

**RNAV DEPARTURE PROCEDURE****RNAV 1 (GNSS, DME/DME) RWY 26**

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
	<b>Route</b>		<b>Altitude</b>		<b>Remark</b>	
<b>GOTAP 1L GOTAP ONE LIMA</b>	On track 259° to R281° D41,3 BRP VOR/DME, turn LEFT to R264° D38,6 BRP VOR/DME then at KK120 as described below			Cross R281° D41,3 BRP VOR/DME at 600 or above, R264° D38,6 BRP VOR/DME at 600 or above	Minimum climb gradient 7% up to 600 m	
	<b>Path description</b>	<b>Fix identifier (Waypoint name)</b>	<b>Flyover</b>	<b>Course *M (*T)</b>	<b>Turn direction</b>	<b>Altitude</b>
	IF	KK120	Y	-	-	+600
	TF	KKS01	N	076 (083,5)	-	+1200
	TF	KKE01	N	066 (073,2)	L	+1500
	TF	INVAD	N	086 (093,0)	R	+2750
	TF	GOTAP	N	100 (107,4)	R	+FL110

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
	<b>Route</b>		<b>Altitude</b>		<b>Remark</b>	
<b>KR 2L Krabor TWO LIMA</b>	On track 259° to R279° D44,9 BRP VOR/DME, then at KK110 as described below			Cross R279° D44,9 BRP VOR/DME at 600 or above	Minimum climb gradient 7% up to 600 m	
	<b>Path description</b>	<b>Fix identifier (Waypoint name)</b>	<b>Flyover</b>	<b>Course *M (*T)</b>	<b>Turn direction</b>	<b>Altitude</b>
	IF	KK110	Y	-	-	+ 600
	TF	KR	N	282 (288,5)	-	+3050

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
	<b>Route</b>		<b>Altitude</b>		<b>Remark</b>	
<b>KUROS 1L KUROS ONE LIMA</b>	On track 259° to R281° D41,3 BRP VOR/DME, turn LEFT to R264° D38,6 BRP VOR/DME then at KK120 as described below			Cross R281° D41,3 BRP VOR/DME at 600 or above, R264° D38,6 BRP VOR/DME at 600 or above	Minimum climb gradient 7% up to 600 m	
	<b>Path description</b>	<b>Fix identifier (Waypoint name)</b>	<b>Flyover</b>	<b>Course *M (*T)</b>	<b>Turn direction</b>	<b>Altitude</b>
	IF	KK120	Y	-	-	+600
	TF	KKS01	N	076 (083,5)	-	+1200
	TF	KKE01	N	066 (073,2)	L	+1500
	TF	INVAD	N	086 (093,0)	R	+2750
	TF	KUROS	N	034 (041,1)	L	+FL170

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
	<b>Route</b>		<b>Altitude</b>		<b>Remark</b>	
<b>LABOD 1L LABOD ONE LIMA</b>	On track 259° to R281° D41,3 BRP VOR/DME, turn LEFT to R264° D38,6 BRP VOR/DME then at KK120 as described below			Cross R281° D41,3 BRP VOR/DME at 600 or above, R264° D38,6 BRP VOR/DME at 600 or above	Minimum climb gradient 7% up to 600 m	
	<b>Path description</b>	<b>Fix identifier (Waypoint name)</b>	<b>Flyover</b>	<b>Course *M (*T)</b>	<b>Turn direction</b>	<b>Altitude</b>
	IF	KK120	Y	-	-	+ 600
	TF	KKS02	N	115 (122,4)	-	-
	TF	SULUM	N	177 (183,6)	R	+3050
	TF	LABOD	N	216 (222,9)	R	+3050

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
	<b>Route</b>		<b>Altitude</b>		<b>Remark</b>	
<b>LASDA 1L LASDA ONE LIMA</b>	On track 259° to R281° D41,3 BRP VOR/DME, turn LEFT to R264° D38,6 BRP VOR/DME then at KK120 as described below			Cross R281° D41,3 BRP VOR/DME at 600 or above, R264° D38,6 BRP VOR/DME at 600 or above	Minimum climb gradient 7% up to 600 m	
	<b>Path description</b>	<b>Fix identifier (Waypoint name)</b>	<b>Flyover</b>	<b>Course *M (*T)</b>	<b>Turn direction</b>	<b>Altitude</b>
	IF	KK120	Y	-	-	+600
	TF	KKS01	N	076 (083,5)	-	+1200
	TF	KK130	N	022 (028,7)	L	-
	TF	GILEV	N	356 (003,4)	L	+1500
	TF	LASDA	N	338 (345,4)	L	+2450

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
	<b>Route</b>		<b>Altitude</b>		<b>Remark</b>	
<b>PI 1L Pii ONE LIMA</b>	On track 259° to R281° D41,3 BRP VOR/DME, turn LEFT to R264° D38,6 BRP VOR/DME then at KK120 as described below			Cross R281° D41,3 BRP VOR/DME at 600 or above, R264° D38,6 BRP VOR/DME at 600 or above	Minimum climb gradient 7% up to 600 m	
	<b>Path description</b>	<b>Fix identifier (Waypoint name)</b>	<b>Flyover</b>	<b>Course *M (*T)</b>	<b>Turn direction</b>	<b>Altitude</b>
	IF	KK120	Y	-	-	+600
	TF	KKS02	N	115 (122,4)	-	-
	TF	NIPEX	N	141 (148,5)	R	-
	TF	PI	N	102 (109,0)	L	+FL110

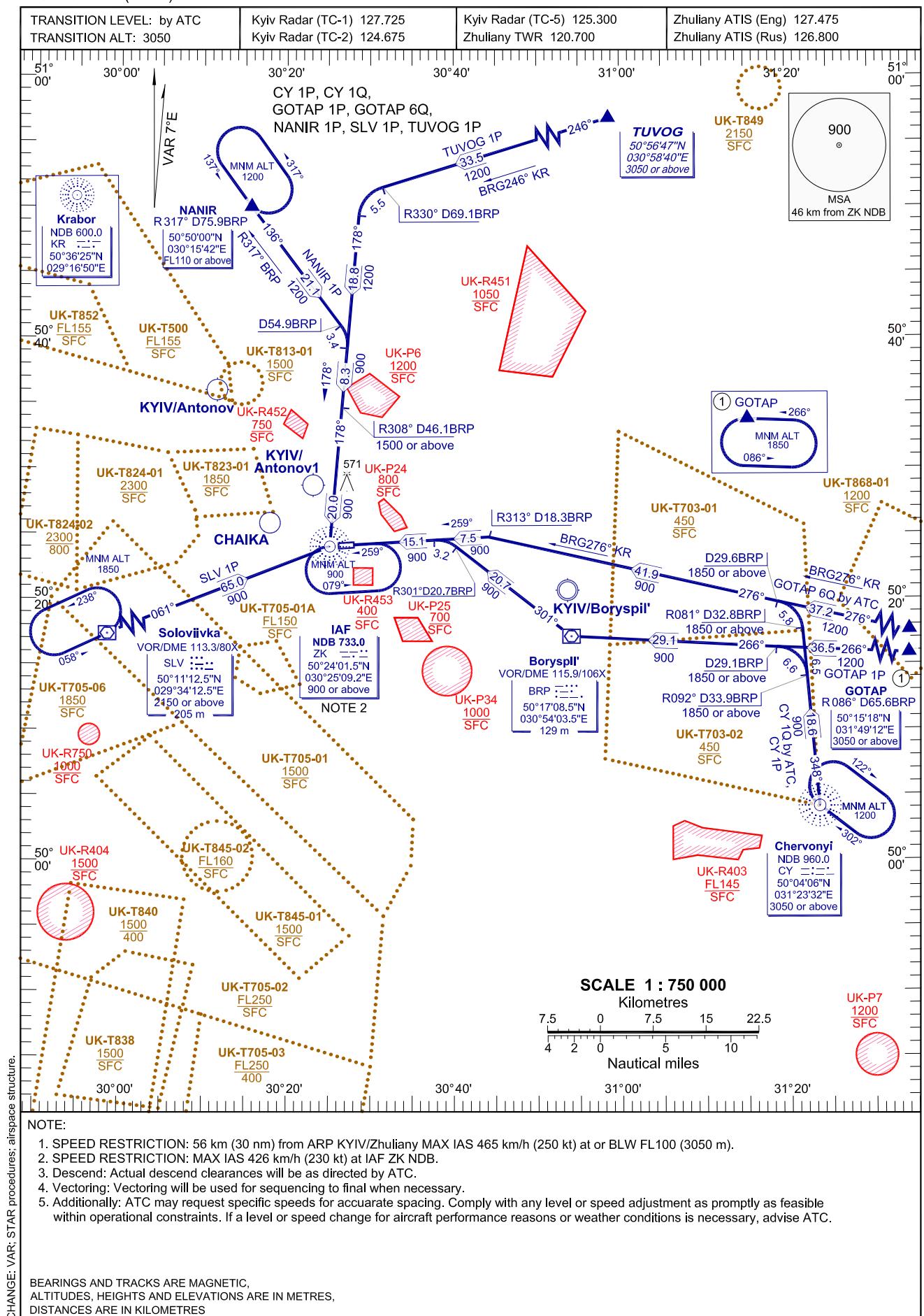
<b>Designator</b>	<i>Initial climb description (conventional)</i>						
	<i>Route</i>			<i>Altitude</i>		<i>Remark</i>	
	<i>Path description</i>	<i>Fix identifier (Waypoint name)</i>	<i>Flyover</i>	<i>Course *M (*T)</i>	<i>Turn direction</i>	<i>Altitude</i>	<i>Speed limit</i>
	IF	KK110	Y	-	-	+600	-
SLV 1L Soloviivka ONE LIMA	TF	SLV	N	239 (246,1)	-	+3050	-

<b>Designator</b>	<i>Initial climb description (conventional)</i>						
	<i>Route</i>			<i>Altitude</i>		<i>Remark</i>	
	<i>Path description</i>	<i>Fix identifier (Waypoint name)</i>	<i>Flyover</i>	<i>Course *M (*T)</i>	<i>Turn direction</i>	<i>Altitude</i>	<i>Speed limit</i>
	IF	KK120	Y	-	-	+600	-
SULUM 1L SULUM ONE LIMA	TF	KKS02	N	115 (122,4)	-	-	-
	TF	SULUM	N	177 (183,6)	R	+3050	-

<b>Designator</b>	<i>Initial climb description (conventional)</i>						
	<i>Route</i>			<i>Altitude</i>		<i>Remark</i>	
	<i>Path description</i>	<i>Fix identifier (Waypoint name)</i>	<i>Flyover</i>	<i>Course *M (*T)</i>	<i>Turn direction</i>	<i>Altitude</i>	<i>Speed limit</i>
	IF	KK120	Y	-	-	+600	-
TABA V 1L TABAV ONE LIMA	TF	KKS02	N	115 (122,4)	-	-	-
	TF	TABA V	N	157 (163,6)	R	+2750	-

**WAYPOINTS**

<i>Waypoint name</i>	<i>Coordinates</i>		<i>Waypoint name</i>	<i>Coordinates</i>	
KK110	502342.0N	0301740.0E	KR	503625.0N	0291650.0E
KK120	501733.0N	0302132.0E	PI	495224.0N	0310732.0E
KK130	502631.0N	0303803.0E	SLV	501112.5N	0293412.5E
KKE01	502246.0N	0305438.0E	GOTAP	501518.0N	0314912.0E
KKS01	501814.0N	0303056.0E	KUROS	504454.0N	0314748.0E
KKS02	500759.0N	0304452.0E	LABOD	491752.0N	0301927.0E
GILEV	503324.0N	0303841.0E	LASDA	512835.0N	0301542.0E
INVAD	502200.0N	0311614.0E	SULUM	493328.0N	0304133.0E
NIPEX	495438.0N	0305732.0E	TABA V	492417.0N	0310437.0E

STANDARD ARRIVAL CHART  
INSTRUMENT (STAR)-ICAOKYIV/Zhuliany  
RWY 08/26

STAR RWY 08/26

Designator	Route	Altitude	Remarks
CY 1P Chervonyi ONE PAPA	On track 348° from CY NDB to R092° D33,9 BRP VOR/DME, turn LEFT on track 266° to BRP VOR/DME, turn RIGHT on track 301° from BRP VOR/DME to R301° D20,7 BRP VOR/DME, turn LEFT on track 259° to IAF ZK NDB, then according to approach chart	Cross CY NDB at 3050 or above, R092° D33,9 BRP VOR/DME at 1850 or above, IAF ZK NDB at 900 or above	MAX IAS 426 km/h (230 kt) at IAF ZK NDB
CY 1Q Chervonyi ONE QUEBEC	On track 348° from CY NDB to R081° D32,8 BRP VOR/DME, turn LEFT on track 276° (BRG276° KR NDB) to R313° D18,3 BRP VOR/DME, turn LEFT on track 259° to IAF ZK NDB, then according to approach chart	Cross CY NDB at 3050 or above, R081° D32,8 BRP VOR/DME at 1850 or above, IAF ZK NDB at 900 or above	By ATC. MAX IAS 426 km/h (230 kt) at IAF ZK NDB
GOTAP 1P GOTAP ONE PAPA	On track 266° to BRP VOR/DME, turn RIGHT on track 301° from BRP VOR/DME to R301° D20,7 BRP VOR/DME, turn LEFT on track 259° to IAF ZK NDB, then according to approach chart	Cross GOTAP at 3050 or above, D29,1 BRP DME at 1850 or above, IAF ZK NDB at 900 or above	MAX IAS 426 km/h (230 kt) at IAF ZK NDB
GOTAP 6Q GOTAP SIX QUEBEC	On track 276° (BRG276° KR NDB) to R313° D18,3 BRP VOR/DME, turn LEFT on track 259° to IAF ZK NDB, then according to approach chart	Cross GOTAP at 3050 or above, D29,6 BRP DME at 1850 or above, IAF ZK NDB at 900 or above	By ATC. MAX IAS 426 km/h (230 kt) at IAF ZK NDB
NANIR 1P NANIR ONE PAPA	On track 136° (R317° BRP VOR) to D54,9 BRP DME, turn RIGHT on track 178° to IAF ZK NDB, then according to approach chart	Cross NANIR at FL110 or above, R308° D46,1 BRP VOR/DME at 1500 or above, IAF ZK NDB at 900 or above	MAX IAS 426 km/h (230 kt) at IAF ZK NDB
SLV 1P Soloviiivka ONE PAPA	On track 061° from SLV VOR/DME to IAF ZK NDB, then according to approach chart	Cross SLV VOR/DME at 2150 or above, IAF ZK NDB at 900 or above	MAX IAS 426 km/h (230 kt) at IAF ZK NDB
TUVOG 1P TUVOG ONE PAPA	On track 246° (BRG246° KR NDB) to R330° D69,1 BRP VOR/DME, turn LEFT on track 178° to IAF ZK NDB, then according to approach chart	Cross TUVOG at 3050 or above, R308° D46,1 BRP VOR/DME at 1500 or above, IAF ZK NDB at 900 or above	MAX IAS 426 km/h (230 kt) at IAF ZK NDB

## RNAV ARRIVAL PROCEDURE TRANSITION TO FINAL APPROACH

KYIV/Zhuliany  
RNAV(GNSS, DME/DME) RWY 08

**NOTE:**

1. Use of transition procedures only when cleared by ATC.
  2. SPEED RESTRICTION: MAX IAS 407 km/h (220 kt) at KK820, KK830 and KK840.
  3. SPEED RESTRICTION on transition is always mandatory unless cancelled by ATC.
  4. Altitude assignments will be issued by ATC.
  5. For operational regulations refer to AIP ENR 1.5
  6. KK850 and CY are Fly-by for arrival procedures and Fly-over for holding patterns.

BEARINGS AND TRACKS ARE MAGNETIC.  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES,  
DISTANCES ARE IN KILOMETRES.

**Continuous Descent Operations (CDO)**

<ol style="list-style-type: none"><li>1. CDO are performed during period of low traffic density at ATC discretion.</li><li>2. After receiving a "WHEN READY DESCEND TO (LEVEL)" or "DESCEND TO (LEVEL) AT PILOTS DISCRETION" clearance the pilot is free to plan/optimize the vertical profile in order to apply CDO technique up to the FAP.</li><li>3. Specified minimum level at waypoint must be adhered unless specifically cancelled by ATC.</li><li>4. Maintain MAX IAS 220 kt at a distance of 20 track miles from touchdown.</li><li>5. When radar vectors are issued or expected, ATC will provide an estimated track distance from touchdown.</li><li>6. For operational regulations refer to UKKK AD 2.22 and ENR 1.5.</li></ol>
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## RNAV ARRIVAL PROCEDURE

Name	Path description	Fix identifier (Waypoint name)	Flyover	Course *M (*T)	Turn direction	Altitude	Speed limit
CY 1M Chervonyi ONE MIKE	IF	CY	-	-	-	+3050	-
	TF	KKE02	N	349 (355,6)	-	+1850	-
	TF	BRP	N	266 (273,2)	L	+1500	-
	TF	KK840	N	266 (273,0)	L	+900	407km/h (220kt)
	TF	KK820	N	349 (356,1)	R	+700	-
	TF	KK810	N	079 (086,1)	R	700	-
GAMLA 1M GAMLA ONE MIKE	IF	GAMLA	-	-	-	+FL110	-
	TF	ASVEN	N	036 (042,8)	-	-	-
	TF	CY	N	349 (355,6)	L	+3050	-
	TF	KKE02	N	349 (355,6)	-	+1850	-
	TF	BRP	N	266 (273,2)	L	+1500	-
	TF	KK840	N	266 (273,0)	L	+900	407km/h (220kt)
	TF	KK820	N	349 (356,1)	R	+700	-
GAMLA 1Q GAMLA ONE QUEBEC by ATC	TF	KK810	N	079 (086,1)	R	700	-
	IF	GAMLA	-	-	-	+FL110	-
	TF	KK850	N	345 (352,3)	-	+2150	-
	TF	KK840	N	345 (352,3)	-	+ 900	407km/h (220kt)
	TF	KK820	N	349 (356,1)	R	+700	-
GOTAP 1M GOTAP ONE MIKE	TF	KK810	N	079 (086,1)	R	700	-
	IF	GOTAP	-	-	-	+3050	-
	TF	KKE02	N	266 (273,2)	-	+1800	-
	TF	BRP	N	266 (273,2)	-	+1500	-
	TF	KK840	N	266 (273,0)	L	+900	407km/h (220kt)
	TF	KK820	N	349 (356,1)	R	+700	-
NANIR 1M NANIR ONE MIKE	TF	KK810	N	079 (086,1)	R	700	-
	IF	NANIR	-	-	-	+FL110	-
	TF	KK830	N	181 (187,6)	-	+900	407km/h (220kt)
	TF	KK820	N	169 (176,1)	L	+700	-
SLV 1M Soloviivka ONE MIKE	TF	KK810	N	079 (086,1)	L	700	-
	IF	SLV	-	-	-	+2150	-
	TF	KK820	N	056 (062,8)	-	+700	407km/h (220kt)
TUVOG 1M TUVOG ONE MIKE	TF	KK810	N	079 (086,1)	R	700	-
	IF	TUVOG	-	-	-	+3050	-
	TF	KKN01	N	246 (253,1)	-	-	-
	TF	KK830	N	204 (211,2)	L	+900	407km/h (220kt)
	TF	KK820	N	169 (176,1)	L	+700	-
	TF	KK810	N	079 (086,1)	L	700	-

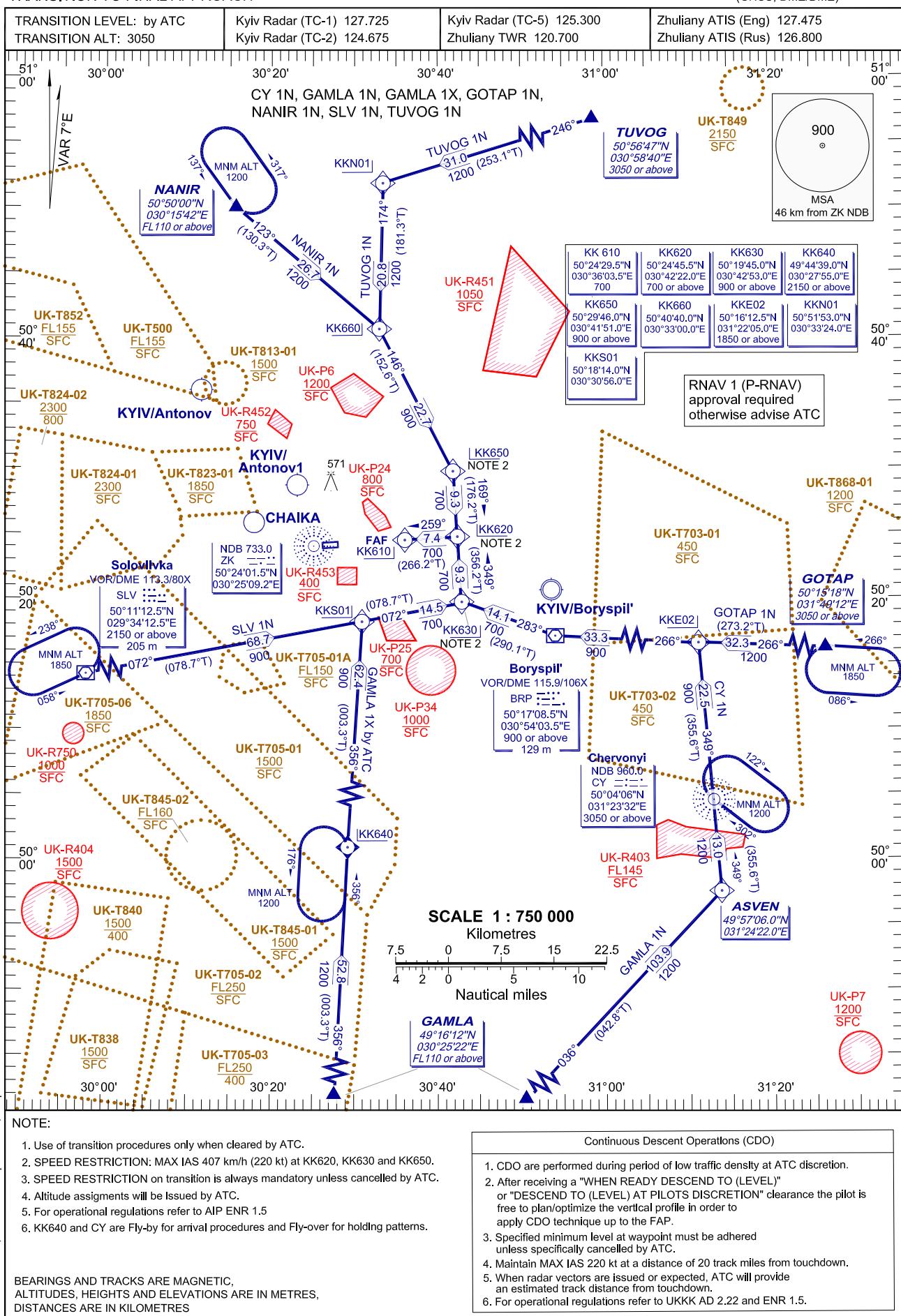
## RNAV HOLDINGS

Fix identifier (Waypoint name)	Inbound Track *M (*T)	Turn direction	Minimum Altitude	Time MIN	Distance	Speed limit
KK850	345 (352,3)	L	1200	1	-	-
CY	302 (309,0)	R	1200	1	-	-
GOTAP	266 (273,0)	L	1850	1	-	-
NANIR	137 (144,0)	L	1200	1	-	-
SLV	058 (065,0)	L	1850	1	-	-

## WAYPOINTS

Waypoint name	Coordinates		Waypoint name	Coordinates	
KK810 (FAF)	502342.5N	0301757.5E	BRP	501708.5N	0305403.5E
KK820	502326.5N	0301142.0E	CY	500406.0N	0312332.0E
KK830	502827.0N	0301110.0E	SLV	501112.5N	0293412.5E
KK840	501826.0N	0301214.0E	GAMLA	491612.0N	0302522.0E
KK850	4946 8.0N	0301901.0E	GOTAP	501518.0N	0314912.0E
KKE02	501612.5N	0312205.0E	NANIR	505000.0N	0301542.0E
KKN01	505153.0N	0303324.0E	TUVOG	505647.0N	0305840.0E
ASVEN	495706.0N	0312422.0E			

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RNAV ARRIVAL PROCEDURE  
TRANSITION TO FINAL APPROACHKYIV/Zhuliany  
RNAV (GNSS, DME/DME) RWY 26

## RNAV ARRIVAL PROCEDURE

## RNAV 1 (GNSS, DME/DME) RWY26

Name	Path description	Fix identifier (Waypoint name)	Flyover	Course *M (*T)	Turn direction	Altitude	Speed limit
CY 1N Chervonyi ONE NOVEMBER	IF	CY	-	-	-	+3050	-
	TF	KKE02	N	349 (355,6)	-	+1850	-
	TF	BRP	N	266 (273,2)	L	+900	-
	TF	KK630	N	283 (290,1)	R	+900	407km/h (220kt)
	TF	KK620	N	349 (356,2)	R	+700	-
	TF	KK610	N	259 (266,2)	L	700	-
GAMLA 1N GAMLA ONE NOVEMBER	IF	GAMLA	-	-	-	+FL110	-
	TF	ASVEN	N	036 (042,8)	-	-	-
	TF	CY	N	349 (355,6)	L	+3050	-
	TF	KKE02	N	349 (355,6)	-	+1850	-
	TF	BRP	N	266 (273,2)	L	+900	-
	TF	KK630	N	283 (290,1)	R	+900	407km/h (220kt)
	TF	KK620	N	349 (356,2)	R	+700	-
	TF	KK610	N	259 (266,2)	L	700	-
GAMLA 1X GAMLA ONE X-RAY by ATC	IF	GAMLA	-	-	-	+FL110	-
	TF	KK640	N	356 (003,3)	-	+2150	-
	TF	KKS01	N	356 (003,3)	-	-	-
	TF	KK630	N	072 (078,7)	R	+ 900	407km/h (220kt)
	TF	KK620	N	349 (356,2)	L	+ 700	-
	TF	KK610	N	259 (266,2)	L	700	-
GOTAP 1N GOTAP ONE NOVEMBER	IF	GOTAP	-	-	-	+3050	-
	TF	KKE02	N	266 (273,2)	-	+1850	-
	TF	BRP	N	266 (273,2)	-	+900	-
	TF	KK630	N	283 (290,1)	R	+ 900	407km/h (220kt)
	TF	KK620	N	349 (356,2)	R	+ 700	-
	TF	KK610	N	259 (266,2)	L	700	-
NANIR 1N NANIR ONE NOVEMBER	IF	NANIR	-	-	-	+FL110	-
	TF	KK660	N	123 (130,3)	-	-	-
	TF	KK650	N	146 (152,6)	R	+ 900	407km/h (220kt)
	TF	KK620	N	169 (176,2)	R	+ 700	-
	TF	KK610	N	259 (266,2)	R	700	-
SLV 1N Soloviivka ONE NOVEMBER	IF	SLV	-	-	-	+2150	-
	TF	KKS01	N	072 (078,7)	-	-	-
	TF	KK630	N	072 (078,7)	-	+900	407km/h (220kt)
	TF	KK620	N	349 (356,2)	L	+ 700	-
	TF	KK610	N	259 (266,2)	L	700	-
TUVOG 1N TUVOG ONE NOVEMBER	IF	TUVOG	-	-	-	+3050	-
	TF	KKN01	N	246 (253,1)	-	-	-
	TF	KK660	N	174 (181,3)	L	-	-
	TF	KK650	N	146 (152,6)	L	+900	407km/h (220kt)
	TF	KK620	N	169 (176,2)	R	+ 700	-
	TF	KK610	N	259 (266,2)	R	700	-

## RNAV HOLDINGS

Fix identifier (Waypoint name)	Inbound Track *M (*T)	Turn direction	Minimum Altitude	Time MIN	Distance	Speed limit
KK640	356 (003,3)	L	1200	1	-	-
CY	302 (309,0)	R	1200	1	-	-
GOTAP	266 (273,0)	L	1850	1	-	-
NANIR	137 (144,0)	L	1200	1	-	-
SLV	058 (065,0)	L	1850	1	-	-

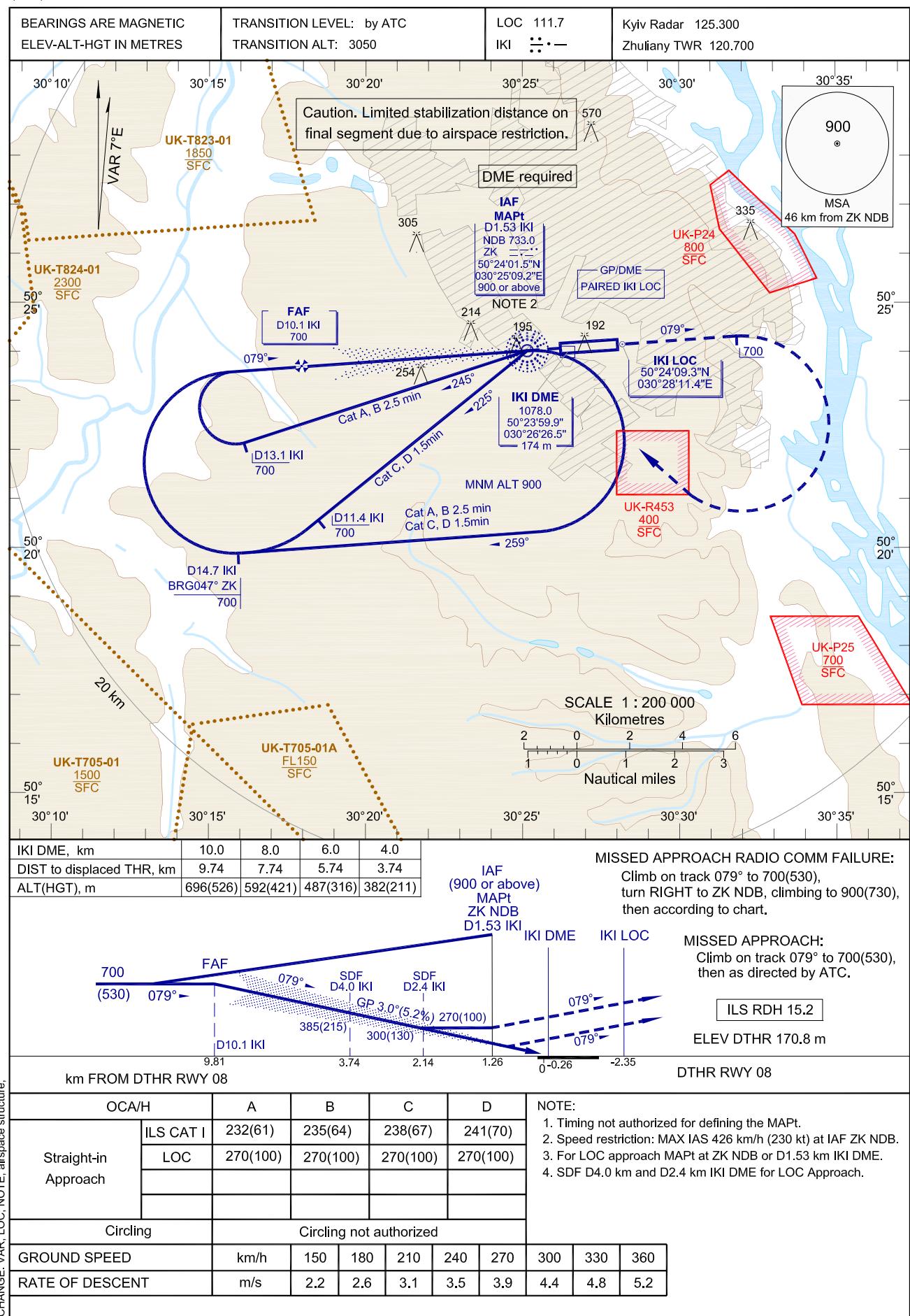
## WAYPOINTS

Waypoint name	Coordinates		Waypoint name	Coordinates	
KK610 (FAF)	502429.5N	0303606.5E	ASVEN	495706.0N	0312422.0E
KK620	502445.5N	0304222.0E	BRP	501708.5N	0305403.5E
KK630	501945.0N	0304253.0E	CY	500406.0N	0312332.0E
KK640	494439.0N	0302755.0E	SLV	501112.5N	0293412.5E
KK650	502946.0N	0304151.0E	GAMLA	491612.0N	0302522.0E
KK660	504040.0N	0303300.0E	GOTAP	501518.0N	0314912.0E
KKS01	501814.0N	0303056.0E	NANIR	505000.0N	0301542.0E
KKE02	501612.5N	0312205.0E	TUVOG	505647.0N	0305840.0E
KKN01	505153.0N	0303324.0E			

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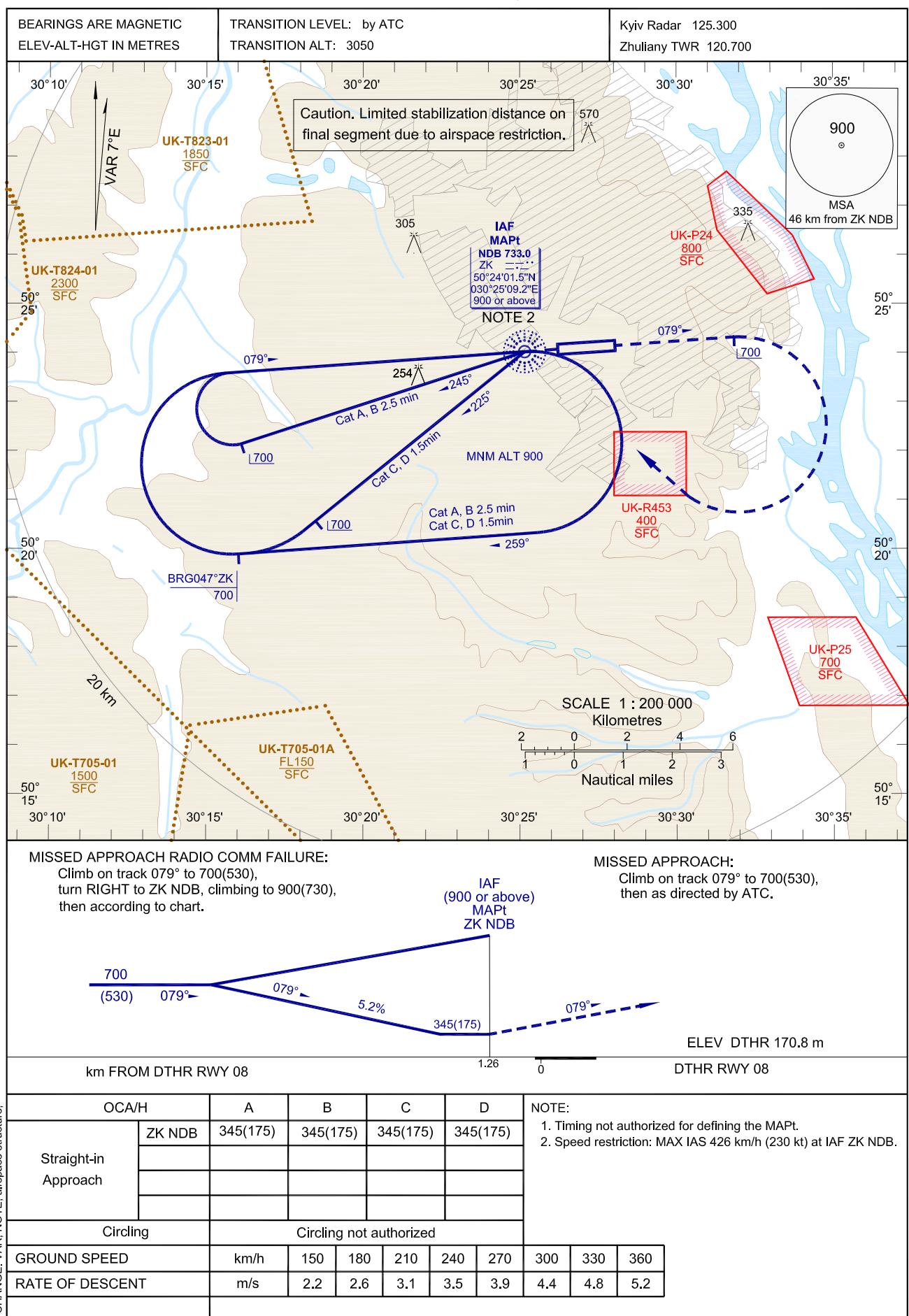
INSTRUMENT APPROACH CHART  
(IAC)-ICAO

AD ELEV 179 m

KYIV/Zhuliany  
ILS or LOC RWY 08

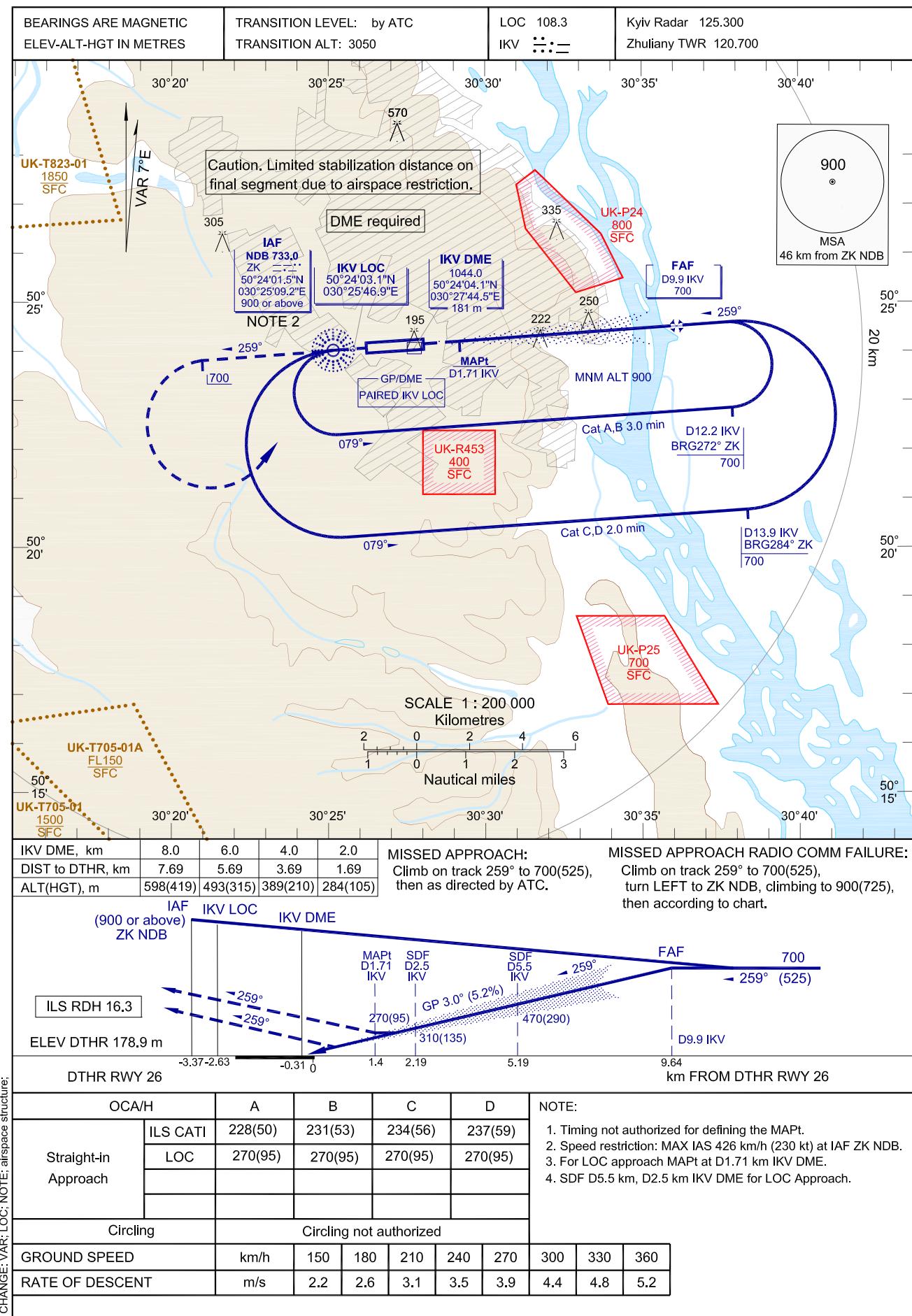
INSTRUMENT APPROACH CHART  
(IAC)-ICAO

AD ELEV 179 m

KYIV/Zhuliany  
NDB RWY 08

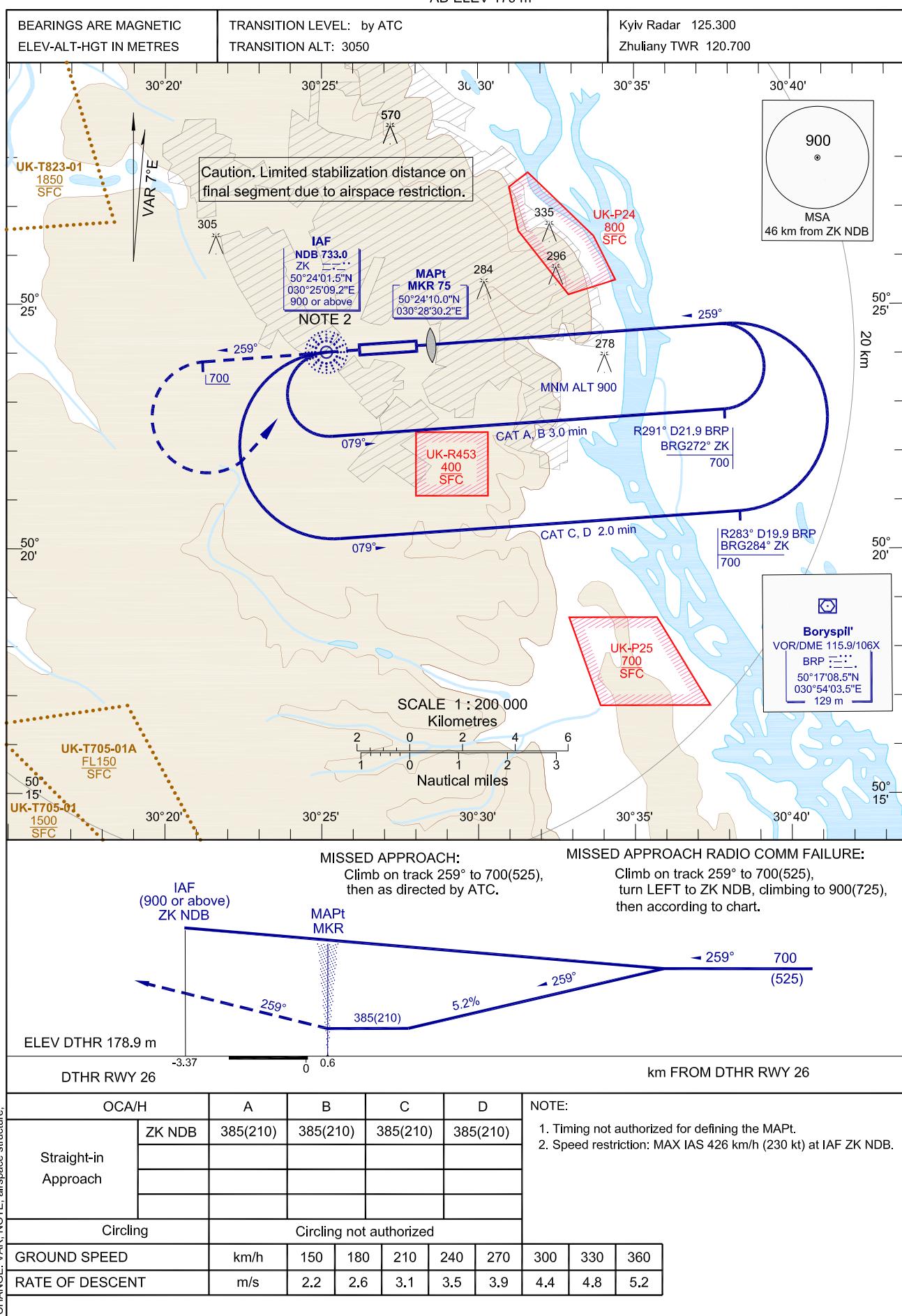
INSTRUMENT APPROACH CHART  
(IAC)-ICAO

AD ELEV 179 m

KYIV/Zhuliany  
ILS or LOC RWY 26

INSTRUMENT APPROACH CHART  
(IAC)-ICAO

AD ELEV 179 m

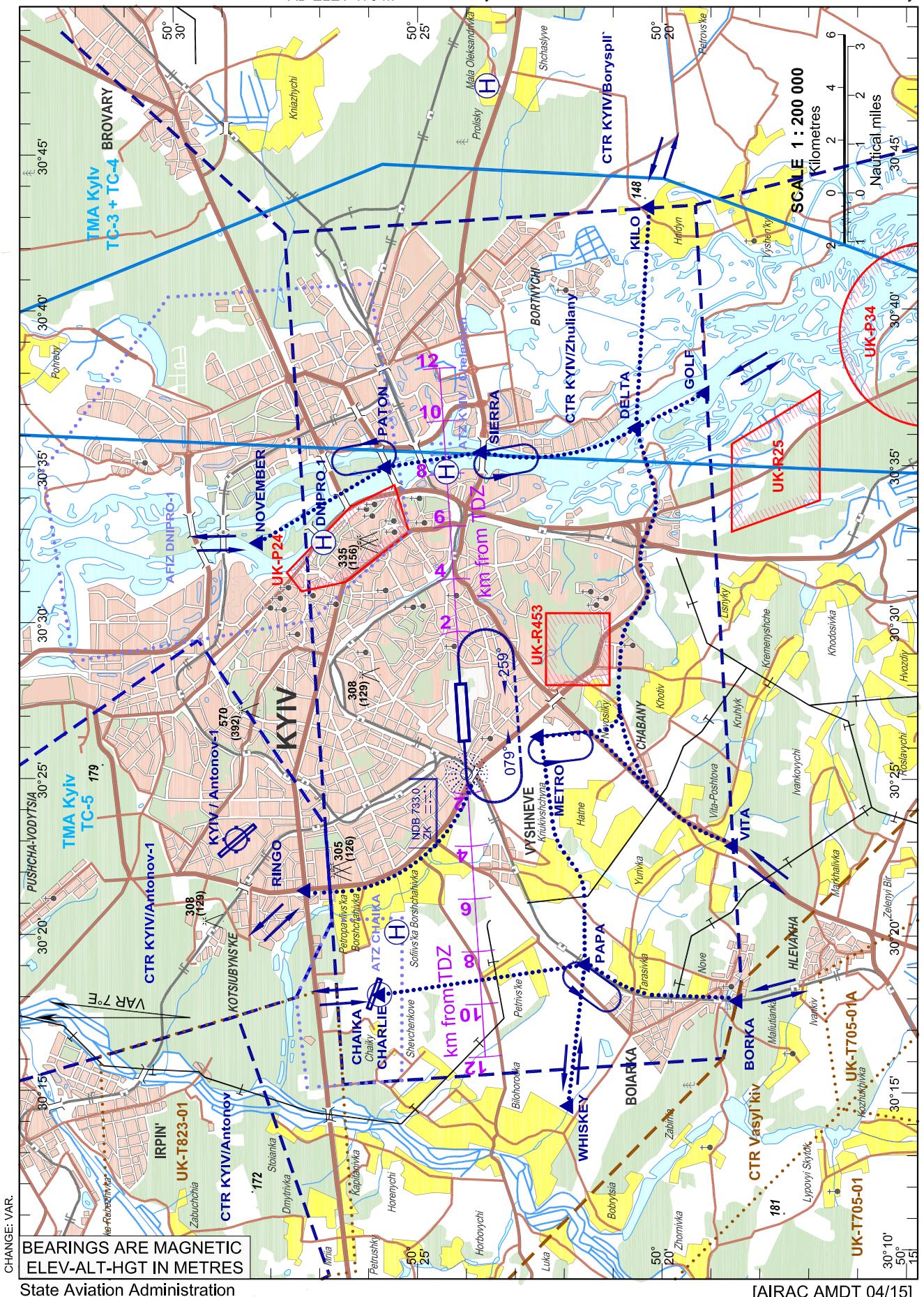
KYIV/Zhuliany  
NDB RWY 26

## VISUAL APPROACH CHART

AD ELEV 179 m

Kyiv Information 118.500  
Zhuliany TWR 120.700

KYIV/Zhuliany



CHANGE: VAR.

**BEARINGS ARE MAGNETIC  
ELEV-ALT-HGT IN METRES**

State Aviation Administration

[AIRAC AMDT 04/15]

Designation	Vertical limits and airspace Class	Call signs and frequencies (MHz)	Designation	Vertical limits and airspace Class
CTR KYIV/ Zhuliany	700/SFC Class D	Zhuliany TWR 120.700	UK-P24	800/SFC Unclassified
CTR KYIV/ Boryspil'	900/SFC Class D	Boryspil' TWR RWY 18R/36L 119.650	UK-P25	700/SFC Unclassified
CTR KYIV / Antonov	1500/SFC Class D	Antonov TWR 121.700	UK-P34	1000/SFC Unclassified
CTR KYIV / Antonov-1	900/SFC Class D	Kyiv Antonov-1 TWR 127.125	UK-R453	400/SFC Unclassified
TMA Kyiv TC-3+TC-4	2900/450 Class C	Kyiv Radar 122.775 128.175	UK-T705-01	1500/SFC Unclassified
TMA Kyiv TC-5	1650/400 Class C	Kyiv Radar 125.300	UK-T705-01A	FL150/SFC Unclassified
AFIZ Dnipro-1	800/SFC Class G	Dnipro-1 Aerodrome Information 124.950	UK-T823-01	1850/SFC Unclassified
ATZ CHAIKA	450/SFC Class G	Chaika TWR 131.250		
CTR Vasyl'kiv	1200/SFC Unclassified	Plenochka Start 124.000 O/R		
ATZ KYIV/ Chelendzh	250/SFC Class G	Zhuliany TWR 120.700		

## Prescribed VFR Routes

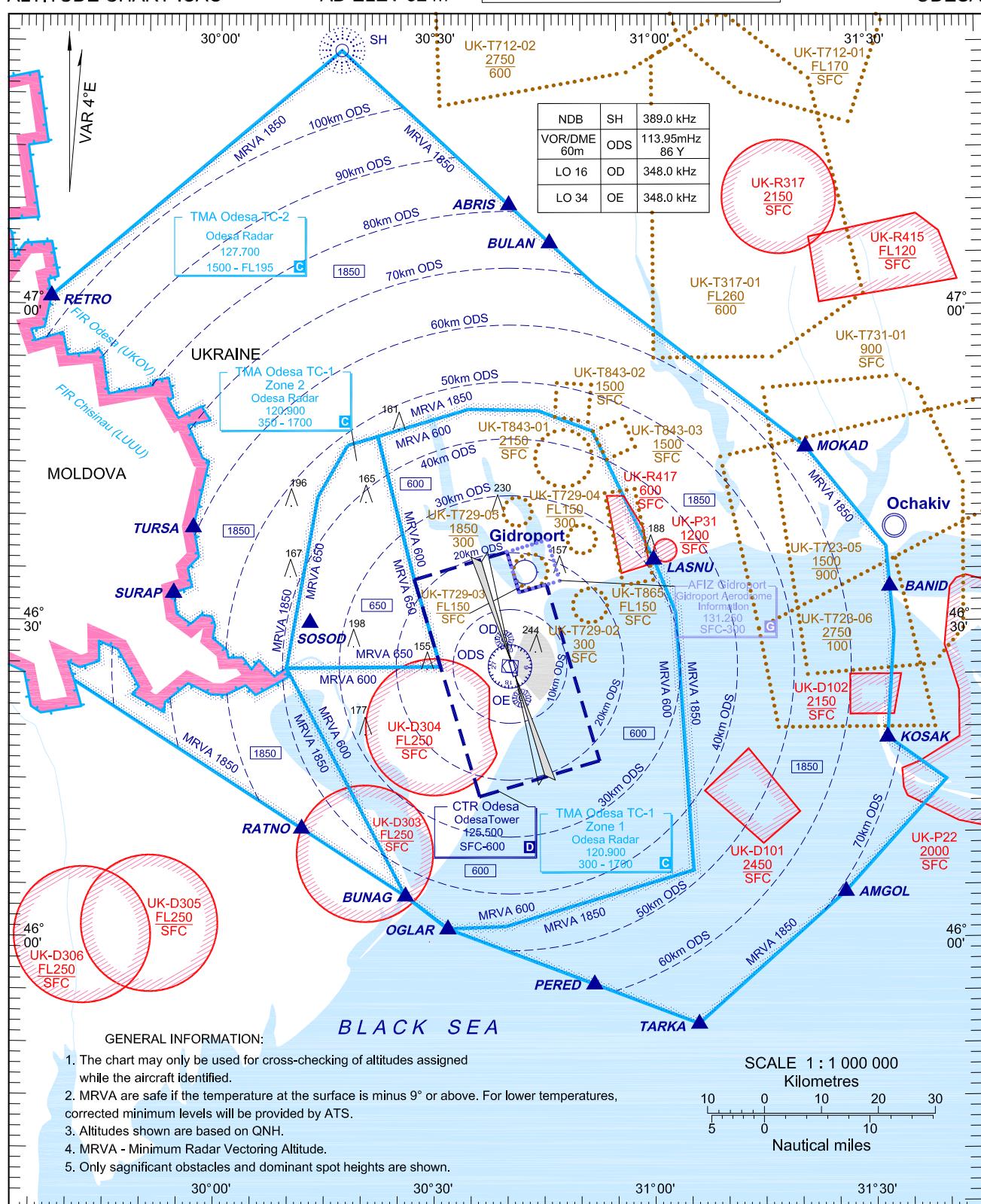
Waypoint name	Coordinates	Description	Remarks
BORKA	501828N 0301755E	Railway station in Boyarka town	-
CHARLIE	502547N 0301805E	Airfield Kyiv/chaika	-
DELTA	502033N 0303612E	Island on Dnipro river/Staryk gulf	-
GOLF	501908N 0303719E	Peninsula	-
KILO	502015N 0304316E	Northeast of Hnidyn village (sand quarry)	For flights to/from UKBB only
METRO	502233N 0302621E	Metro Mall ( northwest side of intersection of Akademika Hlushkova avenue and Kil'tseva road )	LH Holding
NOVEMBER	502816N 0303233E	Bridge under construction	-
PAPA	502136N 0301904E	Railway between Tarasivka and Petrivs'ke villages	LH Holding
PATON	502539N 0303457E	Paton's bridge	RH Holding
RINGO	502719N 0302125E	Intersection of Peremohy avenue and Kil'tseva road	-
SIERA	502340N 0303527E	Pivdennyi bridge	LH Holding
VITA	501824N 0302252E	Motorway E95 (South of Vita Poshtova village)	-
WHISKEY	502166N 0301433E	Southeast of Bilogorodka village	-
ZK NDB	502402N 0302509E	-	-

**ATC SURVEILLANCE MINIMUM  
ALTITUDE CHART-ICAO**

AD ELEV 52 m

**TRANSITION LEVEL: by ATC  
TRANSITION ALT: 3050**

ODESA

**GENERAL INFORMATION:**

1. The chart may only be used for cross-checking of altitudes assigned while the aircraft identified.
2. MRVA are safe if the temperature at the surface is minus 9° or above. For lower temperatures, corrected minimum levels will be provided by ATS.
3. Altitudes shown are based on QNH.
4. MRVA - Minimum Radar Vectoring Altitude.
5. Only significant obstacles and dominant spot heights are shown.

SCALE 1 : 1 000 000  
Kilometres
 10 0 10 20 30  
Nautical miles

CHANGE: UK-T712-01, UK-T712-02

**NOTE:**

1. Visual manoeuvring (circling) and visual approach not authorized below 1200m within sector from R020° to R135°, from D1.5 km to D8.0 km ODS VOR/DME.
2. Any activities within the areas UK-T729-03, UK-T729-04, UK-T729-05 not authorized without prior coordination with Odesa ATC.
3. Speed restriction: MAX IAS 250 kt (465 km/h) at or BLW FL100 (3050 m).

**COMMUNICATION FAILURE PROCEDURE:**

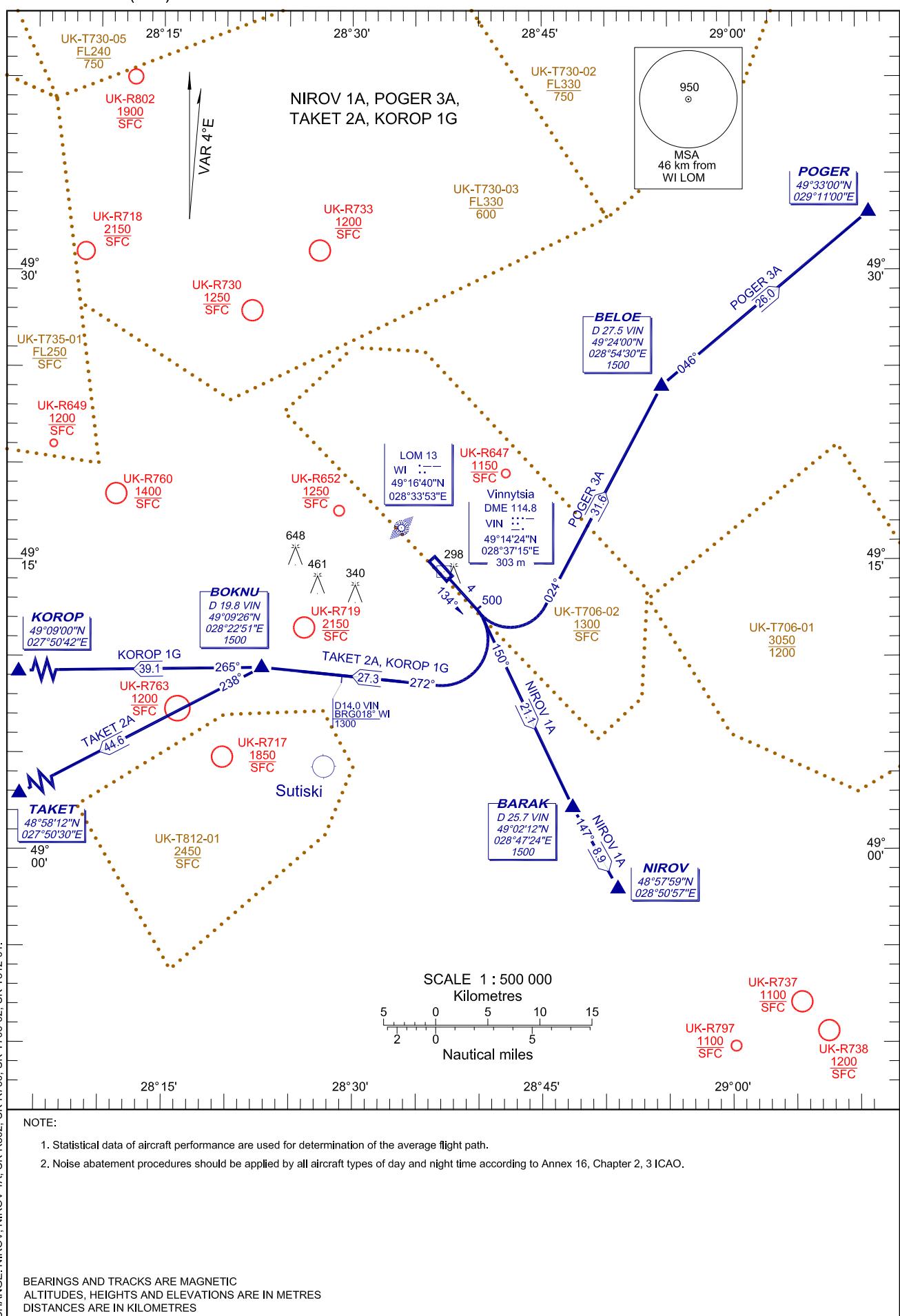
1. If approach clearance is not received - proceed direct to OD LO (RWY 16) or to OE LO (RWY 34) and maintain last assigned ALT, then carry out instrument approach for RWY in use.
2. If approach clearance is received - carry out instrument approach for RWY in use as published.

**BEARINGS AND TRACKS ARE MAGNETIC  
ALTITUDES AND ELEVATIONS ARE IN METRES  
DISTANCES ARE IN KILOMETRES**

Minimum radar vectoring altitude	Coordinates	
600	464809N	0305136E
	463600N	0310000E
	463100N	0310300E
	460628N	0310522E
	460108N	0303945E
	460054N	0303148E
	460400N	0302600E
	462535N	0300935E
	462546N	0303044E
	463401N	0302705E
	464736N	0302200E
	465012N	0303430E
	465005N	0304404E
	464809N	0305136E
650	462535N	0300935E
	464148N	0301345E
	464644N	0301749E
	464736N	0302200E
	463401N	0302705E
	462546N	0303044E
	462535N	0300935E
1850	462412N	0294035E
	Then along the State border to the point:	
	470046N	0293640E
	472412N	0301648E
	470200N	0305200E
	464636N	0312100E
	463706N	0313200E
	462900N	0313300E
	461900N	0313200E
	461500N	0314000E
	460424N	0312606E
	455154N	0310600E
	460054N	0303148E
	460400N	0302600E
	462412N	0294035E

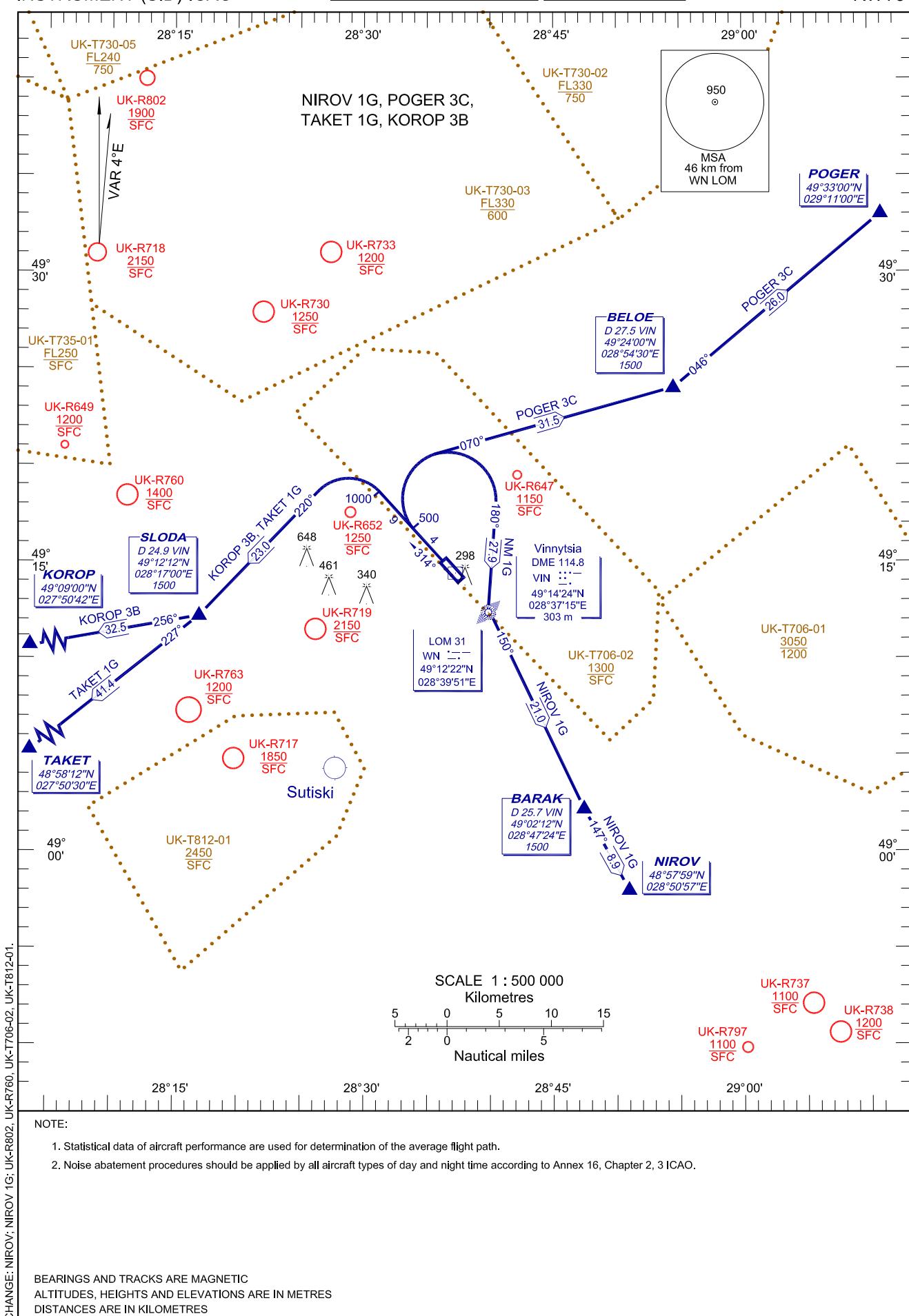
STANDARD DEPARTURE CHART  
INSTRUMENT (SID)-ICAOTRANSITION LEVEL : by ATC  
TRANSITION ALT : 3050

TWR 128.000

VINNITSIA/Gavryshivka  
RWY13

SID RWY 13

Designator	Route	Altitude	Remarks
NIROV 1A NIROV ONE ALFA	On track 134° climb to 500, turn RIGHT on track 150° to BARAK, turn LEFT on track 147° to NIROV	Cross BARAK at 1500	nil
POGER 3A POGER THREE ALFA	On track 134° climb to 500, turn LEFT on track 024° to BELOE, turn RIGHT on track 046° to POGER.	Cross BELOE at 1500.	nil
TAKET 2A TAKET TWO ALFA	On track 134° climb to 500, turn RIGHT on track 272° to BOKNU, turn LEFT on track 238° to TAKET.	Cross D14.0 VIN BRG 018°WI at 1300, cross BOKNU at 1500.	nil
KOROP 1G KOROP ONE GOLF	On track 134° climb to 500, turn RIGHT on track 272° to BOKNU, turn LEFT on track 265° to KOROP.	Cross D14.0 VIN BRG 018°WI at 1300, cross BOKNU at 1500.	nil

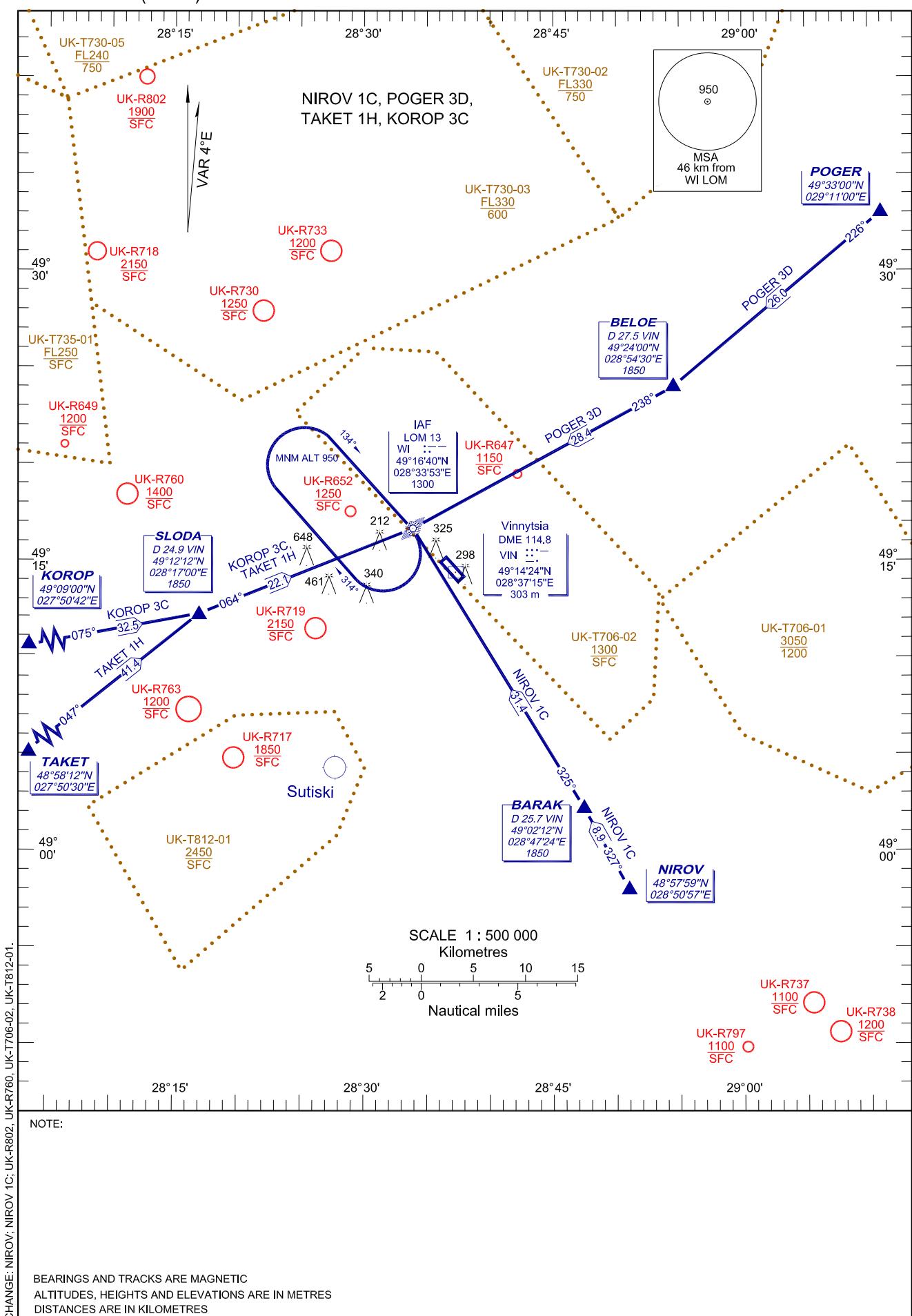
STANDARD DEPARTURE CHART  
INSTRUMENT (SID)-ICAOTRANSITION LEVEL : by ATC  
TRANSITION ALT : 3050 TWR 128.000VINYNTSIA/Gavryshivka  
RWY31

SID RWY 31

Designator	Route	Altitude	Remarks
NIROV 1G NIROV ONE GOLF	On track 314° climb to 500, turn RIGHT on track 180° to WN LOM, turn LEFT on track 150° to BARAK, turn LEFT on track 147° to NIROV	Cross BARAK at 1500	nil
POGER 3C POGER THREE CHARLIE	On track 314° climb to 500, turn RIGHT on track 070° to BELOE, turn LEFT on track 046° to POGER.	Cross BELOE at 1500.	nil
TAKET 1G TAKET ONE GOLF	On track 314° climb to 1000, turn LEFT on track 220° to SLODA, turn RIGHT on track 227° to TAKET.	Cross SLODA at 1500.	nil
KOROP 3B KOROP THREE BRAVO	On track 314° climb to 1000, turn LEFT on track 220° to SLODA, turn RIGHT on track 256° to KOROP.	Cross SLODA at 1500.	nil

STANDARD ARRIVAL CHART  
INSTRUMENT (STAR)-ICAOTRANSITION LEVEL : by ATC  
TRANSITION ALT : 3050

TWR 128.000

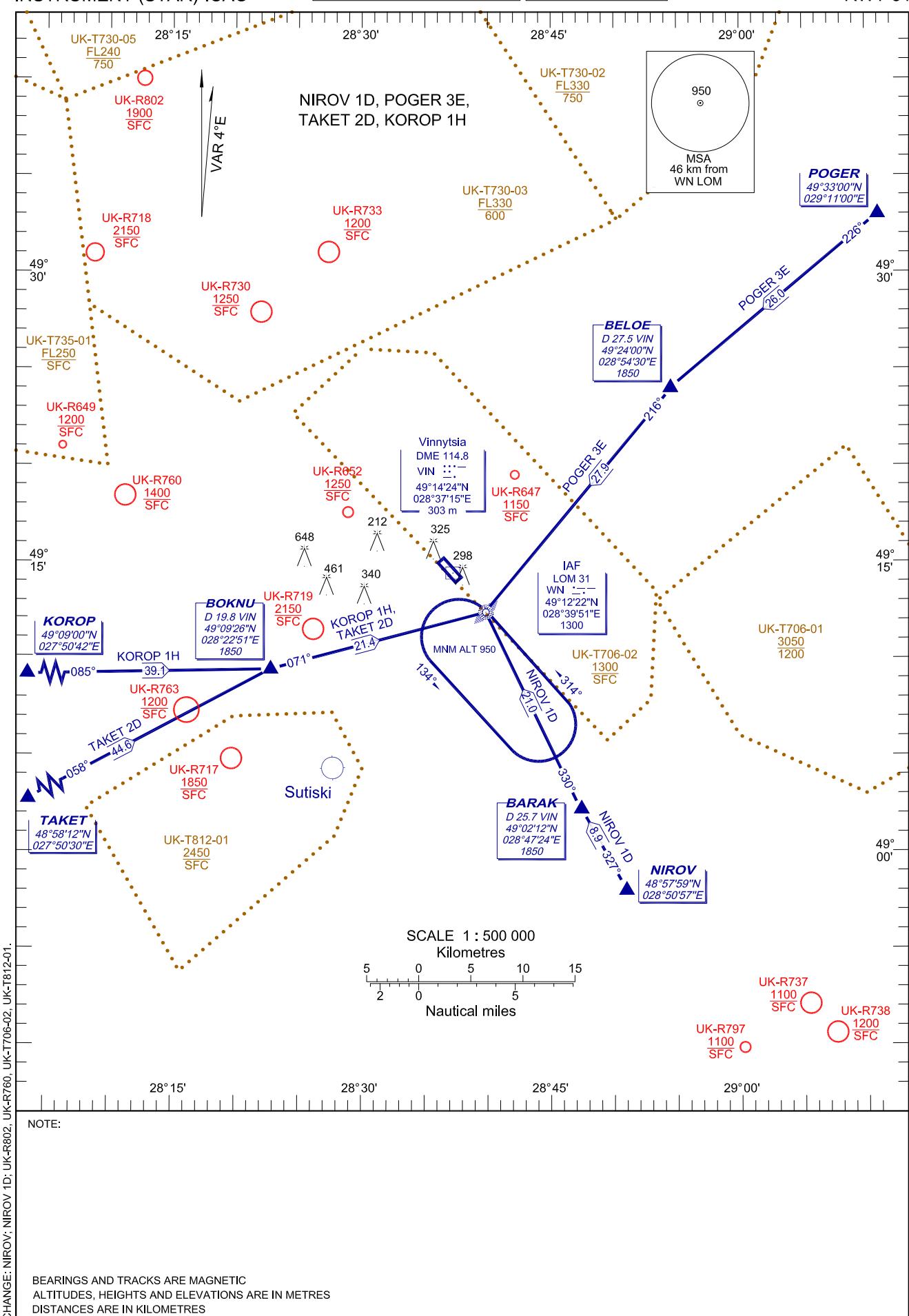
VINNYTSIA/Gavryshivka  
RWY 13

STAR RWY 13

Designator	Route	Altitude	Remarks
NIROV 1C NIROV ONE CHARLIE	On track 327° to BARAK, turn LEFT on track 325° to IAF WI LOM, then according to approach chart	Cross BARAK at 1850, cross IAF WI LOM at 1300	nil
POGER 3D POGER THREE DELTA	On track 226° to BELOE, turn RIGHT on track 238° to IAF WI LOM, then according to approach chart.	Cross BELOE at 1850, cross IAF WI LOM at 1300.	nil
TAKET 1H TAKET ONE HOTEL	On track 047° to SLODA, turn RIGHT on track 064° to IAF WI LOM, then according to approach chart.	Cross SLODA at 1850, cross IAF WI LOM at 1300.	nil
KOROP 3C KOROP THREE CHARLIE	On track 075° to SLODA, turn LEFT on track 064° to IAF WI LOM, then according to approach chart.	Cross SLODA at 1850, cross IAF WI LOM at 1300.	nil

STANDARD ARRIVAL CHART  
INSTRUMENT (STAR)-ICAOTRANSITION LEVEL : by ATC  
TRANSITION ALT : 3050

TWR 128.000

VINNYTSIA/Gavryshivka  
RWY 31

STAR RWY 31

Designator	Route	Altitude	Remarks
NIROV 1D NIROV ONE DELTA	On track 327° to BARAK, turn RIGHT on track 330° to IAF WN LOM, then according to approach chart	Cross BARAK at 1850, cross IAF WN LOM at 1300	nil
POGER 3E POGER THREE ECHO	On track 226° to BELOE, turn LEFT on track 216° to IAF WN LOM, then according to approach chart.	Cross BELOE at 1850, cross IAF WN LOM at 1300.	nil
TAKET 2D TAKET TWO DELTA	On track 058° to BOKNU, turn RIGHT on track 071° to IAF WN LOM, then according to approach chart.	Cross BOKNU at 1850, cross IAF WN LOM at 1300.	nil
KOROP 1H KOROP ONE HOTEL	On track 085° to BOKNU, turn LEFT on track 071° to IAF WN LOM, then according to approach chart.	Cross BOKNU at 1850, cross IAF WN LOM at 1300.	nil