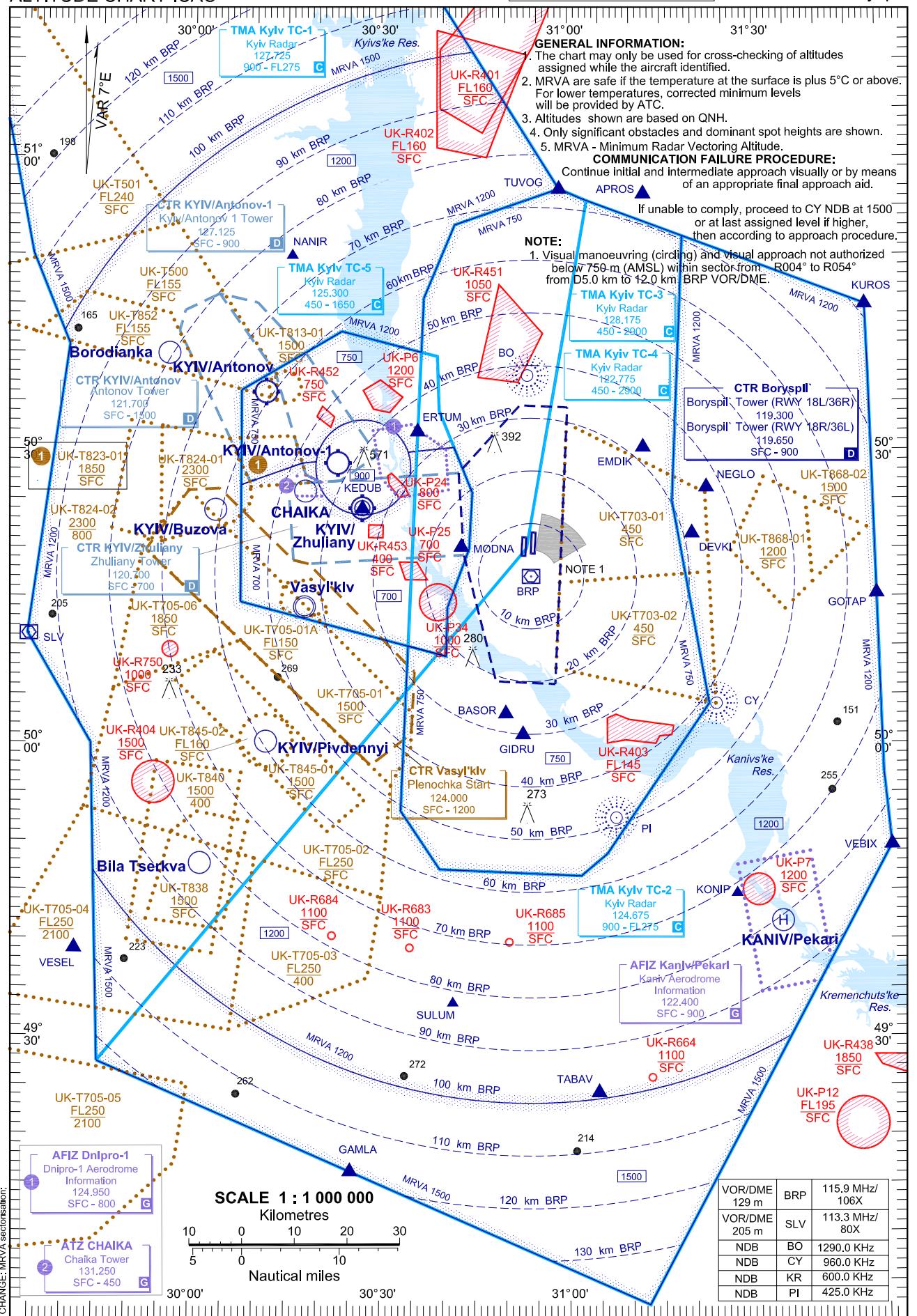


**ATC SURVEILLANCE MINIMUM ALTITUDE CHART-ICAO**

AD ELEV 130 m

**TRANSITION LEVEL:** by ATC  
**TRANSITION ALT:** 3050
**KYIV/Boryspil'**

No	Altitude	Coordinates	
1	1500	512413N	0292254E
		Then along the state border to the point	
		511911N	0303620E
		511043N	0304449E
		Then along counterclockwise arc radius 100 km centered at 501709N 0305403E to the point	
		504206N	0293909E
		505000N	0293400E
		512413N	0292254E

No	Altitude	Coordinates	
4	900	Circle radius 9 km centered at 502817N 0302712E	

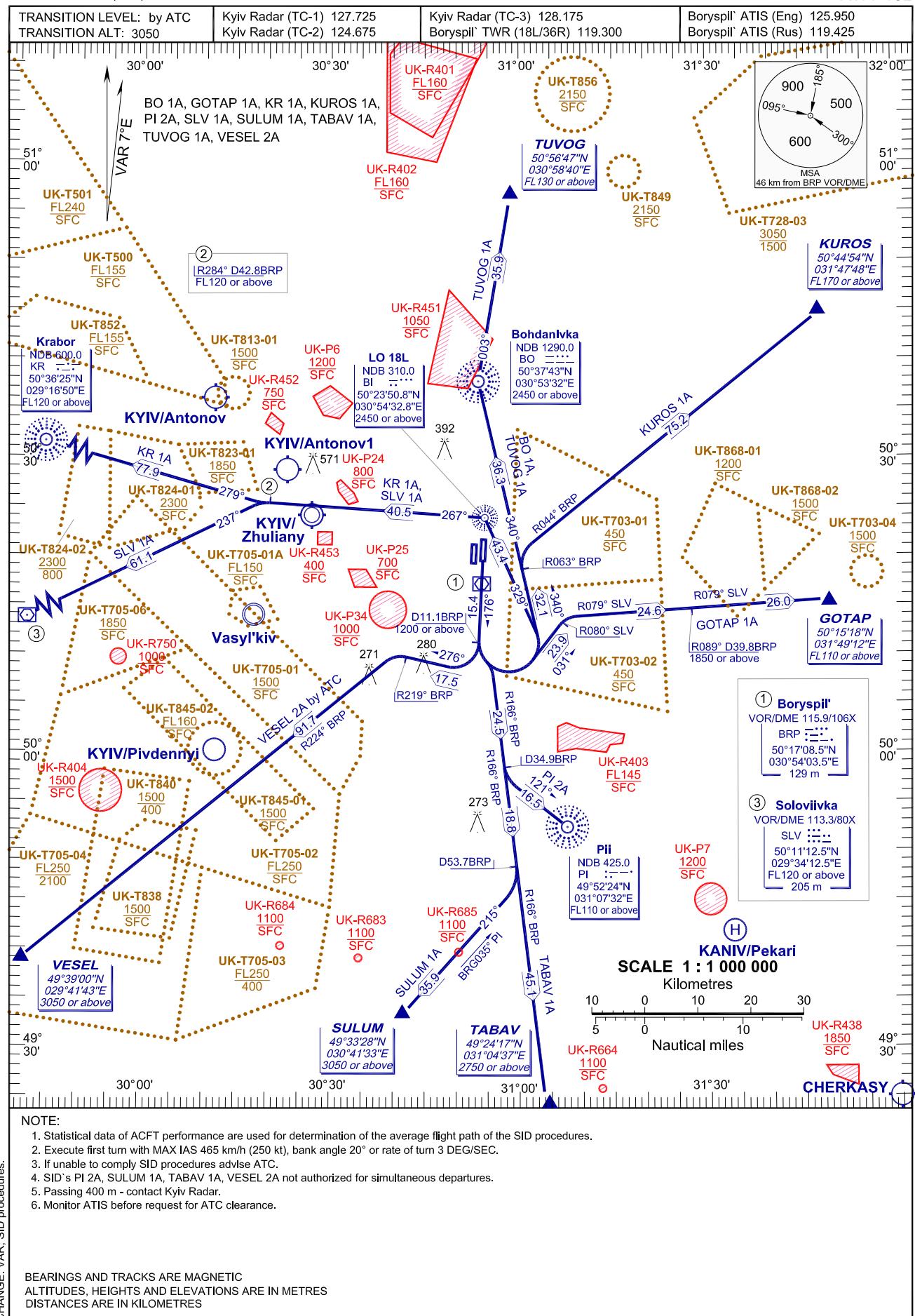
No	Altitude	Coordinates	
5	750	504536N	0303653E
		505307N	0304150E
		505647N	0305840E
		505535N	0310307E
		505156N	0311830E
		502448N	0311638E
		500406N	0312222E
		494844N	0310605E
		494628N	0310157E
		494708N	0303929E
		495307N	0303317E
		501000N	0303426E
		500858N	0304030E
		501356N	0304042E
		501959N	0304411E
		502544N	0304440E
		503021N	0304144E
		502952N	0303424E
		Then along counterclockwise arc radius 9 km centered at 502817N 0302712E to the point	
		502851N	0301939E
		502842N	0301724E
		502628N	0300740E
		503611N	0300739E
		504212N	0302342E
		504006N	0303630E
		504536N	0303653E

No	Altitude	Coordinates	
6	700	502628N	0300740E
		502842N	0301724E
		502851N	0301939E
		Then along counterclockwise arc radius 9 km centered at 502817N 0302712E to the point	
		502952N	0303424E
		503021N	0304144E
		502544N	0304440E
		501959N	0304411E
		501356N	0304042E
		500858N	0304030E
		501000N	0303426E
		501430N	0300741E
		502628N	0300740E

No	Altitude	Coordinates	
3	1200	501111N	0293345E
		504048N	0294000E
		504206N	0293909E
		Then along clockwise arc radius 100 km centered at 501709N 0305403E to the point	
		511043N	0304449E
		505647N	0305840E
		505307N	0304150E
		504536N	0303653E
		504006N	0303630E
		504212N	0302342E
		503611N	0300739E
		502628N	0300740E
		501430N	0300741E
		501000N	0303426E
		495307N	0303317E
		494708N	0303929E
		494628N	0310157E
		494844N	0310605E
		500406N	0312222E
		502448N	0311638E
		505156N	0311830E
		504454N	0314748E
		503855N	0314810E
		495700N	0315000E
		494934N	0315109E
		493009N	0313505E
		Then along clockwise arc radius 100 km centered at 501709N 0305403E to the point	
		494700N	0294436E
		500000N	0294400E
		501111N	0293345E

## STANDARD DEPARTURE CHART INSTRUMENT (SID)-ICAO

KYIV/Boryspil' RWY 18L



CHANGE: VAR; SID procedures.

**NOTE:**

1. Statistical data of ACFT performance are used for determination of the average flight path of the SID procedures.
2. Execute first turn with MAX IAS 465 km/h (250 kt), bank angle 20° or rate of turn 3 DEG/SEC.
3. If unable to comply SID procedures advise ATC.
4. SID's PI 2A, SULUM 1A, TABAV 1A, VESEL 2A not authorized for simultaneous departures.
5. Passing 400 m in contact Kyly Radar.
6. Monitor ATIS before request for ATC clearance

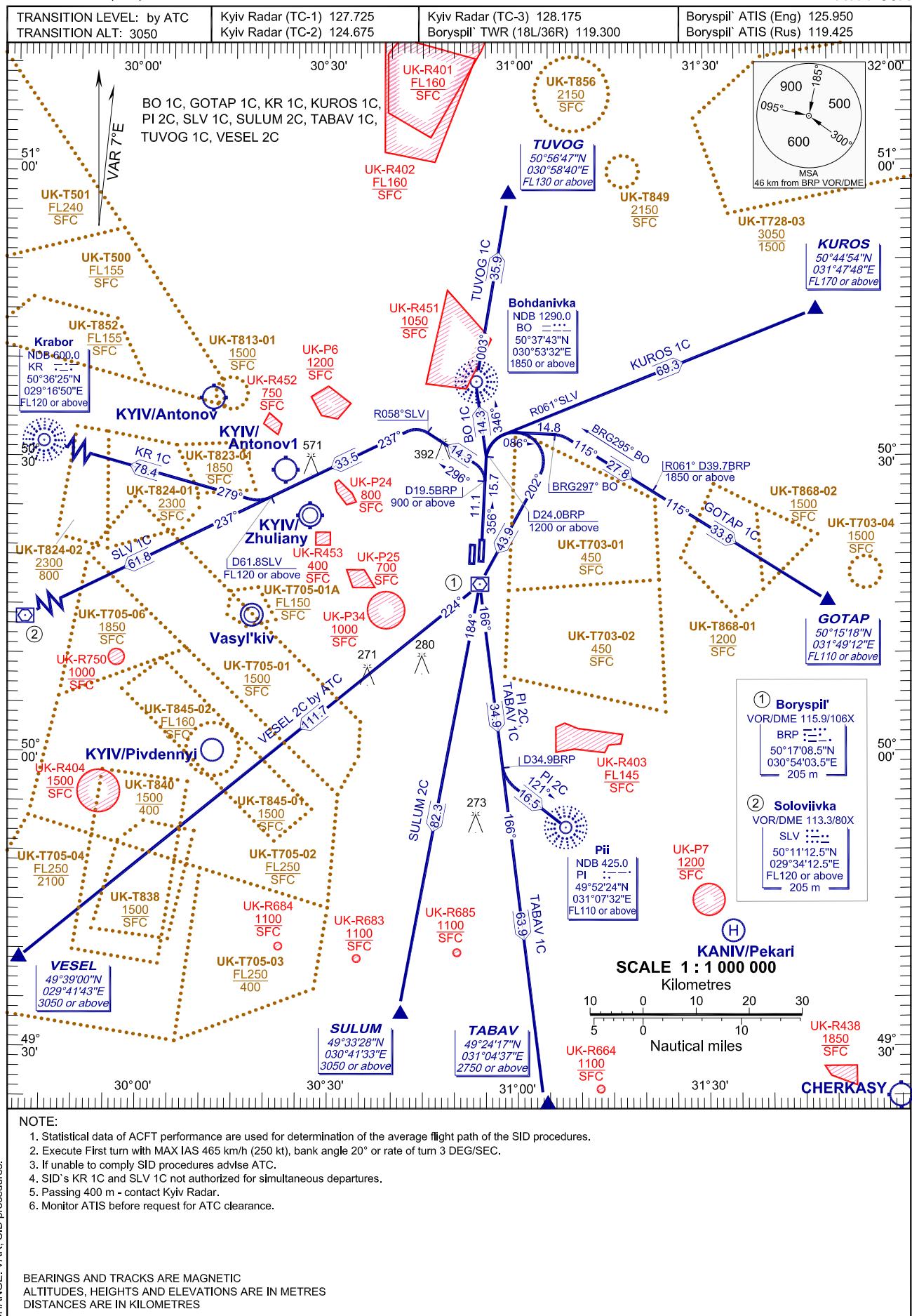
**BEARINGS AND TRACKS ARE MAGNETIC  
ALTITUDES, HEIGHTS AND ELEVATIONS ARE IN METRES  
DISTANCES ARE IN KILOMETRES**

SID RWY18L

Designator	Route	Altitude	Remarks
BO 1A Bohdanivka ONE ALFA	On track 176° to D11,1 BRP DME, then turn LEFT on track 340° to BO NDB	Cross D11,1 BRP DME at 1200 or above, BO NDB at 2450 or above	nil
GOTAP 1A GOTAP ONE ALFA	On track 176° to D11,1 BRP DME, turn LEFT on track 031° to intercept R080° SLV VOR, then turn RIGHT on R079° SLV VOR to GOTAP	Cross D11,1 BRP DME at 1200 or above, R089° D39,8 BRP VOR/DME at 1850 or above, GOTAP at FL110 or above	nil
KR 1A Krabor ONE ALFA	On track 176° to D11,1 BRP DME, turn LEFT on track 329° to BI NDB, turn LEFT on track 267° from BI NDB to R284° D42,8 BRP VOR/DME, then turn RIGHT on track 279° to KR NDB	Cross D11,1 BRP DME at 1200 or above, BI NDB at 2450 or above, R284° D42,8 BRP VOR/DME at FL120 or above, KR NDB at FL120 or above	nil
KUROS 1A KUROS ONE ALFA	On track 176° to D11,1 BRP DME, turn LEFT on track 340° to BO NDB, intercept R063° BRP VOR, then turn RIGHT on R044° BRP VOR to KUROS	Cross D11,1 BRP DME at 1200 or above, KUROS at FL170 or above	nil
PI 2A Pii TWO ALFA	On track 176° to D11,1 BRP DME, turn LEFT on R166° BRP VOR to D34,9 BRP DME, then turn LEFT on track 121° to PI NDB	Cross D11,1 BRP DME at 1200 or above, PI NDB at FL110 or above	Not authorized for simultaneous departures
SLV 1A Soloviivka ONE ALFA	On track 176° to D11,1 BRP DME, turn LEFT on track 329° to BI NDB, turn LEFT on track 267° from BI NDB to R284° D42,8 BRP VOR/DME, then turn LEFT on track 237° to SLV VOR/DME	Cross D11,1 BRP DME at 1200 or above, BI NDB at 2450 or above, R284° D42,8 BRP VOR/DME at FL120 or above, SLV VOR/DME at FL120 or above	nil
SULUM 1A SULUM ONE ALFA	On track 176° to D11,1 BRP DME, turn LEFT on R166° BRP VOR to D53,7 BRP DME, then turn RIGHT on track 215° (BRG035° PI) to SULUM	Cross D11,1 BRP DME at 1200 or above, SULUM at 3050 or above	Not authorized for simultaneous departures
TABAV 1A TABAV ONE ALFA	On track 176° to D11,1 BRP DME, then turn LEFT on R166° BRP VOR to TABAV	Cross D11,1 BRP DME at 1200 or above, TABAV at 2750 or above	Not authorized for simultaneous departures
TUVOG 1A TUVOG ONE ALFA	On track 176° to D11,1 BRP DME, turn LEFT on track 340° to BO NDB, then turn RIGHT on track 003° from BO NDB to TUVOG	Cross D11,1 BRP DME at 1200 or above, BO NDB at 2450 or above, TUVOG at FL130 or above	nil
VESEL 2A VESEL ONE ALFA	On track 176° to D11,1 BRP DME, turn RIGHT on track 276° to intercept R219° BRP VOR, then turn LEFT on R224° BRP VOR to VESEL	Cross D11,1 BRP DME at 1200 or above, VESEL at 3050 or above	Not authorized for simultaneous departures. By ATC

## STANDARD DEPARTURE CHART INSTRUMENT (SID)-ICAO

KYIV/Boryspil  
RWY 36R



**CHANGE:** VAR; SID procedures.

**NOTE:**

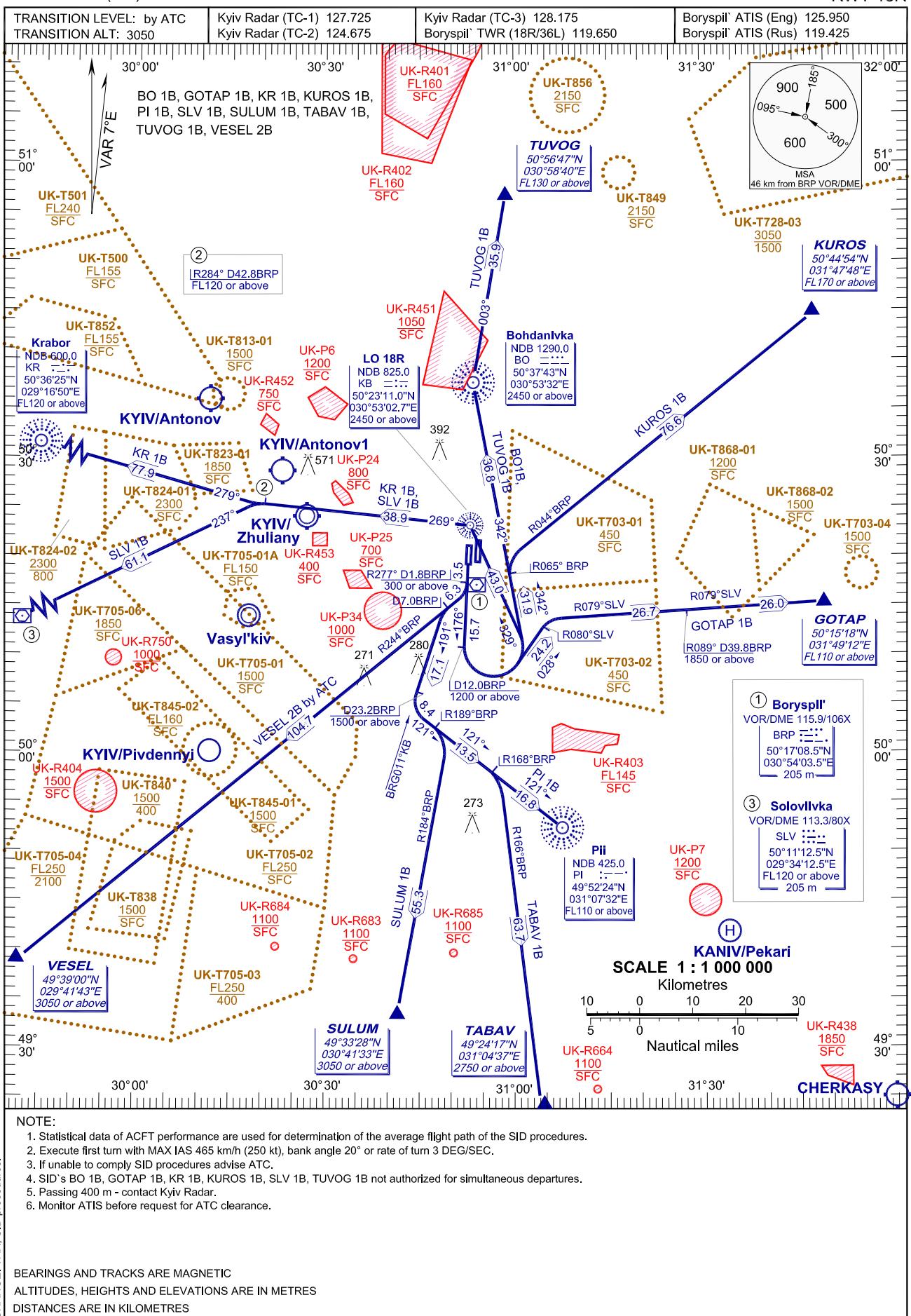
- NOTE:**

  1. Statistical data of ACFT performance are used for determination of the average flight path of the SID procedures.
  2. Execute First turn with MAX IAS 465 km/h (250 kt), bank angle 20° or rate of turn 3 DEG/SEC.
  3. If unable to comply SID procedures advise ATC.
  4. SID's KR 1C and SLV 1C not authorized for simultaneous departures.
  5. Passing 400 m - before contact Kyiv Radar.
  6. Monitor ATIS before request for ATC clearance.

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

SID RWY36R

Designator	Route	Altitude	Remarks
BO 1C Bohdanivka ONE CHARLIE	On track 356° to D24,0 BRP DME, then turn LEFT on track 346° to BO NDB	Cross D24,0 BRP DME at 1200 or above, BO NDB at 1850 or above	nil
GOTAP 1C GOTAP ONE CHARLIE	On track 356° to D24,0 BRP DME, turn RIGHT on track 086° to intercept BRG297° BO NDB, then turn RIGHT on track 115° (BRG295° BO NDB) to GOTAP	Cross D24,0 BRP DME at 1200 or above, R061° D39,7 BRP VOR/DME at 1850 or above, GOTAP at FL110 or above	nil
KR 1C Krabor ONE CHARLIE	On track 356° to D19,5 BRP DME, turn LEFT on track 296° to intercept R058° SLV VOR, turn LEFT on track 237° to SLV VOR/DME, then on D61,8 SLV DME turn RIGHT on track 279° to KR NDB	Cross D19,5 BRP DME at 900 or above, D61,8 SLV DME at FL120 or above, KR NDB at FL120 or above	Not authorized for simultaneous departures
KUROS 1C KUROS ONE CHARLIE	On track 356° to D24,0 BRP DME, then turn RIGHT on R061° SLV VOR to KUROS	Cross D24,0 BRP DME at 1200 or above, KUROS at FL170 or above	nil
PI 2C Pii TWO CHARLIE	On track 356° to D24,0 BRP DME, turn RIGHT on track 202° to BRP VOR/DME, turn LEFT on track 166° from BRP VOR/DME to D34,9 BRP DME, then turn LEFT on track 121° to PI NDB	Cross D24,0 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, PI NDB at FL110 or above	nil
SLV 1C Soloviivka ONE CHARLIE	On track 356° to D19,5 BRP DME, turn LEFT on track 296° to intercept R058° SLV VOR, then turn LEFT on track 237° to SLV VOR/DME	Cross D19,5 BRP DME at 900 or above, D61,8 SLV DME at FL120 or above, SLV VOR/DME at FL120 or above	Not authorized for simultaneous departures
SULUM 2C SULUM TWO CHARLIE	On track 356° to D24,0 BRP DME, turn RIGHT on track 202° to BRP VOR/DME, then turn LEFT on track 184° from BRP VOR/DME to SULUM	Cross D24,0 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, SULUM at 3050 or above	nil
TABAV 1C TABAV ONE CHARLIE	On track 356° to D24,0 BRP DME, turn RIGHT on track 202° to BRP VOR/DME, then turn LEFT on track 166° from BRP VOR/DME to TABAV	Cross D24,0 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, TABAV at 2750 or above	nil
TUVOG 1C TUVOG ONE CHARLIE	On track 356° to D24,0 BRP DME, turn LEFT on track 346° to BO NDB, then turn RIGHT on track 003° from BO NDB to TUVOG	Cross D24,0 BRP DME at 1200 or above, BO NDB at 1850 or above, TUVOG at FL130 or above	nil
VESEL 2C VESEL TWO CHARLIE	On track 356° to D24,0 BRP DME, turn RIGHT on track 202° to BRP VOR/DME, then turn RIGHT on track 224° from BRP VOR/DME to VESEL	Cross D24,0 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, VESEL at 3050 or above	By ATC

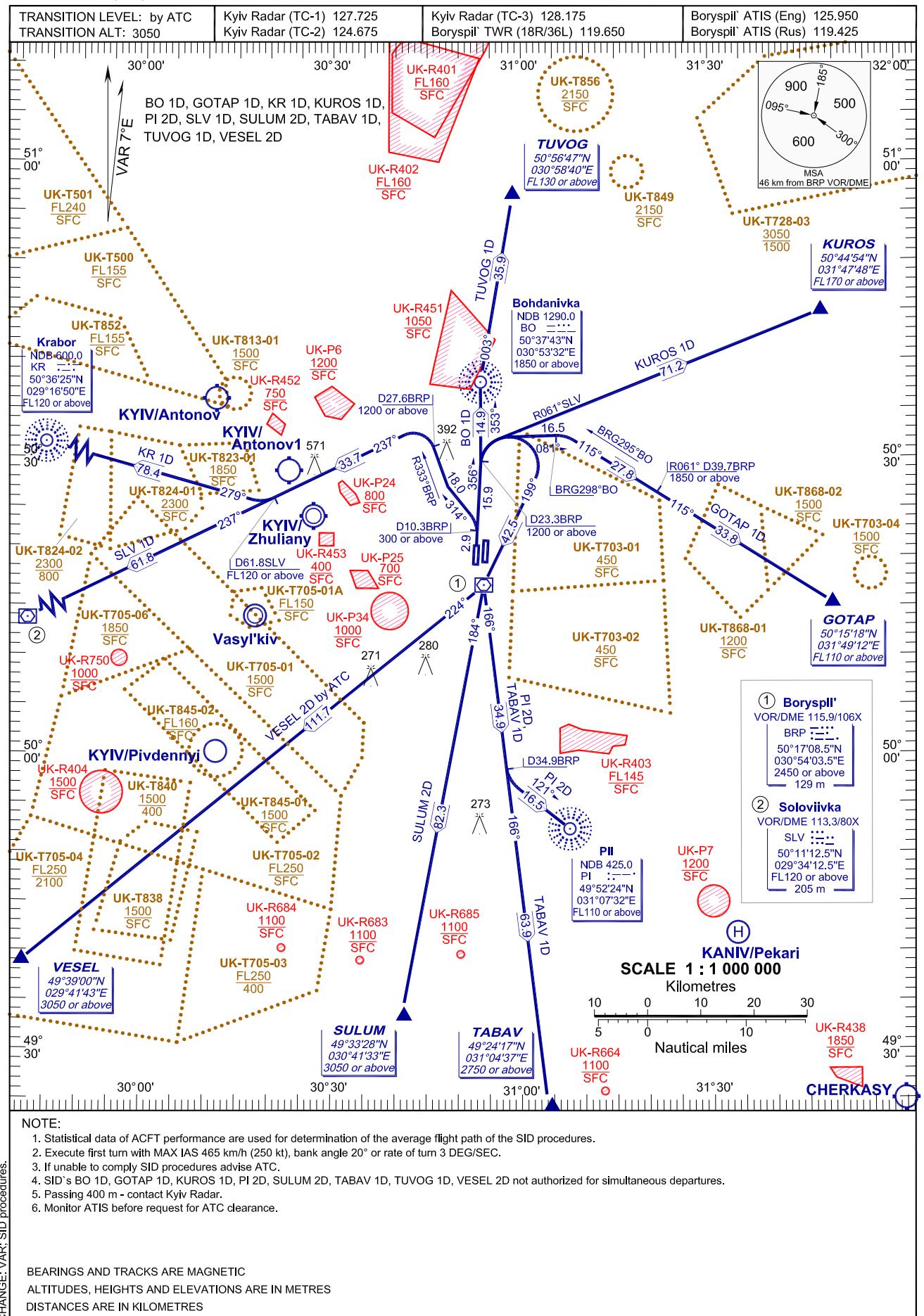
STANDARD DEPARTURE CHART  
INSTRUMENT (SID)-ICAOKYIV/Boryspil'  
RWY 18R

SID RWY18R

Designator	Route	Altitude	Remarks
BO 1B Bohdanivka ONE BRAVO	On track 176° to D12,0 BRP DME, then turn LEFT on track 342° to BO NDB	Cross D12,0 BRP DME at 1200 or above, BO NDB at 2450 or above	Not authorized for simultaneous departures
GOTAP 1B GOTAP ONE BRAVO	On track 176° to D12,0 BRP DME, turn LEFT on track 028° to intercept R080° SLV VOR, then turn RIGHT on R079° SLV VOR to GOTAP	Cross D12,0 BRP DME at 1200 or above, R089° D39,8 BRP VOR/DME at 1850 or above, GOTAP at FL110 or above	Not authorized for simultaneous departures
KR 1B Krabor ONE BRAVO	On track 176° to D12,0 BRP DME, turn LEFT on track 329° to KB NDB, turn LEFT on track 269° from KB NDB to R284° D42,8 BRP VOR/DME, then turn RIGHT on track 279° to KR NDB	Cross D12,0 BRP DME at 1200 or above, KB NDB at 2450 or above, R284° D42,8 BRP VOR/DME at FL120 or above, KR NDB at FL120 or above	Not authorized for simultaneous departures
KUROS 1B KUROS ONE BRAVO	On track 176° to D12,0 BRP DME, turn LEFT on track 342° to BO NDB, intercept R065° BRP VOR, then turn RIGHT on R044° BRP VOR to KUROS	Cross D12,0 BRP DME at 1200 or above, KUROS at FL170 or above	Not authorized for simultaneous departures
PI 1B Pii ONE BRAVO	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to D23,2 BRP DME, then turn LEFT on track 121° to PI NDB	Cross R277° D1,8 BRP VOR/DME at 300 or above, D23,2 BRP DME at 1500 or above, PI NDB at FL110 or above	nil
SLV 1B Soloviivka ONE BRAVO	On track 176° to D12,0 BRP DME, turn LEFT on track 329° to KB NDB, turn LEFT on track 269° from KB NDB to R284° D42,8 BRP VOR/DME, then turn LEFT on track 237° to SLV VOR/DME	Cross D12,0 BRP DME at 1200 or above, KB NDB at 2450 or above, R284° D42,8 BRP VOR/DME at FL120 or above, SLV VOR/DME at FL120 or above	Not authorized for simultaneous departures
SULUM 1B SULUM ONE BRAVO	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to D23,2 BRP DME, turn LEFT on track 121° to PI NDB, intercept R189° BRP VOR, then turn RIGHT on R184° BRP VOR to SULUM	Cross R277° D1,8 BRP VOR/DME at 300 or above, D23,2 BRP DME at 1500 or above, SULUM at 3050 or above	nil
TABAV 1B TABAV ONE BRAVO	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to D23,2 BRP DME, turn LEFT on track 121° to PI NDB, intercept R168° BRP VOR, then turn RIGHT on R166° BRP VOR to TABAV	Cross R277° D1,8 BRP VOR/DME at 300 or above, D23,2 BRP DME at 1500 or above, TABAV at 2750 or above	nil
TUVOG 1B TUVOG ONE BRAVO	On track 176° to D12,0 BRP DME, turn LEFT on track 342° to BO NDB, then turn RIGHT on track 003° from BO NDB to TUVOG	Cross D12,0 BRP DME at 1200 or above, BO NDB at 2450 or above, TUVOG at FL130 or above	Not authorized for simultaneous departures
VESEL 2B VESEL TWO BRAVO	On track 176° to R277° D1,8 BRP VOR/DME, then turn RIGHT on R224° BRP VOR to VESEL	Cross R277° D1,8 BRP VOR/DME at 300 or above, VESEL at 3050 or above	By ATC

# STANDARD DEPARTURE CHART INSTRUMENT (SID)-ICAO

KYIV/Boryspil'  
RWY 36L



**NOTE:**

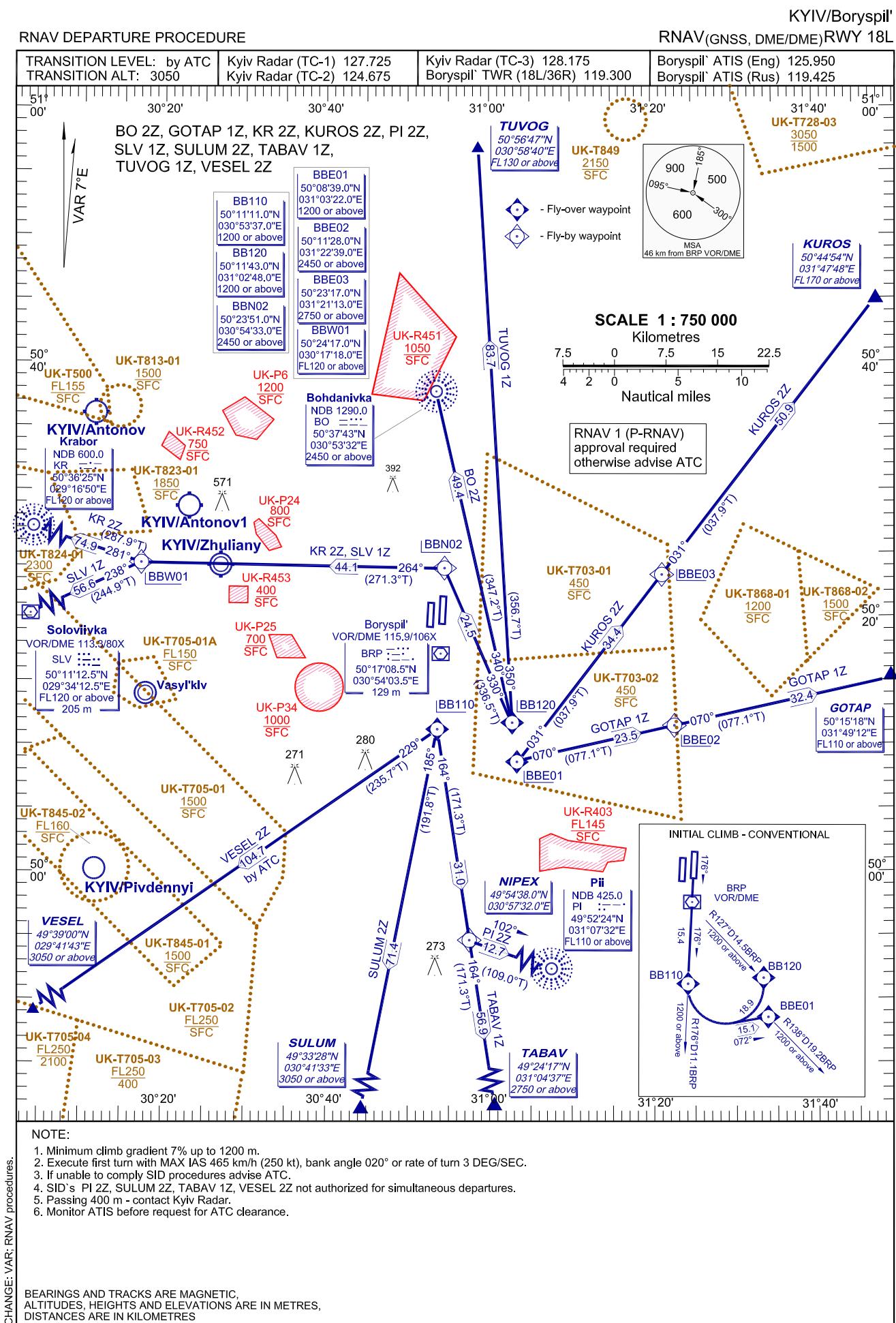
- NOTE:**

  1. Statistical data of ACFT performance are used for determination of the average flight path of the SID procedures.
  2. Execute first turn with MAX IAS 465 km/h (250 kt), bank angle 20° or rate of turn 3 DEG/SEC.
  3. If unable to comply SID procedures advise ATC.
  4. SID's BO 1D, GOTAP 1D, KUROS 1D, PI 2D, SULUM 2D, TABAV 1D, TUVOG 1D, VESEL 2D not authorized for simultaneous departures.
  5. Passing 400 m - contact Kyiv Radar.
  6. Monitor ATIS before request for ATC clearance.

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

SID RWY36L

Designator	Route	Altitude	Remarks
BO 1D Bohdanivka ONE DELTA	On track 356° to D23,3 BRP DME, then turn LEFT on track 353° to BO NDB	Cross D23,3 BRP DME at 1200 or above, BO NDB at 1850 or above	Not authorized for simultaneous departures
GOTAP 1D GOTAP ONE DELTA	On track 356° to D23,3 BRP DME, turn RIGHT on track 081° to intercept BRG298° BO NDB, then turn RIGHT on track 115° (BRG295° BO NDB) to GOTAP	Cross D23,3 BRP DME at 1200 or above, R061° D39,7 BRP VOR/DME at 1850 or above, GOTAP at FL110 or above.	Not authorized for simultaneous departures
KR 1D Krabor ONE DELTA	On track 356° to D10,3 BRP DME, turn LEFT on track 314° to intercept R333° BRP VOR, on R333° BRP VOR to D27,6 BRP DME, turn LEFT on track 237° to SLV VOR/DME, then on D61,8 SLV DME turn RIGHT on track 279° to KR NDB	Cross D10,3 BRP DME at 300 or above, D27,6 BRP DME at 1200 or above, D61,8 SLV DME at FL120 or above, KR NDB at FL120 or above	nil
KUROS 1D KUROS ONE DELTA	On track 356° to D23,3 BRP DME, then turn RIGHT on R061° SLV VOR to KUROS	Cross D23,3 BRP DME at 1200 or above, KUROS at FL170 or above	Not authorized for simultaneous departures
PI 2D Pi TWO DELTA	On track 356° to D23,3 BRP DME, turn RIGHT on track 199° to BRP VOR/DME, turn LEFT on track 166° from BRP VOR/DME to D34,9 BRP DME, then turn LEFT on track 121° to PI NDB	Cross D23,3 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, PI NDB at FL110 or above	Not authorized for simultaneous departure
SLV 1D Soloviivka ONE DELTA	On track 356° to D10,3 BRP DME, turn LEFT on track 314° to intercept R333° BRP VOR, on R333° BRP VOR to D27,6 BRP DME, then turn LEFT on track 237° to SLV VOR/DME	Cross D10,3 BRP DME at 300 or above, D27,6 BRP DME at 1200 or above, D61,8 SLV DME at FL120 or above, SLV VOR/DME at FL120 or above	nil
SULUM 2D SULUM TWO DELTA	On track 356° to D23,3 BRP DME, turn RIGHT on track 199° to BRP VOR/DME, then turn LEFT on track 184° from BRP VOR/DME to SULUM	Cross D23,3 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, SULUM at 3050 or above	Not authorized for simultaneous departures
TABAV 1D TABAV ONE DELTA	On track 356° to D23,3 BRP DME, turn RIGHT on track 199° to BRP VOR/DME, then turn LEFT on track 166° from BRP VOR/DME to TABAV	Cross D23,3 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, TABAV at 2750 or above	Not authorized for simultaneous departures
TUVOG 1D TUVOG ONE DELTA	On track 356° to D23,3 BRP DME, turn LEFT on track 353° to BO NDB, then turn RIGHT on track 003° from BO NDB to TUVOG	Cross D23,3 BRP DME at 1200 or above, BO NDB at 1850 or above, TUVOG at FL130 or above	Not authorized for simultaneous departures
VESEL 2D VESEL TWO DELTA	On track 356° to D23,3 BRP DME, turn RIGHT on track 199° to BRP VOR/DME, then turn RIGHT on track 224° from BRP VOR/DME to VESEL	Cross D23,3 BRP DME at 1200 or above, BRP VOR/DME at 2450 or above, VESEL at 3050 or above	Not authorized for simultaneous departures. By ATC



**RNAV DEPARTURE PROCEDURE****RNAV 1 (GNSS, DME/DME) RWY 18L**

<b>Designator</b>	<i>Initial climb description (conventional)</i>					
<b>BO 2Z Bohdanivka TWO ZULU</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 176° to R176° D11,1 BRP VOR/DME, turn LEFT to R127° D14,5 BRP VOR/DME, then at BB120 as described below		Cross R176° D11,1 BRP VOR/DME at 1200 or above, R127° D14,5 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BB120	Y	-	-	+1200	-
TF	BO	N	340 (347,2)	-	+2450	-

<b>Designator</b>	<i>Initial climb description (conventional)</i>					
<b>GOTAP 1Z GOTAP ONE ZULU</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 176° to R176° D11,1 BRP VOR/DME, turn LEFT on track 072° to R138° D19,2 BRP VOR/DME, then at BBE01 as described below		Cross R176° D11,1 BRP VOR/DME at 1200 or above, R138° D19,2 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BBE01	Y	-	-	+1200	-
TF	BBE02	N	070 (077,1)	-	+2450	-
TF	GOTAP	N	070 (077,1)	-	+FL110	

<b>Designator</b>	<i>Initial climb description (conventional)</i>					
<b>KR 2Z Krabor TWO ZULU</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 176° to R176° D11,1 BRP VOR/DME, turn LEFT to R127° D14,5 BRP VOR/DME, then at BB120 as described below		Cross R176° D11,1 BRP VOR/DME at 1200 or above, R127° D14,5 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BB120	Y	-	-	+1200	-
TF	BBN02	N	330 (336,5)	-	+2450	-
TF	BBW01	N	264 (271,3)	L	+FL120	-
TF	KR	N	281(287,9)	R	+FL120	-

<b>Designator</b>	<i>Initial climb description (conventional)</i>					
<b>KUROS 2Z KUROS TWO ZULU</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 176° to R176° D11,1 BRP VOR/DME, turn LEFT on track 072° to R138° D19,2 BRP VOR/DME, then at BBE01 as described below		Cross R176° D11,1 BRP VOR/DME at 1200 or above, R138° D19,2 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BBE01	Y	-	-	+1200	-
TF	BBE03	N	031 (037,9)	-	+2750	-
TF	KUROS	N	031 (037,9)	-	+FL170	-

<b>Designator</b>	<i>Initial climb description (conventional)</i>					
<b>PI 2Z Pii TWO ZULU</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 176° to R176° D11,1 BRP VOR/DME, then at BB110 as described below		Cross R176° D11,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.		
	<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	BB110	Y	-	-	+1200	-
TF	NIPEX	N	164 (171,3)	-	-	-
TF	PI	N	102 (109,0)	L	+FL110	-

Designator	Initial climb description (conventional)						
	Route			Altitude	Remark		
SLV 1Z Soloviivka ONE ZULU	On track 176° to R176° D11,1 BRP VOR/DME, turn LEFT to R127° D14,5 BRP VOR/DME, then at BB120 as described below			Cross R176° D11,1 BRP VOR/DME at 1200 or above, R127° D14,5 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m		
<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		BB120	Y	-	-	+1200	-
TF		BBN02	N	330 (336,5)	-	+2450	-
TF		BBW01	N	264 (271,3)	L	+FL120	-
TF		SLV	N	238 (244,9)	L	+FL120	-

Designator	Initial climb description (conventional)						
	Route			Altitude	Remark		
SULUM 2Z SULUM TWO ZULU	On track 176° to R176° D11,1 BRP VOR/DME, then at BB110 as described below			Cross R176° D11,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.		
<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		BB110	Y	-	-	+1200	-
TF		SULUM	N	185 (191,8)	-	+3050	-

Designator	Initial climb description (conventional)						
	Route			Altitude	Remark		
TABAV 1Z TABAV ONE ZULU	On track 176° to R176° D11,1 BRP VOR/DME, then at BB110 as described below			Cross R176° D11,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.		
<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		BB110	Y	-	-	+1200	-
TF		NIPEX	N	164(171,3)	-	-	-
TF		TABAV	N	164 (171,3)	-	+2750	-

Designator	Initial climb description (conventional)						
	Route			Altitude	Remark		
TUVOG 1Z TUVOG ONE ZULU	On track 176° to R176° D11,1 BRP VOR/DME, turn LEFT to R127° D14,5 BRP VOR/DME, then at BB120 as described below			Cross R176° D11,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m		
<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		BB120	Y	-	-	+1200	-
TF		TUVOG	N	350 (356,7)	-	+FL130	-

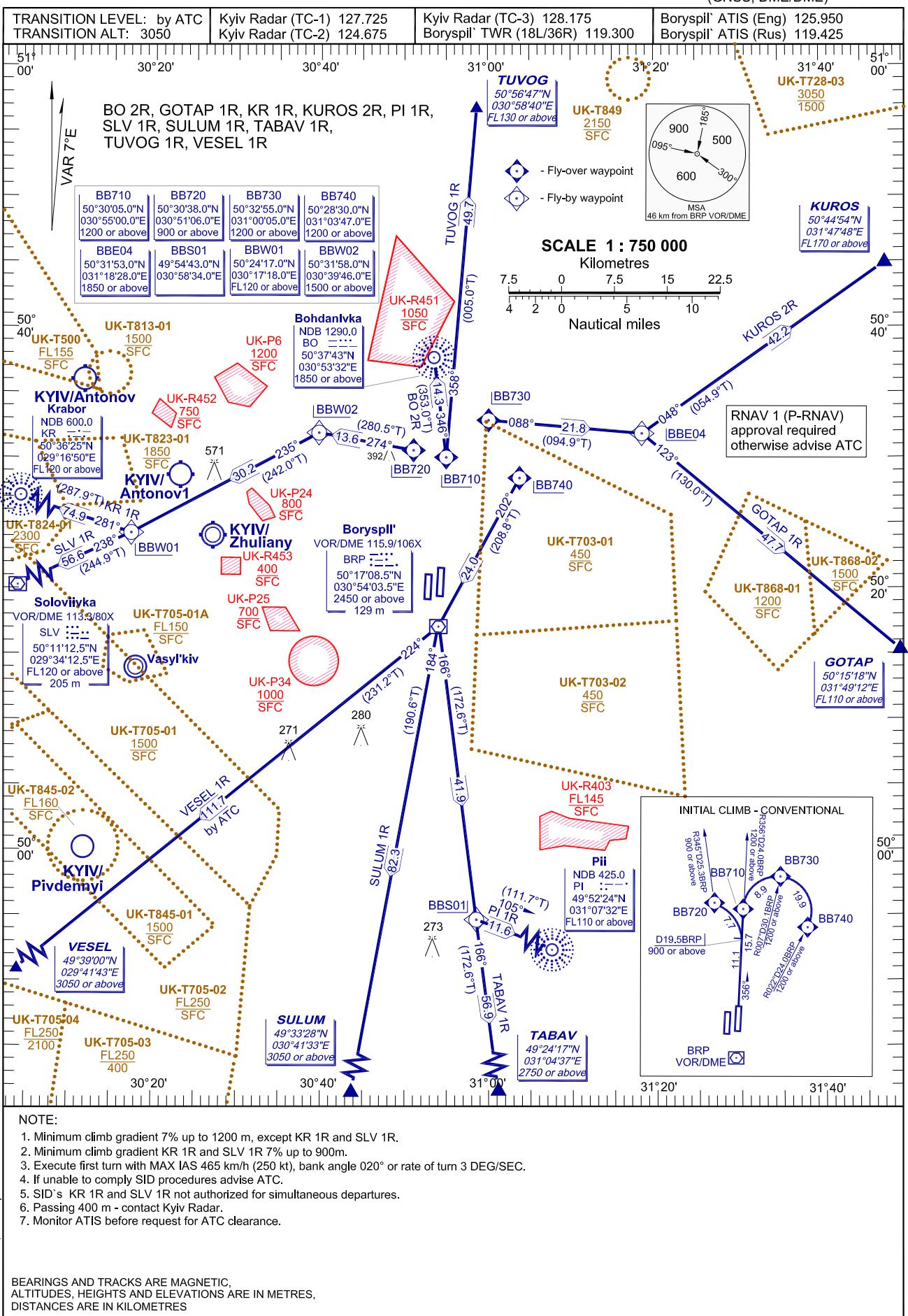
Designator	Initial climb description (conventional)						
	Route			Altitude	Remark		
VESEL 2Z VESEL TWO ZULU	On track 176° to R176° D11,1 BRP VOR/DME, then at BB110 as described below			Cross R176° D11,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures. By ATC		
<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		BB110	Y	-	-	+1200	-
TF		VESEL	N	229 (235,7)	-	+3050	-

## WAYPOINTS

Waypoint name	Coordinates		Waypoint name	Coordinates	
BB110	501111.0N	0305337.0E	SLV	501112.5N	0293412.5E
BB120	501143.0N	0310248.0E	KR	503625.0N	0291650.0E
BBE01	500839.0N	0310322.0E	GOTAP	501518.0N	0314912.0E
BBE02	501128.0N	0312239.0E	KUROS	504454.0N	0314748.0E
BBE03	502317.0N	0312113.0E	SULUM	493328.0N	0304133.0E
BBN02	502351.0N	0305433.0E	TABAV	492417.0N	0310437.0E
BBW01	502417.0N	0301718.0E	TUVOG	505647.0N	0305840.0E
NIPEX	495438.0N	0305732.0E	VESEL	493900.0N	0294143.0E
BO	503743.0N	0305332.0E			
PI	495224.0N	0310732.0E			

## RNAV DEPARTURE PROCEDURE

KYIV/Boryspil'  
RNAV(GNSS, DME/DME) RWY 36R



CHANGE: VAR; RNAV procedures.

1. Minimum climb gradient 7% up to 1200 m, except KR 1R and SLV 1R.
  2. Minimum climb gradient KR 1R and SLV 1R 7% up to 900m.
  3. Execute first turn with MAX IAS 465 km/h (250 kt), bank angle 020° or rate of turn 3 DEG/SEC.
  4. If unable to comply SID procedures advise ATC.
  5. SID's KR 1R and SLV 1R not authorized for simultaneous departures.
  6. Passing 400 m - contact Kyiv Radar.
  7. Monitor ATIS before request for ATC clearance.

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

**RNAV DEPARTURE PROCEDURE****RNAV 1 (GNSS, DME/DME) RWY 36R**

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>BO 2R Bohdanivka TWO ROMEO</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R356° D24,0 BRP VOR/DME, then at BB710 as described below		Cross R356° D24,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BB710	Y	-	-	+1200
TF	BO	N	346 (353,0)	-	+1850	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>GOTAP 1R GOTAP ONE ROMEO</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R356° D24,0 BRP VOR/DME, turn RIGHT to R007° D30,1 BRP VOR/DME, then at BB730 as described below		Cross R356° D24,0 BRP VOR/DME at 1200 or above, R007° D30,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BB730	Y	-	-	+1200
	TF	BBE04	N	088 (094,9)	-	+1850
TF	GOTAP	N	123 (130,0)	R	+FL110	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>KR 1R Krabor ONE ROMEO</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to D19,5 BRP DME, turn LEFT to R345° D25,3 BRP VOR/DME, then at BB720 as described below		Cross D19,5 BRP DME at 900 or above, R345° D25,3 BRP VOR/DME at 900 or above	Minimum climb gradient 7% up to 900 m. Not authorized for simultaneous departures.		
	<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	BB720	Y	-	-	+900
	TF	BBW02	N	274 (280,5)	-	+1500
	TF	BBW01	N	235 (242,0)	L	+FL120
TF	KR	N	281 (287,9)	R	+FL120	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>KUROS 2R KUROS TWO ROMEO</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R356° D24,0 BRP VOR/DME, turn RIGHT to R007° D30,1 BRP VOR/DME, then at BB730 as described below		Cross R356° D24,0 BRP VOR/DME at 1200 or above, R007° D30,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BB730	Y	-	-	+1200
	TF	BBE04	N	088 (094,9)	-	+1850
	TF	KUROS	N	048 (054,9)	L	+FL170

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>PI 1R Pii ONE ROMEO</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R356° D24,0 BRP VOR/DME, turn RIGHT to R022° D24,0 BRP VOR/DME, then at BB740 as described below		Cross R356° D24,0 BRP VOR/DME at 1200 or above, R022° D24,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BB740	Y	-	-	+1200
	TF	BRP	N	202 (208,5)	-	+2450
	TF	BBS01	N	166 (172,6)	L	-
TF	PI	N	105(111,7)	L	+FL110	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>SLV 1R Soloviivka ONE ROMEO</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to D19,5 BRP DME, turn LEFT to R345° D25,3 BRP VOR/DME, then at BB720 as described below		Cross D19,5 BRP DME at 900 or above, R345° D25,3 BRP VOR/DME at 900 or above	Minimum climb gradient 7% up to 900 m. Not authorized for simultaneous departures.		
	<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	BB720	Y	-	-	+900
	TF	BBW02	N	274 (280,5)	-	+1500
	TF	BBW01	N	235 (242,0)	L	+FL120
TF	SLV	N	238 (244,9)	R	+FL120	-

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
SULUM 1R SULUM ONE ROMEO	On track 356° to R356° D24,0 BRP VOR/DME, turn RIGHT to R022° D24,0 BRP VOR/DME, then at BB740 as described below			Cross R356° D24,0 BRP VOR/DME at 1200 or above, R022° D24,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB740	Y	-	-	+1200
	TF	BRP	N	202 (208,8)	-	+2450
	TF	SULUM	N	184 (190,6)	L	+3050

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
TABAV 1R TABAV ONE ROMEO	On track 356° to R356° D24,0 BRP VOR/DME, turn RIGHT to R022° D24,0 BRP VOR/DME, then at BB740 as described below			Cross R356° D24,0 BRP VOR/DME at 1200 or above, R022° D24,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB740	Y	-	-	+1200
	TF	BRP	N	202 (208,8)	-	+2450
	TF	BBS01	N	166 (172,6)	L	-
	TF	TABAV	N	166 (172,6)	-	+2750

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
TUVOG 1R TUVOG ONE ROMEO	On track 356° to R356° D24,0 BRP VOR/DME, then at BB710 as described below			Cross R356° D24,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB710	Y	-	-	+1200
	TF	TUVOG	N	358 (005,0)	-	+FL130

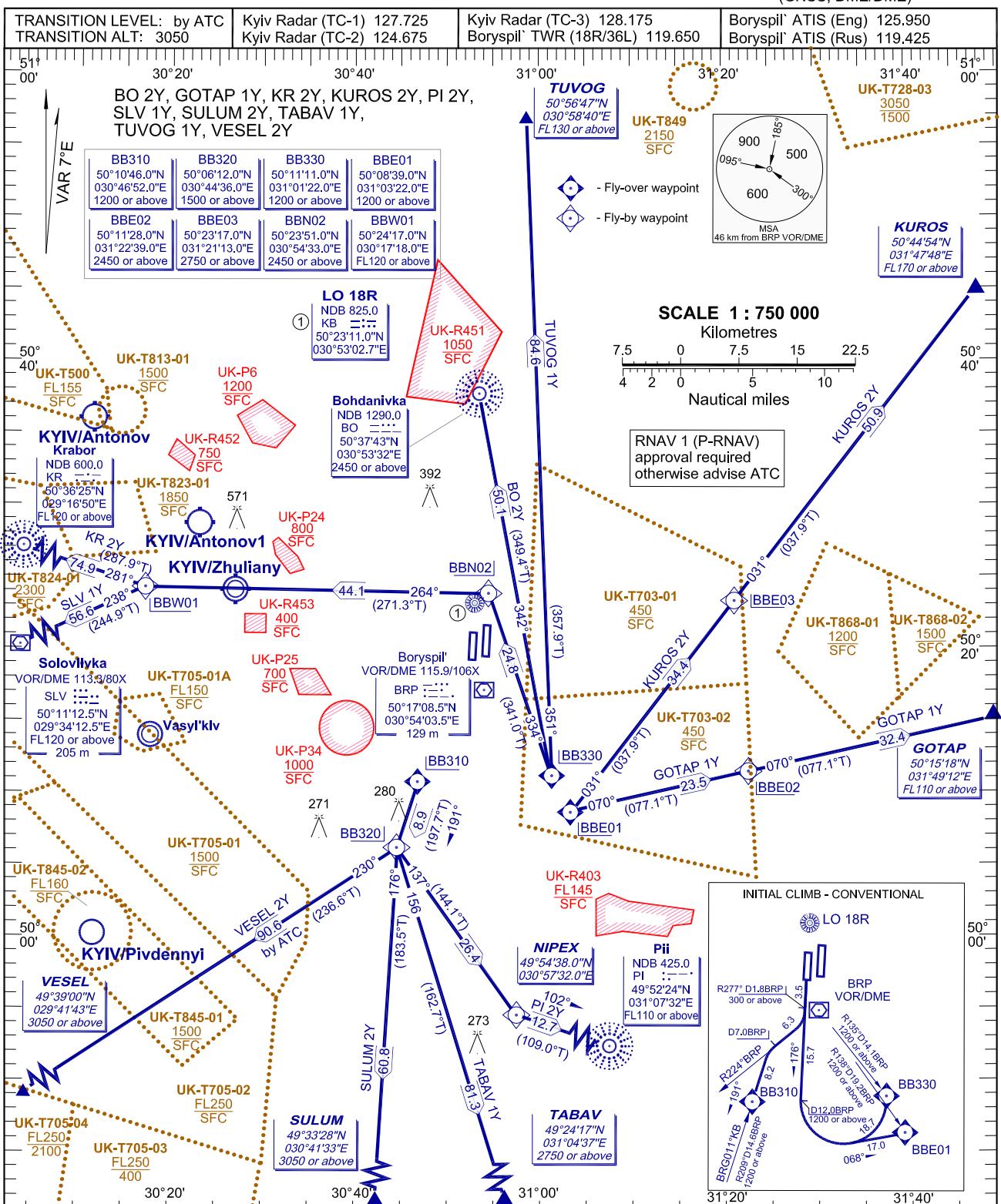
Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
VESEL 1R VESEL ONE ROMEO	On track 356° to R356° D24,0 BRP VOR/DME, turn RIGHT to R022° D24,0 BRP VOR/DME, then at BB740 as described below			Cross R356° D24,0 BRP VOR/DME at 1200 or above, R022° D24,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. By ATC	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB740	Y	-	-	+1200
	TF	BRP	N	202 (208,8)	-	+2450
	TF	VESEL	N	224 (231,2)	R	+3050

**WAYPOINTS**

Waypoint name	Coordinates		Waypoint name	Coordinates	
BB710	503005.0N	0305500.0E	PI	495224.0N	0310732.0E
BB720	503038.0N	0305106.0E	SLV	501112.5N	0293412.5E
BB730	503255.0N	0310005.0E	KR	503625.0N	0291650.0E
BB740	502830.0N	0310347.0E	GOTAP	501518.0N	0314912.0E
BBE04	503153.0N	0311828.0E	KUROS	504454.0N	0314748.0E
BBS01	495443.0N	0305834.0E	SULUM	493328.0N	0304133.0E
BBW01	502417.0N	0301718.0E	TABAV	492417.0N	0310437.0E
BBW02	503158.0N	0303946.0E	TUVOG	505647.0N	0305840.0E
BO	503743.0N	0305332.0E	VESEL	493900.0N	0294143.0E
BRP	501708.5N	0305403.5E			

## RNAV DEPARTURE PROCEDURE

KYIV/Boryspill  
RNAV(GNSS, DME/DME) RWY 18R



### NOTE:

- NOTE:**

  1. Minimum climb gradient 7% up to 1200 m.
  2. Execute first turn with MAX IAS 465 km/h (250 kt), bank angle 020° or rate of turn 3 DEG/SEC.
  3. If unable to comply SID procedures advise ATC.
  4. SID's BO 2Y, GOTAP 1Y, KR 2Y, KUROS 2Y, SLV 1Y, TUVOG 1Y not authorized for simultaneous departures.
  5. Passing 400 m - contact Kyiv Radar.
  6. Monitor ATIS before request for ATC clearance.

- 1 -

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

**RNAV DEPARTURE PROCEDURE****RNAV 1 (GNSS, DME/DME) RWY 18R**

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
BO 2Y Bohdanivka TWO YANKEE	On track 176° to D12,0 BRP DME, turn LEFT to R135° D14,1 BRP VOR/DME, then at BB330 as described below			Cross D12,0 BRP DME at 1200 or above, R135° D14,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB330	Y	-	-	+1200
	TF	BO	N	342 (349,4)	-	+2450
						-

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
GOTAP 1Y GOTAP ONE YANKEE	On track 176° to D12,0 BRP DME, turn LEFT on track 068° to R138° D19,2 BRP VOR/DME, then at BBE01 as described below			Cross D12,0 BRP DME at 1200 or above, R138° D19,2 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BBE01	Y	-	-	+1200
	TF	BBE02	N	070 (077,1)	-	+2450
	TF	GOTAP	N	070 (077,1)	-	+FL110
						-

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
KR 2Y Krabor TWO YANKEE	On track 176° to D12,0 BRP DME, turn LEFT to R135° D14,1 BRP VOR/DME, then at BB330 as described below			Cross D12,0 BRP DME at 1200 or above, R135° D14,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB330	Y	-	-	+1200
	TF	BBN02	N	334 (341,0)	-	+2450
	TF	BBW01	N	264 (271,3)	L	+FL120
	TF	KR	N	281 (287,9)	R	+FL120

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
KUROS 2Y KUROS TWO YANKEE	On track 176° to D12,0 BRP DME, turn LEFT on track 068° to R138° D19,2 BRP VOR/DME, then at BBE01 as described below			Cross D12,0 BRP DME at 1200 or above, R138° D19,2 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BBE01	Y	-	-	+1200
	TF	BBE03	N	031 (037,9)	-	+2750
	TF	KUROS	N	031 (037,9)	-	+FL170
						-

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
PI 2Y Pii TWO YANKEE	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to R209° D14,6 BRP VOR/DME, then at BB310 as described below			Cross R277° D1,8 BRP VOR/DME at 300 or above, R209° D14,6 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB310	Y	-	-	+1200
	TF	BB320	N	191 (197,7)	-	+1500
	TF	NIPEX	N	137 (144,1)	L	-
	TF	PI	N	102 (109,0)	L	+FL110

Designator	Initial climb description (conventional)					
	Route		Altitude		Remark	
SLV 1Y Soloviivka ONE YANKEE	On track 176° to D12,0 BRP DME, turn LEFT to R135° D14,1 BRP VOR/DME, then at BB330 as described below			Cross D12,0 BRP DME at 1200 or above, R135° D14,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB330	Y	-	-	+1200
	TF	BBN02	N	334 (341,0)	-	+2450
	TF	BBW01	N	264 (271,3)	L	+FL120
	TF	SLV	N	238 (244,9)	L	+FL120

Designator	Initial climb description (conventional)						
	Route		Altitude	Remark			
SULUM 2Y SULUM TWO YANKEE	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to R209° D14,6 BRP VOR/DME, then at BB310 as described below			Cross R277° D1,8 BRP VOR/DME at 300 or above, R209° D14,6 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m		
	Path description	Fix identifier (Way-point name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
	IF	BB310	Y	-	-	+1200	-
	TF	BB320	N	191 (197,7)	-	+1500	-
	TF	SULUM	N	176 (183,5)	L	+3050	-

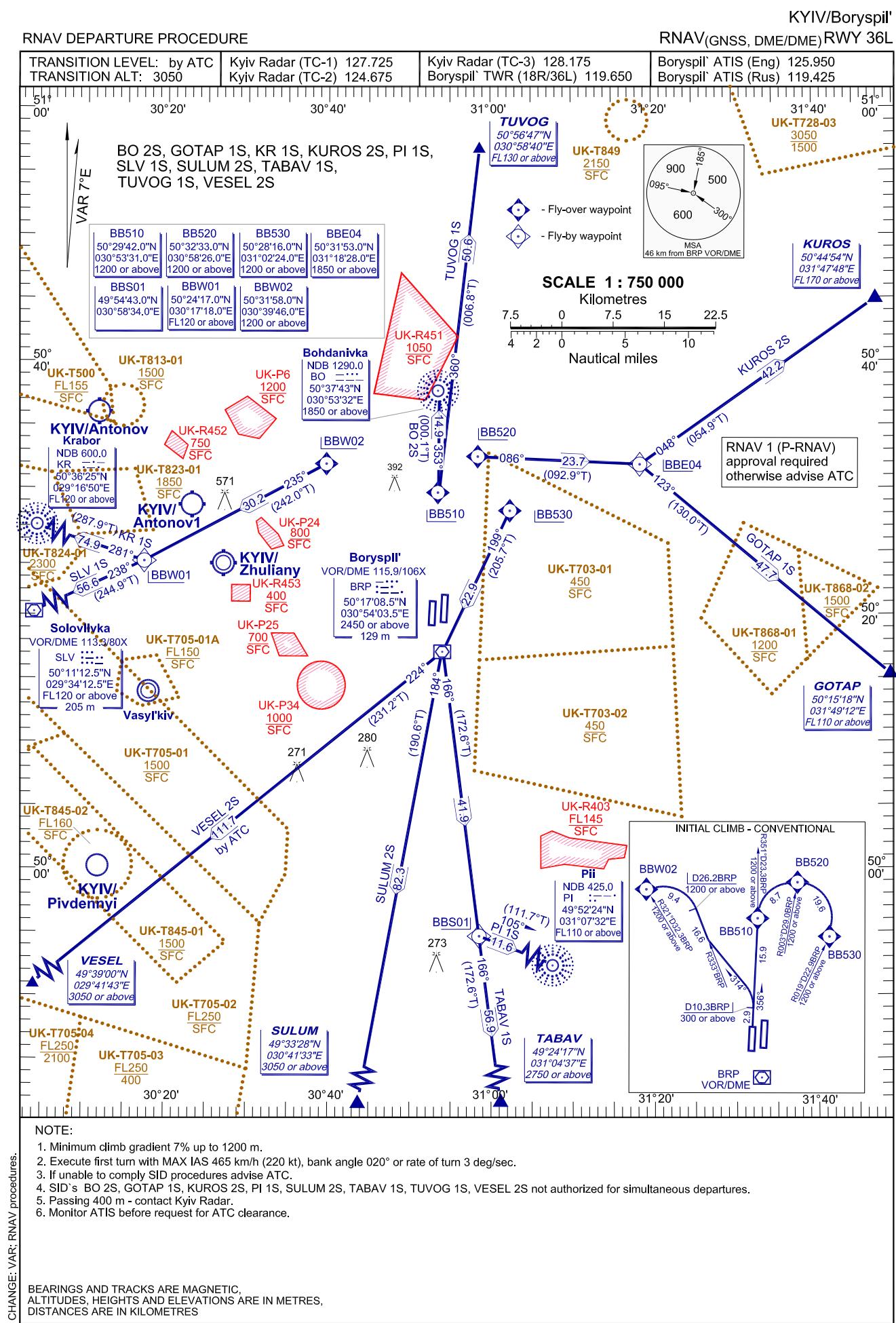
Designator	Initial climb description (conventional)						
	Route		Altitude	Remark			
TABAV 1Y TABAV ONE YANKEE	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to R209° D14,6 BRP VOR/DME, then at BB310 as described below			Cross R277° D1,8 BRP VOR/DME at 300 or above, R209° D14,6 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m		
	Path description	Fix identifier (Way-point name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
	IF	BB310	Y	-	-	+1200	-
	TF	BB320	N	191 (197,7)	-	+1500	-
	TF	TABAV	N	156 (162,7)	L	+2750	-

Designator	Initial climb description (conventional)						
	Route		Altitude	Remark			
TUVOG 1Y TUVOG ONE YANKEE	On track 176° to D12,0 BRP DME, turn LEFT to R135° D14,1 BRP VOR/DME, then at BB330 as described below			Cross D12,0 BRP DME at 1200 or above, R135° D14,1 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.		
	Path description	Fix identifier (Way-point name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
	IF	BB330	Y	-	-	+1200	-
	TF	TUVOG	N	351 (357,9)	-	+FL130	-

Designator	Initial climb description (conventional)						
	Route		Altitude	Remark			
VESEL 2Y VESEL TWO YANKEE	On track 176° to R277° D1,8 BRP VOR/DME, turn RIGHT on R224° BRP VOR to D7,0 BRP DME, turn LEFT on track 191° (BRG011° KB NDB) to R209° D14,6 BRP VOR/DME, then at BB310 as described below			Cross R277° D1,8 BRP VOR/DME at 300 or above, R209° D14,6 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. By ATC		
	Path description	Fix identifier (Way-point name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
	IF	BB310	Y	-	-	+1200	-
	TF	BB320	N	191 (197,7)	-	+1500	-
	TF	VESEL	N	230 (236,6)	R	+3050	-

**WAYPOINTS**

Waypoint name	Coordinates		Waypoint name	Coordinates	
BB310	501046.0N	0304652.0E	PI	495224.0N	0310732.0E
BB320	500612.0N	0304436.0E	SLV	501112.5N	0293412.5E
BB330	501111.0N	0310122.0E	KR	503625.0N	0291650.0E
BBE01	500839.0N	0310322.0E	GOTAP	501518.0N	0314912.0E
BBE02	501128.0N	0312239.0E	KUROS	504454.0N	0314748.0E
BBE03	502317.0N	0312113.0E	SULUM	493328.0N	0304133.0E
BBN02	502351.0N	0305433.0E	TABAV	492417.0N	0310437.0E
BBW01	502417.0N	0301718.0E	TUVOG	505647.0N	0305840.0E
NIPEX	495438.0N	0305732.0E	VESEL	493900.0N	0294143.0E
BO	503743.0N	0305332.0E			



**RNAV DEPARTURE PROCEDURE****RNAV 1 (GNSS, DME/DME) RWY 36L**

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>BO 2S Bohdanivka TWO SIERRA</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R351° D23,3 BRP VOR/DME, then at BB510 as described below		Cross R351° D23,3 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.		
	<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	BB510	Y	-	-	+1200
TF	BO	N	353 (000,1)	-	+1850	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>GOTAP 1S GOTAP ONE SIERRA</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R351° D23,3 BRP VOR/DME, turn RIGHT to R003° D29,0 BRP VOR/DME, then at BB520 as described below		Cross R351° D23,3 BRP VOR/DME at 1200 or above, R003° D29,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.		
	<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	BB520	Y	-	-	+1200
	TF	BBE04	N	086 (092,9)	-	+1850
TF	GOTAP	N	123 (130,0)	R	FL110	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>KR 1S Krabor ONE SIERRA</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to D10,3 BRP DME, turn LEFT on track 314° to intercept R333° BRP VOR, on R333° BRP VOR to D26,2 BRP DME, turn LEFT to R321° D32,3 BRP VOR/DME, then at BBW02 as described below		Cross D10,3 BRP DME at 300 or above, D26,2 BRP DME at 1200 or above, R321° D32,3 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BBW02	Y	-	-	+1200
	TF	BBW01	N	235 (242,0)	-	+FL120
TF	KR	N	281 (287,9)	R	+FL120	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>KUROS 2S KUROS TWO SIERRA</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R351° D23,3 BRP VOR/DME, turn RIGHT to R003° D29,0 BRP VOR/DME, then at BB520 as described below		Cross R351° D23,3 BRP VOR/DME at 1200 or above, R003° D29,0 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures		
	<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	BB520	Y	-	-	+1200
	TF	BBE04	N	086 (092,9)	-	+1850
TF	KUROS	N	048 (054,9)	L	+FL170	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>PI 1S Pii ONE SIERRA</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to R351° D23,3 BRP VOR/DME, turn RIGHT to R019° D22,9 BRP VOR/DME, then at BB530 as described below		Cross R351° D23,3 BRP VOR/DME at 1200 or above, R019° D22,9 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures		
	<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	BB530	Y	-	-	+1200
	TF	BRP	N	199 (205,7)	-	+2450
TF	BBS01	N	166 (172,6)	L	-	-
TF	PI	N	105(111,7)	L	+FL110	-

<b>Designator</b>	<b>Initial climb description (conventional)</b>					
<b>SLV 1S Soloviivka ONE SIERRA</b>	<b>Route</b>		<b>Altitude</b>	<b>Remark</b>		
	On track 356° to D10,3 BRP DME, turn LEFT on track 314° to intercept R333° BRP VOR, on R333° BRP VOR to D26,2 BRP DME, turn LEFT to R321° D32,3 BRP VOR/DME, then at BBW02 as described below		Cross D10,3 BRP DME at 300 or above, D26,2 BRP DME at 1200 or above, R321° D32,3 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 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	BBW02	Y	-	-	+1200
	TF	BBW01	N	235 (242,0)	-	+FL120
TF	SLV	N	238 (244,9)	R	+FL120	-

Designator	Initial climb description (conventional)					
	Route		Altitude	Remark		
SULUM 2S SULUM TWO SIERRA	On track 356° to R351° D23,3 BRP VOR/DME, turn RIGHT to R019° D22,9 BRP VOR/DME, then at BB530 as described below			Cross R351° D23,3 BRP VOR/DME at 1200 or above, R019° D22,9 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB530	Y	-	-	+1200
	TF	BRP	N	199 (205,7)	-	+2450
	TF	SULUM	N	184 (190,6)	L	+3050
						-

Designator	Initial climb description (conventional)					
	Route		Altitude	Remark		
TABAV 1S TABAV ONE SIERRA	On track 356° to R351° D23,3 BRP VOR/DME, turn RIGHT to R019° D22,9 BRP VOR/DME, then at BB530 as described below			Cross R351° D23,3 BRP VOR/DME at 1200 or above, R019° D22,9 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB530	Y	-	-	+1200
	TF	BRP	N	199 (205,7)	-	+2450
	TF	BBS01	N	166 (172,6)	L	-
	TF	TABAV	N	166 (172,6)	-	+2750

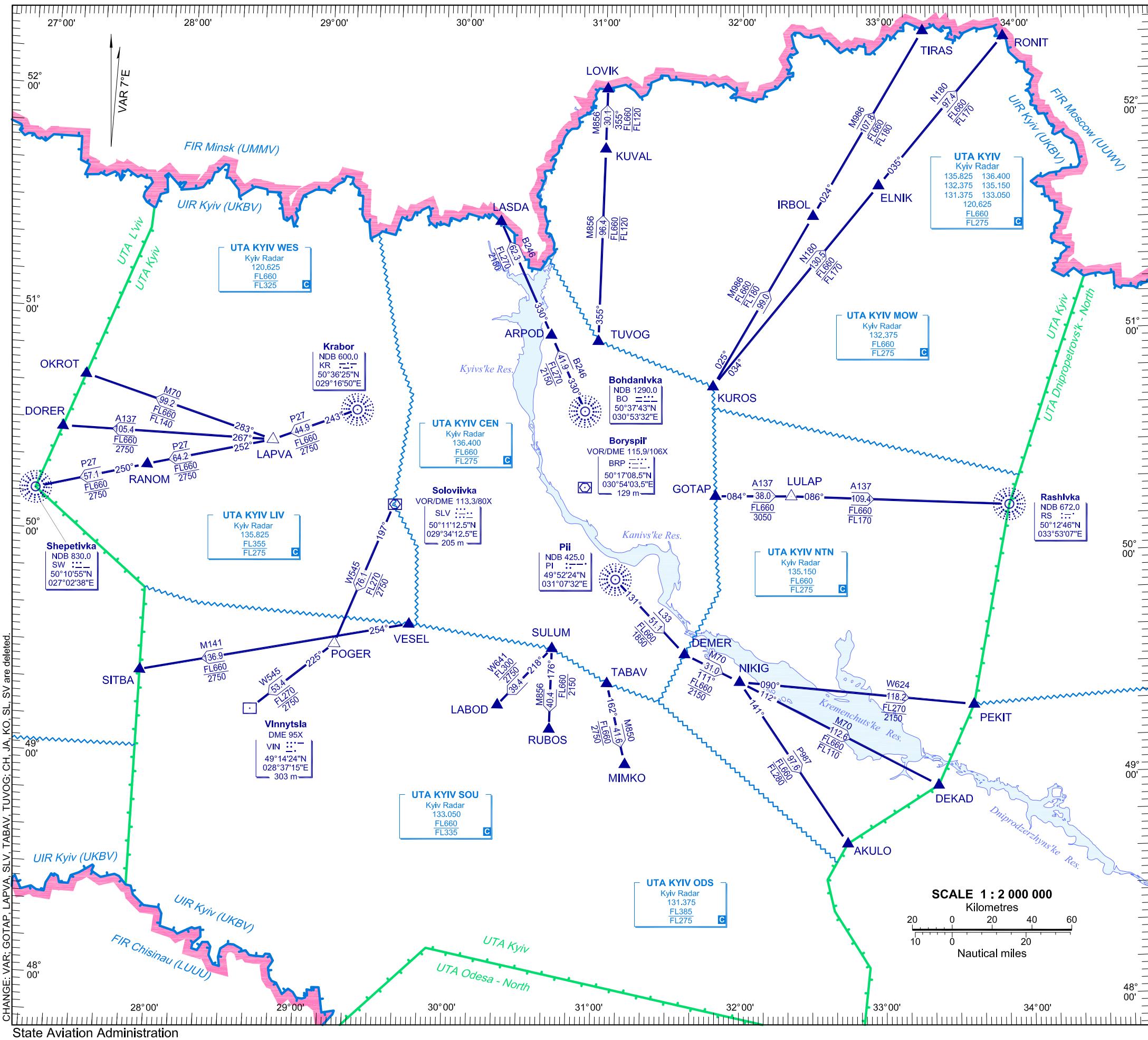
Designator	Initial climb description (conventional)					
	Route		Altitude	Remark		
TUVOG 1S TUVOG ONE SIERRA	On track 356° to R351° D23,3 BRP VOR/DME, then at BB510 as described below			Cross R351° D23,3 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures.	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB510	Y	-	-	+1200
	TF	TUVOG	N	360 (006,8)	-	+FL130
						-

Designator	Initial climb description (conventional)					
	Route		Altitude	Remark		
VESEL 2S VESEL TWO SIERRA	On track 356° to R351° D23,3 BRP VOR/DME, turn RIGHT to R019° D22,9 BRP VOR/DME, then at BB530 as described below			Cross R351° D23,3 BRP VOR/DME at 1200 or above, R019° D22,9 BRP VOR/DME at 1200 or above	Minimum climb gradient 7% up to 1200 m. Not authorized for simultaneous departures. By ATC	
	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude
	IF	BB530	Y	-	-	+1200
	TF	BRP	N	199 (205,7)	-	+2450
	TF	VESEL	N	224 (231,2)	R	+3050
						-

**WAYPOINTS**

Waypoint name	Coordinates		Waypoint name	Coordinates	
BB510	502942.0N	0305331.0E	SLV	501112.5N	0293412.5E
BB520	503233.0N	0305826.0E	KR	503625.0N	0291650.0E
BB530	502816.0N	0310224.0E	GOTAP	501518.0N	0314912.0E
BBE04	503153.0N	0311828.0E	KUROS	504454.0N	0314748.0E
BBS01	495443.0N	0305834.0E	SULUM	493328.0N	0304133.0E
BBW01	502417.0N	0301718.0E	TABAV	492417.0N	0310437.0E
BBW02	503158.0N	0303946.0E	TUVOG	505647.0N	0305840.0E
BO	503743.0N	0305332.0E	VESEL	493900.0N	0294143.0E
BRP	501708.5N	0305403.5E			
PI	495224.0N	0310732.0E			

## TRANSITION ROUTES DEPARTURE

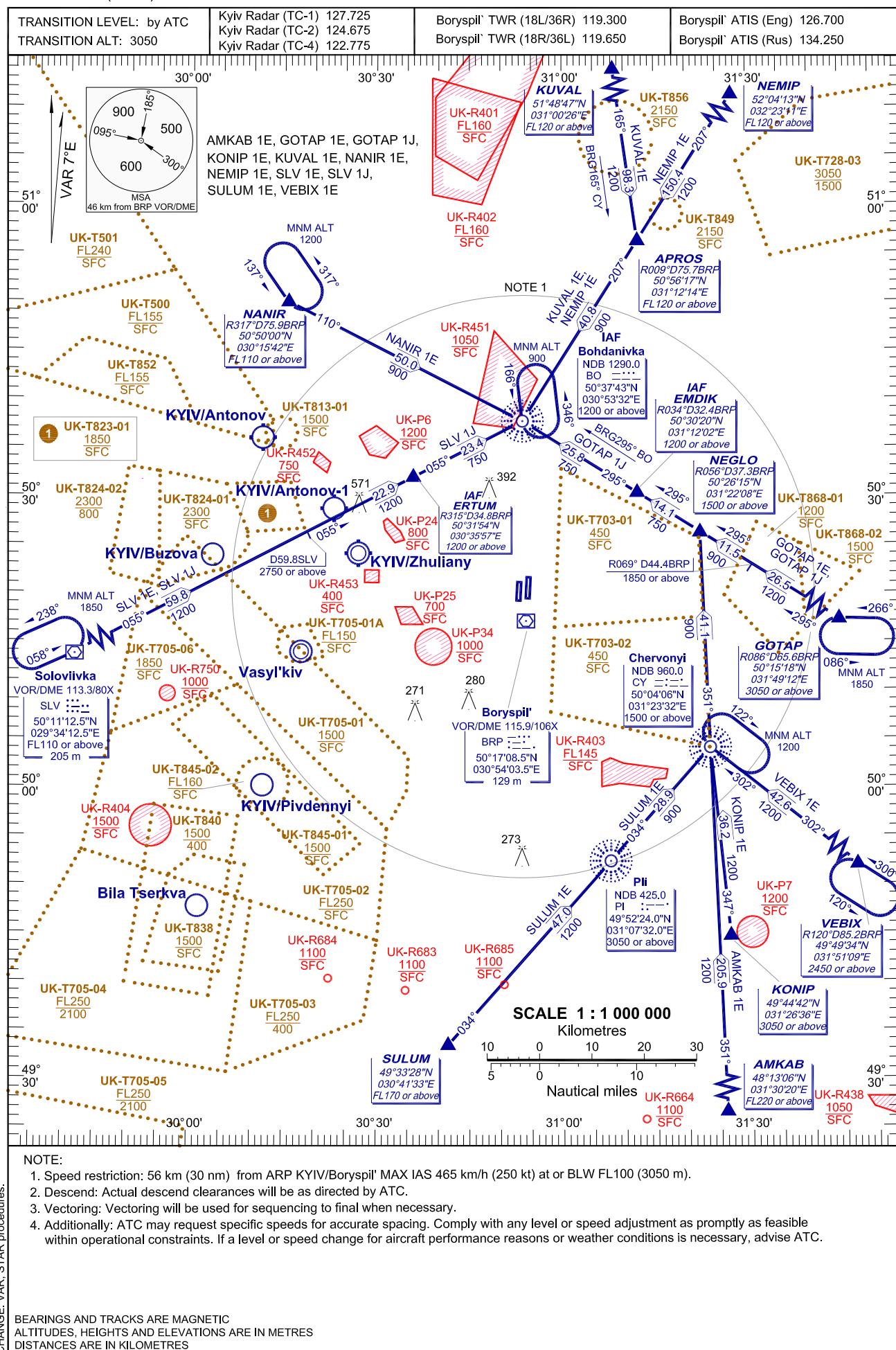


KYIV/Boryspil'

Departing traffic to KYIV/Boryspil'/Вылет из КИЕВ/Борисполь		
UKBB SID Final Waypoint/Waypoint	UKBB FRA Departure Transition Point	Flight Plan
TUVOG	LOVIK	TUVOG M856 LOVIK
BO	LASDA	BO B246 LASDA
KUROS	TIRAS	KUROS M986 TIRAS
	RONIT	KUROS N180 RONIT
GOTAP	RS	GOTAP A137 RS
PI	PEKIT	PI L33 DEMER M70 NIKIG W624 PEKIT
	DEKAD	PI L33 DEMER M70 DEKAD
AKULO	AKULO	PI L33 DEMER M70 NIKIG P987 AKULO
	MIMKO	TABAV M850 MIMKO DCT
SULUM	RUBOS	SULUM M856 RUBOS DCT
	LABOD	SULUM W641 LABOD DCT
VESEL	SITBA	VESEL M141 SITBA
SLV	POGER	SLV W545 Poger W545 VIN DCT
KR	SW	KR P27 SW
	DORER	KR P27 LAPVA A137 DORER
	OKROT	KR P27 LAPVA M70 OKROT

STANDARD ARRIVAL CHART  
INSTRUMENT (STAR)-ICAO

KYIV/Boryspil'  
RWY 18L/18R

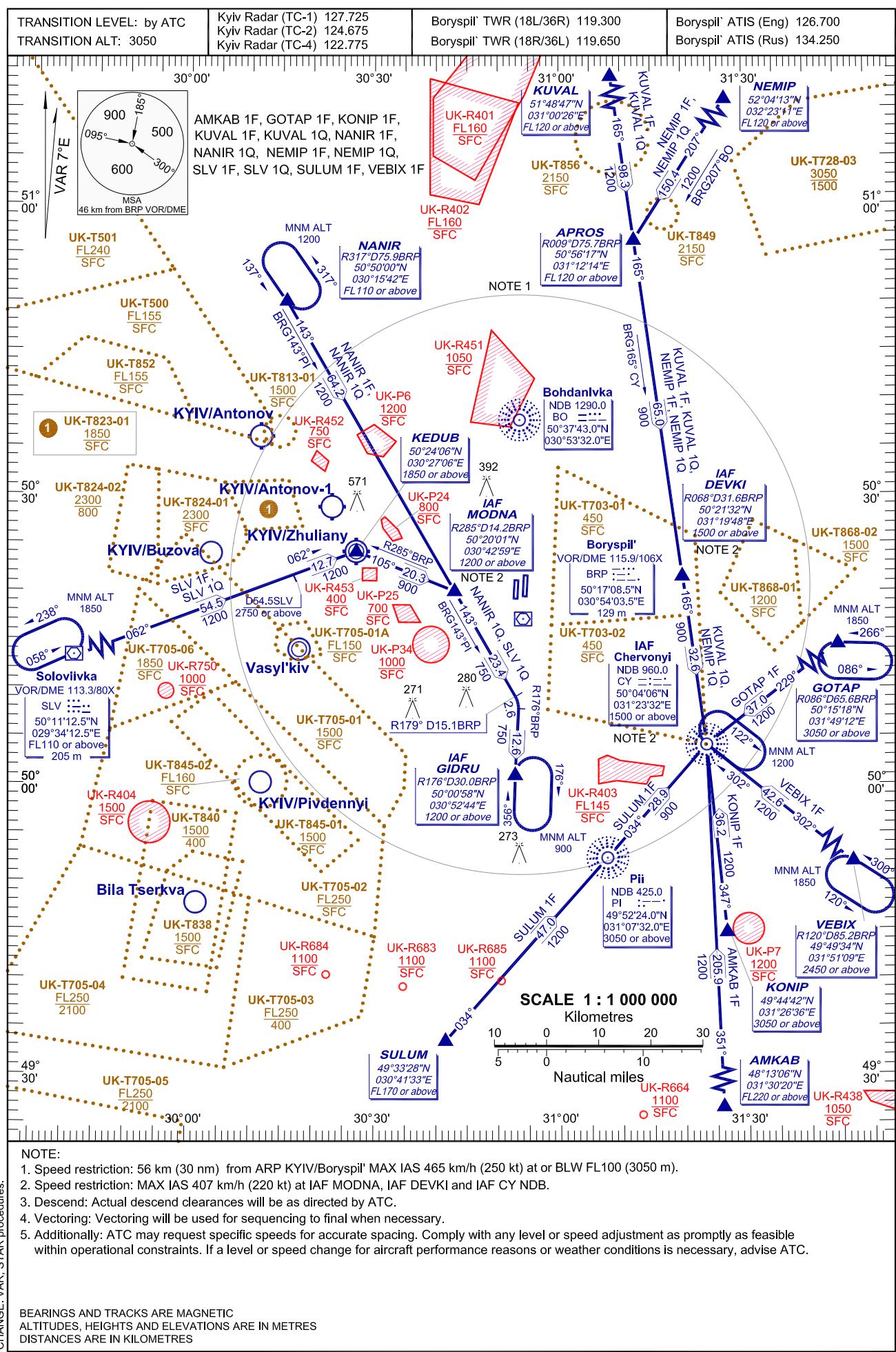


STAR RWY18L/R

Designator	Route	Altitude	Remarks
AMKAB 1E AMKAB ONE ECHO	On track 351° via CY NDB to NELGO, turn LEFT on track 295° (BRG295° BO NDB) to IAF EMDIK, then according to approach chart	Cross AMKAB at FL220 or above, CY NDB at 1500 or above, NELGO at 1500 or above, IAF EMDIK at 1200 or above	nil
GOTAP 1E GOTAP ONE ECHO	On track 295° (BRG295° BO NDB) via NELGO to IAF EMDIK, then according to approach chart	Cross GOTAP at 3050 or above, R069° D44,4 BRP VOR/DME at 1850 or above, NELGO at 1500 or above, IAF EMDIK at 1200 or above	nil
GOTAP 1J GOTAP ONE JULIETT	On track 295° via NELGO and EMDIK to IAF BO NDB, then according to approach chart	Cross GOTAP at 3050 or above, R069° D44,4 BRP VOR/DME at 1850 or above, NELGO at 1500 or above, EMDIK at 1200 or above, IAF BO NDB at 1200 or above	nil
KONIP 1E KONIP ONE ECHO	On track 347° to CY NDB, turn RIGHT on track 351° from CY NDB to NELGO, turn LEFT on track 295° (BRG295° BO NDB) to IAF EMDIK, then according to approach chart	Cross KONIP at 3050 or above, CY NDB at 1500 or above, NELGO at 1500 or above, IAF EMDIK at 1200 or above	nil
KUVAL 1E KUVAL ONE ECHO	On track 165° (BRG165° CY NDB) to APROS, turn RIGHT on track 207° to IAF BO NDB, then according to approach chart	Cross KUVAL at FL120 or above, APROS at FL120 or above, IAF BO NDB at 1200 or above	nil
NANIR 1E NANIR ONE ECHO	On track 110° to IAF BO NDB, then according to approach chart	Cross NANIR at FL110 or above, IAF BO NDB at 1200 or above	nil
NEMIP 1E NEMIP ONE ECHO	On track 207° via APROS to IAF BO NDB, then according to approach chart	Cross NEMIP at FL120 or above, APROS at FL120 or above, IAF BO NDB at 1200 or above	nil
SLV 1E Soloviivka ONE ECHO	On track 055° from SLV VOR/DME to IAF ERTUM, then according to approach chart	Cross SLV VOR/DME at FL110 or above, D59,8 SLV DME at 2750 or above, IAF ERTUM at 1200 or above	nil
SLV 1J Soloviivka ONE JULIETT	On track 055° from SLV VOR/DME via ERTUM to IAF BO NDB, then according to approach chart	Cross SLV VOR/DME at FL110 or above, D59,8 SLV DME at 2750 or above, ERTUM at 1200 or above, IAF BO NDB at 1200 or above	nil
SULUM 1E SULUM ONE ECHO	On track 034° via PI NDB to CY NDB, turn LEFT on track 351° from CY NDB to NELGO, turn LEFT on track 295° (BRG295° BO NDB) to IAF EMDIK, then according to approach chart	Cross SULUM at FL170 or above, PI NDB at 3050 or above, CY NDB at 1500 or above, NELGO at 1500 or above, IAF EMDIK at 1200 or above	nil
VEBIX 1E VEBIX ONE ECHO	On track 302° to CY NDB, turn RIGHT on track 351° from CY NDB to NELGO, turn LEFT on track 295° (BRG295° BO NDB) to IAF EMDIK, then according to approach chart	Cross VEBIX at 2450 or above, CY NDB at 1500 or above, NELGO at 1500 or above, IAF EMDIK at 1200 or above	nil

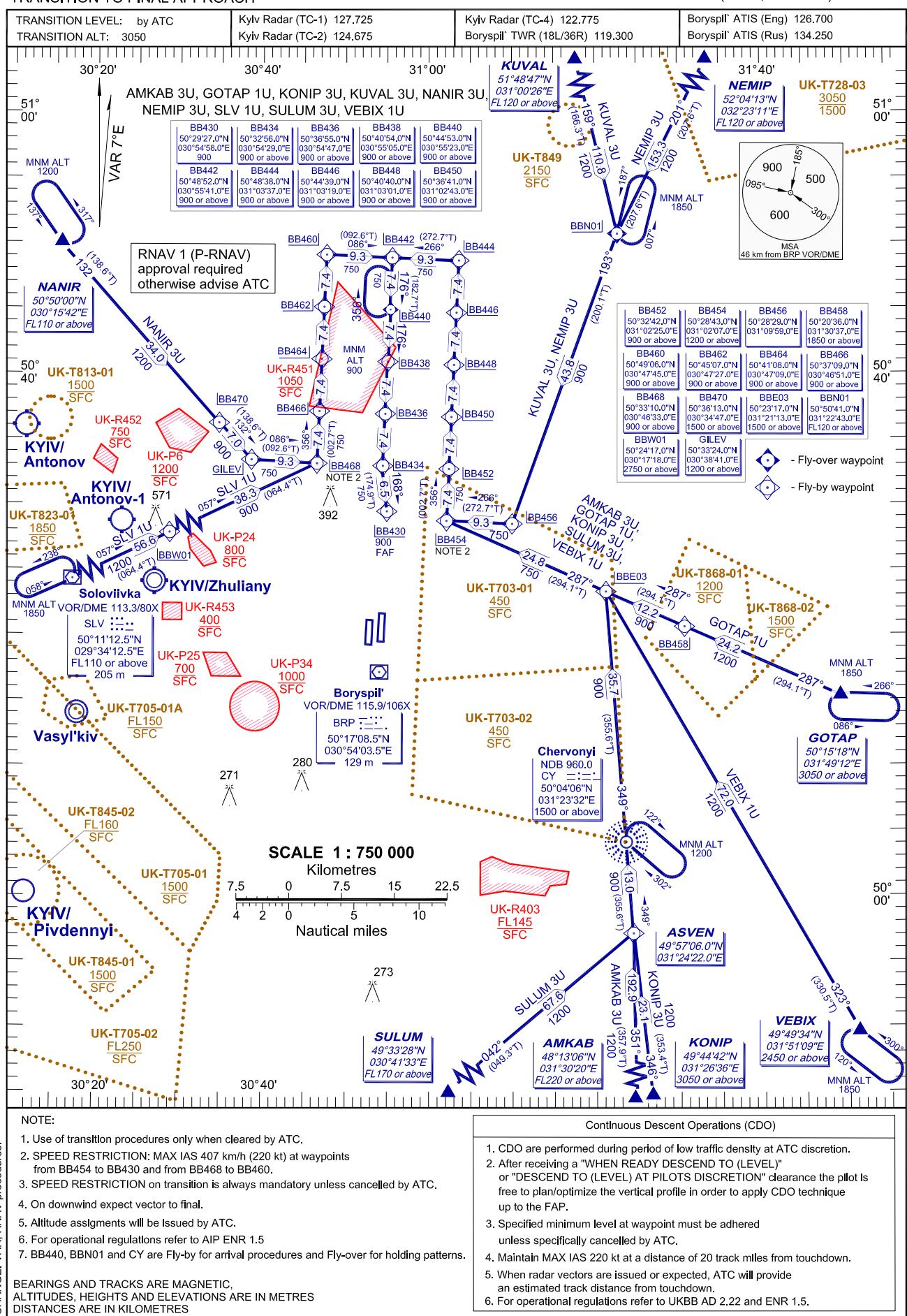
STANDARD ARRIVAL CHART  
INSTRUMENT (STAR)-ICAO

KYIV/Boryspil'  
RWY 36L/36R



STAR RWY36L/R

Designator	Route	Altitude	Remarks
AMKAB 1F AMKAB ONE FOXTROT	On track 351° to IAF CY NDB, then according to approach chart	Cross AMKAB at FL220 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB
GOTAP 1F GOTAP ONE FOXTROT	On track 229° to IAF CY NDB, then according to approach chart	Cross GOTAP at 3050 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB
KONIP 1F KONIP ONE FOXTROT	On track 347° to IAF CY NDB, then according to approach chart	Cross KONIP at 3050 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB
KUVAL 1F KUVAL ONE FOXTROT	On track 165° (BRG165° CY NDB) via APROS to IAF DEVKI, then according to approach chart	Cross KUVAL at FL120 or above, APROS at FL120 or above, IAF DEVKI at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF DEVKI
KUVAL 1Q KUVAL ONE QUEBEC	On track 165° via APROS and DEVKI to IAF CY NDB, then according to approach chart	Cross KUVAL at FL120 or above, APROS at FL120 or above, DEVKI at 1500 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB
NANIR 1F NANIR ONE FOXTROT	On track 143° (BRG143° PI NDB) to IAF MODNA, then according to approach chart	Cross NANIR at FL110 or above, IAF MODNA at 1200 or above	MAX IAS 407 km/h (220 kt) at IAF MODNA
NANIR 1Q NANIR ONE QUEBEC	On track 143° (BRG143° PI NDB) via MODNA to R179° D15,1 BRP VOR/DME, turn RIGHT on R176° BRP VOR, to IAF GIDRU, then according to approach chart	Cross NANIR at FL110 or above, MODNA at 1200 or above, IAF GIDRU at 1200 or above	nil
NEMIP 1F NEMIP ONE FOXTROT	On track 207° (BRG207° BO NDB) to APROS, turn LEFT on track 165° (BRG165° CY NDB) to IAF DEVKI, then according to approach chart	Cross NEMIP at FL120 or above, APROS at FL120 or above, IAF DEVKI at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF DEVKI
NEMIP 1Q NEMIP ONE QUEBEC	On track 207° (BRG207° BO NDB) to APROS, turn LEFT on track 165° via DEVKI to IAF CY NDB, then according to approach chart	Cross NEMIP at FL120 or above, APROS at FL120 or above, DEVKI at 1500 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB
SLV 1F Soloviivka ONE FOXTROT	On track 062° from SLV VOR/DME to KEDUB, turn RIGHT on track 105° (R285° BRP VOR) to IAF MODNA, then according to approach chart	Cross SLV VOR/DME at FL110 or above, D54,5 SLV DME at 2750 or above, IAF MODNA at 1200 or above	MAX IAS 407 km/h (220 kt) at IAF MODNA
SLV 1Q Soloviivka ONE QUEBEC	On track 062° from SLV VOR/DME to KEDUB, turn RIGHT on track 105° (R285° BRP VOR) to MODNA, turn RIGHT on track 143° (BRG143° PI NDB) to R179° D15,1 BRP VOR/DME, turn RIGHT on R176° BRP VOR, to IAF GIDRU, then according to approach chart	Cross SLV VOR/DME at FL110 or above, D54,5 SLV DME at 2750 or above, MODNA at 1200 or above, IAF GIDRU at 1200 or above	nil
SULUM 1F SULUM ONE FOXTROT	On track 034° via PI NDB to IAF CY NDB, then according to approach chart	Cross SULUM at FL170 or above, PI NDB at 3050 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB
VEBIX 1F VEBIX ONE FOXTROT	On track 302° to IAF CY NDB, then according to approach chart	Cross VEBIX at 2450 or above, IAF CY NDB at 1500 or above	MAX IAS 407 km/h (220 kt) at IAF CY NDB

**RNAV ARRIVAL PROCEDURE  
TRANSITION TO FINAL APPROACH**
**KYIV/Boryspil'  
RNAV(GNSS, DME/DME) RWY 18L**


CHANGE: VAR; RNAV procedures.

## RNAV ARRIVAL PROCEDURE

## RNAV 1 (GNSS) RWY18L

Name	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
AMKAB 3U <b>AMKAB THREE UNIFORM</b>	IF	AMKAB	-	-	-	+ FL220	-
	TF	ASVEN	N	351 (357,9)	-	-	-
	TF	CY	N	349 (355,6)	L	+1500	-
	TF	BBE03	N	349 (355,6)	-	+1500	-
	TF	BB454	N	287 (294,1)	L	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-
GOTAP 1U <b>GOTAP ONE UNIFORM</b>	IF	GOTAP	-	-	-	+3050	-
	TF	BB458	N	287 (294,1)	-	+1850	-
	TF	BBE03	N	287 (294,1)	-	+1500	-
	TF	BB454	N	287 (294,1)	-	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-
KONIP 3U <b>KONIP THREE UNIFORM</b>	IF	KONIP	-	-	-	+3050	-
	TF	ASVEN	N	346 (353,4)	-	-	-
	TF	CY	N	349 (355,6)	R	+1500	-
	TF	BBE03	N	349 (355,6)	-	+1500	-
	TF	BB454	N	287 (294,1)	L	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-
KUVAL 3U <b>KUVAL THREE UNIFORM</b>	IF	KUVAL	-	-	-	+ FL120	-
	TF	BBN01	N	159 (166,3)	-	+ FL120	-
	TF	BB456	N	193 (200,1)	R	-	-
	TF	BB454	N	266 (272,7)	R	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-

Name	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
NANIR 3U NANIR THREE UNIFORM	IF	NANIR	-	-	-	+ FL110	-
	TF	BB470	N	132 (138,6)	-	+1500	-
	TF	GILEV	N	132 (138,6)	-	+1200	-
	TF	BB468	N	086 (092,6)	L	+900	407km/h(220kt)
	TF	BB466	N	356 (002,7)	L	+900	-
	TF	BB464	N	356 (002,7)	-	+900	-
	TF	BB462	N	356 (002,7)	-	+900	-
	TF	BB460	N	356 (002,7)	-	+900	-
	TF	BB442	N	086 (092,6)	R	+900	-
	TF	BB440	N	176 (182,7)	R	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-
NEMIP 3U NEMIP THREE UNIFORM	IF	NEMIP	-	-	-	+ FL120	-
	TF	BBN01	N	201 (207,6)	-	+ FL120	-
	TF	BB456	N	193 (200,1)	L	-	-
	TF	BB454	N	266 (272,7)	R	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-
SLV 1U Soloviivka ONE UNIFORM	IF	SLV	-	-	-	+FL110	-
	TF	BBW01	N	057 (064,4)	-	+2750	-
	TF	BB468	N	057 (064,4)	-	+900	407km/h(220kt)
	TF	BB466	N	356 (002,7)	L	+900	-
	TF	BB464	N	356 (002,7)	-	+900	-
	TF	BB462	N	356 (002,7)	-	+900	-
	TF	BB460	N	356 (002,7)	-	+900	-
	TF	BB442	N	086 (092,6)	R	+900	-
	TF	BB440	N	176 (182,7)	R	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-
	IF	SULUM	-	-	-	+ FL170	-
SULUM 3U SULUM THREE UNIFORM	TF	ASVEN	N	042 (049,3)	-	-	-
	TF	CY	N	349 (355,6)	L	+1500	-
	TF	BBE03	N	349 (355,6)	-	+ 1500	-
	TF	BB454	N	287 (294,1)	L	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-

Name	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
VEBIX 1U VEBIX ONE UNIFORM	IF	VEBIX	-	-	-	+2450	-
	TF	BBE03	N	323 (330,5)	-	+1500	-
	TF	BB454	N	287 (294,1)	L	+1200	407km/h(220kt)
	TF	BB452	N	356 (002,7)	R	+900	-
	TF	BB450	N	356 (002,7)	-	+900	-
	TF	BB448	N	356 (002,7)	-	+900	-
	TF	BB446	N	356 (002,7)	-	+900	-
	TF	BB444	N	356 (002,7)	-	+900	-
	TF	BB442	N	266 (272,7)	L	+900	-
	TF	BB440	N	176 (182,7)	L	+900	-
	TF	BB438	N	176 (182,7)	-	+900	-
	TF	BB436	N	176 (182,7)	-	+900	-
	TF	BB434	N	176 (182,7)	-	+900	-
	TF	BB430	N	168 (174,9)	L	900	-

## RNAV HOLDINGS

Fix identifier (Waypoint name)	Inbound Track °M (°T)	Turn direction	Minimum Altitude	Time MIN	Distance	Speed limit
BB440	176 (182,7)	R	900	1	-	407km/h(220kt)
BBN01	187 (194,0)	L	1850	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	-	-
VEBIX	300 (307,0)	L	1850	1	-	-

## WAYPOINTS

Waypoint name	Coordinates	Waypoint name	Coordinates		
BB430 (FAF)	502927.0N	0305458.0E	BB468	503310.0N	0304633.0E
BB434	503256.0N	0305429.0E	BB470	503613.0N	0303447.0E
BB436	503655.0N	0305447.0E	BBE03	502317.0N	0312113.0E
BB438	504054.0N	0305505.0E	BBN01	505041.0N	0312243.0E
BB440	504453.0N	0305523.0E	BBW01	502417.0N	0301718.0E
BB442	504852.0N	0305541.0E	ASVEN	495706.0N	0312422.0E
BB444	504838.0N	0310337.0E	GILEV	503324.0N	0303841.0E
BB446	504439.0N	0310319.0E	CY	500406.0N	0312332.0E
BB448	504040.0N	0310301.0E	SLV	501112.5N	0293412.5E
BB450	503641.0N	0310243.0E	AMKAB	481306.0N	0313020.0E
BB452	503242.0N	0310225.0E	GOTAP	501518.0N	0314912.0E
BB454	502843.0N	0310207.0E	KONIP	494442.0N	0312636.0E
BB456	502829.0N	0310959.0E	KUVAL	514847.0N	0310026.0E
BB458	502036.0N	0313037.0E	NANIR	505000.0N	0301542.0E
BB460	504906.0N	0304745.0E	NEMIP	520413.0N	0322311.0E
BB462	504507.0N	0304727.0E	SULUM	493328.0N	0304133.0E
BB464	504108.0N	0304709.0E	VEBIX	494934.0N	0315109.0E
BB466	503709.0N	0304651.0E			

INTENTIONALLY LEFT BLANK  
СТРАНИЦА НАМЕРЕННО ОСТАВЛЕНА НЕЗАПОЛНЕННОЙ