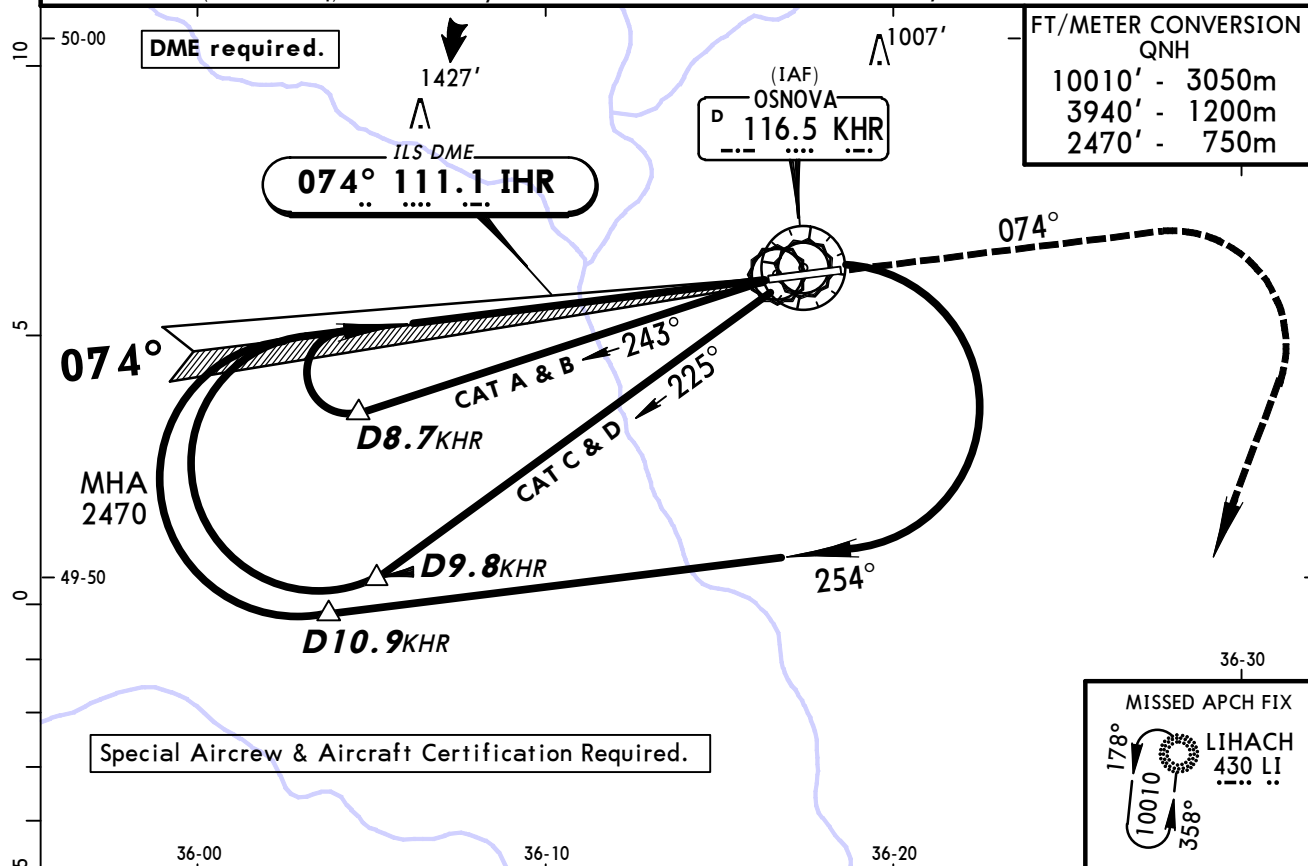


JAR-OPS		STRAIGHT-IN LANDING RWY 07		CIRCLE-TO-LAND	
ILS		LOC (GS out)		Not authorized North of airport	
DA(H)		FULL		Max Kts	
A: 712' (217') C: 731' (236')		ALS out		MDA(H)	
B: 722' (227') D: 741' (246')				VIS	
FULL		ALS out			
A				100	
B				135	
C				180	
D				205	
RVR 700m		RVR 1000m		NOT AUTH	
				1420' (525')	
				1200' (705')	
				1420' (925')	
				1420' (925')	

1 Circling height based on rwy 07 thresh elev of 495'.

BRIEFING STRIP

ATIS		KHARKIV Radar (APP)		KHARKIV Tower		Ground	
126.75 (Russian 127.6)		118.8 132.12 133.9		118.1		133.25	
LOC IHR 111.1	Final Apch Crs 074°	GS No alt published	CAT II ILS RA/DA(H) Refer to Minimums		Apt Elev 529' RWY 495'	2700' MSA KHR VOR	
MISSED APCH: Climb on 074° to 2470', then turn RIGHT to NDB climbing to 10010', then as directed.							
MISSED APCH RADIO COMM FAILURE: Climb on 074° to 2470', then turn RIGHT to NDB climbing to 10010', hold over 5 min, then proceed to VOR, then according to chart.							
Alt Set: hPa (MM on req)		Rwy Elev: 18 hPa		Trans level: By ATC		Trans alt: 10010'	



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II	
GS	3.00°	372	478	531	637	743	849	

JAR-OPS				STRAIGHT-IN LANDING RWY 07			
CAT II ILS							
A	B	C	D				
RA 147'	RA 169'	RA 187'	RA 204'				
DA(H) 623'(128')	DA(H) 639'(144')	DA(H) 653'(158')	DA(H) 666'(171')				
RVR 400m				RVR 450m			

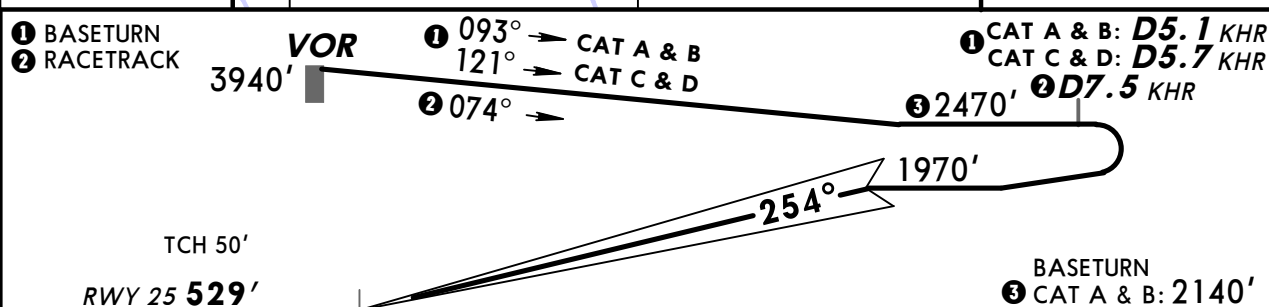
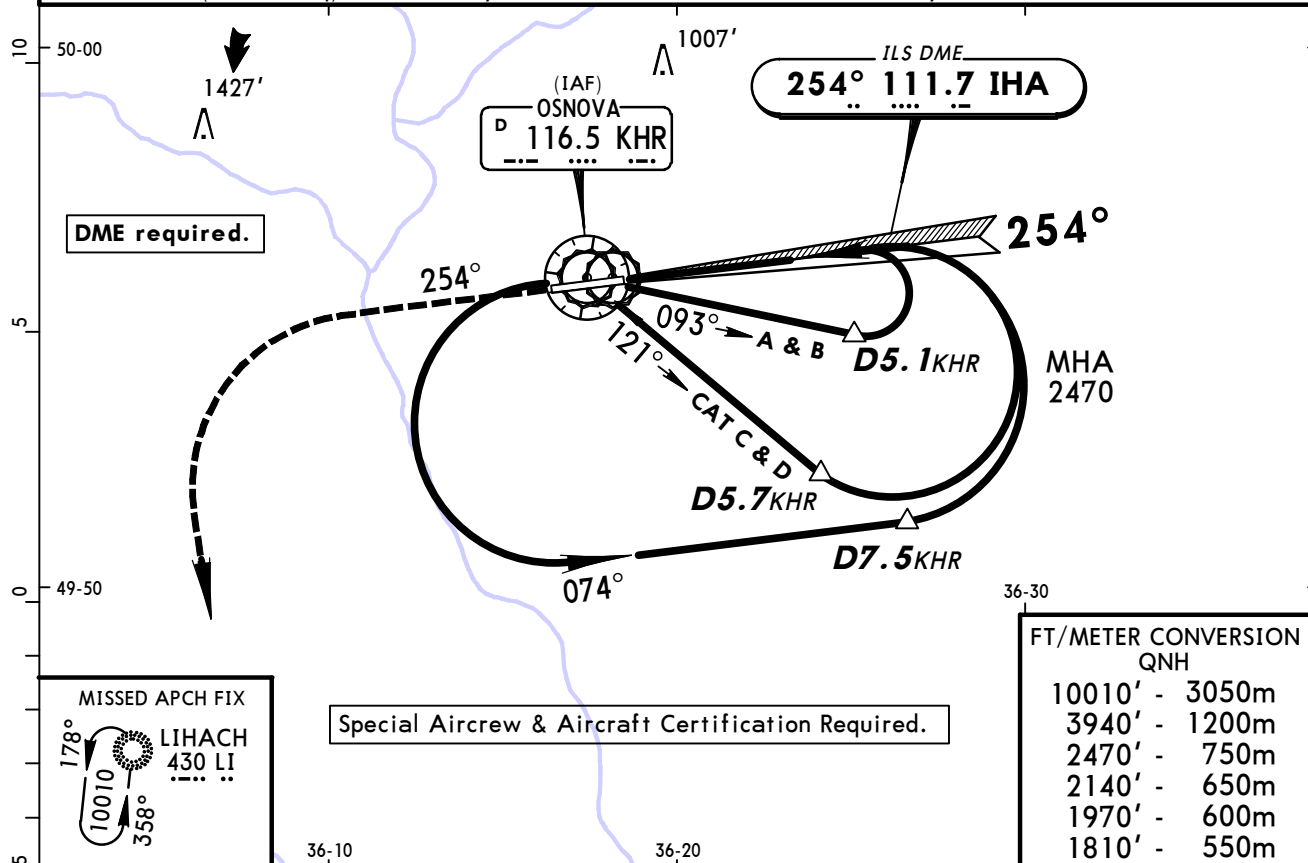
BRIEFING STRIP TM



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BRIEFING STRIP™

ATIS		KHARKIV Radar (APP)		KHARKIV Tower		Ground
126.75 (Russian 127.6)		118.8 132.12 133.9		118.1		133.25
LOC IHA 111.7	Final Apch Crs 254°	GS No alt published	CAT II ILS RA/DA(H) Refer to Minimums	Apt Elev 529' RWY 529'		2700' MSA KHR VOR
MISSED APCH: Climb on 254° to 1810', then turn LEFT to NDB climbing to 10010', then as directed. MISSED APCH RADIO COMM FAILURE: Climb on 254° to 1810', then turn LEFT to NDB climbing to 10010', hold over 5 min, then proceed to VOR, then according to chart.						
Alt Set: hPa (MM on req)		Rwy Elev: 19 hPa		Trans level: By ATC		



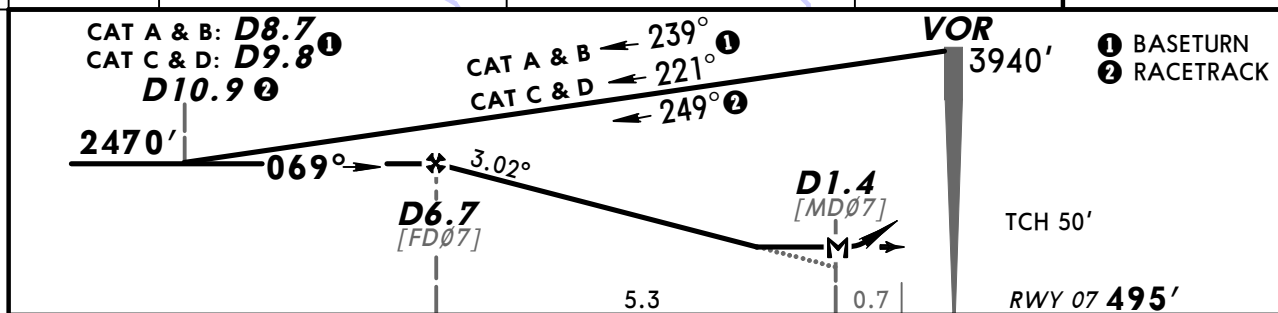
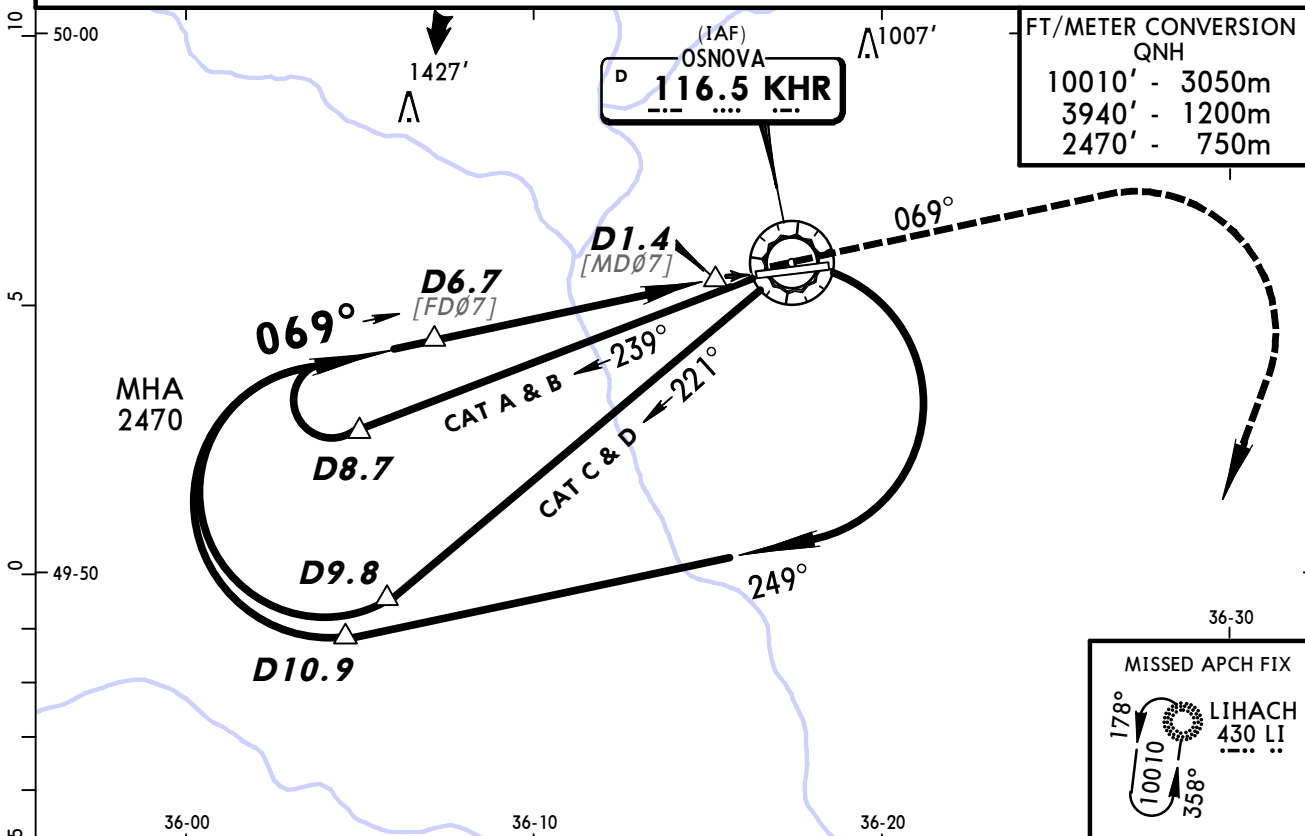
Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI	1810' on 254°
GS	3.00°	372	478	531	637	743		

JAR-OPS STRAIGHT-IN LANDING RWY 25 CAT II ILS			
A	B	C	D
RA 118'	RA 136'	RA 150'	RA 164'
DA(H) 641'(112')	DA(H) 657'(128')	DA(H) 670'(141')	DA(H) 683'(154')
RVR 300m	RVR 440m	RVR 450m	

Operators applying U.S. Ops Specs: Autoland or HUD required below 350m.

BRIEFING STRIP™

ATIS		KHARKIV Radar (APP)		KHARKIV Tower		Ground
126.75 (Russian 127.6)		118.8	132.12	133.9	118.1	133.25
VOR KHR 116.5	Final Apch Crs 069°	Minimum Alt D6.7 2470' (1975')	MDA(H) 940' (445')	Apt Elev 529' RWY 495'		2700' MSA KHR VOR
MISSED APCH: Climb on 069° to 2470', then turn RIGHT to NDB climbing to 10010', then as directed.						
MISSED APCH RADIO COMM FAILURE: Climb on 069° to 2470', then turn RIGHT to NDB climbing to 10010', hold over 5 min, then proceed to VOR, then according to chart.						
Alt Set: hPa (MM on req) DME required.		Rwy Elev: 18 hPa		Trans level: By ATC		Trans alt: 10010'



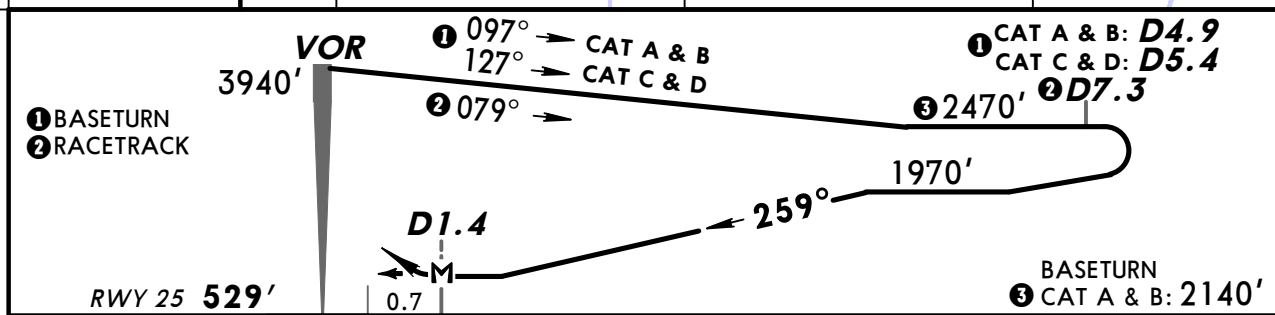
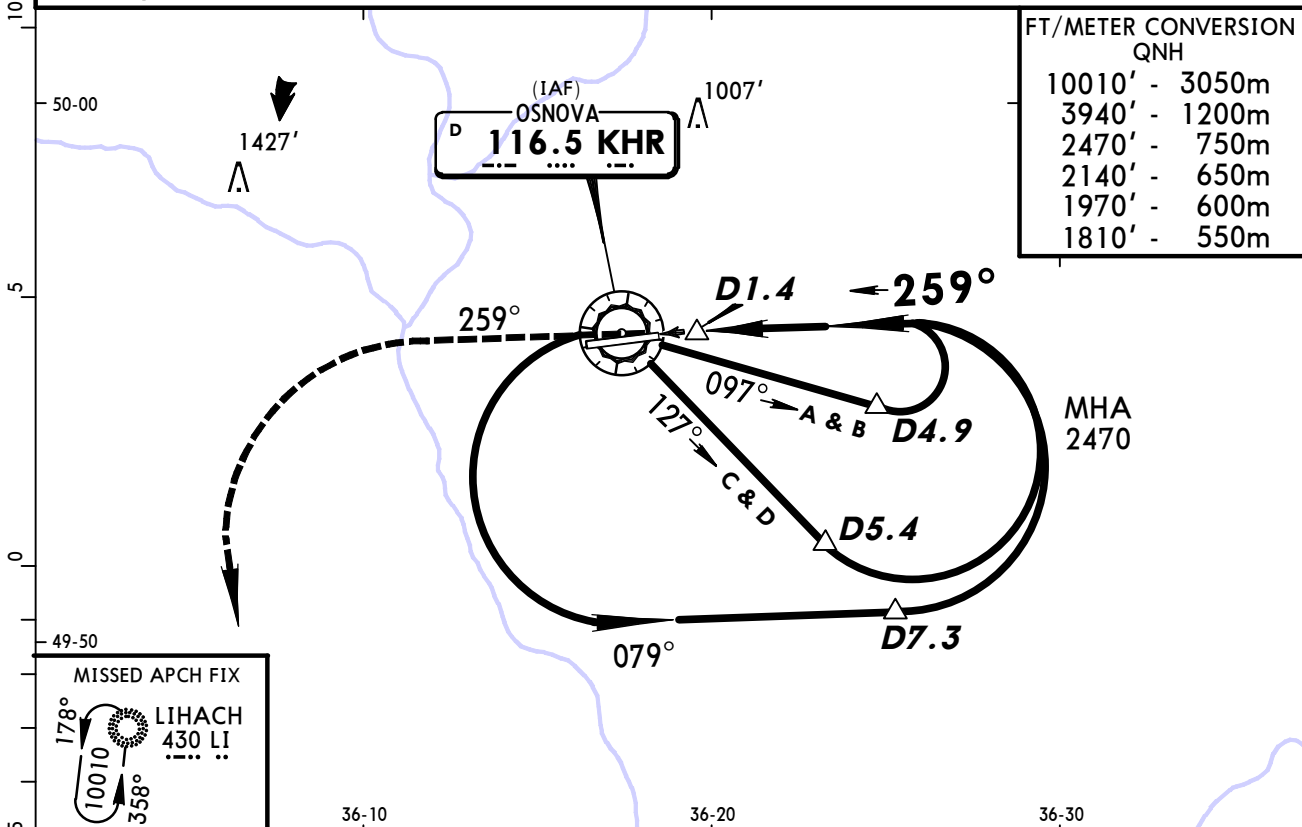
Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.02°	374	481	534	641	748	855
MAP at D1.4						

JAR-OPS STRAIGHT-IN LANDING RWY 07				CIRCLE-TO-LAND 1			
MDA(H) 940' (445')				Not authorized North of airport			
ALS out				Max Kts	MDA(H)	VIS	
A	RVR 1200m	RVR 1500m		100	1020' (525')	1500m	
B	RVR 1300m			135	1200' (705')	1600m	
C	RVR 1400m	RVR 1800m		180	1420' (925')	2400m	
D	RVR 1600m	RVR 2000m		205	1420' (925')	3600m	

1 Circling height based on rwy 07 thresh elev of 495'.

BRIEFING STRIP™

ATIS		KHARKIV Radar (APP)		KHARKIV Tower		Ground	
126.75 (Russian 127.6)		118.8	132.12	133.9	118.1		133.25
VOR KHR 116.5	Final Apch Crs 259°	Minimum Alt No FAF		MDA(H) 1070' (541')	Apt Elev 529' RWY 529'		2700' MSA KHR VOR
MISSED APCH: Climb on 259° to 1810', then turn LEFT to NDB climbing to 10010', then as directed.							
MISSED APCH RADIO COMM FAILURE: Climb on 259° to 1810', then turn LEFT to NDB climbing to 10010', hold over 5 min, then proceed to VOR, then according to chart.							
Alt Set: hPa (MM on req) DME required.		Rwy Elev: 19 hPa		Trans level: By ATC		Trans alt: 10010'	



Gnd speed-Kts	70	90	100	120	140	160	HIALS-II PAPI 1810' on 259°
Descent Angle 3.00°	372	478	531	637	743	849	
MAP at D1.4							

JAR-OPS				CIRCLE-TO-LAND			
STRAIGHT-IN LANDING RWY 25				Not authorized North of airport			
MDA(H) 1070' (541')							
ALS out				Max Kts	MDA(H)	VIS	
A	RVR 1400m	RVR 1500m		100	1070' (541')	1500m	
B	RVR 1500m			135	1200' (671')	1600m	
C	RVR 1600m	RVR 2000m		180	1420' (891')	2400m	
D	RVR 1800m			205	1420' (891')	3600m	

Chart changes since cycle 26-2013

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

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE
KHARKIV, (OSNOVA - UKHH)				

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UKHH