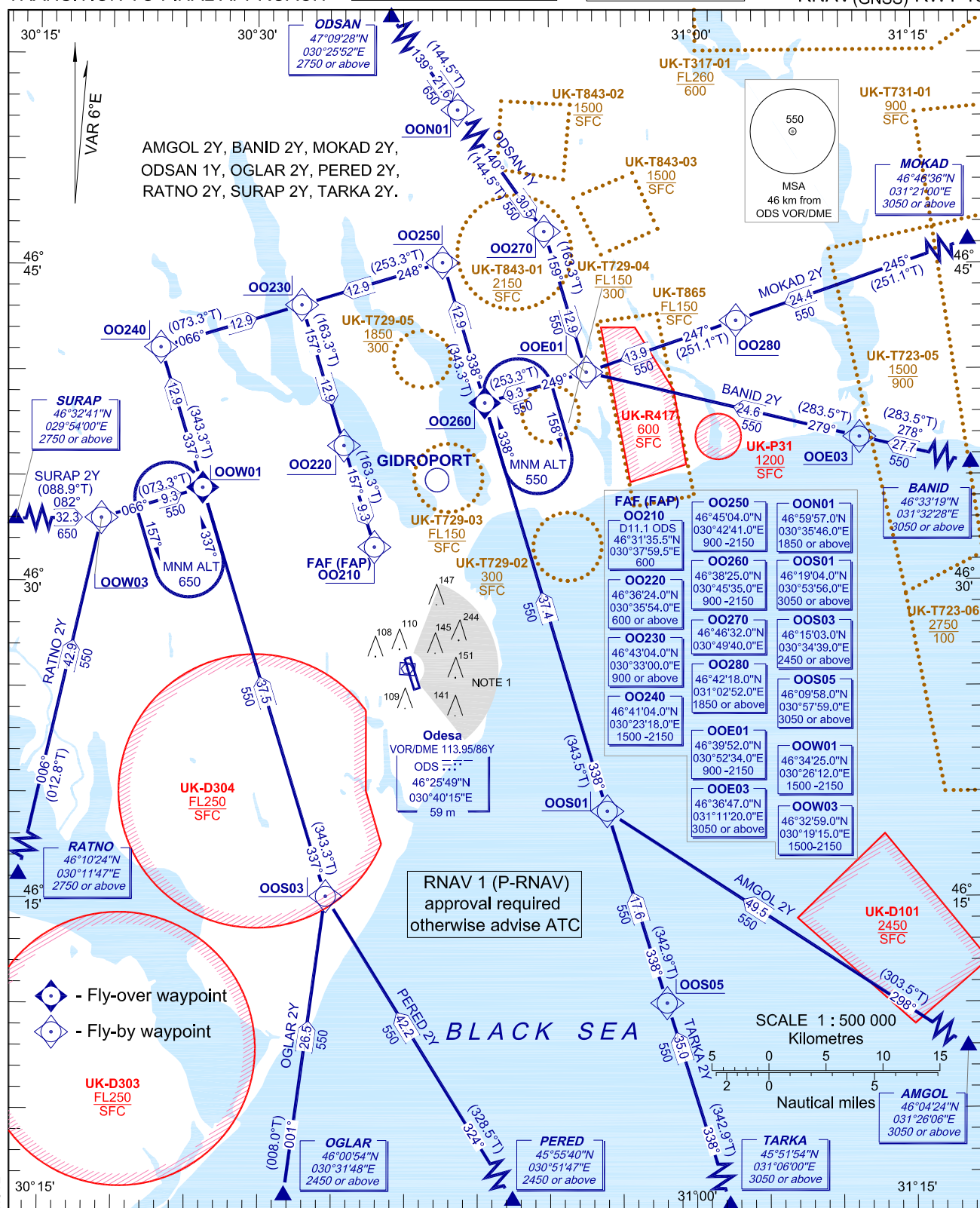


RNAV ARRIVAL PROCEDURE TRANSITION TO FINAL APPROACH

TRANSITION LEVEL: by ATC
TRANSITION ALT: 3050

Odesa Radar 120.900
Odesa TWR 125.500
ATIS (Eng): 133.100
ATIS (Rus): 124.800



NOTE:

1. Visual manoeuvring (circling) and visual approach not authorized below 1200m within sector from R015° 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 407 km/h (220 kt) at OOW01, OO260.
4. Expect ILS, LOC or NDB approach on OO210 (FAF).
5. For final approach see instrument approach charts UKOO ILS or LOC RWY 16, UKOO NDB RWY 16.
6. OOW01 and OO260 are fly-by for arrival procedures and fly-over for holding patterns.
7. Speed restriction on transition is always mandatory unless cancelled by ATC.
8. Altitude assignment will be issued by ATC.

Continuous Descent Operations (CDO)

1. CDO are performed during period of low traffic density.
2. CDO may be requested by the pilot or offered by the controller.
3. After receiving a "WHEN READY DESCEND TO (LEVEL)" or "DESCEND TO (LEVEL) AT PILOTS DISCRETION" clearance plan/optimize the vertical profile in order to apply CDO technique to the FAF.
4. Specified minimum level at waypoints must be adhered to unless specifically cancelled by ATC.
5. Maintain MAX IAS 220 kt at a distance of 20 track miles from touchdown.
6. For operational regulations refer to AIP UKOO AD 2.22 and ENR 1.5.

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

RNAV ARRIVAL PROCEDURE					RNAV 1 (GNSS) RWY16		
Name	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
AMGOL 2Y AMGOL TWO YANKEE	IF	AMGOL	-	-	-	+ 3050	-
	TF	OOS01	N	298 (303,5)	-	+ 3050	-
	TF	OO260	N	338 (343,5)	R	900-2150	407km/h(220kt)
	TF	OO250	N	338 (343,3)	L	900-2150	-
	TF	OO230	N	248 (253,3)	L	+ 900	-
	TF	OO220	N	157 (163,3)	L	+600	-
	TF	OO210	N	157 (163,3)	-	600	-
BANID 2Y BANID TWO YANKEE	IF	BANID	-	-	-	+ 3050	-
	TF	OOE03	N	278 (283,5)	-	+ 3050	-
	TF	OOE01	N	279 (283,5)	-	900-2150	-
	TF	OO260	N	249 (253,3)	L	900-2150	407km/h(220kt)
	TF	OO250	N	338 (343,3)	R	900-2150	-
	TF	OO230	N	248 (253,3)	L	+ 900	-
	TF	OO220	N	157 (163,3)	L	+600	-
MOKAD 2Y MOKAD TWO YANKEE	IF	MOKAD	-	-	-	+ 3050	-
	TF	OO280	N	245 (251,1)	-	+ 1850	-
	TF	OOE01	N	247 (251,1)	-	900-2150	-
	TF	OO260	N	249 (253,3)	R	900-2150	407km/h(220kt)
	TF	OO250	N	338 (343,3)	R	900-2150	-
	TF	OO230	N	248 (253,3)	L	+900	-
	TF	OO220	N	157 (163,3)	L	+600	-
ODSAN 1Y ODSAN ONE YANKEE	TF	OO210	N	157 (163,3)	-	600	-
	IF	ODSAN	-	-	-	+ 2750	-
	TF	OON01	N	139 (144,5)	-	+ 1850	-
	TF	OO270	N	140 (144,5)	-	-	-
	TF	OOE01	N	159 (163,3)	R	900-2150	-
	TF	OO260	N	249 (253,3)	R	900-2150	407km/h(220kt)
	TF	OO250	N	338 (343,3)	R	900-2150	-
OGLAR 2Y OGLAR TWO YANKEE	TF	OO230	N	248 (253,3)	L	+900	-
	TF	OO220	N	157 (163,3)	L	+600	-
	TF	OO210	N	157 (163,3)	-	600	-
	TF	OO210	N	157 (163,3)	-	600	-
	TF	OO210	N	157 (163,3)	-	600	-
	TF	OO210	N	157 (163,3)	-	600	-
PERED 2Y PERED TWO YANKEE	IF	OGLAR	-	-	-	+ 2450	-
	TF	OOS03	N	001 (008,0)	-	+ 2450	-
	TF	OOW01	N	337 (343,3)	L	1500-2150	407km/h(220kt)
	TF	OO240	N	337 (343,3)	-	1500-2150	-
	TF	OO230	N	066 (073,3)	R	+ 900	-
	TF	OO220	N	157 (163,3)	R	+600	-
RATNO 2Y RATNO TWO YANKEE	TF	OO210	N	157 (163,3)	-	600	-
	IF	PERED	-	-	-	+ 2450	-
	TF	OOS03	N	324 (328,5)	-	+ 2450	-
	TF	OOW01	N	337 (343,3)	R	1500-2150	407km/h(220kt)
	TF	OO240	N	337 (343,3)	-	1500-2150	-
	TF	OO230	N	066 (073,3)	R	+ 900	-
SURAP 2Y SURAP TWO YANKEE	TF	OO220	N	157 (163,3)	R	+600	-
	TF	OO210	N	157 (163,3)	-	600	-
	IF	RATNO	-	-	-	+ 2750	-
	TF	OOW03	N	006 (012,8)	-	1500-2150	-
	TF	OOW01	N	066 (073,3)	R	1500-2150	407km/h(220kt)
	TF	OO240	N	337 (343,3)	L	1500-2150	-
SURAP 2Y SURAP TWO YANKEE	TF	OO230	N	066 (073,3)	R	+ 900	-
	TF	OO220	N	157 (163,3)	R	+600	-
	TF	OO210	N	157 (163,3)	-	600	-
	IF	SURAP	-	-	-	+ 2750	-
	TF	OOW03	N	082 (088,9)	-	1500-2150	-
	TF	OOW01	N	066 (073,3)	L	1500-2150	407km/h(220kt)
SURAP 2Y SURAP TWO YANKEE	TF	OO240	N	337 (343,3)	L	1500-2150	-
	TF	OO230	N	066 (073,3)	R	+ 900	-
	TF	OO220	N	157 (163,3)	R	+600	-
	TF	OO210	N	157 (163,3)	-	600	-
	IF	SURAP	-	-	-	+ 2750	-
	TF	OOW03	N	082 (088,9)	-	1500-2150	-

Name	Path description	Fix identifier (Waypoint name)	Flyover	Course °M (°T)	Turn direction	Altitude	Speed limit
TARKA 2Y TARKA TWO YANKEE	IF	TARKA	-	-	-	+ 3050	-
	TF	OOS05	N	338 (342,9)	-	+ 3050	-
	TF	OOS01	N	338 (342,9)	-	+ 3050	-
	TF	OO260	N	338 (343,5)	R	900-2150	407km/h(220kt)
	TF	OO250	N	338 (343,3)	L	900-2150	-
	TF	OO230	N	248 (253,3)	L	+ 900	-
	TF	OO220	N	157 (163,3)	L	+600	-
	TF	OO210	N	157 (163,3)	-	600	-

RNAV HOLDINGS

Fix identifier (Waypoint name)	Inbound Track °M (°T)	Turn direction	Minimum Altitude	Time MIN	Distance	Speed limit
OOW01	337 (343,3)	L	650	1	-	407km/h(220kt)
OO260	338 (343,3)	R	550	1	-	407km/h(220kt)

WAYPOINTS

Waypoint name	Coordinates		Waypoint name	Coordinates	
OO210 (FAF/FAP)	463135N	0303759.5E	OOW01	463425N	0302612E
OO220	463624N	0303554E	OOW03	463259N	0301915E
OO230	464304N	0303300E	AMGOL	460424N	0312606E
OO240	464104N	0302318E	BANID	463319N	0313228E
OO250	464504N	0304241E	ODSAN	470928N	0302552E
OO260	463825N	0304535E	OGLAR	460054N	0303148E
OO270	464632N	0304940E	MOKAD	464636N	0312100E
OO280	464218N	0310252E	PERED	455540N	0305147E
OOE01	463952N	0305234E	RATNO	461024N	0301147E
OOE03	463647N	0311120E	SURAP	453241N	0295400E
OON01	465957N	0303546E	TARKA	455154N	0310600E
OOS01	461904N	0305356E			
OOS03	461503N	0303439E			
OOS05	460958N	0305759E			