

List of pages in this Trip Kit

Trip Kit Index

Airport Information For UKOO

Terminal Charts For UKOO

Revision Letter For Cycle 09-2019

Change Notices

Notebook

General Information

Location: ODESA UKR
ICAO/IATA: UKOO / ODS
Lat/Long: N46° 25.6', E030° 40.6'
Elevation: 171 ft

Airport Use: Public
Daylight Savings: Observed
UTC Conversion: -2:00 = UTC
Magnetic Variation: 6.0° E

Fuel Types: 115-145 Octane, Jet A-1
Customs: Yes
Airport Type: IFR
Landing Fee: Yes
Control Tower: Yes
Jet Start Unit: No
LLWS Alert: No
Beacon: No

Sunrise: 0231 Z
Sunset: 1717 Z

Runway Information

Runway: 34
Length x Width: 9186 ft x 184 ft
Surface Type: asphalt
TDZ-Elev: 165 ft
Lighting: Edge, ALS

Runway: 16
Length x Width: 9186 ft x 184 ft
Surface Type: asphalt
TDZ-Elev: 172 ft
Lighting: Edge, ALS

Communication Information

ATIS: 124.800 Non-English
ATIS: 133.100
Odesa Tower: 125.500
Odesa Ground: 127.700
Odesa Radar Approach: 120.900

UK00/ODS
ODESA

JEPPESEN

10 AUG 18

10-1P

Eff 16 Aug

ODESA, UKRAINE
AIRPORT BRIEFING**1. GENERAL****1.1. ATIS**

ATIS 133.1
124.8 (Russian)

1.2. NOISE ABATEMENT PROCEDURES

SIDs and approaches for Odesa aerodrome are based on minimizing the impact for aviation noise on settlements located around the aerodrome.

Crews should strictly adhere to entry/exit patterns.

Minimum levels provided by an ATC when ACFT is under radar vectoring or direct routing include corrections for low temperature effect if the temperature is within the range from -25°C to -10°C inclusively.

1.3. LOW VISIBILITY PROCEDURES (LVP)

Procedures are applied when RVR is less than 600m.

ACFT is taxiing behind Follow-me car.

When LVP are applied, only one ACFT is allowed to move at aerodrome.

1.4. TAXI PROCEDURES

For taxi and wingspan restrictions refer to 10-9 charts.

Taxiing ACFT via aprons K and L only under Follow-me car instructions, in other case - on crew request.

After ACFT landing, 180° turn is allowed for RWY vacation only at abeam TWYs 1, 3 and 5.

For ACFT B737-800, -900, A321, 180 ° turn is allowed for RWY vacation only at the end of RWY abeam TWY 1 and TWY 5.

Taxiing to stands on apron M - via free adjacent stand. Taxiing to stands on apron N - via one of free stands (42, 43, 44 or 45) and free adjacent stand.

Taxiing to stand 25A allowed when stands 24 and 25 not occupied.

Taxiing out of stand 25A allowed when stands 23 and 24 not occupied.

Taxiing via main TWY from TWY 3 to TWY 4, distance between centerline of main TWY and building is 98'/30m.

1.4.1. TAXIING ROUTES

Route T1 - for ACFT taxiing from/to Main TWY to/from stands 1 thru 3 on apron K.

Route T2 - for ACFT taxiing from/to Main TWY to/from stands on apron K and L (in case of stands 1 thru 5 are not occupied).

Route T3 - for ACFT taxiing from/to TWY 1 to/from stands on apron K and L (simultaneous usage with routes T2 or T5 is NOT ALLOWED).

Route T4 - for ACFT taxiing from/to TWY 6 to/from stands on apron N, L and K.

Route T5 - for ACFT taxiing from/to TWY 1 to/from stands on apron K and L.

1.5. PARKING INFORMATION

Stand 14 available for engine tests.

ACFT stands available for helicopters.

1.6. OTHER INFORMATION

Maneuvering area of aerodrome located south of TWY 3 is not visible from Tower.

Birds.

The crew must inform the Tower in advance about the restrictions that it has for ACFT to use the maneuvering area.

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10 AUG 18

10-1P1

Eff 16 Aug

ODESA, UKRAINE
AIRPORT BRIEFING

2. ARRIVAL

2.1. COMMUNICATION FAILURE PROCEDURES

In case of RCF, light gun signals are used by control tower; pilots must comply the instructions of Tower.

2.2. CONTINUOUS DESCENT OPERATIONS (CDO)

Authorized when ILS available.

Not available during adverse weather or system degradation affecting GNSS or ILS operations.

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.

Depending on the traffic situation, the CDO can start from the top-of-descent (TOD) or from lower levels.

When cleared "WHEN READY DESCEND TO (LEVEL)" or "DESCEND TO (LEVEL) AT PILOTS DISCRETION", the pilot should maintain the cruising/last assigned level until the optimum descent point/TOD, as determined by the pilot (or by FMS), and then commence descent without any additional request unless otherwise instructed by ATC.

Due to airspace structure, ATC will initially instruct pilots to descend to the level(s) above the level of FAP. In doing so, ATC will issue further descent instruction prior to the CDO flight reaching 600m (2000ft) from the last assigned level so as to prevent leveling off.

Pilots shall maintain MAX IAS 220 KT at a distance of 20 track miles from touchdown.

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13 NOV 15 **(10-1R)**

ODESA, UKRAINE

RADAR MINIMUM ALTITUDES

ODESA Radar
120.9

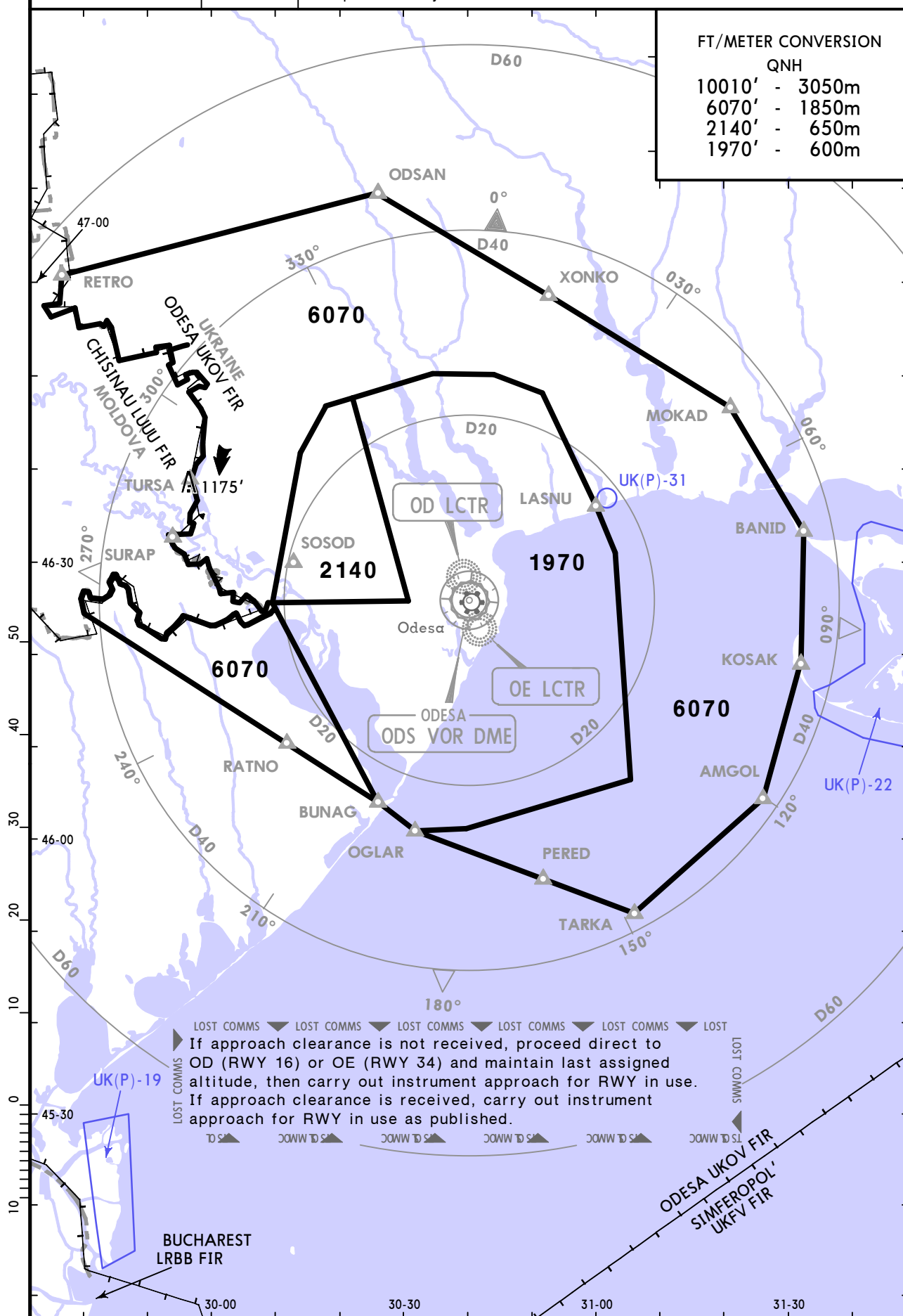
Apt Elev
172'

Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'
1. This 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 -9° or above. For lower temperatures, corrected minimum levels will be provided by ATC.

FT/METER CONVERSION

QNH

10010' - 3050m
6070' - 1850m
2140' - 650m
1970' - 600m



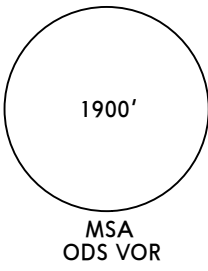
CHANGES: Sectors revised.

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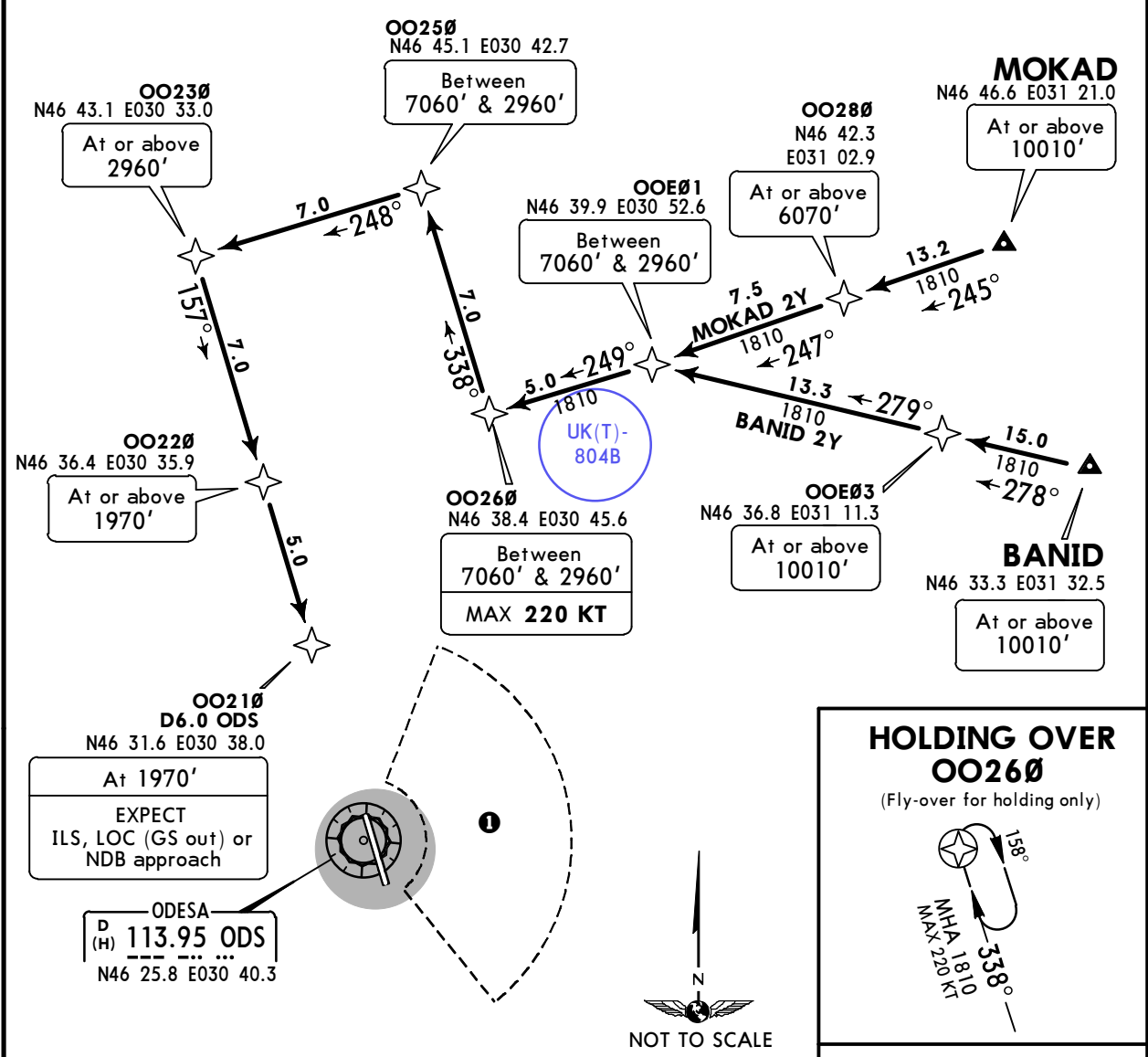
UK00/ODS
ODESA

JEPPESSEN
10 JUN 16 10-2 Eff 23 Jun

ODESA, UKRAINE
RNAV STAR

ATIS 133.1 (Russian 124.8)	Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010' 1. RNAV (GNSS) 2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC. 3. Activities within UK(T)-804B not authorized without prior coordination with ATC. 4. Speed restriction on STAR is always mandatory unless cancelled by ATC. 5. For CDO instructions refer to 10-1P pages. 6. Altitude assignment will be issued by ATC.	 MSA ODS VOR
Apt Elev 172'		

BANID TWO YANKEE (BANID 2Y)[BANI2Y]
MOKAD TWO YANKEE (MOKAD 2Y)[MOKA2Y]
RWY 16 RNAV ARRIVALS



① Visual manoeuvring (CIRCLING) prohibited below 3940' between ODS R-015 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.

HOLDING OVER OO260 (Fly-over for holding only)	
	
FT/METER CONVERSION	
QNH	
10010'	- 3050m
7060'	- 2150m
6070'	- 1850m
3940'	- 1200m
2960'	- 900m
1970'	- 600m
1810'	- 550m

STAR	ROUTING
BANID 2Y	BANID (10010'+) - OOE03 (10010'+) - OOE01 (7060'-; 2960'+) - OO260 (7060'-; 2960'+; K220-) - OO250 (7060'-; 2960'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').
MOKAD 2Y	MOKAD (10010'+) - OO280 (6070'+) - OOE01 (7060'-; 2960'+) - OO260 (7060'-; 2960'+; K220-) - OO250 (7060'-; 2960'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').

UK00/ODS
ODESA

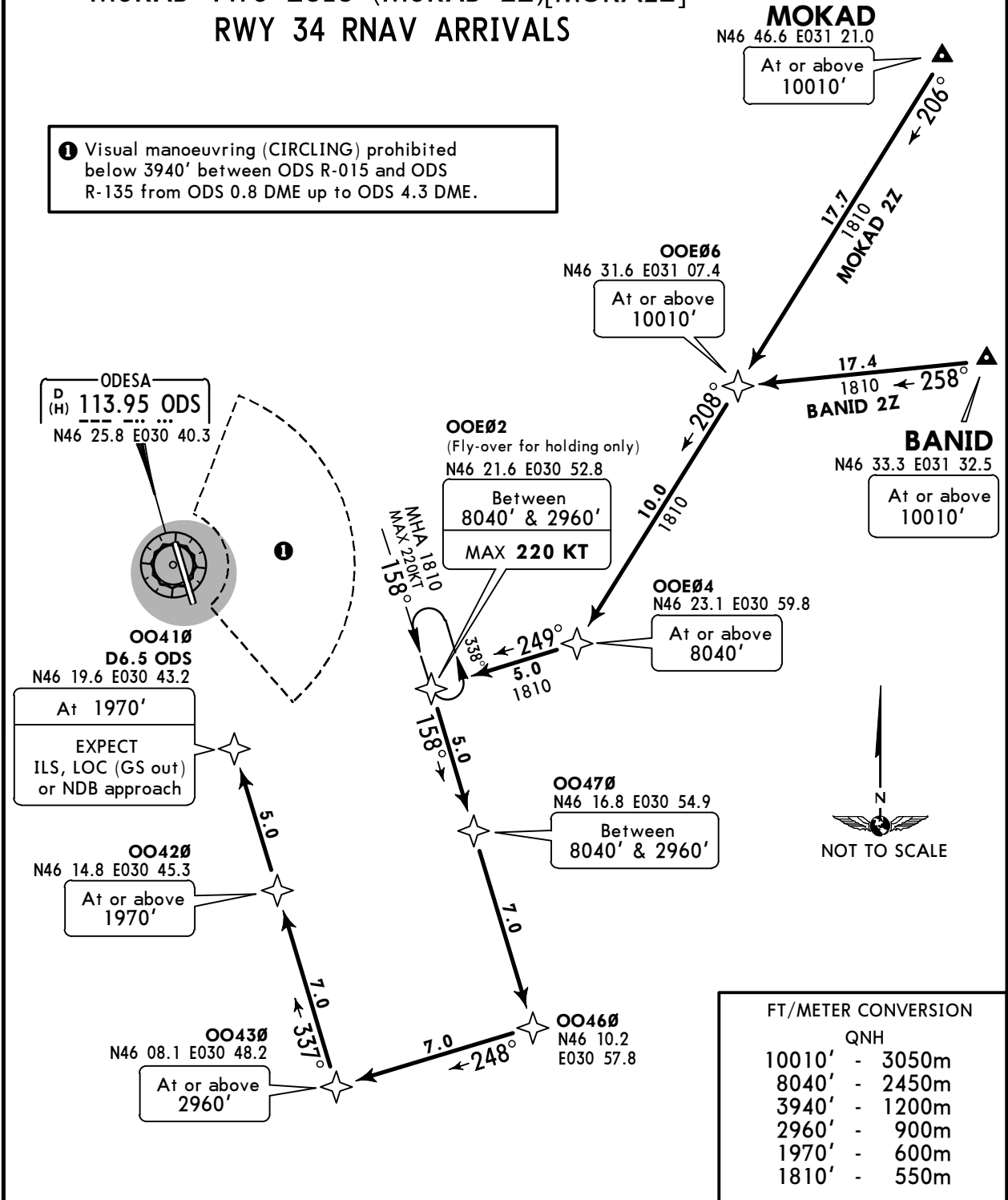
JEPPESSEN
10 JUN 16 10-2A Eff 23 Jun

ODESA, UKRAINE
RNAV STAR

ATIS 133.1 (Russian 124.8)	Apt Elev 172'	Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010' 1. RNAV (GNSS) 2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC. 3. Speed restriction on STAR is always mandatory unless cancelled by ATC. 4. For CDO instructions refer to 10-1P pages. 5. Altitude assignment will be issued by ATC.	1900' MSA ODS VOR
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BANID TWO ZULU (BANID 2Z)[BANI2Z]
MOKAD TWO ZULU (MOKAD 2Z)[MOKA2Z]
RWY 34 RNAV ARRIVALS

1 Visual manoeuvring (CIRCLING) prohibited below 3940' between ODS R-015 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.



STAR	ROUTING
BANID 2Z	BANID (10010'+) - OOE06 (10010'+) - OOE04 (8040'+) - OOE02 (8040'-; 2960'+; K220-) - OO470 (8040'-; 2960'+) - OO460 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').
MOKAD 2Z	MOKAD (10010'+) - OOE06 (10010'+) - OOE04 (8040'+) - OOE02 (8040'-; 2960'+; K220-) - OO470 (8040'-; 2960'+) - OO460 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').

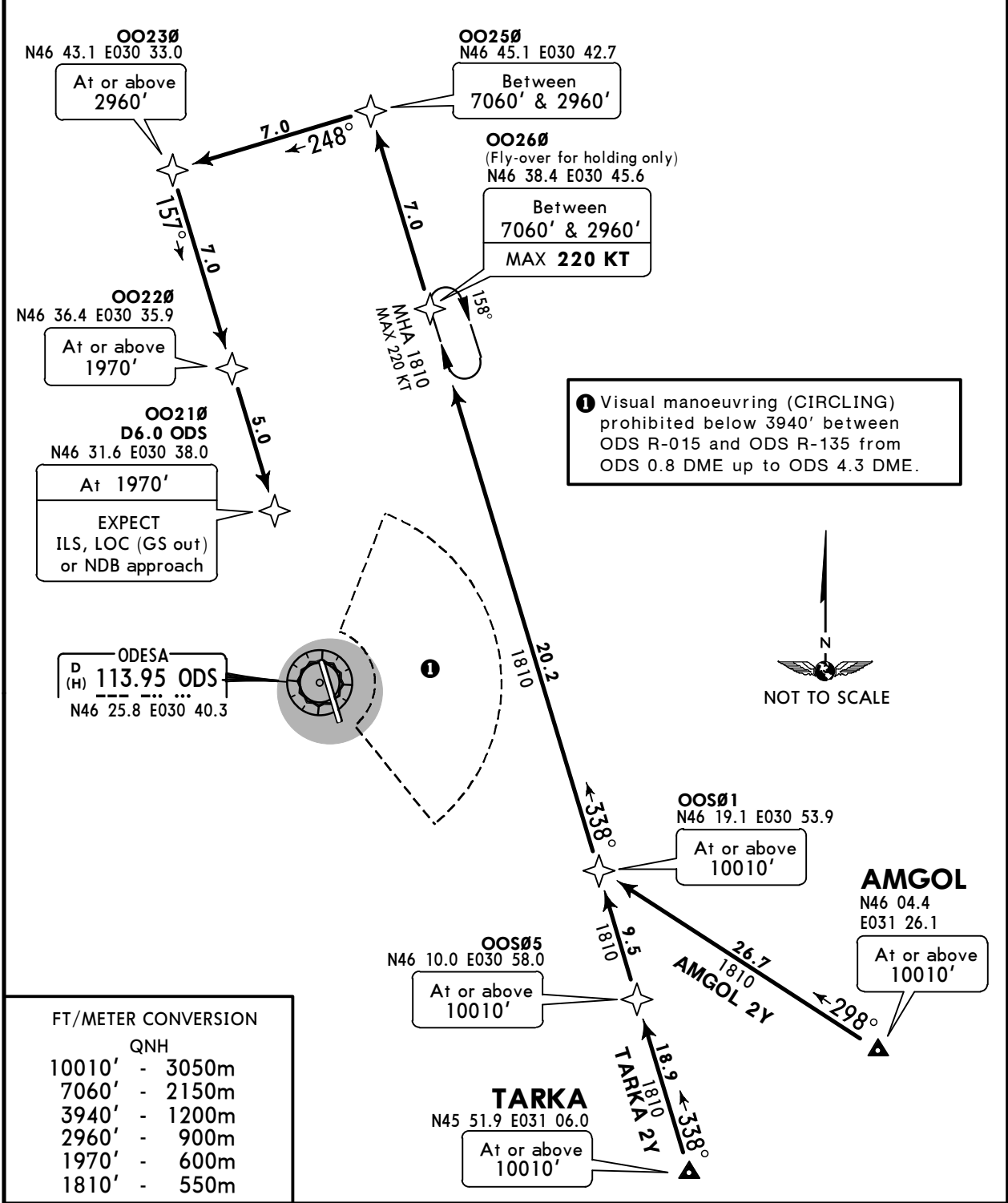
UK00/ODS
ODESA

JEPPESSEN
6 NOV 15 10-2B Eff 12 Nov

ODESA, UKRAINE
RNAV STAR

ATIS 133.1 (Russian 124.8)	Apt Elev 172'	Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010' 1. RNAV (GNSS) 2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC. 3. Speed restriction on STAR is always mandatory unless cancelled by ATC. 4. For CDO instructions refer to 10-1P pages. 5. Altitude assignment will be issued by ATC.	1900' MSA ODS VOR
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AMGOL TWO YANKEE (AMGOL 2Y){AMGO2Y}
TARKA TWO YANKEE (TARKA 2Y){TARK2Y}
RWY 16 RNAV ARRIVALS



STAR	ROUTING
AMGOL 2Y	AMGOL (10010'+) - OOS01 (10010'+) - OO260 (7060'-; 2960'+; K220-) - OO250 (7060'-; 2960'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').
TARKA 2Y	TARKA (10010'+) - OOS05 (10010'+) - OOS01 (10010'+) - OO260 (7060'-; 2960'+; K220-) - OO250 (7060'-; 2960'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').

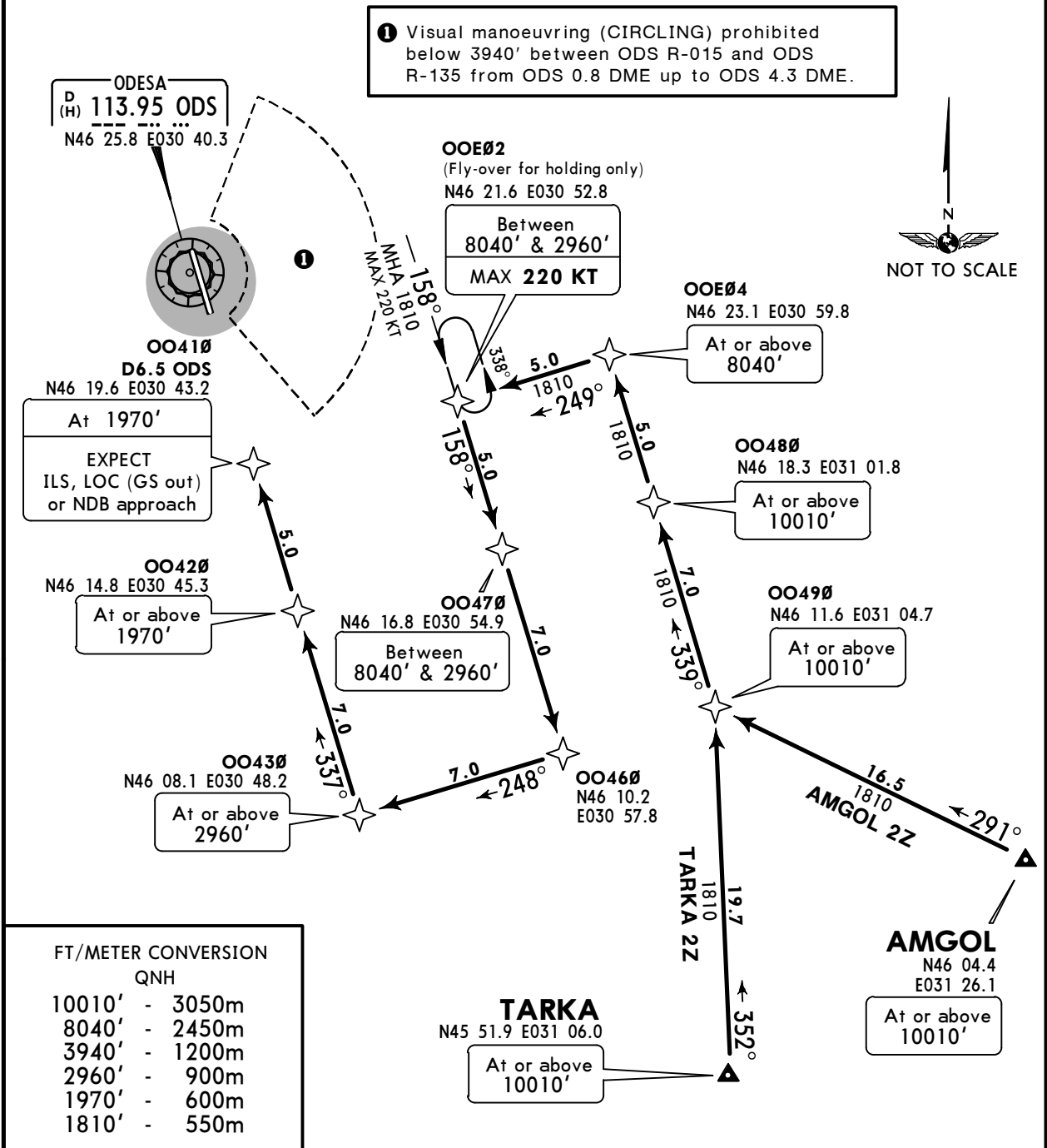
UK00/ODS
ODESA

JEPPESSEN
6 NOV 15 10-2C Eff 12 Nov

ODESA, UKRAINE
RNAV STAR

ATIS 133.1 (Russian 124.8)	Apt Elev 172'	Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010' 1. RNAV (GNSS) 2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC. 3. Speed restriction on STAR is always mandatory unless cancelled by ATC. 4. For CDO instructions refer to 10-1P pages. 5. Altitude assignment will be issued by ATC.	1900' MSA ODS VOR
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AMGOL TWO ZULU (AMGOL 2Z) [AMGO2Z]
TARKA TWO ZULU (TARKA 2Z) [TARK2Z]
RWY 34 RNAV ARRIVALS



STAR	ROUTING
AMGOL 2Z	AMGOL (10010'+) - OO490 (10010'+) - OO480 (10010'+) - OOE04 (8040'+) - OOE02 (8040'-; 2960'+; K220-) - OO470 (8040'-; 2960'+) - OO460 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').
TARKA 2Z	TARKA (10010'+) - OO490 (10010'+) - OO480 (10010'+) - OOE04 (8040'+) - OOE02 (8040'-; 2960'+; K220-) - OO470 (8040'-; 2960'+) - OO460 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').

UK00/ODS
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JEPPESSEN
6 NOV 15 10-2D Eff 12 Nov

ODESA, UKRAINE
RNAV STAR

Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'

1. RNAV (GNSS)
2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC.
3. Speed restriction on STAR is always mandatory unless cancelled by ATC.
4. For CDO instructions refer to 10-1P pages.
5. Altitude assignment will be issued by ATC.

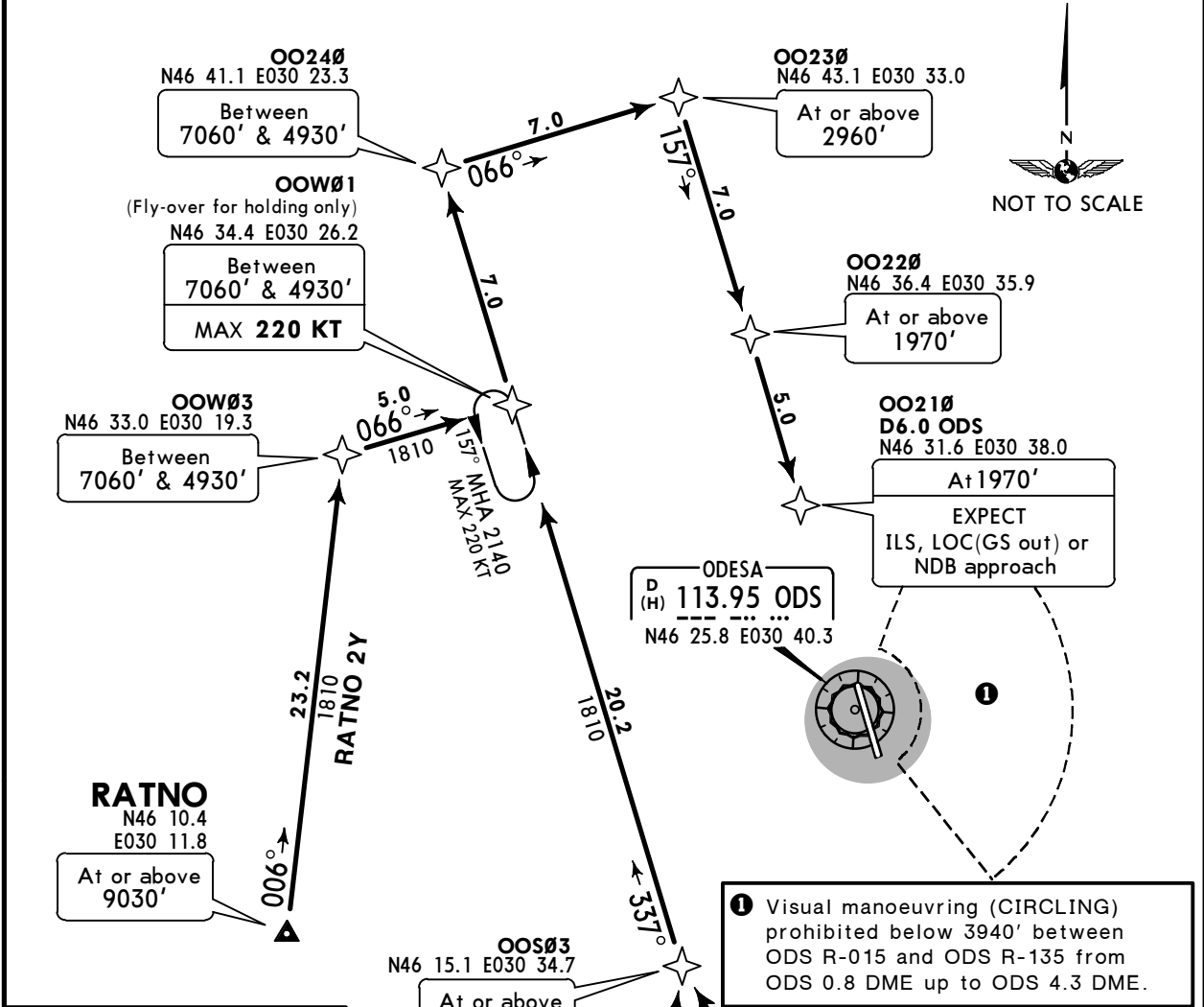
ATIS
133.1
(Russian **124.8**)

Apt Elev
172'

1900'

MSA
ODS VOR

OGLAR TWO YANKEE (OGLAR 2Y)[OGLA2Y]
PERED TWO YANKEE (PERED 2Y)[PERE2Y]
RATNO TWO YANKEE (RATNO 2Y)[RATN2Y]
RWY 16 RNAV ARRIVALS



FT/METER CONVERSION	
QNH	
10010'	- 3050m
9030'	- 2750m
8040'	- 2450m
7060'	- 2150m
4930'	- 1500m
3940'	- 1200m
2960'	- 900m
2140'	- 650m
1970'	- 600m

STAR	ROUTING
OGLAR 2Y	OGLAR (8040'+) - OOS03 (8040'+) - OOW01 (7060'-; 4930'+; K220-) - OO240 (7060'-; 4930'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').
PERED 2Y	PERED (8040'+) - OOS03 (8040'+) - OOW01 (7060'-; 4930'+; K220-) - OO240 (7060'-; 4930'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').
RATNO 2Y	RATNO (9030'+) - OOW03 (7060'-; 4930'+) - OOW01 (7060'-; 4930'+; K220-) - OO240 (7060'-; 4930'+) - OO230 (2960'+) - OO220 (1970'+) - OO210 (1970').

UK00/ODS
ODESA

JEPPESSEN
6 NOV 15 10-2E Eff 12 Nov

ODESA, UKRAINE
RNAV STAR

Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'

1. RNAV (GNSS)
2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC.
3. Speed restriction on STAR is always mandatory unless cancelled by ATC.
4. For CDO instructions refer to 10-1P pages.
5. Altitude assignment will be issued by ATC.

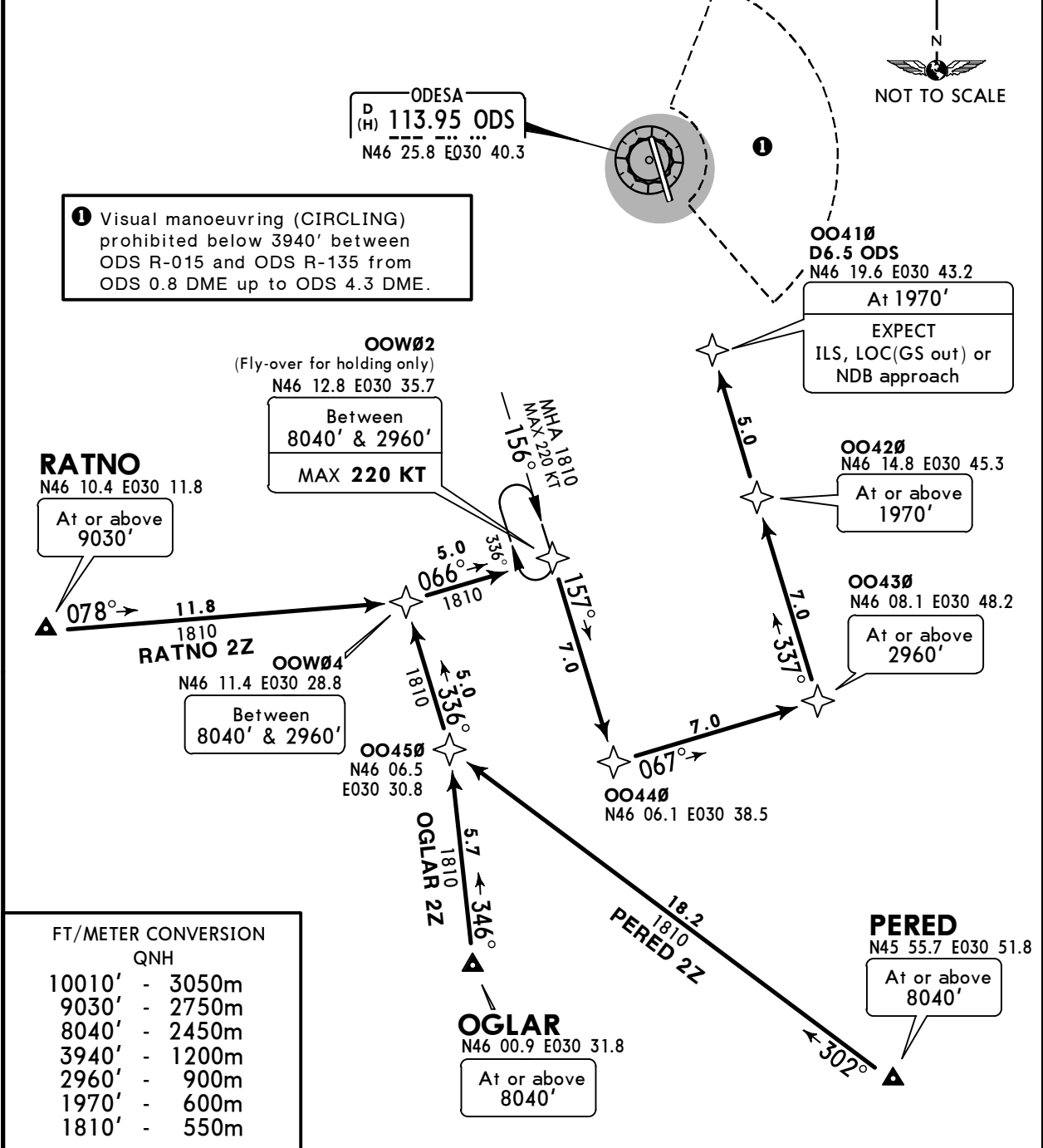
ATIS
133.1
(Russian 124.8)

Apt Elev
172'

1900'

MSA
ODS VOR

OGLAR TWO ZULU (OGLAR 2Z)[OGLA2Z]
PERED TWO ZULU (PERED 2Z)[PERE2Z]
RATNO TWO ZULU (RATNO 2Z)[RATN2Z]
RWY 34 RNAV ARRIVALS



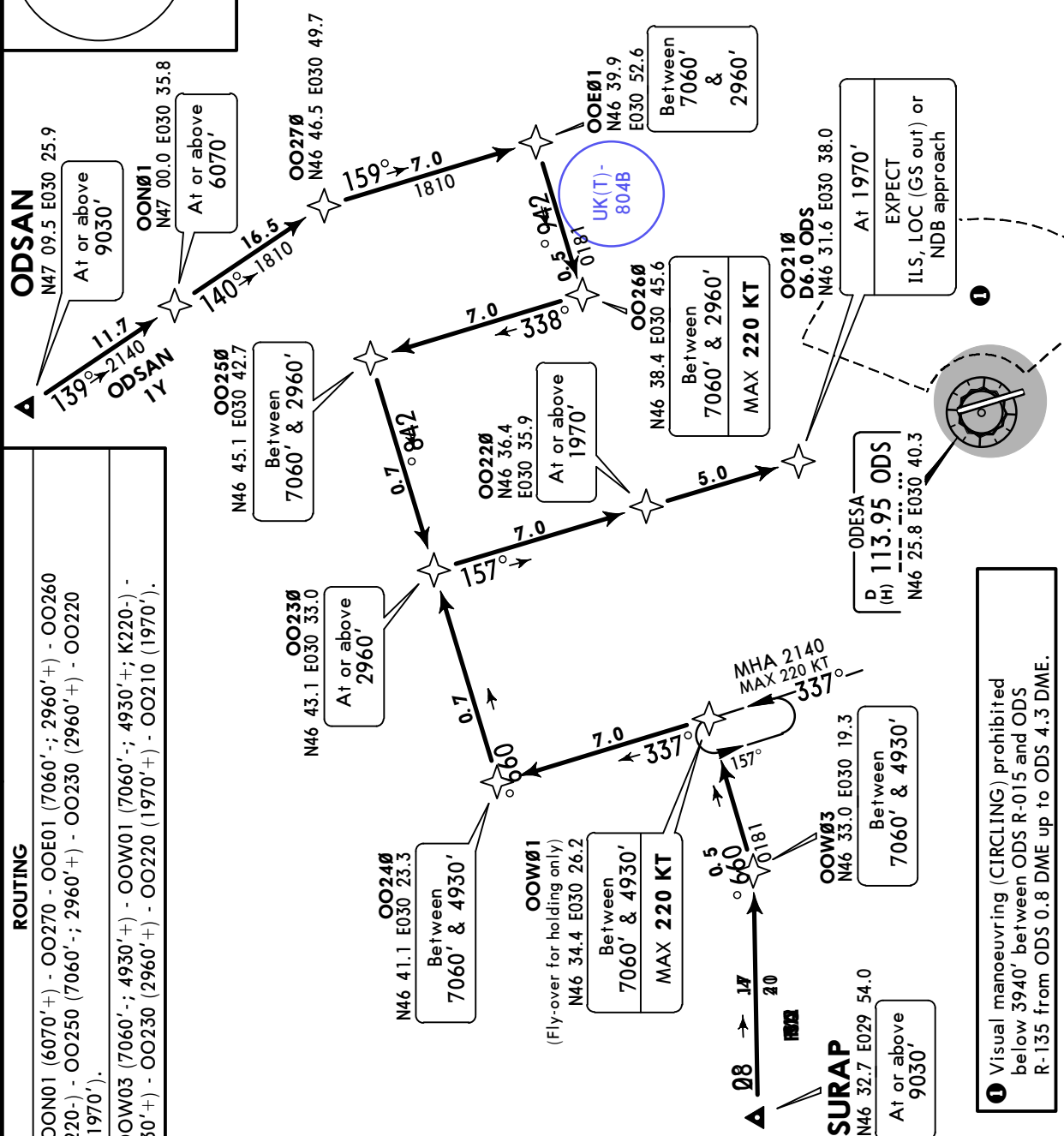
FT/METER CONVERSION	
QNH	
10010'	- 3050m
9030'	- 2750m
8040'	- 2450m
3940'	- 1200m
2960'	- 900m
1970'	- 600m
1810'	- 550m

STAR	ROUTING
OGLAR 2Z	OGLAR (8040'+) - OO450 - OOW04 (8040'-; 2960'+) - OOW02 (8040'-; 2960'+; K220-) - OO440 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').
PERED 2Z	PERED (8040'+) - OO450 - OOW04 (8040'-; 2960'+) - OOW02 (8040'-; 2960'+; K220-) - OO440 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').
RATNO 2Z	RATNO (9030'+) - OOW04 (8040'-; 2960'+) - OOW02 (8040'-; 2960'+; K220-) - OO440 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').

Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'

1. **RNAV (GNSS)** 2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC. 3. Activities within UK(T)-804B not authorized without prior coordination with ATC. 4. Speed restriction on STAR is always mandatory unless cancelled by ATC. 5. For CDO instructions refer to 10-1P pages. 6. Altitude assignment will be issued by ATC.

ODSAN ONE YANKEE (ODSAN 1Y) [ODSA1Y]
SURAP TWO YANKEE (SURAP 2Y) [SURA2Y]
RWY 16 RNAV ARRIVALS



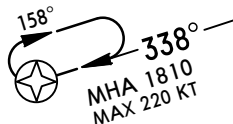
D Visual manoeuvring (CIRCLING) prohibited below 3940' between ODS R-015 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.

ROUTING

STAR	
ODSAN 1Y	
SURAP 2Y	

HOLDING OVER
00260

(Fly-over for holding only)



FT/METER CONVERSION

10010'	-	3050m
9030'	-	2750m
7060'	-	2150m
6070'	-	1850m
4930'	-	1500m
3940'	-	1200m
2960'	-	900m
2140'	-	650m
1970'	-	600m
1810'	-	550m

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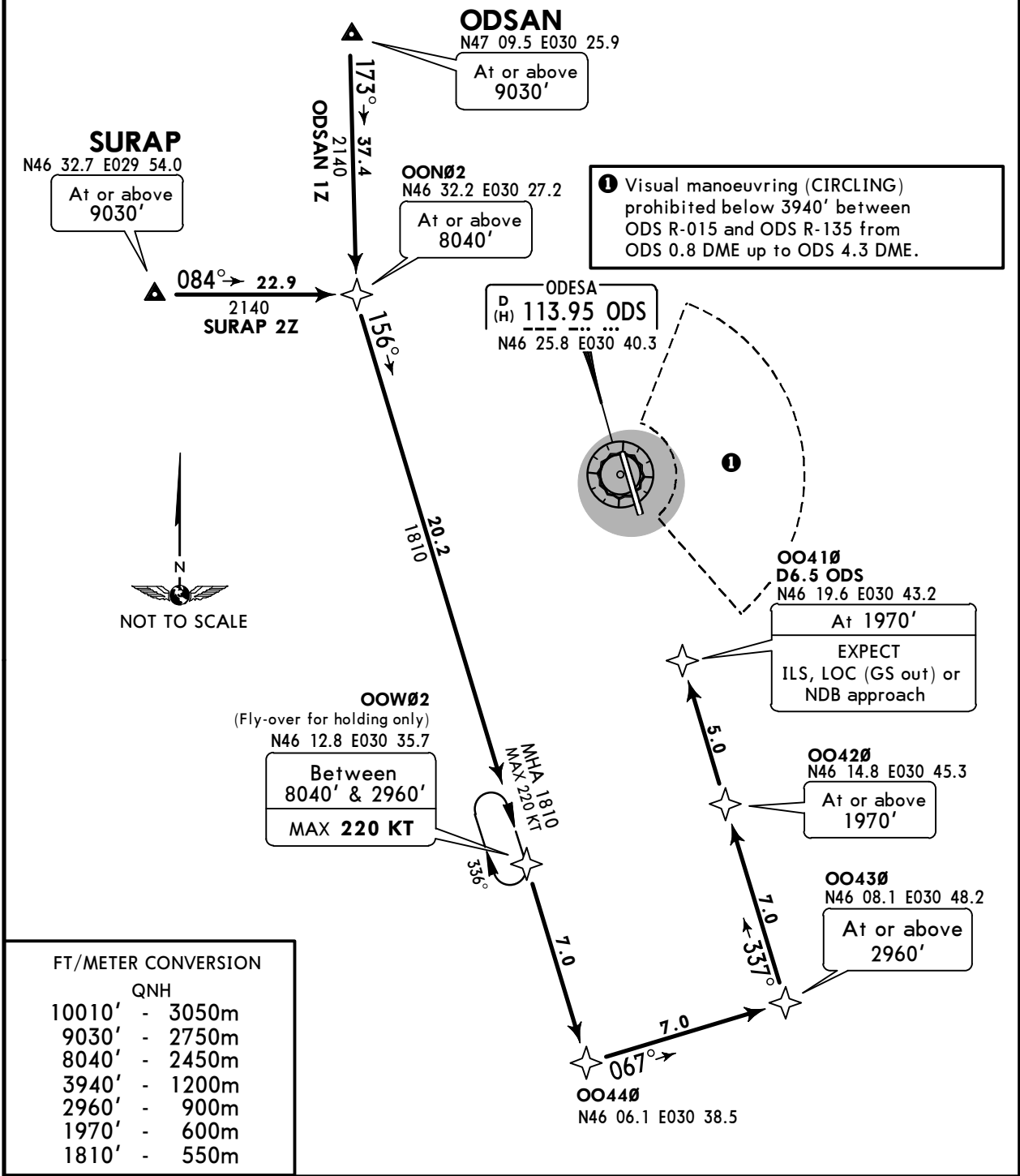
UK00/ODS
ODESA

JEPPESSEN
10 JUN 16 10-2G Eff 23 Jun

ODESA, UKRAINE
RNAV STAR

ATIS 133.1 (Russian 124.8)	Apt Elev 172'	Alt Set: hPa (MM on request) Trans level: By ATC Trans alt: 10010' 1. RNAV (GNSS) 2. RNAV 1 (P-RNAV) approval required, otherwise advice ATC. 3. Speed restriction on STAR is always mandatory unless cancelled by ATC. 4. For CDO instructions refer to 10-1P pages. 5. Altitude assignment will be issued by ATC.	1900' MSA ODS VOR
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ODSAN ONE ZULU (ODSAN 1Z)[ODSA1Z]
SURAP TWO ZULU (SURAP 2Z)[SURA2Z]
RWY 34 RNAV ARRIVALS



STAR	ROUTING
ODSAN 1Z	ODSAN (9030'+) - OON02 (8040'+) - OOW02 (8040'-; 2960'+; K220-) - OO440 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').
SURAP 2Z	SURAP (9030'+) - OON02 (8040'+) - OOW02 (8040'-; 2960'+; K220-) - OO440 - OO430 (2960'+) - OO420 (1970'+) - OO410 (1970').

UK00/ODS
ODESA

JEPPESSEN

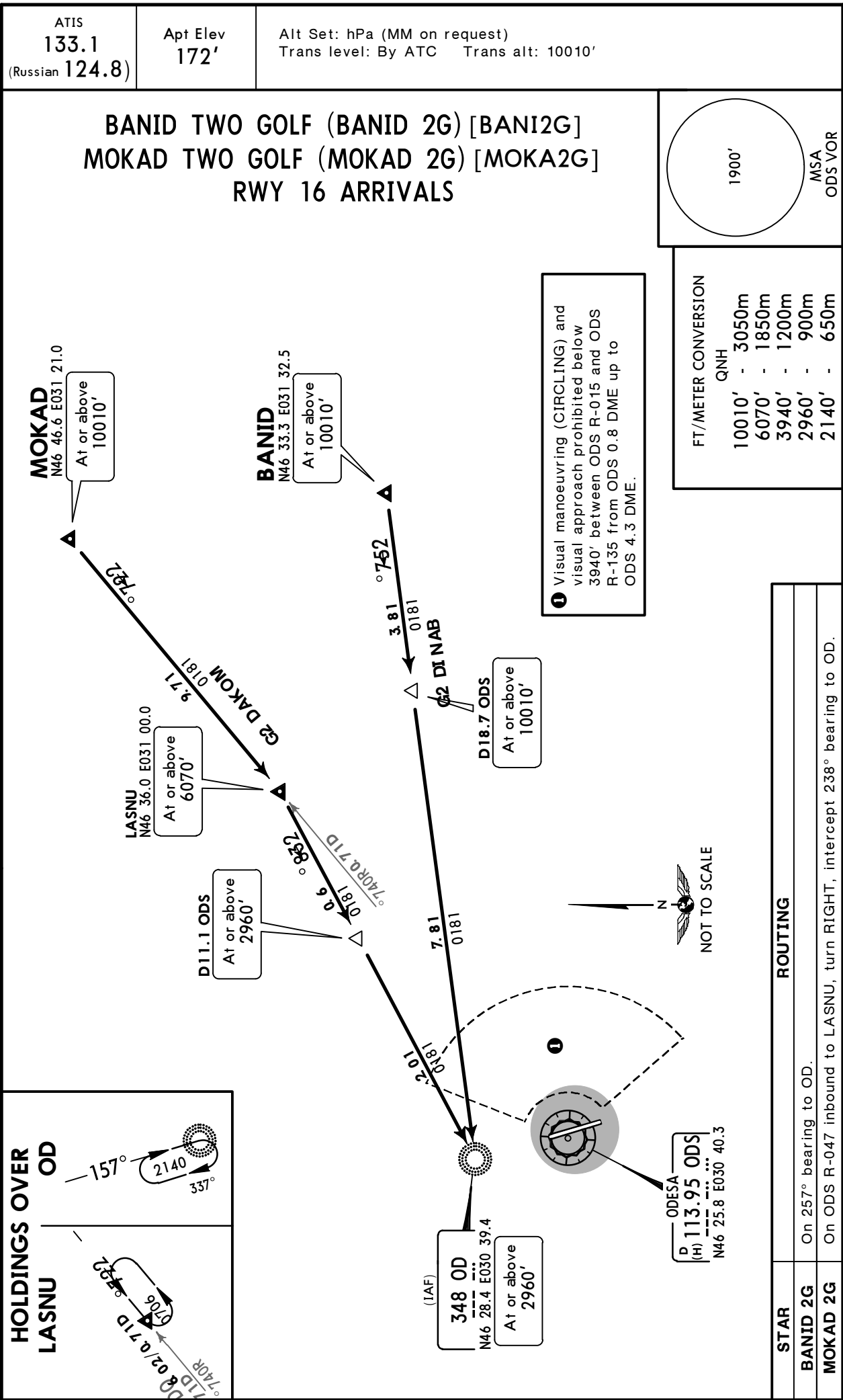
6 NOV 15

10-2H

Eff 12 Nov

ODESA, UKRAINE

STAR

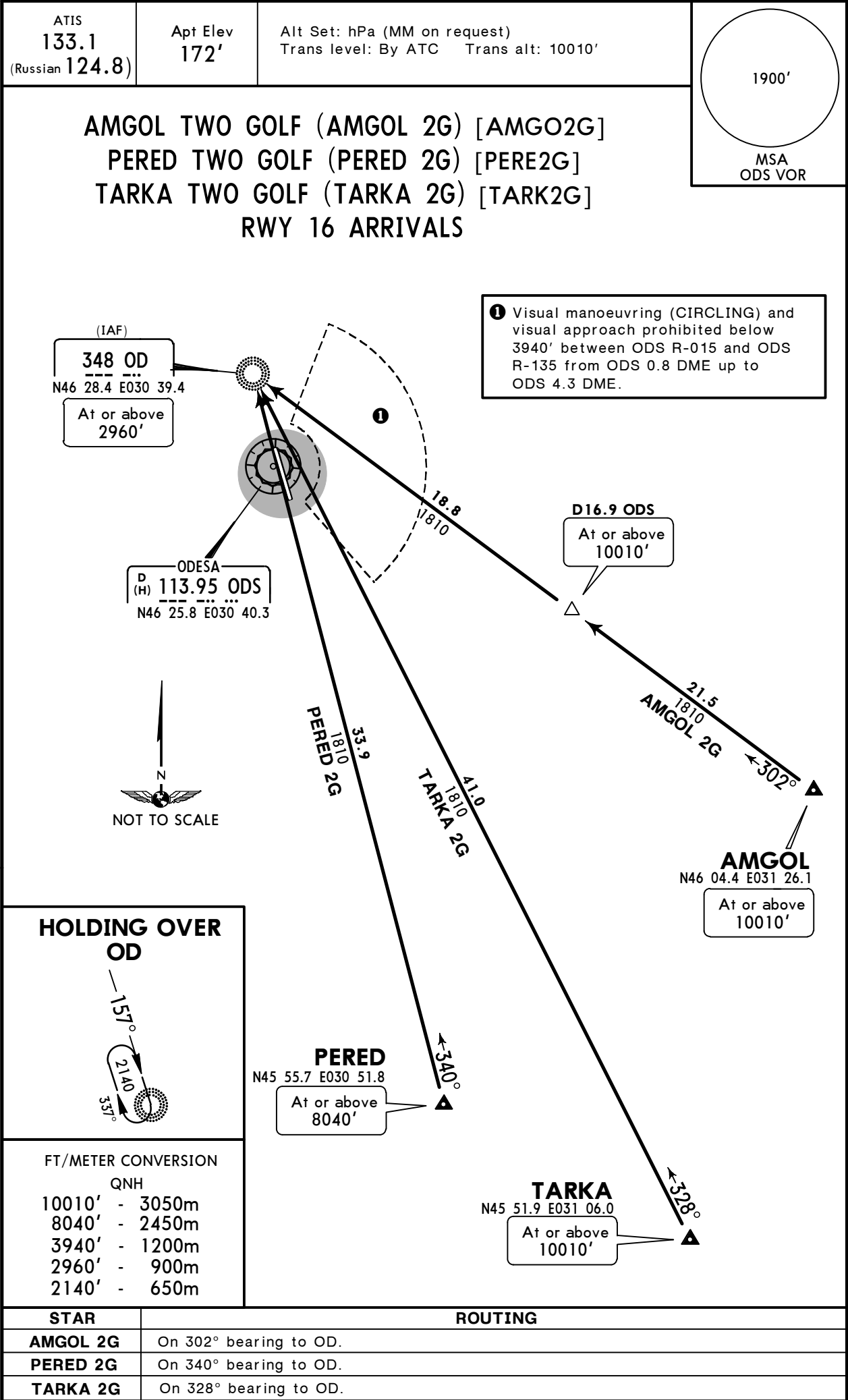


On ODS R-047 inbound to LASNU, turn LEFT, intercept 220° bearing to OE.

UK00/ODS
ODESA

JEPPESEN
6 NOV 15 10-2K Eff 12 Nov

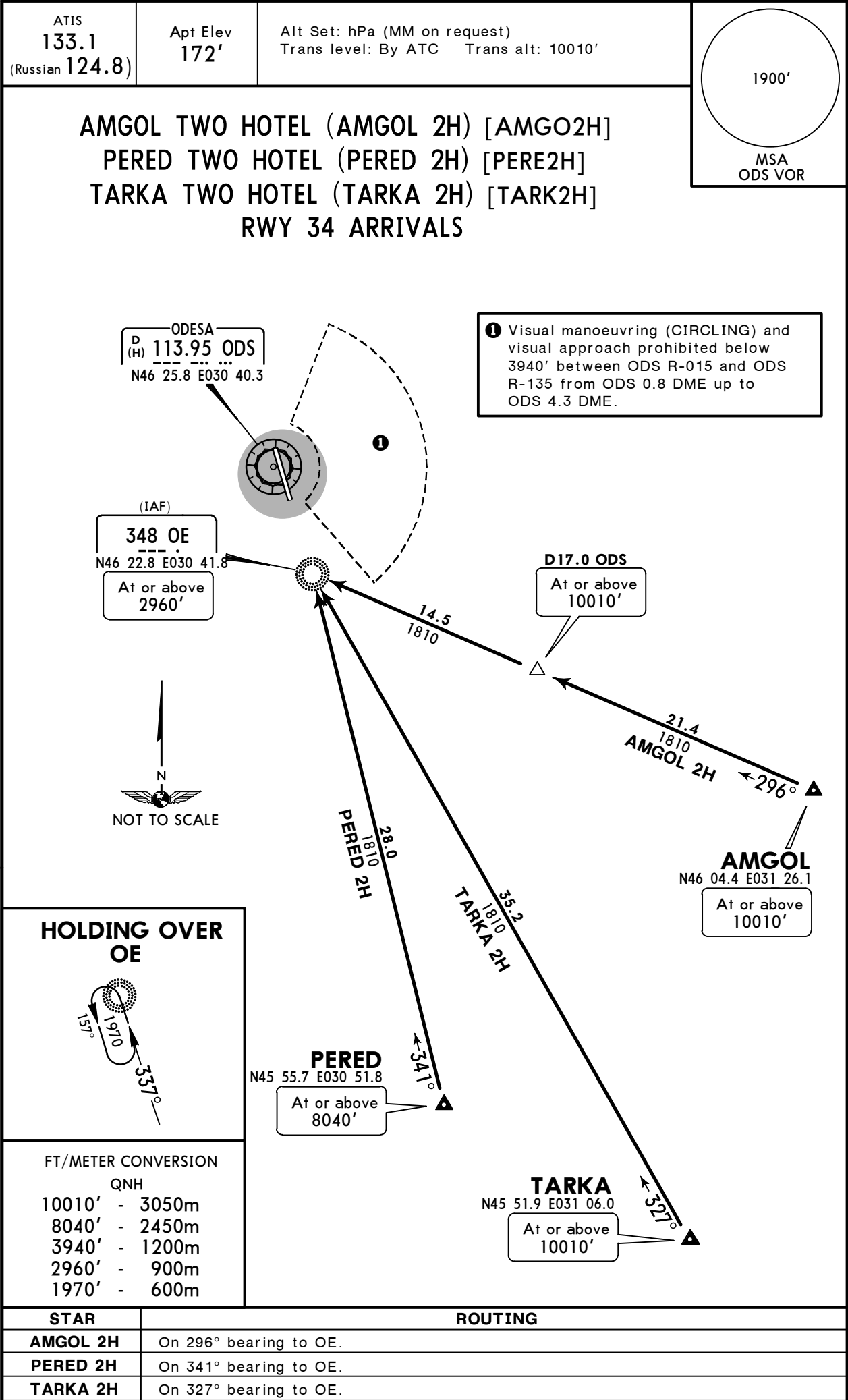
ODESA, UKRAINE
STAR



UK00/ODS
ODESA

JEPPESEN
6 NOV 15 10-2L Eff 12 Nov

ODESA, UKRAINE
STAR

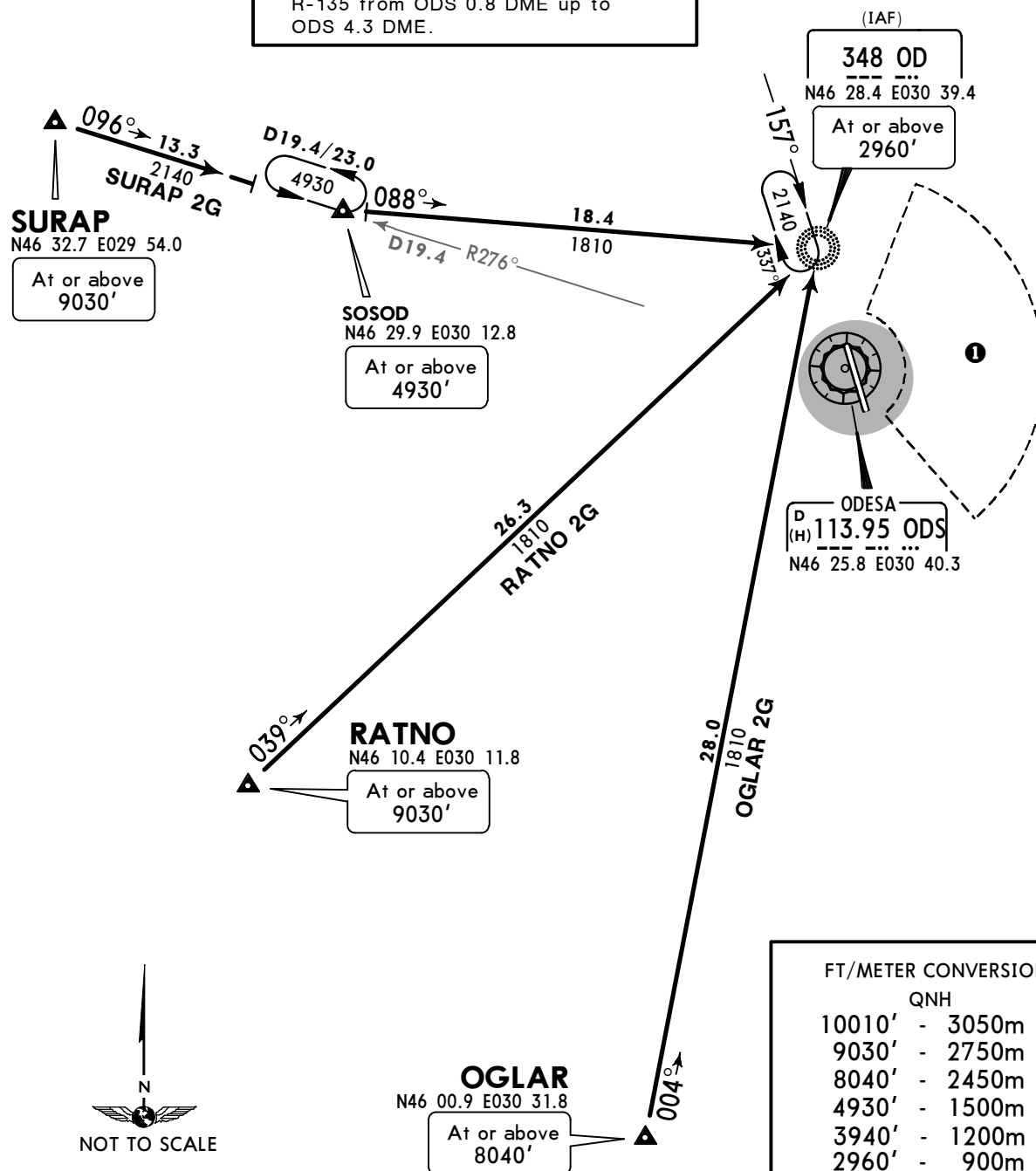




1900'

MSA
ODS VOR

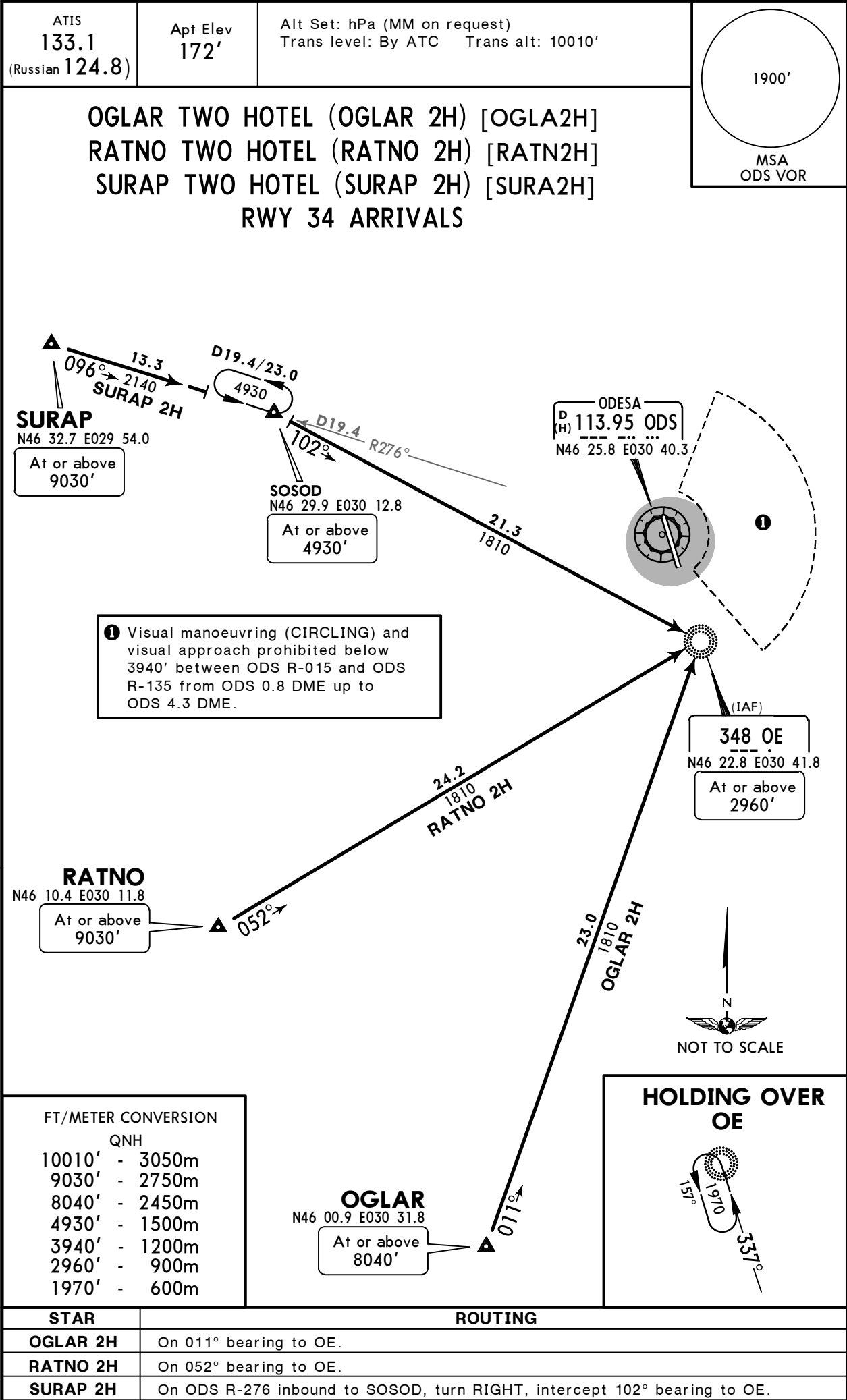
1 Visual manoeuvring (CIRCLING) and visual approach prohibited below 3940' between ODS R-015 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.



UK00/ODS
ODESA

JEPPESEN
6 NOV 15 10-2N Eff 12 Nov

ODESA, UKRAINE
STAR

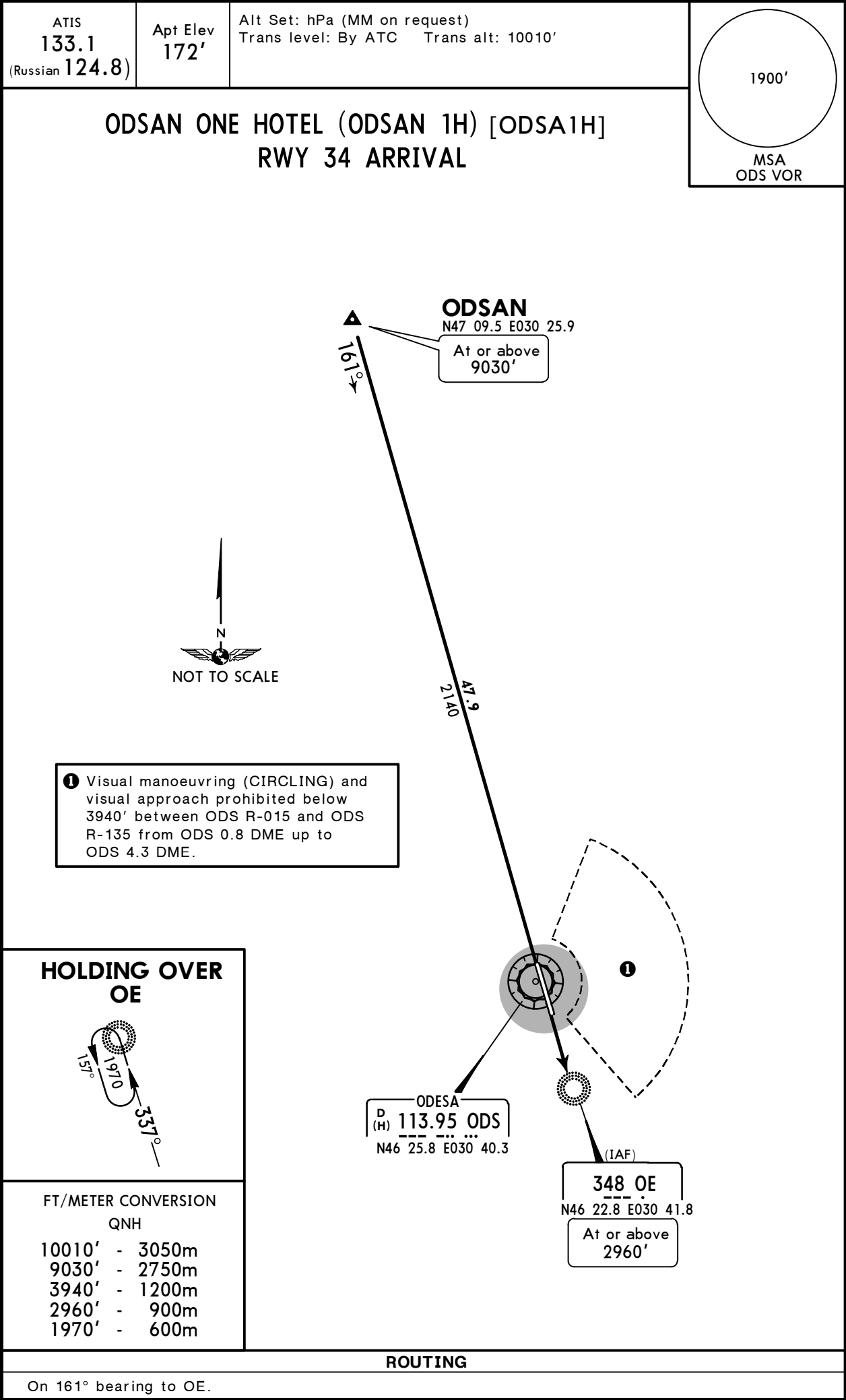


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UK00/ODS
ODESA

JEPPESSEN
6 NOV 15 (10-2Q) Eff 12 Nov

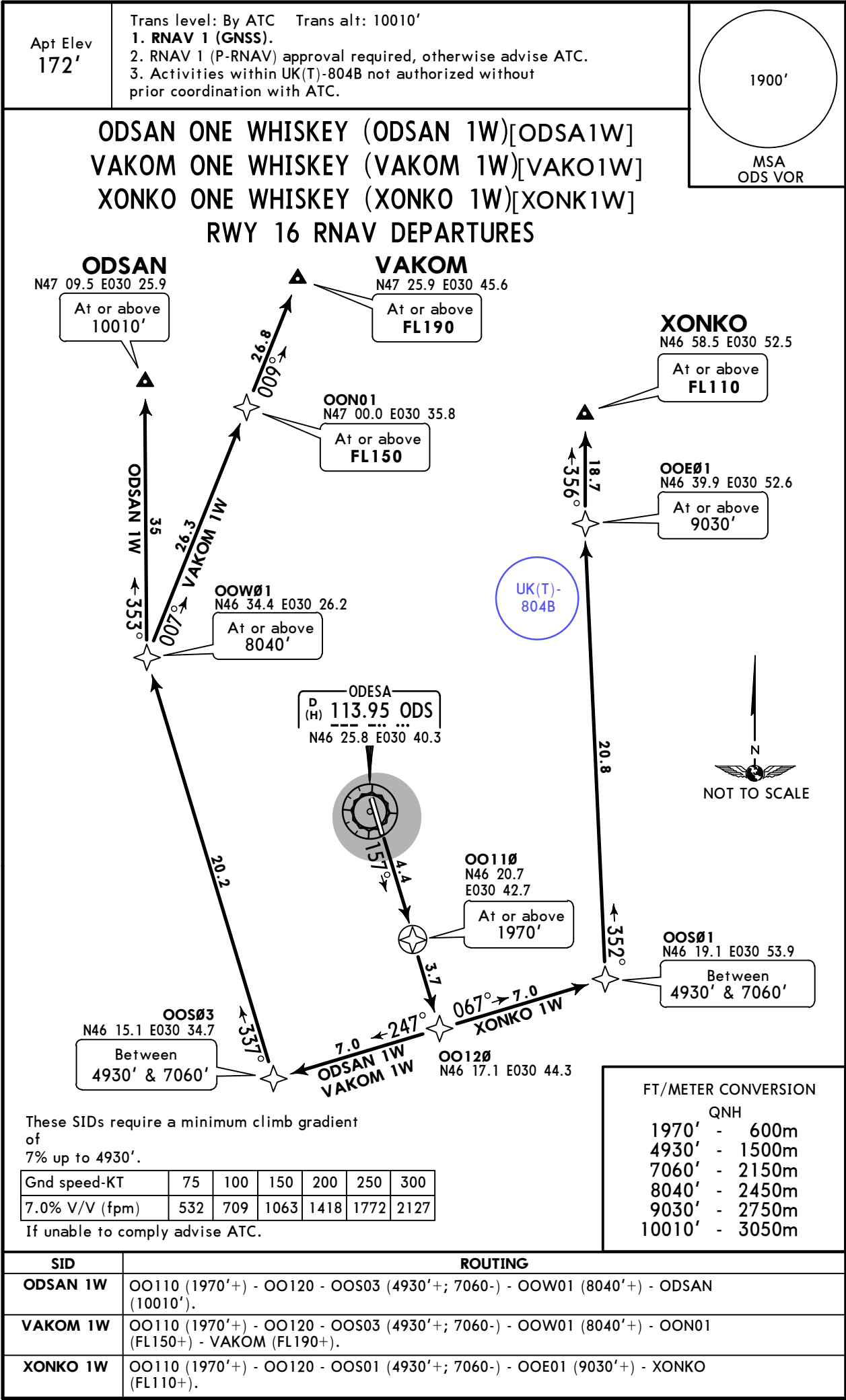
ODESA, UKRAINE
STAR



UK00/ODS
ODESA

JEPPESSEN
10 JUN 16 10-3 Eff 23 Jun

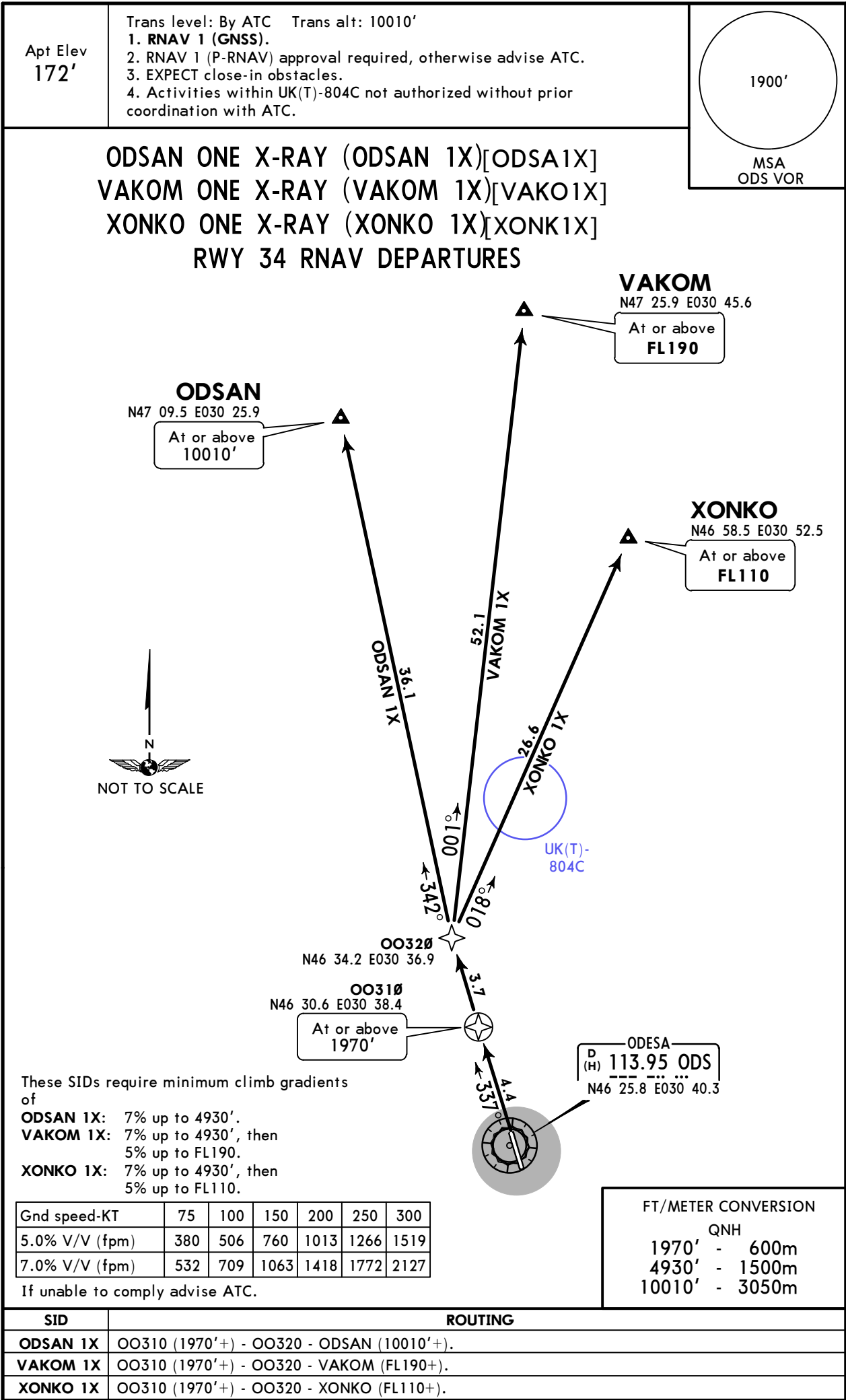
ODESA, UKRAINE
RNAV SID



UK00/ODS
ODESA

JEPPESEN
10 JUN 16 (10-3A) Eff 23 Jun

ODESA, UKRAINE
RNAV SID



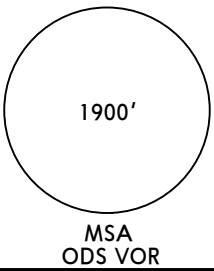
UK00/ODS
ODESA

JEPPESEN
10 JUN 16 10-3B Eff 23 Jun

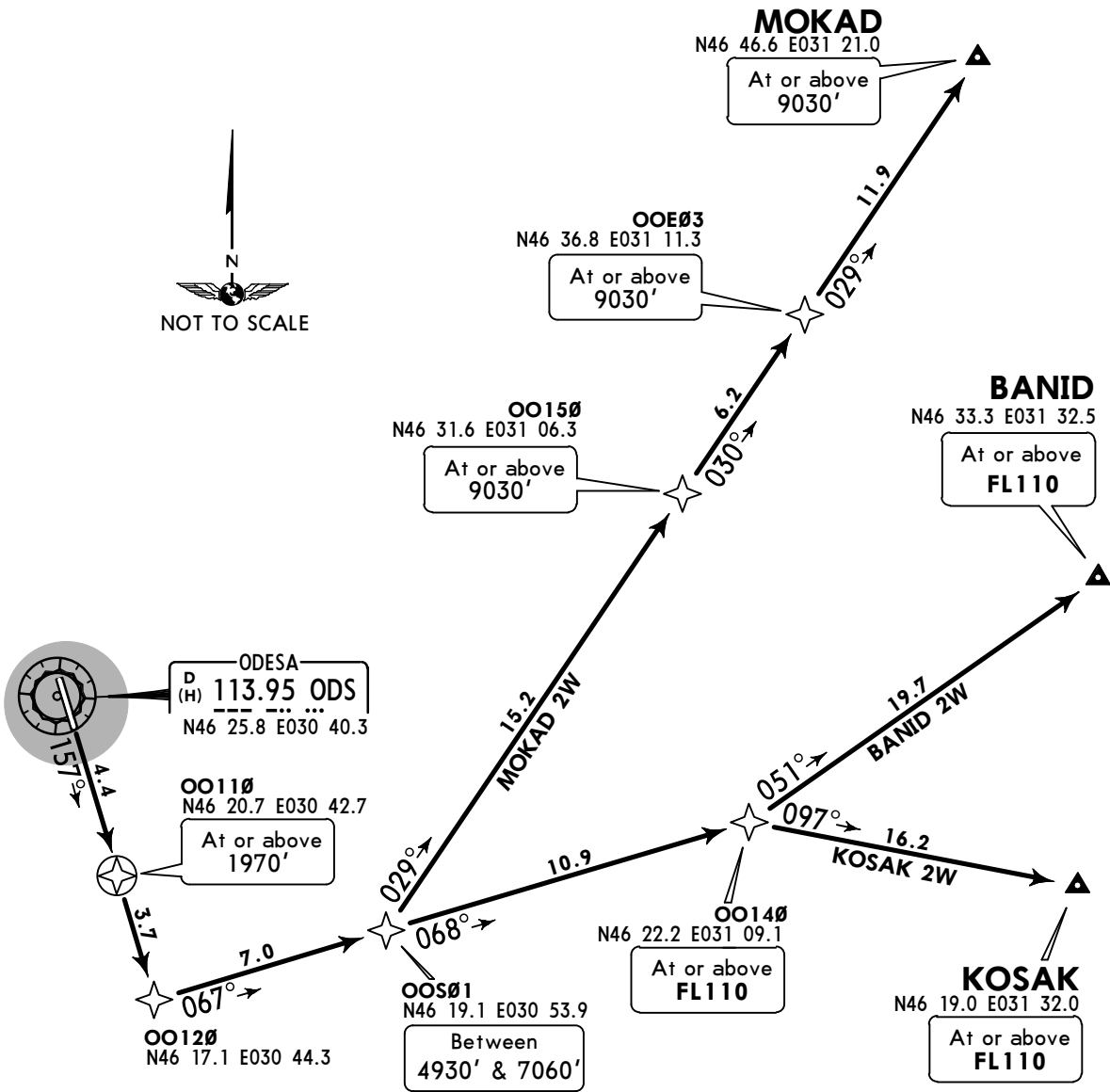
ODESA, UKRAINE
RNAV SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.



BANID TWO WHISKEY (BANID 2W) [BANI2W]
KOSAK TWO WHISKEY (KOSAK 2W) [KOSA2W]
MOKAD TWO WHISKEY (MOKAD 2W) [MOKA2W]
RWY 16 RNAV DEPARTURES



These SIDs require a minimum climb gradient of
BANID 2W, KOSAK 2W: 7% up to FL110.
MOKAD 2W: 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
7060'	- 2150m
9030'	- 2750m
10010'	- 3050m

SID	ROUTING
BANID 2W	OO110 (1970'+) - OO120 - OOS01 (4930'+; 7060-) - OO140 (FL110+) - BANID (FL110+).
KOSAK 2W	OO110 (1970'+) - OO120 - OOS01 (4930'+; 7060-) - OO140 (FL110+) - KOSAK (FL110+).
MOKAD 2W	OO110 (1970'+) - OO120 - OOS01 (4930'+; 7060-) - OO150 (9030'+) - OOE03 (9030'+) - MOKAD (9030'+).

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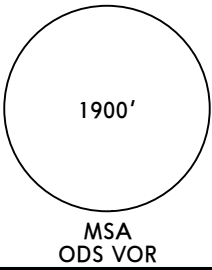
UK00/ODS
ODESA

JEPPESEN
10 JUN 16 (10-3D) Eff 23 Jun

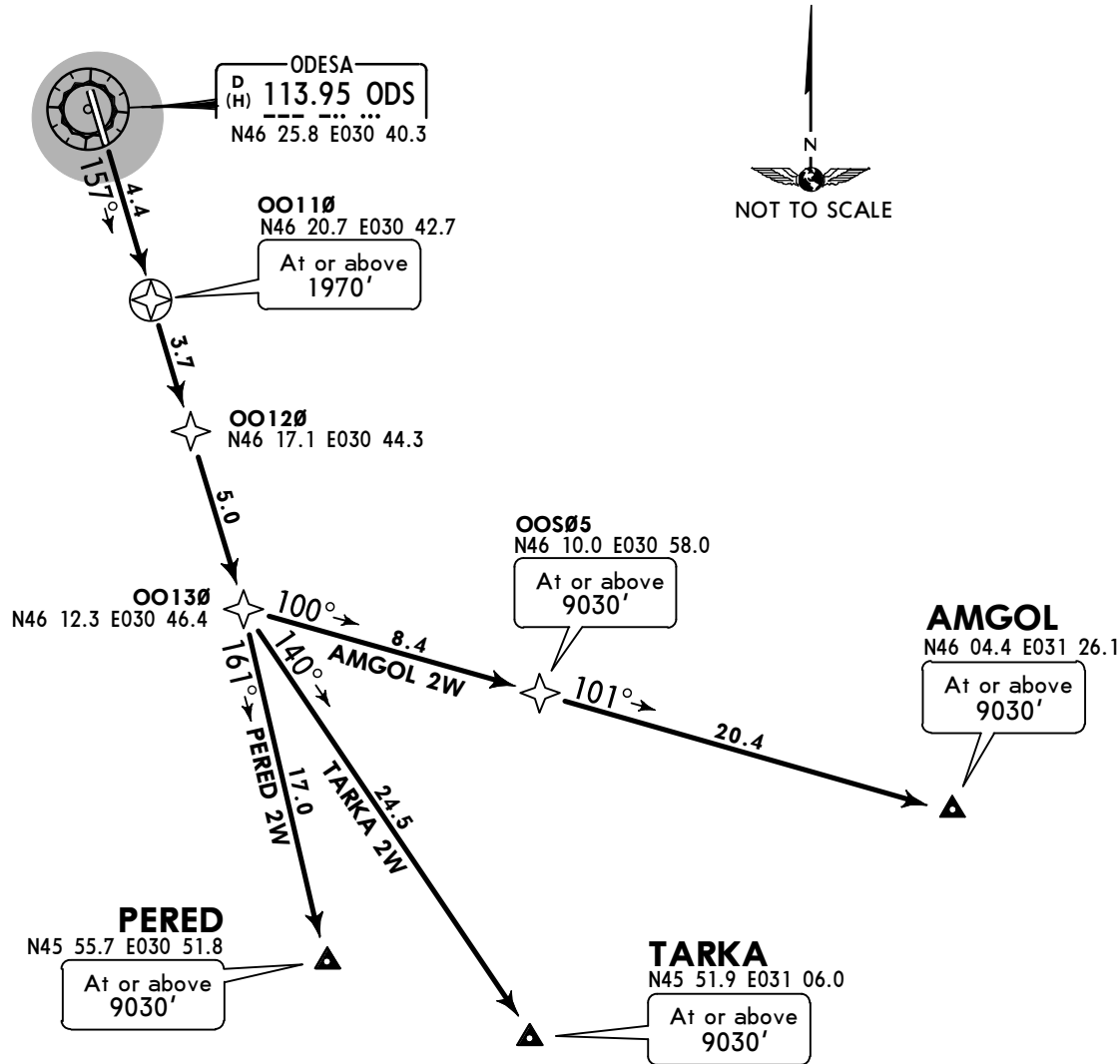
ODESA, UKRAINE
RNAV SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.



AMGOL TWO WHISKEY (AMGOL 2W) [AMGO2W]
PERED TWO WHISKEY (PERED 2W) [PERE2W]
TARKA TWO WHISKEY (TARKA 2W) [TARK2W]
RWY 16 RNAV DEPARTURES



These SIDs require a minimum climb gradient of

AMGOL 2W: 7% up to 9030'.
PERED 2W, TARKA 2W: 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
9030'	- 2750m
10010'	- 3050m

SID	ROUTING
AMGOL 2W	OO110 (1970'+) - OO120 - OO130 - OOS05 (9030'+) - AMGOL (9030'+).
PERED 2W	OO110 (1970'+) - OO120 - OO130 - PERED (9030'+).
TARKA 2W	OO110 (1970'+) - OO120 - OO130 - TARKA (9030'+).

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ODESA

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10 JUN 16 10-3E Eff 23 Jun

ODESA, UKRAINE
RNAV SID

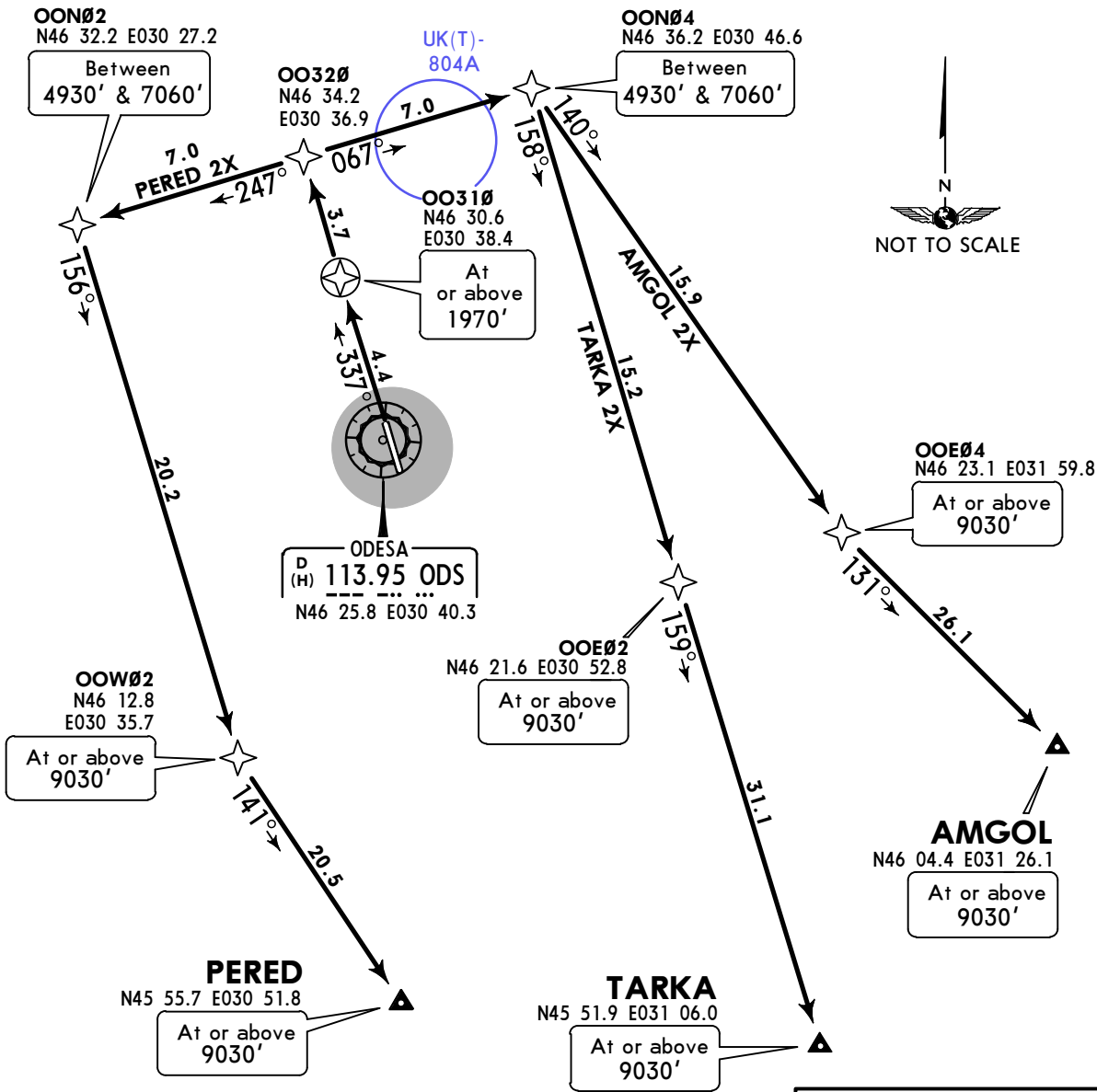
Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.
3. EXPECT close-in obstacles.
4. Activities within UK(T)-804A not authorized without prior coordination with ATC.

1900'

MSA
ODS VOR

AMGOL TWO X-RAY (AMGOL 2X) [AMGO2X]
PERED TWO X-RAY (PERED 2X) [PERE2X]
TARKA TWO X-RAY (TARKA 2X) [TARK2X]
RWY 34 RNAV DEPARTURES



These SIDs require a minimum climb gradient of 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
7060'	- 2150m
9030'	- 2750m
10010'	- 3050m

SID	ROUTING
AMGOL 2X	OO310 (1970'+) - OO320 - OON04 (4930'+;7060'-) - OOE04 (9030'+) - AMGOL (9030'+).
PERED 2X	OO310 (1970'+) - OO320 - OON02 (4930'+;7060'-) - OOW02 (9030'+) - PERED (9030'+).
TARKA 2X	OO310 (1970'+) - OO320 - OON04 (4930'+;7060'-) - OOE02 (9030'+) - TARKA (9030'+).

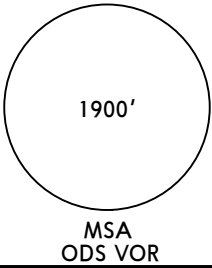
UK00/ODS
ODESA

JEPPESEN
6 NOV 15 10-3F Eff 12 Nov

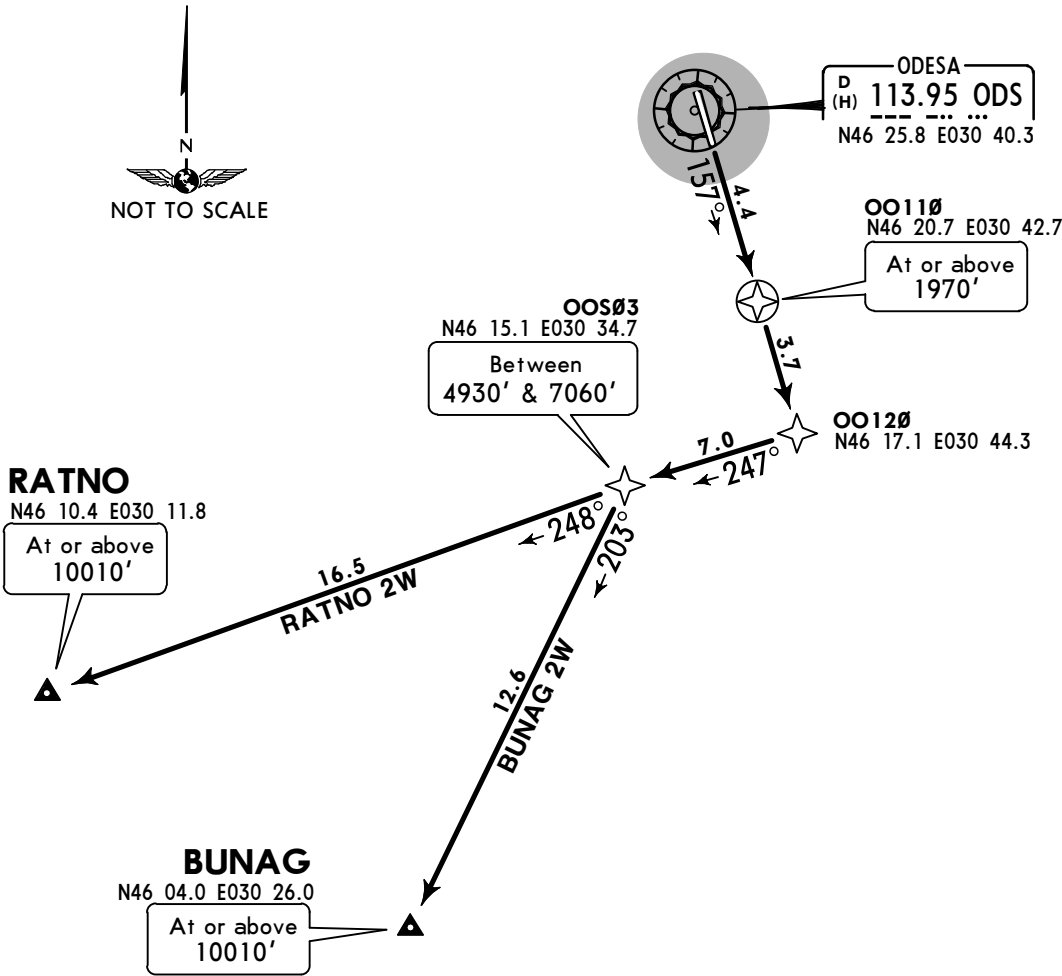
ODESA, UKRAINE
RNAV SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.



BUNAG TWO WHISKEY (BUNAG 2W) [BUNA2W]
RATNO TWO WHISKEY (RATNO 2W) [RATN2W]
RWY 16 RNAV DEPARTURES



These SIDs require minimum climb gradients
of

BUNAG 2W: 7% up to 4930', then
5.5% up to 10010'.

RATNO 2W: 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
5.5% V/V (fpm)	418	557	835	1114	1392	1671
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

FT/METER CONVERSION

QNH	
1970'	- 600m
4930'	- 1500m
7060'	- 2150m
10010'	- 3050m

SID	ROUTING
BUNAG 2W	OO110 (1970'+) - OO120 - OOS03 (4930'+; 7060'-) - BUNAG (10010'+).
RATNO 2W	OO110 (1970'+) - OO120 - OOS03 (4930'+; 7060'-) - RATNO (10010'+).

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6 NOV 15 **10-3G** **Eff 12 Nov**

ODESA, UKRAINE
RNAV SID

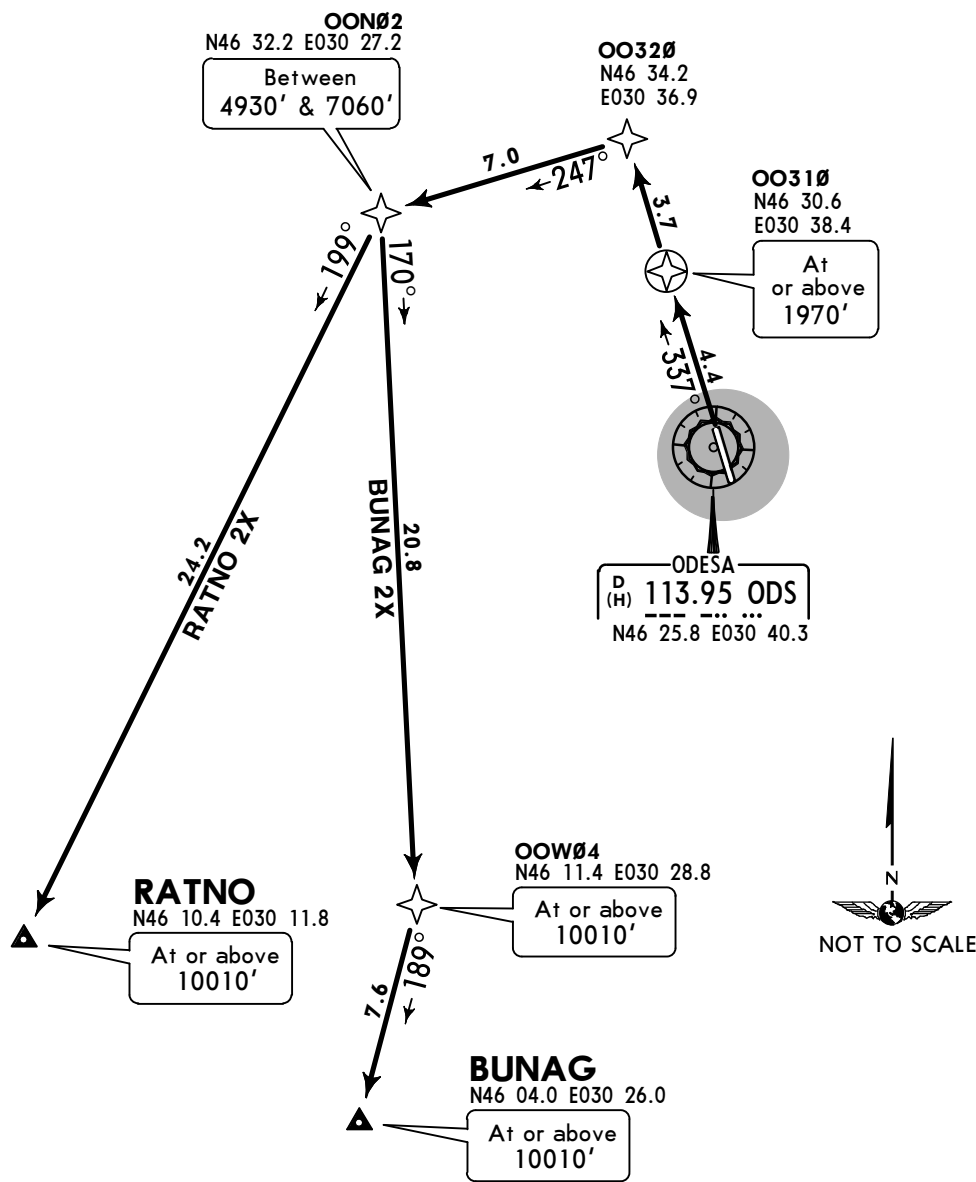
Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.
3. EXPECT close-in obstacles.

1900'

MSA
ODS VOR

BUNAG TWO X-RAY (BUNAG 2X) [BUNA2X]
RATNO TWO X-RAY (RATNO 2X) [RATN2X]
RWY 34 RNAV DEPARTURES



These SIDs require a minimum climb gradient of 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
7060'	- 2150m
10010'	- 3050m

SID	ROUTING
BUNAG 2X	OO310 (1970'+) - OO320 - OON02 (4930'+; 7060'-) - OOW04 (10010'+) - BUNAG (10010'+).
RATNO 2X	OO310 (1970'+) - OO320 - OON02 (4930'+; 7060'-) - RATNO (10010'+).

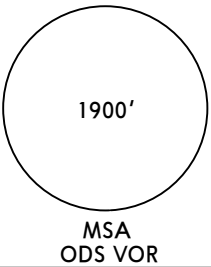
UK00/ODS
ODESA

JEPPESEN
6 NOV 15 10-3H Eff 12 Nov

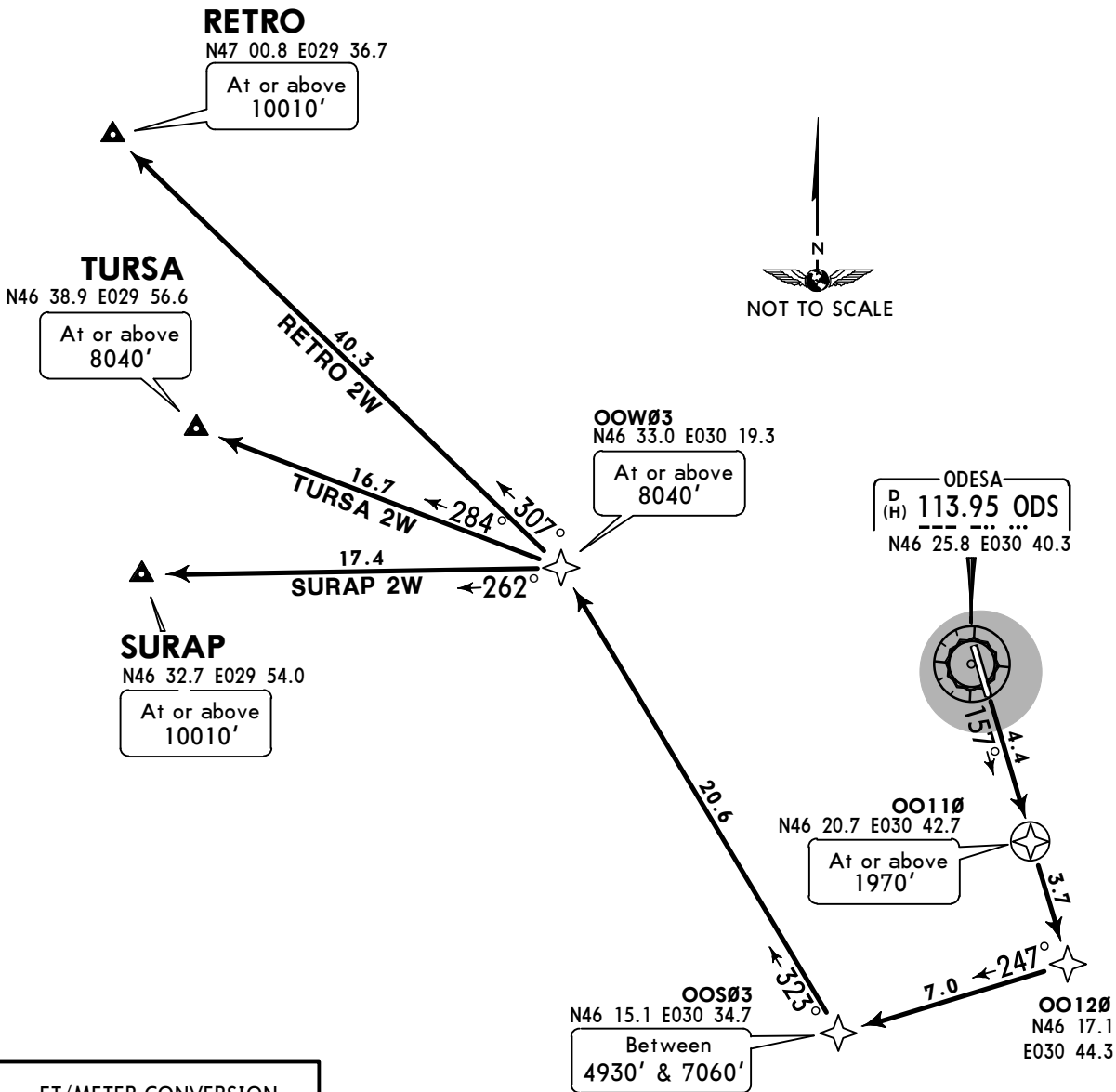
ODESA, UKRAINE
RNAV SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.



RETRO TWO WHISKEY (RETRO 2W)[RETR2W]
SURAP TWO WHISKEY (SURAP 2W)[SURA2W]
TURSA TWO WHISKEY (TURSA 2W)[TURS2W]
RWY 16 RNAV DEPARTURES



FT/METER CONVERSION	
QNH	
1970'	600m
4930'	1500m
7060'	2150m
8040'	2450m
10010'	3050m

These SIDs require a minimum climb gradient of 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

SID	ROUTING
RETRO 2W	OO110 (1970'+) - OO120 - OOS03 (4930'+; 7060-) - OOW03 (8040'+) - RETRO (10010'+).
SURAP 2W	OO110 (1970'+) - OO120 - OOS03 (4930'+; 7060-) - OOW03 (8040'+) - SURAP (10010'+).
TURSA 2W	OO110 (1970'+) - OO120 - OOS03 (4930'+; 7060-) - OOW03 (8040'+) - TURSA (8040'+).

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JEPPESEN
6 NOV 15 (10-3J) Eff 12 Nov

ODESA, UKRAINE
RNAV SID

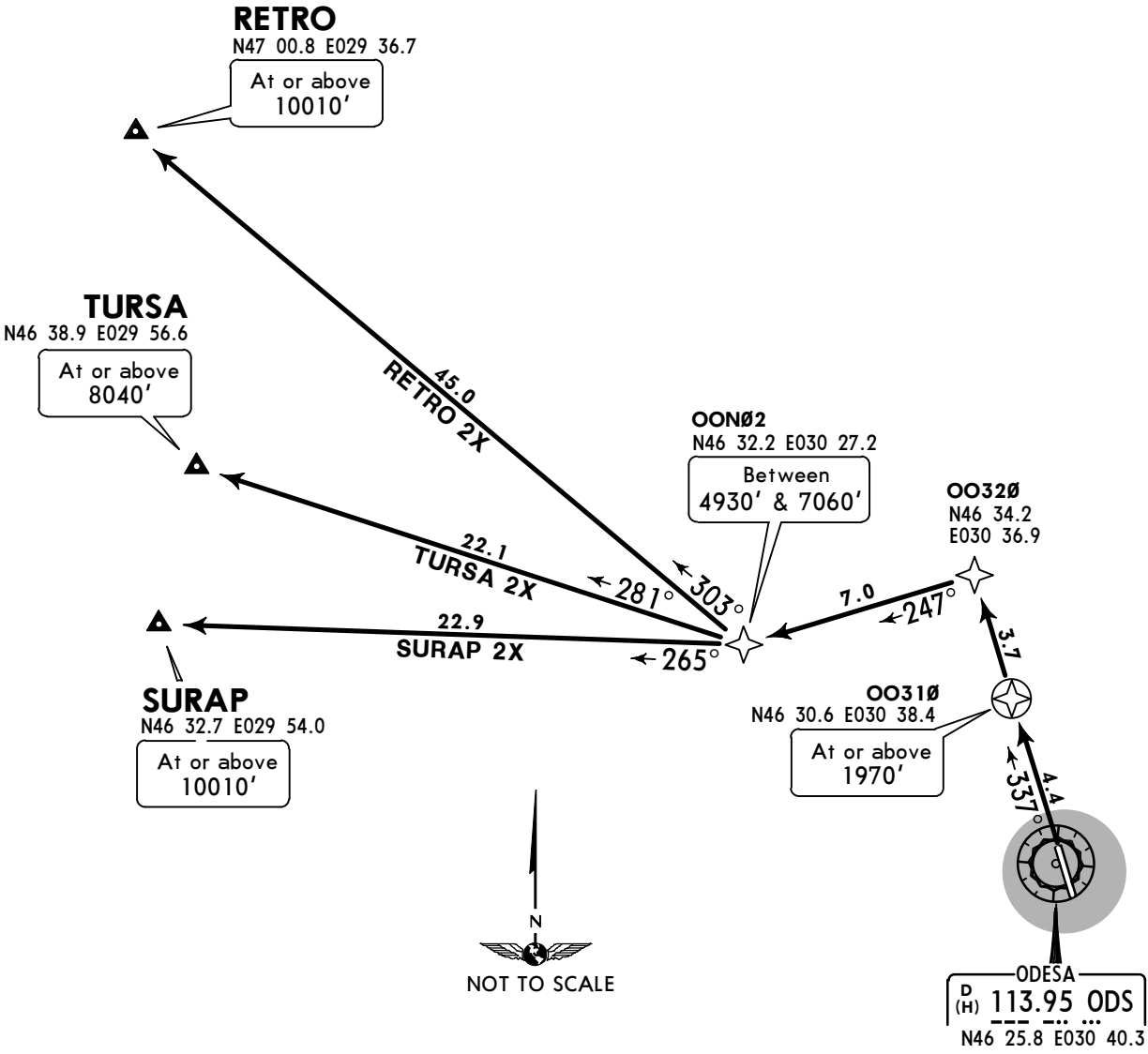
Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. RNAV 1 (GNSS).
2. RNAV 1 (P-RNAV) approval required, otherwise advise ATC.
3. EXPECT close-in obstacles.

1900'

MSA
ODS VOR

RETRO TWO X-RAY (RETRO 2X) [RETR2X]
SURAP TWO X-RAY (SURAP 2X) [SURA2X]
TURSA TWO X-RAY (TURSA 2X) [TURS2X]
RWY 34 RNAV DEPARTURES



These SIDs require a minimum climb gradient of 7% up to 4930'.

Gnd speed-KT	75	100	150	200	250	300
7.0% V/V (fpm)	532	709	1063	1418	1772	2127

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
7060'	- 2150m
8040'	- 2450m
10010'	- 3050m

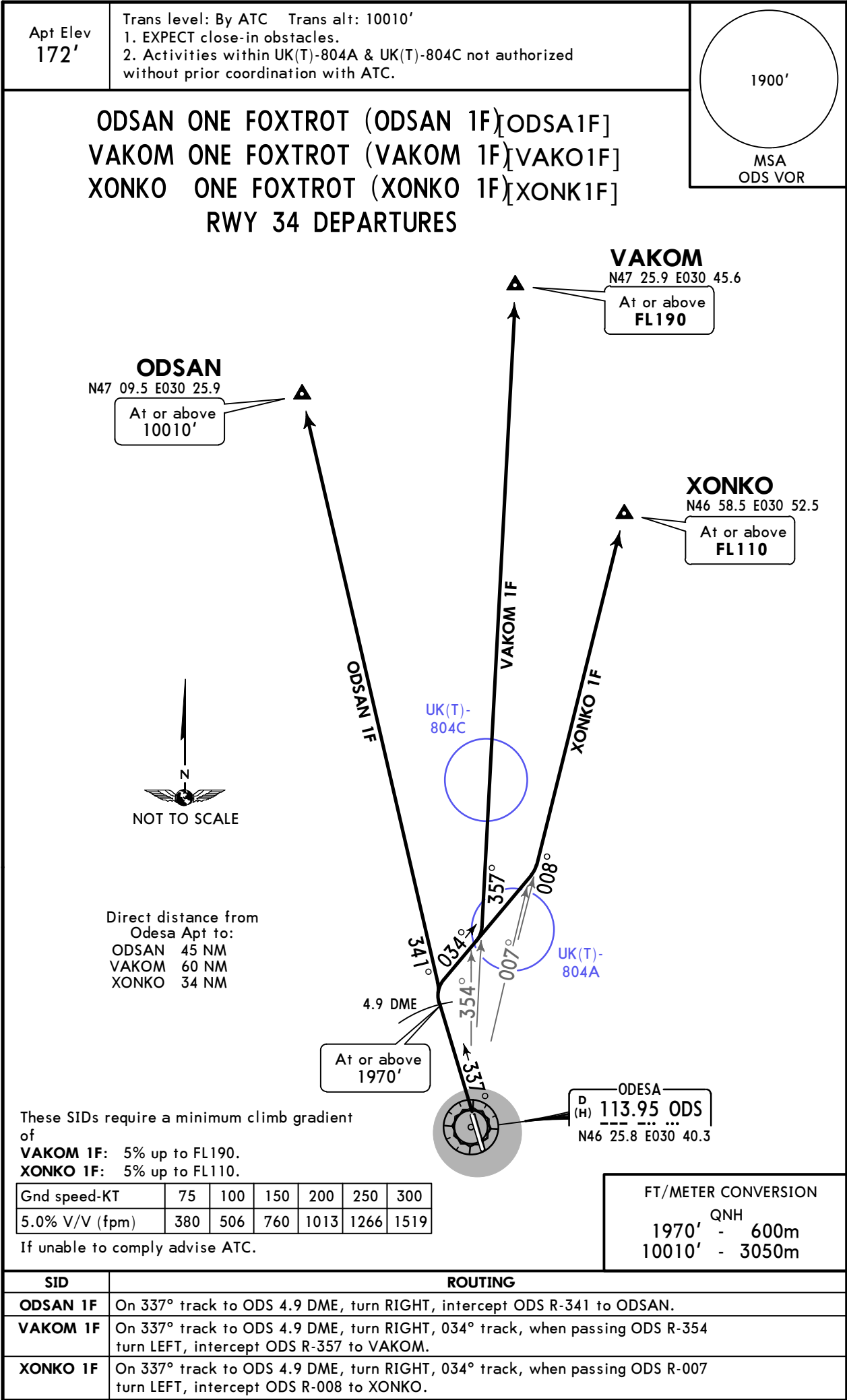
SID	ROUTING
RETRO 2X	OO310 (1970'+) - OO320 - OON02 (4930'+; 7060-) - RETRO (10010'+).
SURAP 2X	OO310 (1970'+) - OO320 - OON02 (4930'+; 7060-) - SURAP (10010'+).
TURSA 2X	OO310 (1970'+) - OO320 - OON02 (4930'+; 7060-) - TURSA (8040'+).

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10 JUN 16 10-3L Eff 23 Jun

ODESA, UKRAINE
SID



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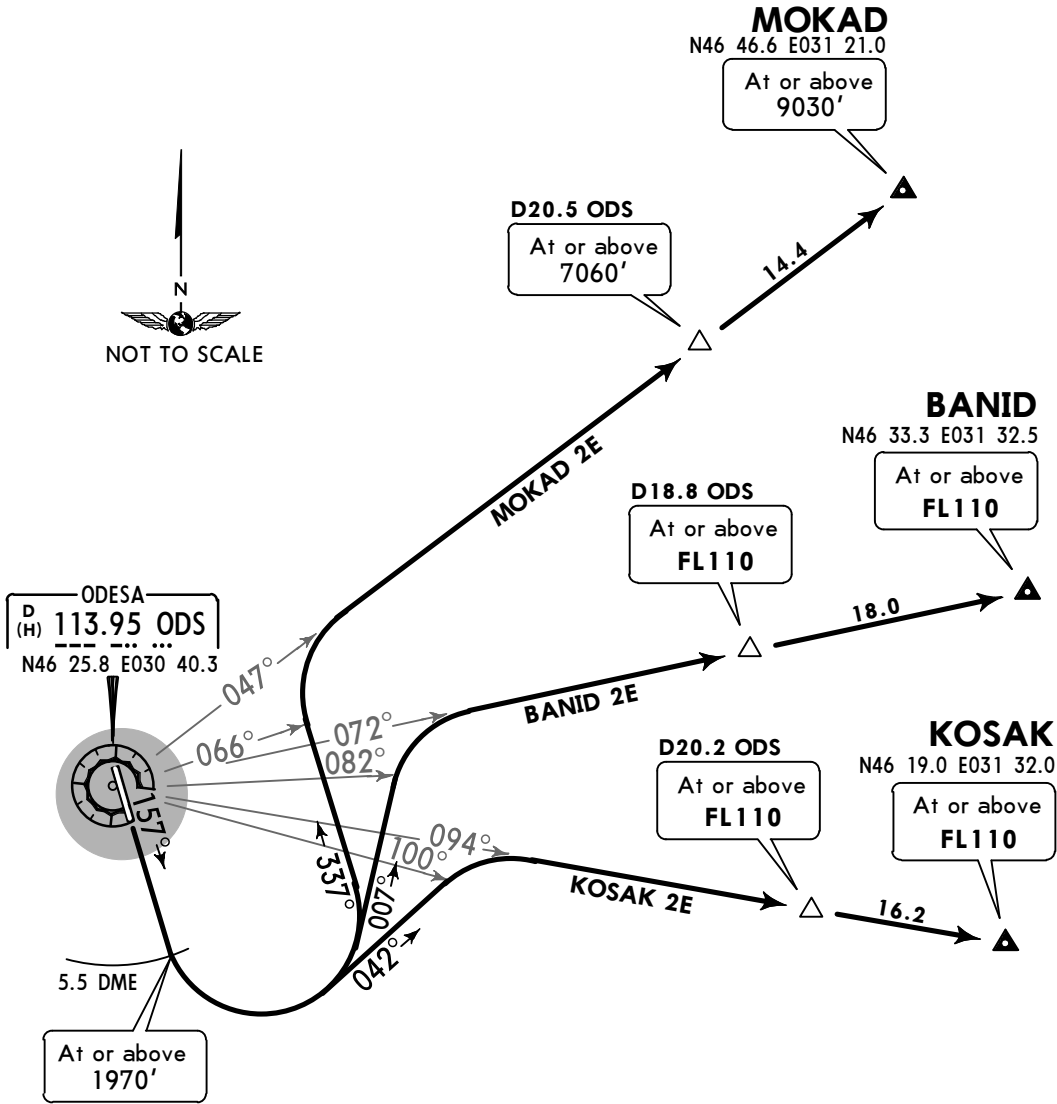
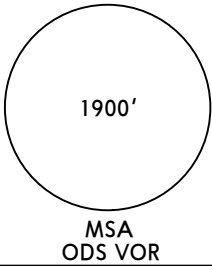
JEPPESEN
10 JUN 16 10-3M Eff 23 Jun

ODESA, UKRAINE
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'

BANID TWO ECHO (BANID 2E) [BANI2E]
KOSAK TWO ECHO (KOSAK 2E) [KOSA2E]
MOKAD TWO ECHO (MOKAD 2E) [MOKA2E]
RWY 16 DEPARTURES



BANID 2E, KOSAK 2E

These SIDs require a minimum climb gradient of 7.2% up to FL110.

Gnd speed-KT	75	100	150	200	250	300
7.2% V/V (fpm)	547	729	1094	1458	1823	2187

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
7060'	- 2150m
9030'	- 2750m
10010'	- 3050m

SID	ROUTING
BANID 2E	On 157° track to ODS 5.5 DME, turn LEFT, 007° track, when passing ODS R-082 turn RIGHT, intercept ODS R-072 to BANID.
KOSAK 2E	On 157° track to ODS 5.5 DME, turn LEFT, 042° track, when passing ODS R-100 turn RIGHT, intercept ODS R-094 to KOSAK.
MOKAD 2E	On 157° track to ODS 5.5 DME, turn LEFT, 337° track, when passing ODS R-066 turn RIGHT, intercept ODS R-047 to MOKAD.

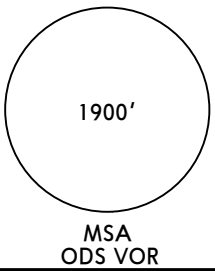
UK00/ODS
ODESA

JEPPESEN
10 JUN 16 10-3N Eff 23 Jun

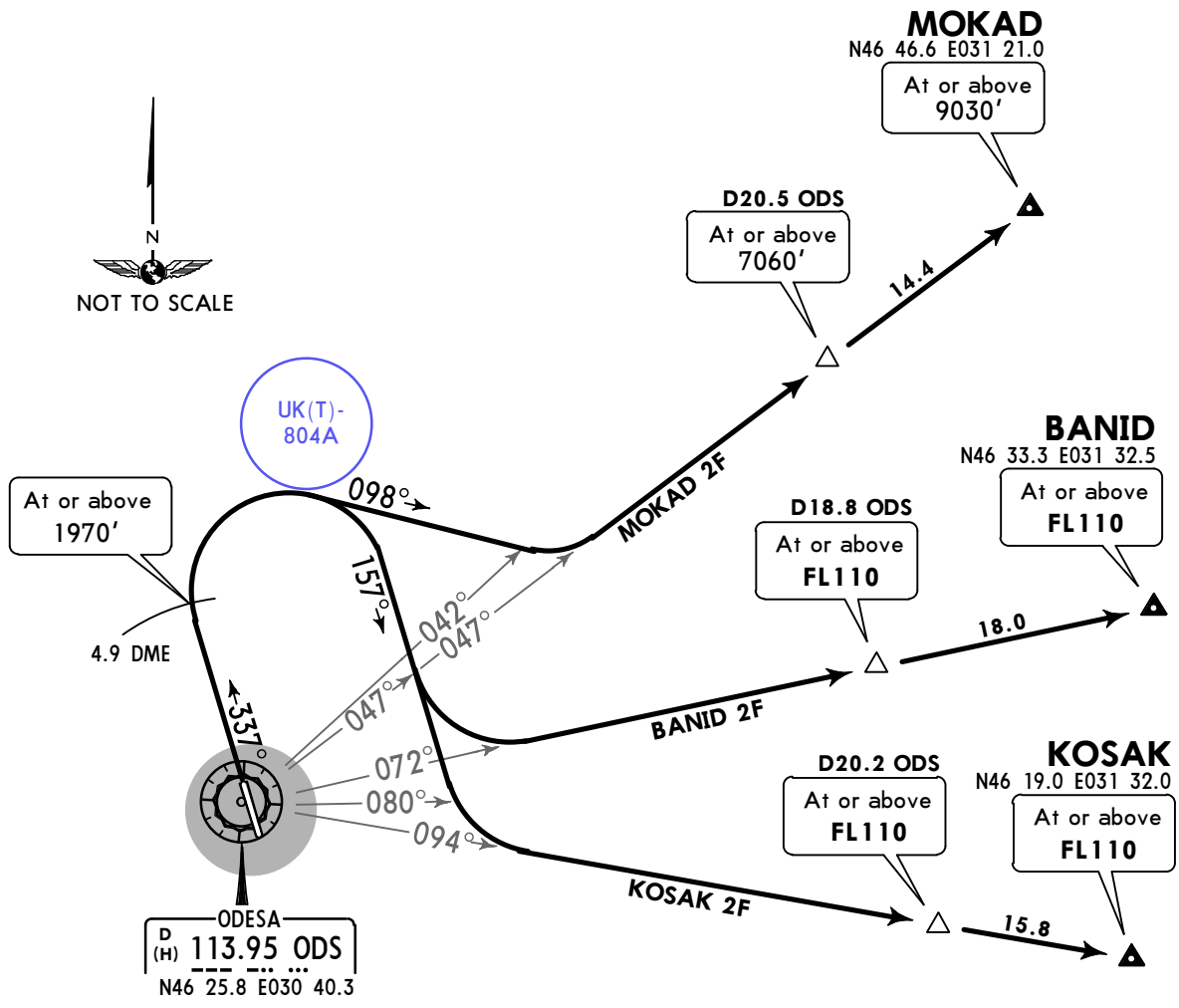
ODESA, UKRAINE
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. EXPECT close-in obstacles.
2. Activities within UK(T)-804A not authorized without prior coordination with ATC.



BANID TWO FOXTROT (BANID 2F) [BANI2F]
KOSAK TWO FOXTROT (KOSAK 2F) [KOSA2F]
MOKAD TWO FOXTROT (MOKAD 2F) [MOKA2F]
RWY 34 DEPARTURES



BANID 2F, KOSAK 2F
These SIDs require a minimum climb gradient of 6% up to FL110.

Gnd speed-KT	75	100	150	200	250	300
6.0% V/V (fpm)	456	608	911	1215	1519	1823

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
7060'	- 2150m
9030'	- 2750m
10010'	- 3050m

SID	ROUTING
BANID 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 157° track, when passing ODS R-047 turn LEFT, intercept ODS R-072 to BANID.
KOSAK 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 157° track, when passing ODS R-080 turn LEFT, intercept ODS R-094 to KOSAK.
MOKAD 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 098° track, when passing ODS R-042 turn LEFT, intercept ODS R-047 to MOKAD.

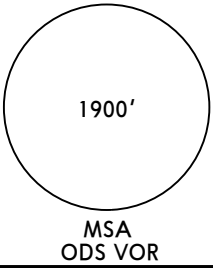
UK00/ODS
ODESA

JEPPESEN
10 JUN 16 10-3P Eff 23 Jun

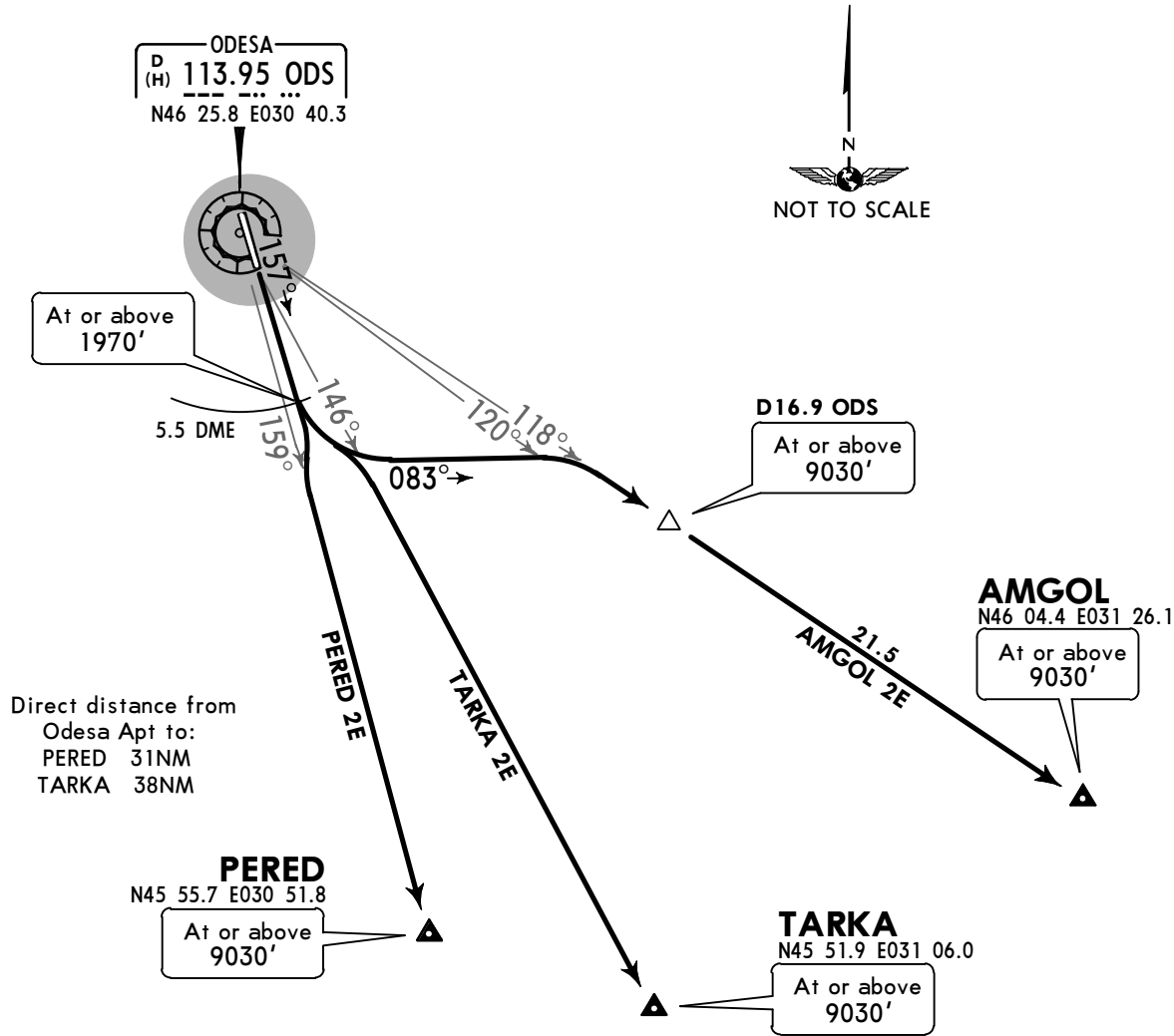
ODESA, UKRAINE
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'



AMGOL TWO ECHO (AMGOL 2E) [AMGO2E]
PERED TWO ECHO (PERED 2E) [PERE2E]
TARKA TWO ECHO (TARKA 2E) [TARK2E]
RWY 16 DEPARTURES



AMGOL 2E
This SID requires a minimum climb gradient of 8% up to 9030'.

Gnd speed-KT	75	100	150	200	250	300
8.0% V/V (fpm)	608	810	1215	1620	2025	2430

If unable to comply advise ATC.

FT/METER CONVERSION	
QNH	
1970'	- 600m
9030'	- 2750m
10010'	- 3050m

SID	ROUTING
AMGOL 2E	On 157° track to ODS 5.5 DME, turn LEFT, 083° track, when passing ODS R-120 turn RIGHT, intercept ODS R-118 to AMGOL.
PERED 2E	On 157° track to ODS 5.5 DME, turn RIGHT, intercept ODS R-159 to PERED.
TARKA 2E	On 157° track to ODS 5.5 DME, turn LEFT, intercept ODS R-146 to TARKA.

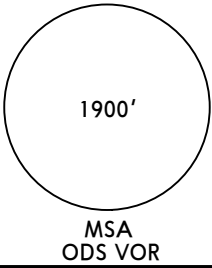
UK00/ODS
ODESA

JEPPESEN
10 JUN 16 10-3Q Eff 23 Jun

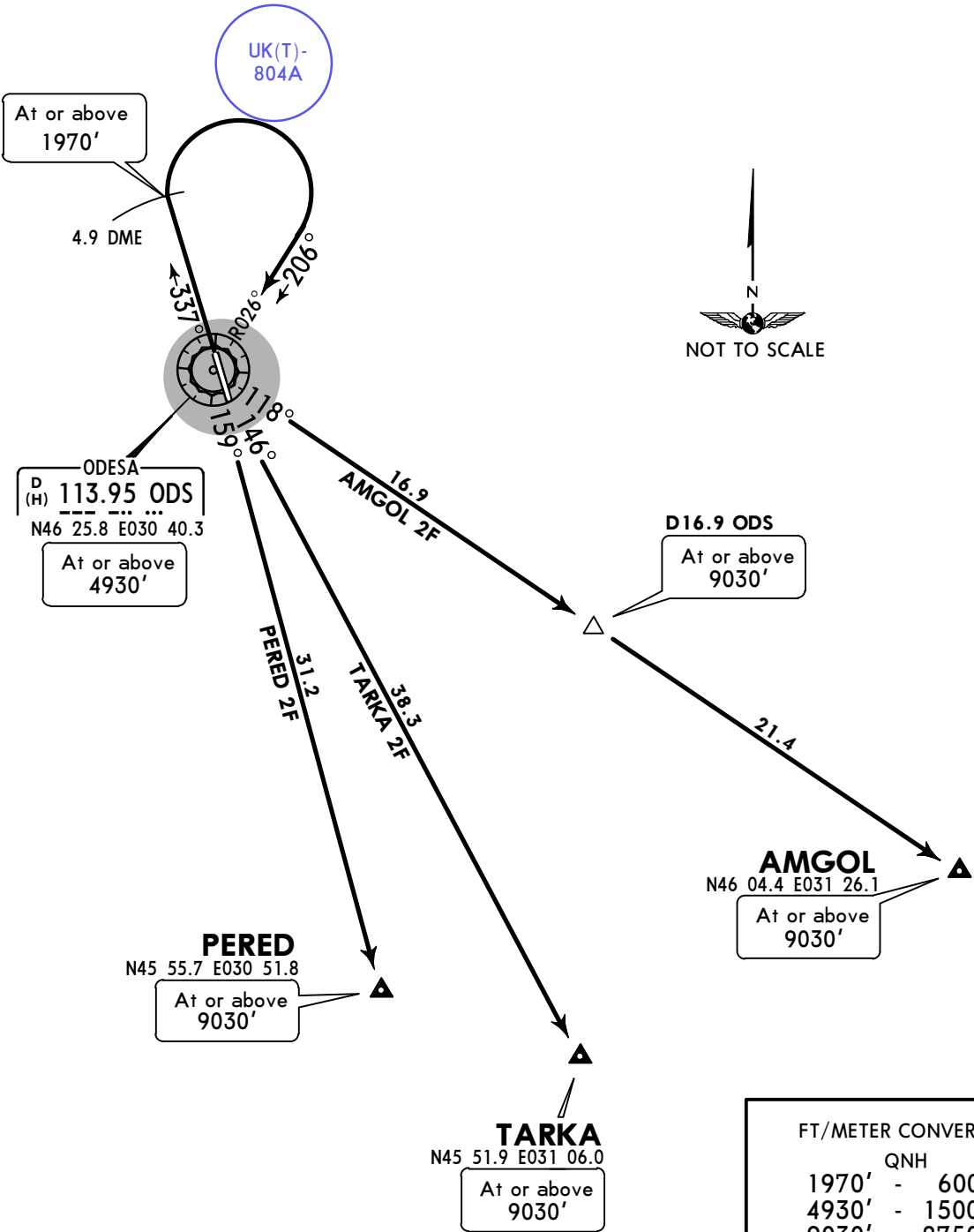
ODESA, UKRAINE
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. EXPECT close-in obstacles
2. Activities within UK(T)-804A not authorized without prior coordination with ATC.



AMGOL TWO FOXTROT (AMGOL 2F) [AMGO2F]
PERED TWO FOXTROT (PERED 2F) [PERE2F]
TARKA TWO FOXTROT (TARKA 2F) [TARK2F]
RWY 34 DEPARTURES



FT/METER CONVERSION	
	QNH
1970'	- 600m
4930'	- 1500m
9030'	- 2750m
10010'	- 3050m

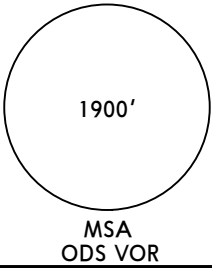
SID	ROUTING
AMGOL 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 206° track to ODS, turn LEFT, ODS R-118 to AMGOL.
PERED 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 206° track to ODS, turn LEFT, ODS R-159 to PERED.
TARKA 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 206° track to ODS, turn LEFT, ODS R-146 to TARKA.

UK00/ODS
ODESA

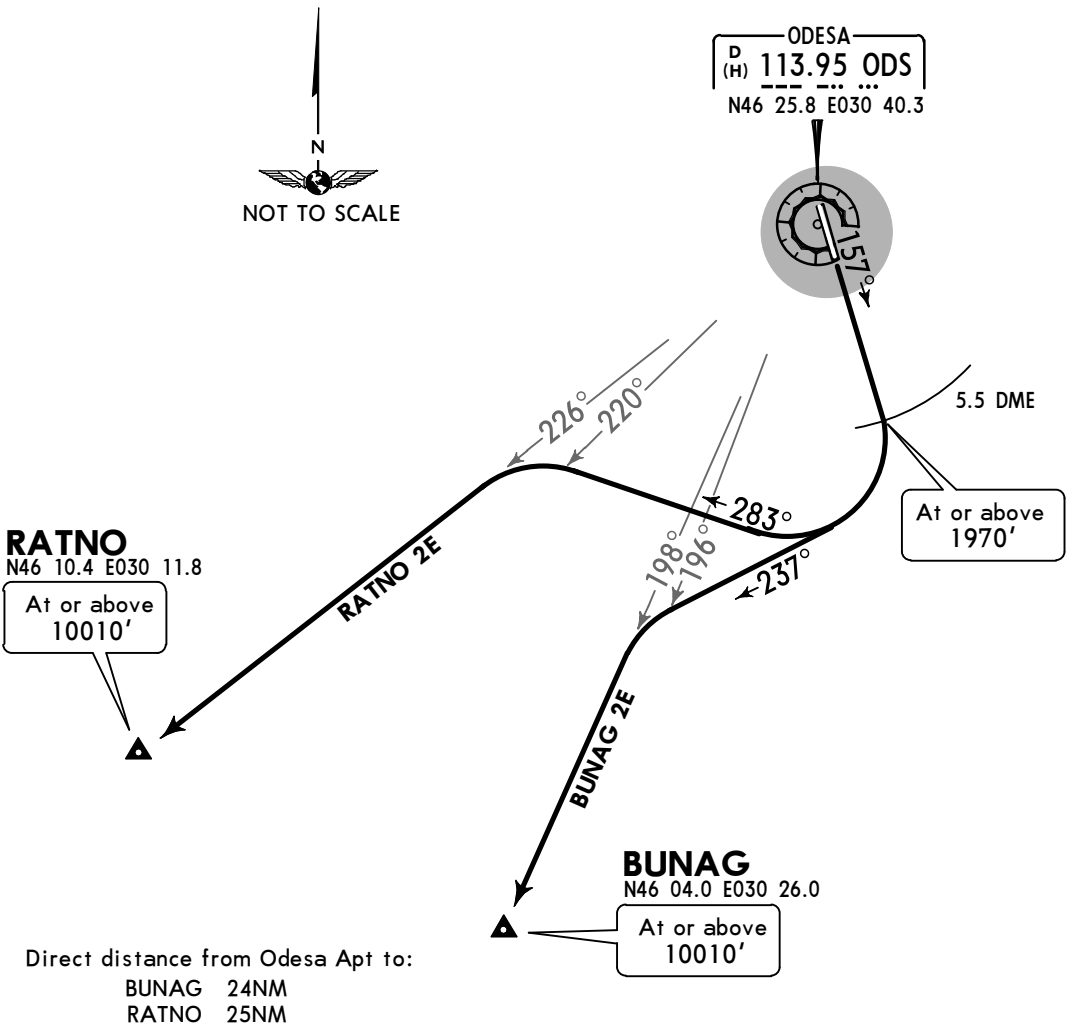
JEPPESEN
10 JUN 16 10-3S Eff 23 Jun

ODESA, UKRAINE
SID

Apt Elev 172'
Trans level: By ATC Trans alt: 10010'



BUNAG TWO ECHO (BUNAG 2E)[BUNA2E]
RATNO TWO ECHO (RATNO 2E) [RATN2E]
RWY 16 DEPARTURES



BUNAG 2E
This SID requires a minimum climb gradient of 6.5% up to 10010'.

Gnd speed-KT	75	100	150	200	250	300
6.5% V/V (fpm)	494	658	987	1316	1646	1975

If unable to comply advise ATC.

FT/METER CONVERSION
QNH
1970' - 600m
10010' - 3050m

SID	ROUTING
BUNAG 2E	On 157° track to ODS 5.5 DME, turn RIGHT, 237° track, when passing ODS R-196 turn LEFT, intercept ODS R-198 to BUNAG.
RATNO 2E	On 157° track to ODS 5.5 DME, turn RIGHT, 283° track, when passing ODS R-220 turn LEFT, intercept ODS R-226 to RATNO.

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ODESA

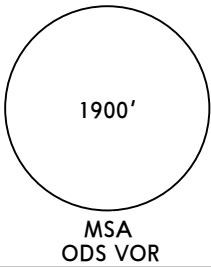
JEPPESEN
10 JUN 16 10-3T Eff 23 Jun

ODESA, UKRAINE

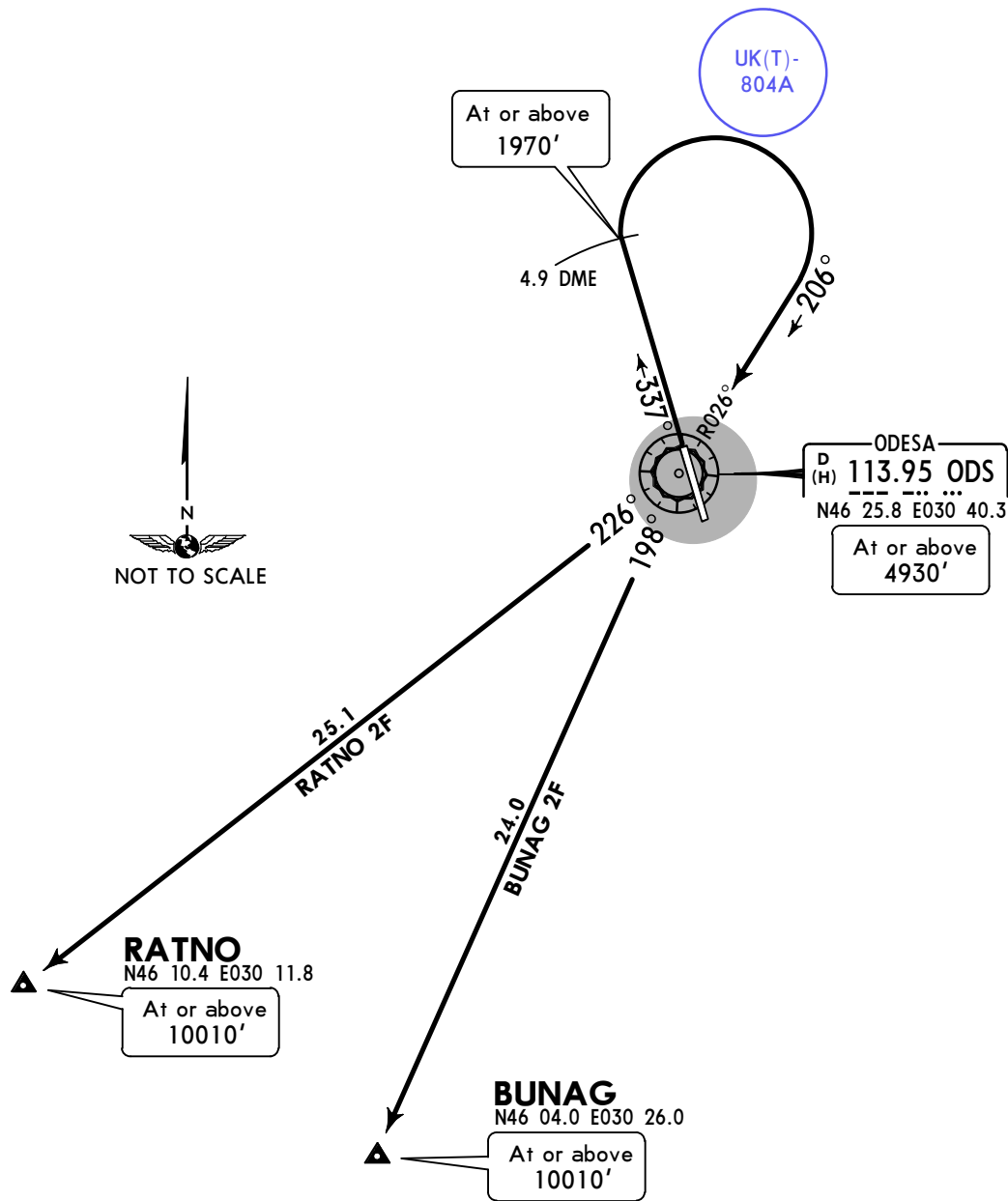
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
1. EXPECT close-in obstacles.
2. Activities within UK(T)-804A not authorized without prior coordination with ATC.



BUNAG TWO FOXTROT (BUNAG 2F) [BUNA2F]
RATNO TWO FOXTROT (RATNO 2F) [RATN2F]
RWY 34 DEPARTURES



FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
10010'	- 3050m

SID	ROUTING
BUNAG 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 206° track to ODS, turn LEFT, ODS R-198 to BUNAG.
RATNO 2F	On 337° track to ODS 4.9 DME, turn RIGHT, 206° track to ODS, turn RIGHT, ODS R-226 to RATNO.

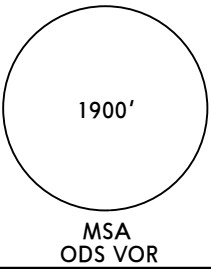
UK00/ODS
ODESA

JEPPESEN
6 NOV 15 **(10-3U)** **Eff 12 Nov**

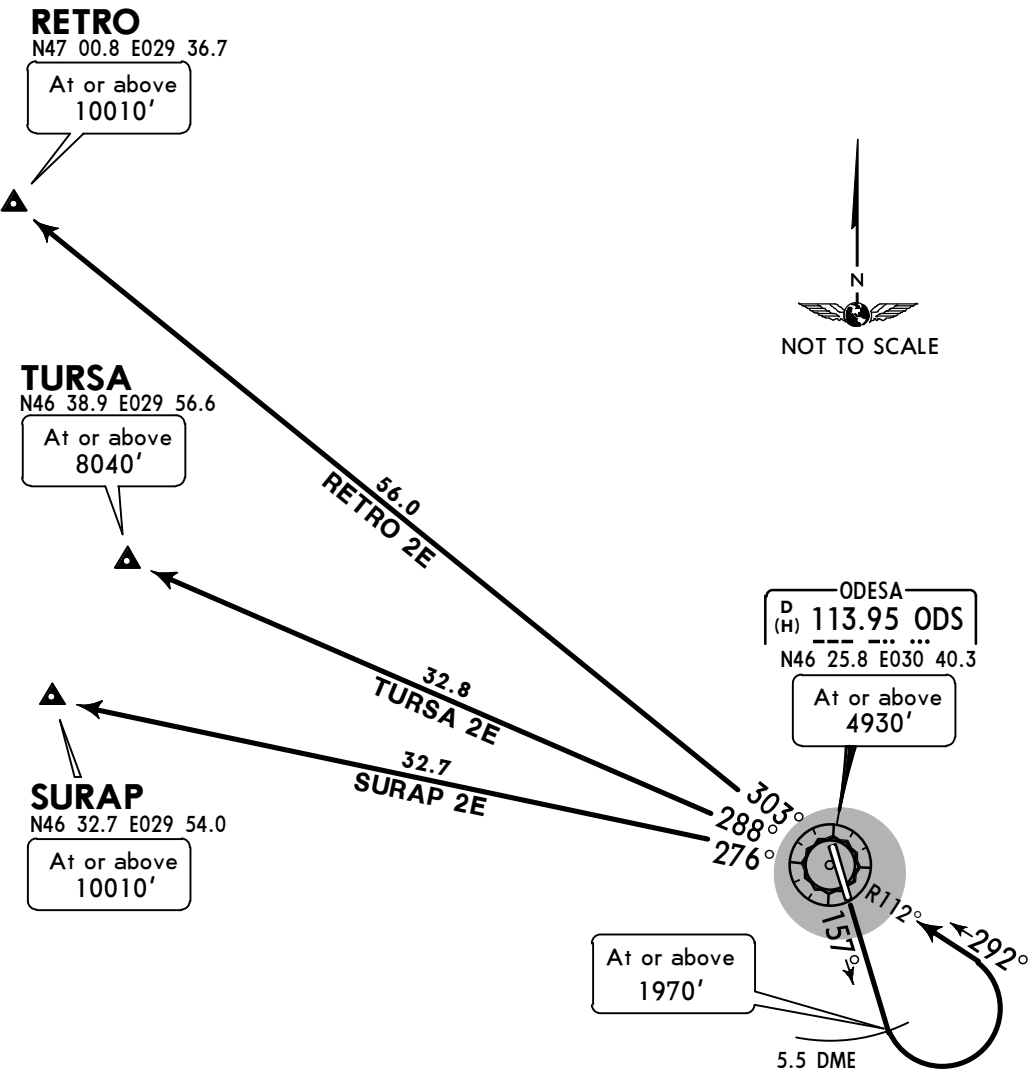
ODESA, UKRAINE
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'



RETRO TWO ECHO (RETRO 2E) [RETR2E]
SURAP TWO ECHO (SURAP 2E) [SURA2E]
TURSA TWO ECHO (TURSA 2E) [TURS2E]
RWY 16 DEPARTURES



FT/METER CONVERSION	
QNH	
1970'	- 600m
4930'	- 1500m
8040'	- 2450m
10010'	- 3050m

SID	ROUTING
RETRO 2E	On 157° track to ODS 5.5 DME, turn LEFT, 292° track to ODS, turn RIGHT, ODS R-303 to RETRO.
SURAP 2E	On 157° track to ODS 5.5 DME, turn LEFT, 292° track to ODS, turn LEFT, ODS R-276 to SURAP.
TURSA 2E	On 157° track to ODS 5.5 DME, turn LEFT, 292° track to ODS, turn LEFT, ODS R-288 to TURSA.

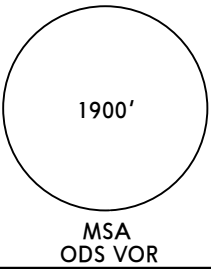
UK00/ODS
ODESA

JEPPESEN
6 NOV 15 10-3V Eff 12 Nov

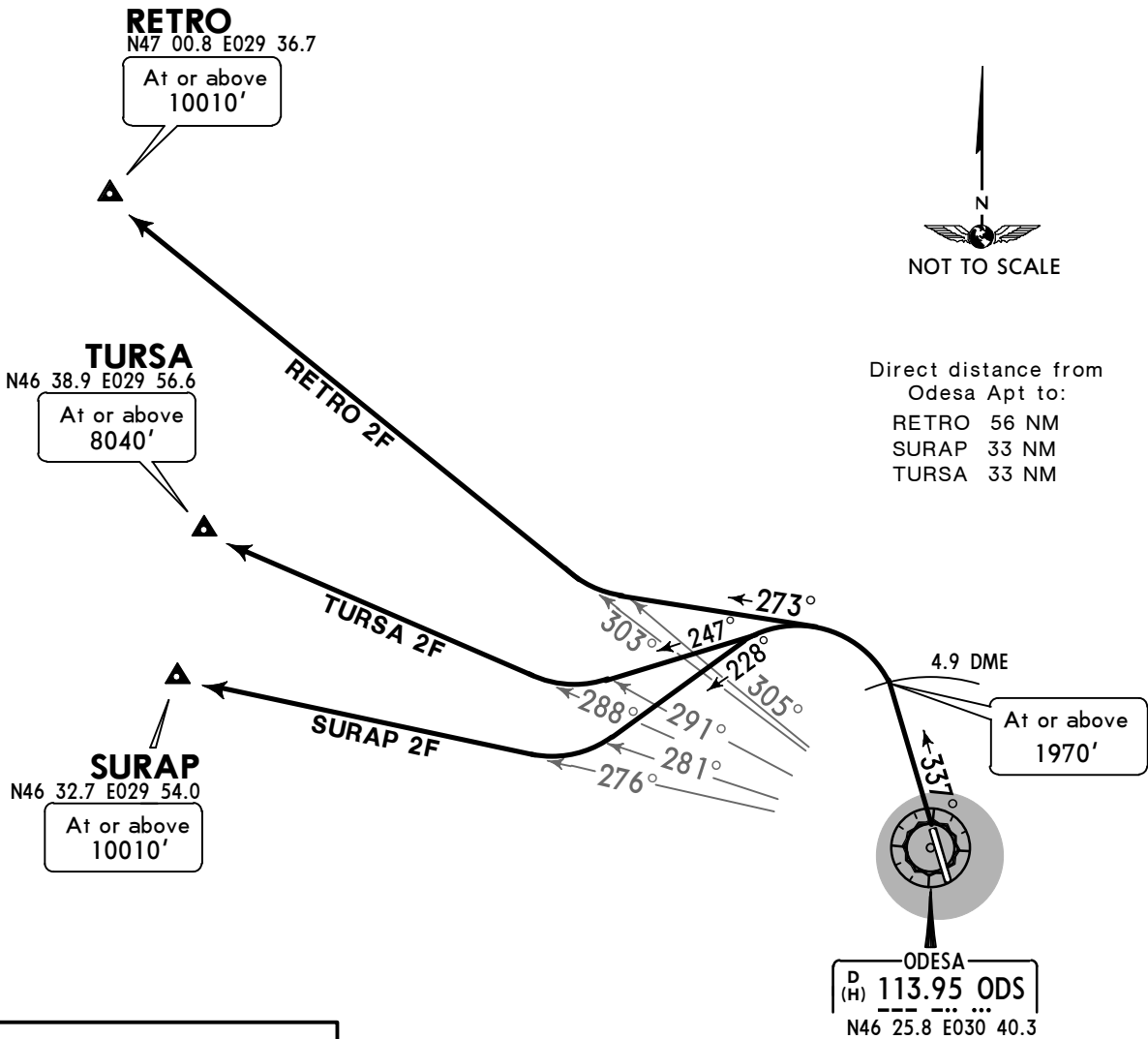
ODESA, UKRAINE
SID

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'
EXPECT close-in obstacles.



RETRO TWO FOXTROT (RETRO 2F) [RETR2F]
SURAP TWO FOXTROT (SURAP 2F) [SURA2F]
TURSA TWO FOXTROT (TURSA 2F) [TURS2F]
RWY 34 DEPARTURES



FT/METER CONVERSION	
QNH	
1970'	- 600m
8040'	- 2450m
10010'	- 3030m

SID	ROUTING
RETRO 2F	On 337° track to ODS 4.9 DME, turn LEFT, 273° track, whe passing ODS R-305 turn RIGHT, intercept ODS R-303 to RETRO.
SURAP 2F	On 337° track to ODS 4.9 DME, turn LEFT, 228° track, when passing ODS R-281 turn RIGHT, intercept ODS R-276 to SURAP.
TURSA 2F	On 337° track to ODS 4.9 DME, turn LEFT, 247° track, when passing ODS R-291 turn RIGHT, intercept ODS R-288 to TURSA.

UK00/ODS

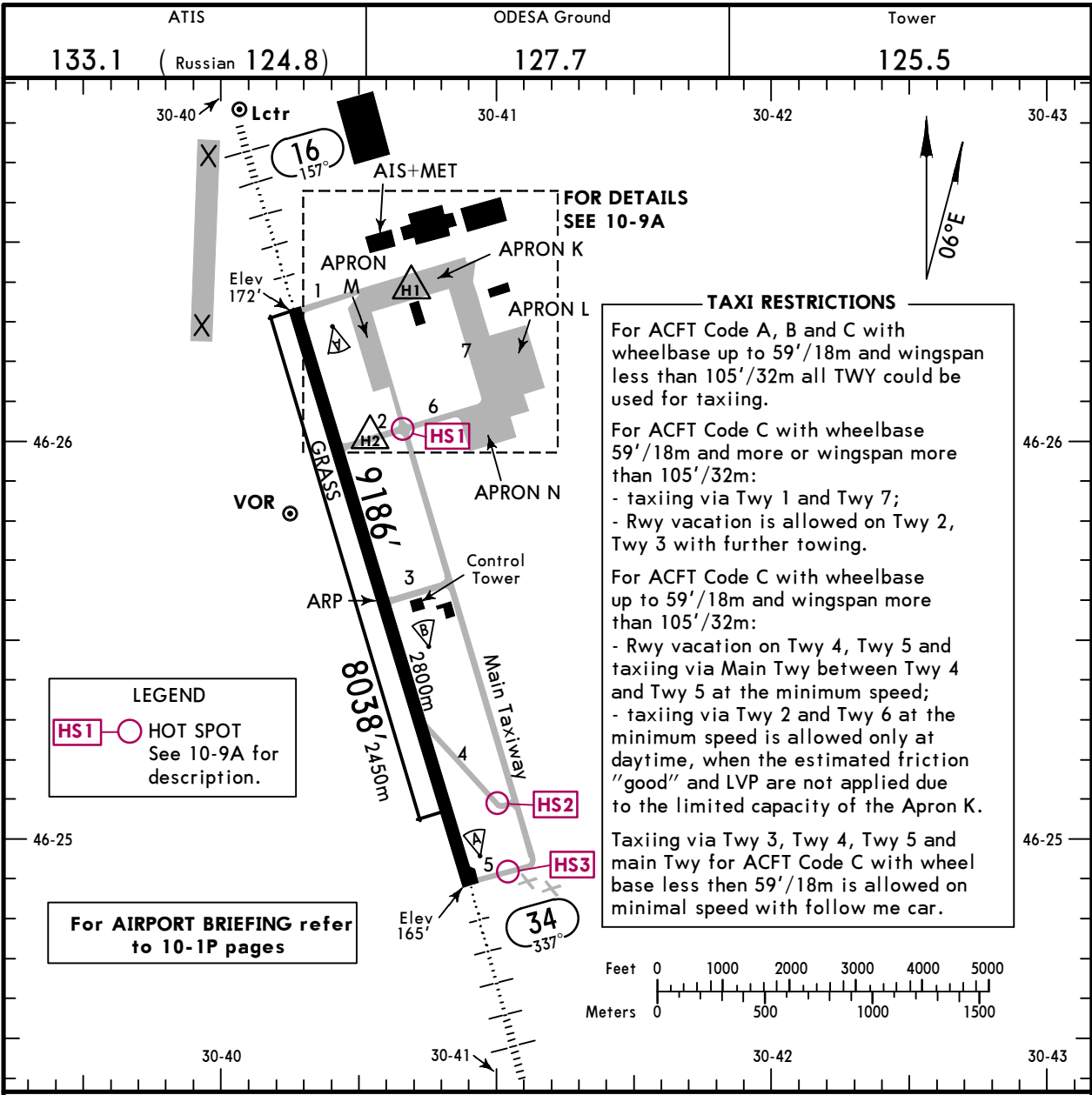
Apt Elev 171'
N46 25.6 E030 40.6

JEPPesen

25 JAN 19 (10-9)

ODESA, UKRAINE

ODESA



ADDITIONAL RUNWAY INFORMATION					
RWY			USABLE LENGTHS		WIDTH
			Threshold	Glide Slope	
16	34	HIRL (50m) HIALS PAPI-L (angle 3.00°) RVR		8214' 2504m 8275' 2522m	184' 56m
16	34	Grass runway			328' 100m

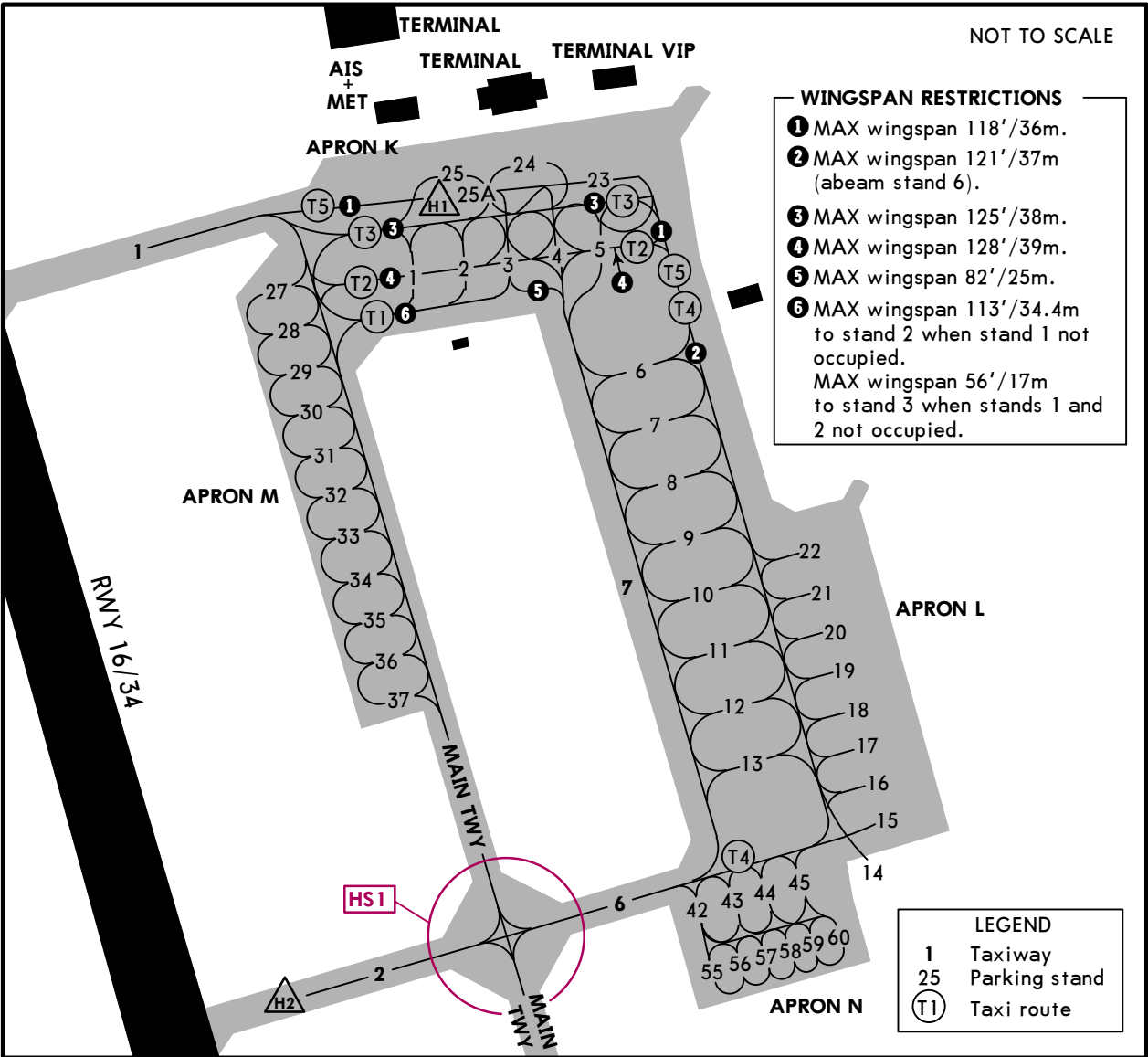
① First 98'/30m unusable for take-off.
TAKE-OFF RUN AVAILABLE
Rwy 16:
From rwy head 9088' (2770m)
twy 2 int 7185' (2190m)
twy 3 int 4593' (1400m)
Rwy 34:
From rwy head 9088' (2770m)
twy 4 int 7054' (2150m)
twy 3 int 4593' (1400m)

Standard TAKE-OFF		
Low Visibility Take-off		
Day: RL & RCLM Night: RL	Day: RL or RCLM Night: RL	Adequate vis ref (Day only)
A		
B		
C	RVR 300m	400m
D		500m

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HOT SPOTS

(For information only, not to be construed as ATC instructions.)

- HS1** Taxi with caution when crossing Main Twy.
- HS2** Twy 4 holding position not in sight from the Tower.
- HS3** Twy 5 holding position not in sight from the Tower. Multiple hold position where Twy 5 and military Twy intersect. Non-typical location for military Twy holding position marking.

TAXI RESTRICTIONS

For ACFT Code A, B and C with wheelbase up to 59'/18m and wingspan less than 105'/32m all TWY could be used for taxiing.

For ACFT Code C with wheelbase 59'/18m and more or wingspan more than 105'/32m:

- taxiing via Twy 1 and Twy 7;
- Rwy vacation is allowed on Twy 2, Twy 3 with further towing.

For ACFT Code C with wheelbase up to 59'/18m and wingspan more than 105'/32m:

- taxiing via Twy 2 and Twy 6 at the minimum speed is allowed only at daytime, when the estimated friction "good" and LVP are not applied due to the limited capacity of the Apron K.

Taxiing via main Twy for ACFT Code C with wheel base less then 59'/18m is allowed on minimal speed with follow me car.

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18 JAN 19

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Eff 31 Jan

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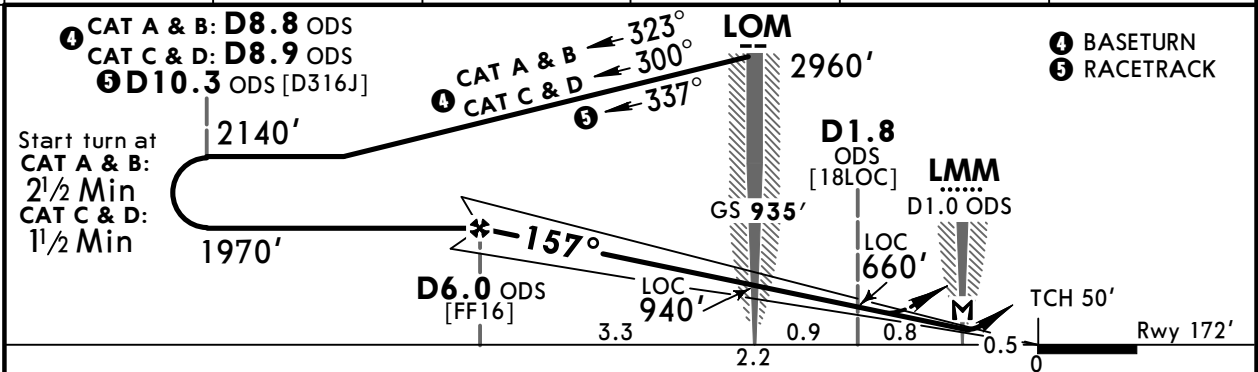
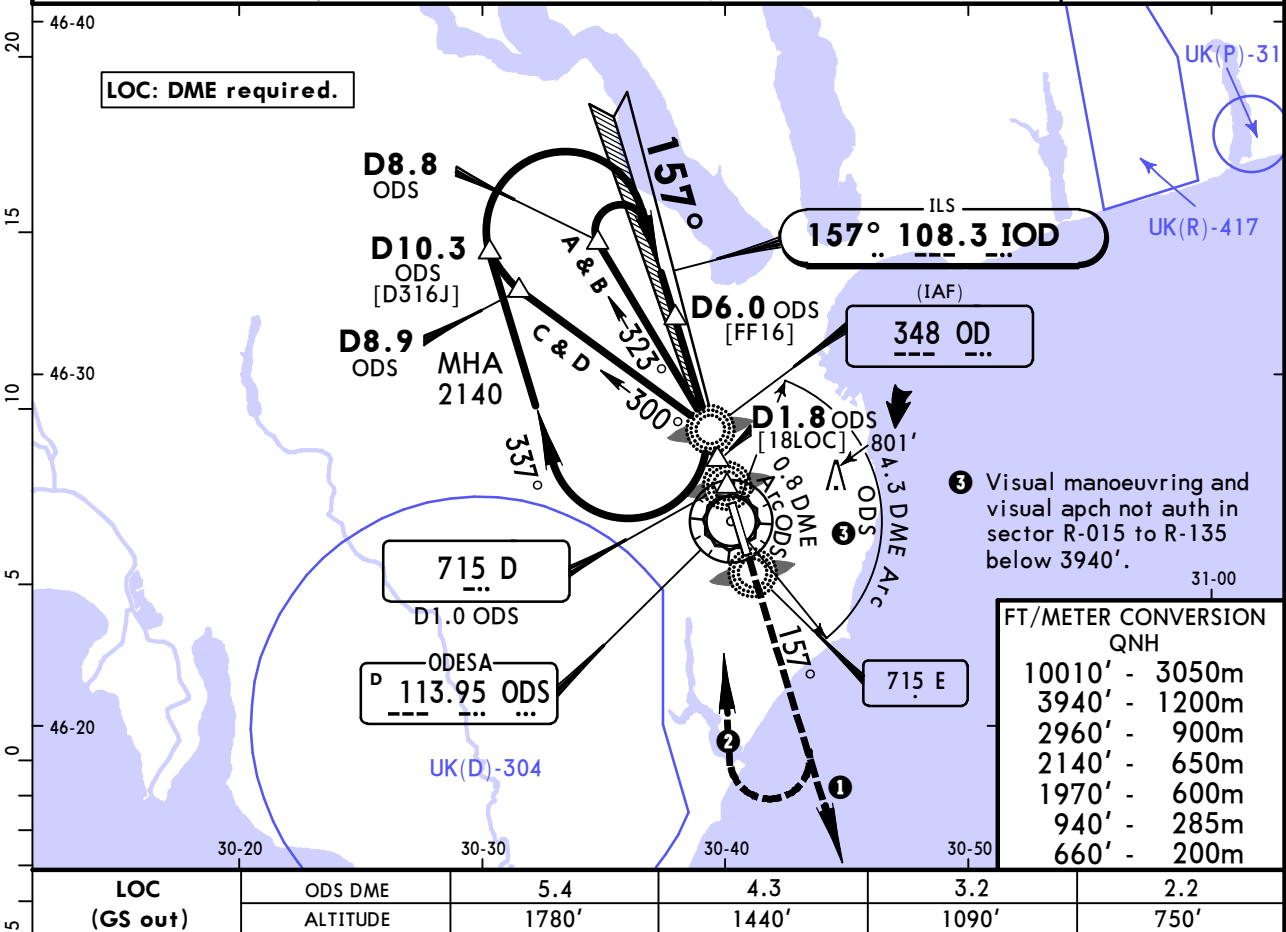
INS COORDINATES			
STAND No.	COORDINATES	CABIN on	
Apron K			
1	N46 26.3 E030 40.5	N	
1	N46 26.3 E030 40.6	S	
2	N46 26.4 E030 40.6	N	
2	N46 26.3 E030 40.6	S	
3	N46 26.4 E030 40.6	N	
3	N46 26.3 E030 40.6	S	
4	N46 26.4 E030 40.6	N	
4	N46 26.3 E030 40.7	S	
5	N46 26.4 E030 40.7	N	
5	N46 26.3 E030 40.7	S	
23	N46 26.4 E030 40.6	W	
24, 25	N46 26.4 E030 40.6	E or W	
25A	NIL NIL	E	
Apron L			
6 thru 8	N46 26.3 E030 40.7	E or W	
9	N46 26.2 E030 40.8	E	
9	N46 26.2 E030 40.7	W	
10	N46 26.2 E030 40.7	W	
10	N46 26.2 E030 40.8	E	
11	N46 26.2 E030 40.8	E	
11	N46 26.2 E030 40.7	W	
12	N46 26.2 E030 40.8	E or W	
13	N46 26.1 E030 40.8	E or W	
14	N46 26.1 E030 40.8	N	
15, 16	N46 26.1 E030 40.9	E	
17	N46 26.2 E030 40.8	W	
17	N46 26.2 E030 40.9	E	
18	N46 26.2 E030 40.8	E or W	
19 thru 22	N46 26.2 E030 40.8	E	
Apron M			
27 thru 31	N46 26.3 E030 40.5	E or W	
32	N46 26.3 E030 40.5	E	
32	N46 26.2 E030 40.5	W	
33 thru 35	N46 26.2 E030 40.5	E or W	
36	N46 26.2 E030 40.6	E	
36	N46 26.2 E030 40.5	W	
37	N46 26.2 E030 40.6	E	
37	N46 26.2 E030 40.5	W	
Apron N			
42 thru 45	N46 26.1 E030 40.8	N	
55 thru 58	N46 26.0 E030 40.8	N	
59, 60	N46 26.1 E030 40.8	N	

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ODESA, UKRAINE
ILS or LOC Rwy 16

ATIS 133.1 (Russian 124.8)		ODESA Radar (APP) 120.9		ODESA Tower 125.5		Ground 127.7		1900 MSA ODS VOR	
LOC IOD 108.3		Final Apch Crs 157°		GS LOM 935' (763')		ILS DA(H) 372' (200')			Apt Elev 172' Rwy 172'
MISSED APCH: ① Climb on 157° to 1970', then as directed.									
MISSED APCH WITH COMM FAILURE: ② Climb on 157° to 1970', then turn RIGHT to OD NDB climbing to 2960', then according to chart.									
Alt Set: hPa		Rwy Elev: 6 hPa		Trans level: By ATC		Trans alt: 10010'			



Gnd speed-Kts	70	90	100	120	140	160	HIALS PAPI 1970' on 157°
ILS GS 3.00°	372	478	531	637	743	849	
LOC Descent Angle 3.09°	383	492	547	656	765	875	
MAP at LMM/D1.0 ODS							

Standard		STRAIGHT-IN LANDING RWY 16				CIRCLE-TO-LAND		
		ILS		LOC (GS out) 2				
		DA(H) 372'(200')		DA/MDA(H) 530'(358')				
		FULL	ALS out			ALS out	Max Kts	
A						100	MDA(H) 780'(608')	VIS 1500m
B	RVR 550m 1		RVR 1200m	RVR 900m	RVR 1500m	135	810'(638')	1600m
C						180	1200'(1028')	2400m
D					RVR 1600m	205	1200'(1028')	3600m

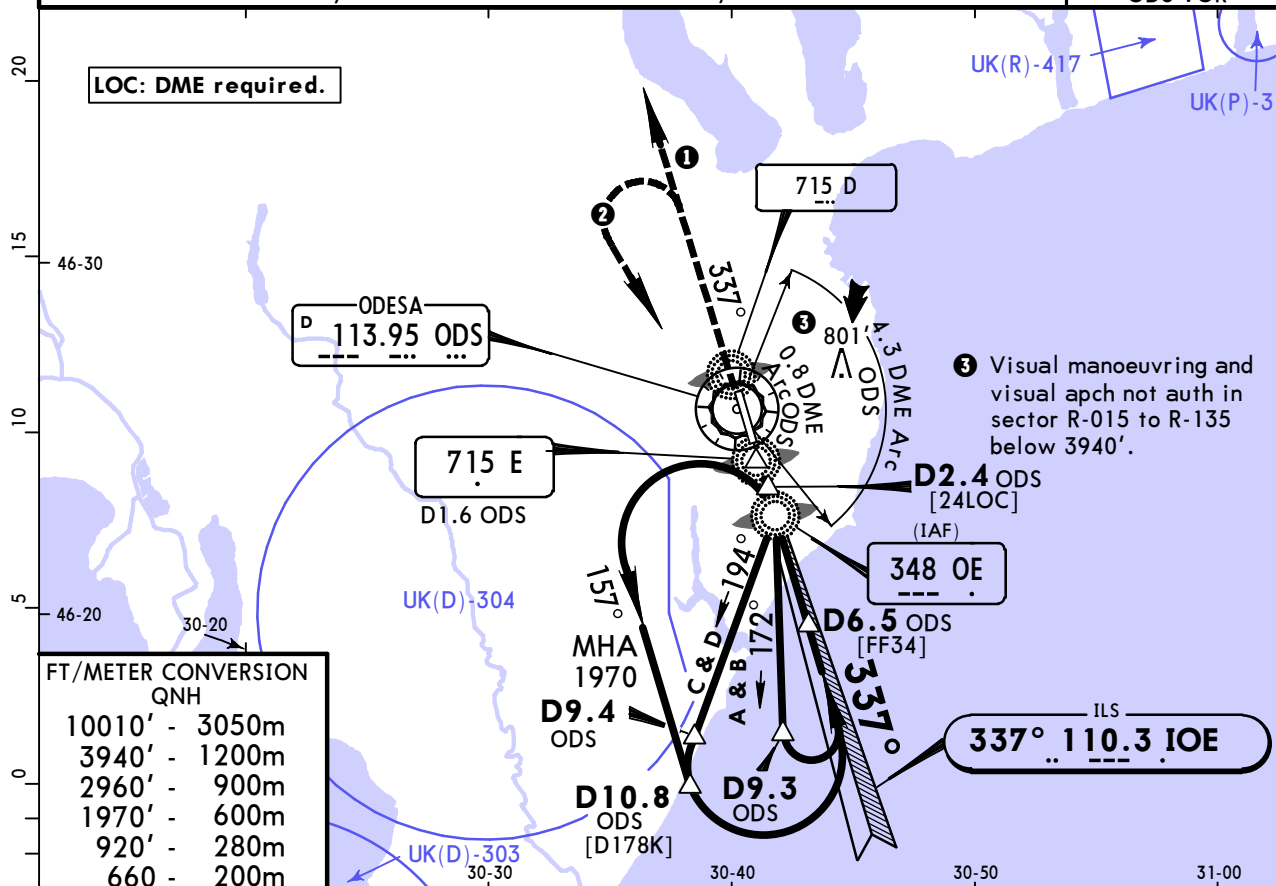
① W/o HUD/AP/FD: RVR 750m ② CDFA

CHANGES: Descent angle.

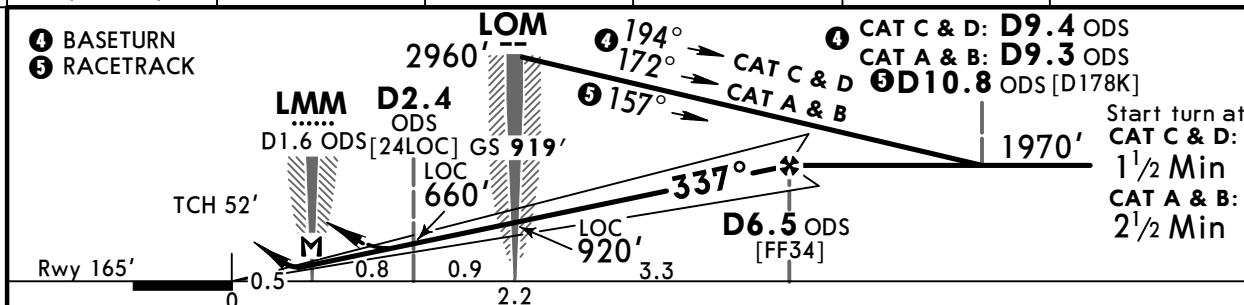
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ODESA, UKRAINE
ILS or LOC Rwy 34

ATIS 133.1 (Russian 124.8)		ODESA Radar (APP) 120.9		ODESA Tower 125.5		Ground 127.7	
LOC IOE 110.3	Final Apch Crs 337°	GS LOM 919' (754')	ILS DA(H) 365' (200')	Apt Elev 172' Rwy 165'		1900 MSA ODS VOR	
MISSED APCH: ❶ Climb on 337° to 1970', then as directed. MISSED APCH WITH COMM FAILURE: ❷ Climb on 337° to 1970', then turn LEFT to OE NDB climbing to 2960', then according to chart.							
Alt Set: hPa		Rwy Elev: 6 hPa		Trans level: By ATC			



LOC (GS out)	ODS DME	2.7	3.8	4.9	5.9
	ALTITUDE	740'	1090'	1440'	1780'



Gnd speed-Kts	70	90	100	120	140	160	
ILS GS 3.00°	372	478	531	637	743	849	
LOC Descent Angle 3.09°	383	492	547	656	765	875	
MAP at LMM/D1.6 ODS							

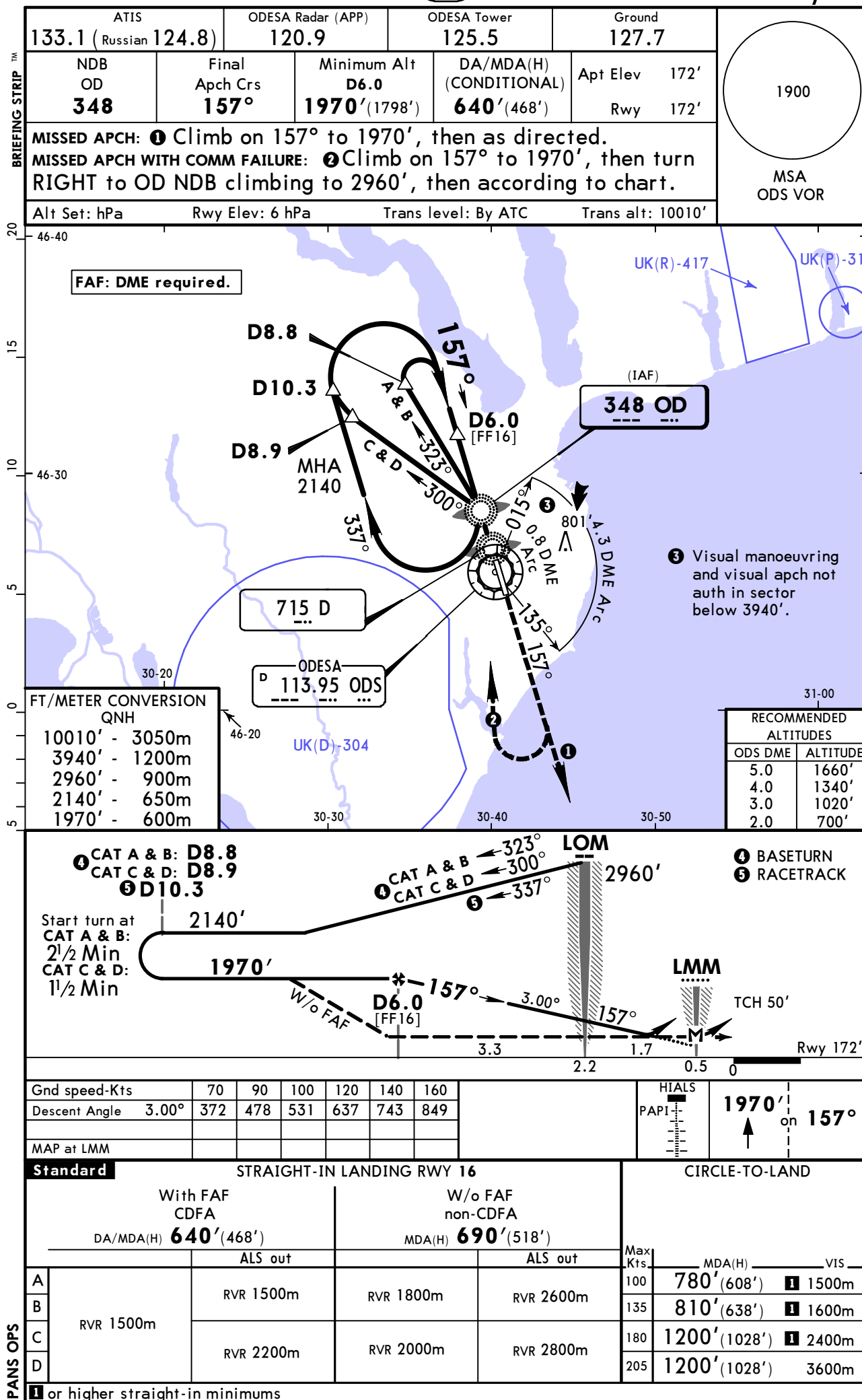
Standard		STRAIGHT-IN LANDING RWY 34		CIRCLE-TO-LAND 2	
ILS DA(H) 365' (200')		LOC (GS out) CDFA DA/MDA(H) 480' (315')		Max Kts	MDA(H) VIS
FULL		ALS out			
A	RVR 550m 1	RVR 1200m	RVR 750m	RVR 1400m	100 780' (615') 1500m
B					135 810' (645') 1600m
C					180 1200' (1035') 2400m
D					205 1200' (1035') 3600m

1 W/o HUD/AP/FD: RVR 750m. **2** Circling height based on rwy 34 thresh elev of 165'.

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NDB Rwy 16

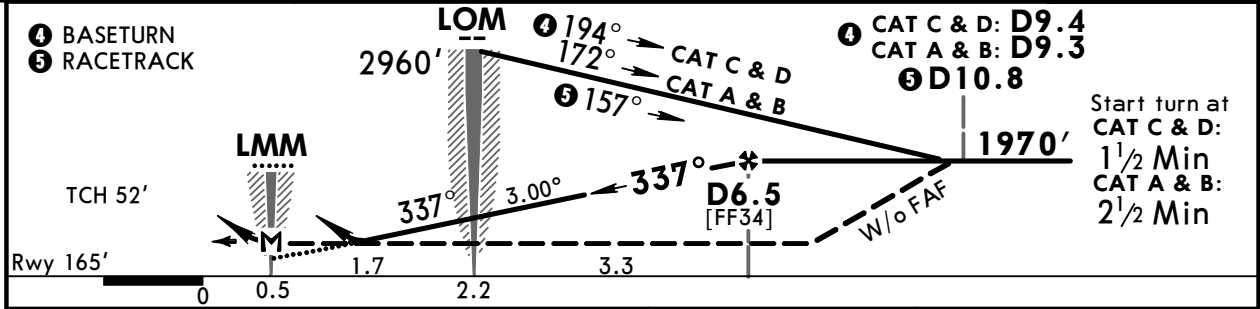
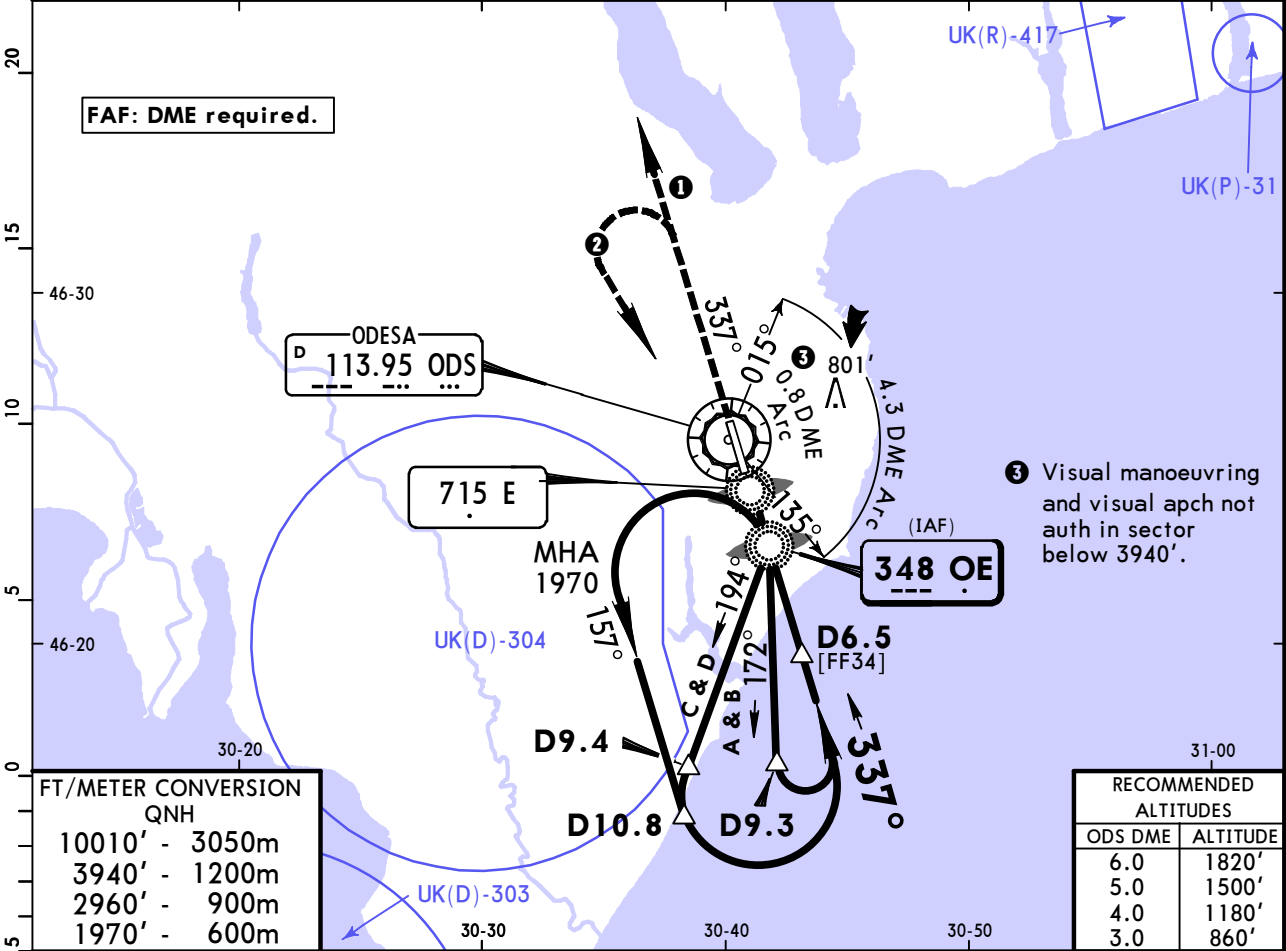


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9 FEB 18 16-2

ODESA, UKRAINE
NDB Rwy 34

ATIS 133.1 (Russian 124.8)		ODESA Radar (APP) 120.9		ODESA Tower 125.5		Ground 127.7	
NDB OE 348	Final Apch Crs 337°	Minimum Alt D6.5 1970' (1805')	DA/MDA(H) (CONDITIONAL) 690' (525')	Apt Elev 172' Rwy 165'		1900 MSA ODS VOR	
MISSED APCH: ❶ Climb on 337° to 1970', then as directed. MISSED APCH WITH COMM FAILURE: ❷ Climb on 337° to 1970', then turn LEFT to OE NDB climbing to 2960', then according to chart.							
Alt Set: hPa		Rwy Elev: 6 hPa	Trans level: By ATC		Trans alt: 10010'		



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle 3.00°	372	478	531	637	743	849
MAP at LMM						

Standard		STRAIGHT-IN LANDING RWY 34				CIRCLE-TO-LAND 1	
With FAF CDFA DA/MDA(H) 690'(525')		W/o FAF non-CDFA MDA(H) 740'(575')		Max Kts	MDA(H)	VIS	
ALS out		ALS out					
A	RVR 1500m		RVR 2100m	RVR 2800m	100	780'(615') 2 1500m	
B					135	810'(645') 2 1600m	
C	RVR 1700m	RVR 2400m	RVR 2300m	RVR 3000m	180	1200'(1035') 2 2400m	
D					205	1200'(1035') 3600m	
1 Circling height based on rwy 34 thresh elev of 165'. 2 or higher straight-in minimums							

ODESA, (ODESA - UKOO)

TERMINAL CHART CHANGE NOTICES

Chart Change Notices for Airport UKOO

Type: Terminal

Effectivity: Temporary

Begin Date: Immediately

End Date: Until Further Notice

CAUTION: WIP 0.13NM (250M) WEST of RCL and RWY 16/34 (based on SUP 23/18). Grass RWY 16/34 closed. Refer also to latest NOTAMS.