

ODS-UKOO

1-10

AOI

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**GENERAL****Operational Hours****ATS Hours / AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 7**Fuel:** TS-1**PCN:** RWY 16/34: 35/R/B/X/T**Operation****Low Visibility Procedure**

LVP in force when RVR below 600m.

Only one ACFT at a time is allowed on the maneuvering area when LVP in force.

Follow-me mandatory.

**RWY Restrictions**

After LDG, 180° turn is allowed for RWY vacation only abeam TWY 1, 3, 5.

180° turn for B738/9 and A321 are allowed for RWY vacation only at the end of RWY abeam TWY 1, 5.

When outside temperature is above 25°C, turns on RWY shall be performed at MNM speed with MAX turn radius.

**TWY Restrictions**

TWY 7 width 18m / 59ft.

Main TWY width 17.5m / 57ft.

TWY 3, 5, 6 width 17m / 56ft.

TWY 2, 4 width 16m / 56ft

**Standard Taxi Routes**

Route T1: ACFT taxiing to/from Main TWY to/from stands 1-3 on APN K.

Route T2: ACFT taxiing to/from Main TWY to/from stands on APN K and L.

Route T3: ACFT taxiing to/from TWY 1 to/from stands on APN K and L.

Route T4: ACFT taxiing to/from TWY 6 to/from stands on APN N, L and K.

Route T5: ACFT taxiing to/from TWY 1 to/from stands on APN K and L.

Wingspan restriction on taxi routes:

- T1: when taxiing to stand 2 (stand 1 not occupied) MAX wingspan 34.4m / 113ft.  
when taxiing to stand 3 (stands 1,2 not occupied) MAX wingspan 17m / 56ft.
- T2: MAX wingspan 39m / 128ft.
- T3: MAX wingspan 38m / 125ft.
- T4: MAX wingspan 37m / 121ft.
- T5: MAX wingspan 36m / 118ft.

**Taxi/Parking**

Code letter C ACFT with wheel base 18m / 59ft and above and wingspan above 32m / 105ft:

- taxi via TWY 1 and 7.

- RWY vacation is allowed on TWY 2 and 3 with further towing.

Code letter C ACFT with wheelbase up to 18m / 59ft and wingspan above 32m / 105ft:

- RWY vacation on TWY 4, 5 and taxiing via Main TWY between TWY 4 and 5 at MNM speed.
- taxiing via TWY 2 and TWY 6 at MNM speed is allowed HJ only when the estimated friction "good" and LVP are not applied due to limited capacity of APN K.

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**GENERAL**

| Taxiing of B738/9 are allowed to stands 11-13 on APN L through APN K, then via TWY 7 or Route T4.  
 | Follow-me mandatory on APN K and L.  
 | Follow-me O/R.

**Noise Abatement Procedure**

| Use NAP according to AFM.

**Engine Run-up Area**

Engine run-ups shall be conducted at stand 14.

**Warnings**

| Movement area south of TWY 3 not visible from TWR.  
 | Birds in vicinity of AD.

**ARRIVAL****Communication**

| At least 30min before ETA, contact OPS Control 131.900 and report:  
 - PAX  
 - Luggage  
 - Other pertinent INFO.

**COM Failure:** See CRAR and in addition;

Comply with light gun signals if visible.

**During MISAP**

RWY 16: Climb on track 157° to 1968ft, then turn right climbing 2953ft to LO 16, then according to chart.

RWY 34: Climb on track 337° to 1968ft, then turn left climbing 2953ft to LO 34, then according to chart.

**Arrival Procedure****Continuous Descent Operations (CDO)**

CDO are performed during periods of low traffic density at ATC discretion.

Maintain MAX IAS 220KT at distance of 20 track miles from touchdown.

**DEPARTURE****Take-off Minima**

RWY		16/34	
All ACFT	ft - m/km	0 - 400R/400V	HJ only
		0 - 800R/800V	HN

**Communication****COM Failure:** See CRAR and in addition;

Comply with light gun signals if visible.

**De-icing**

AVBL

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09-AUG-2018

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AGC

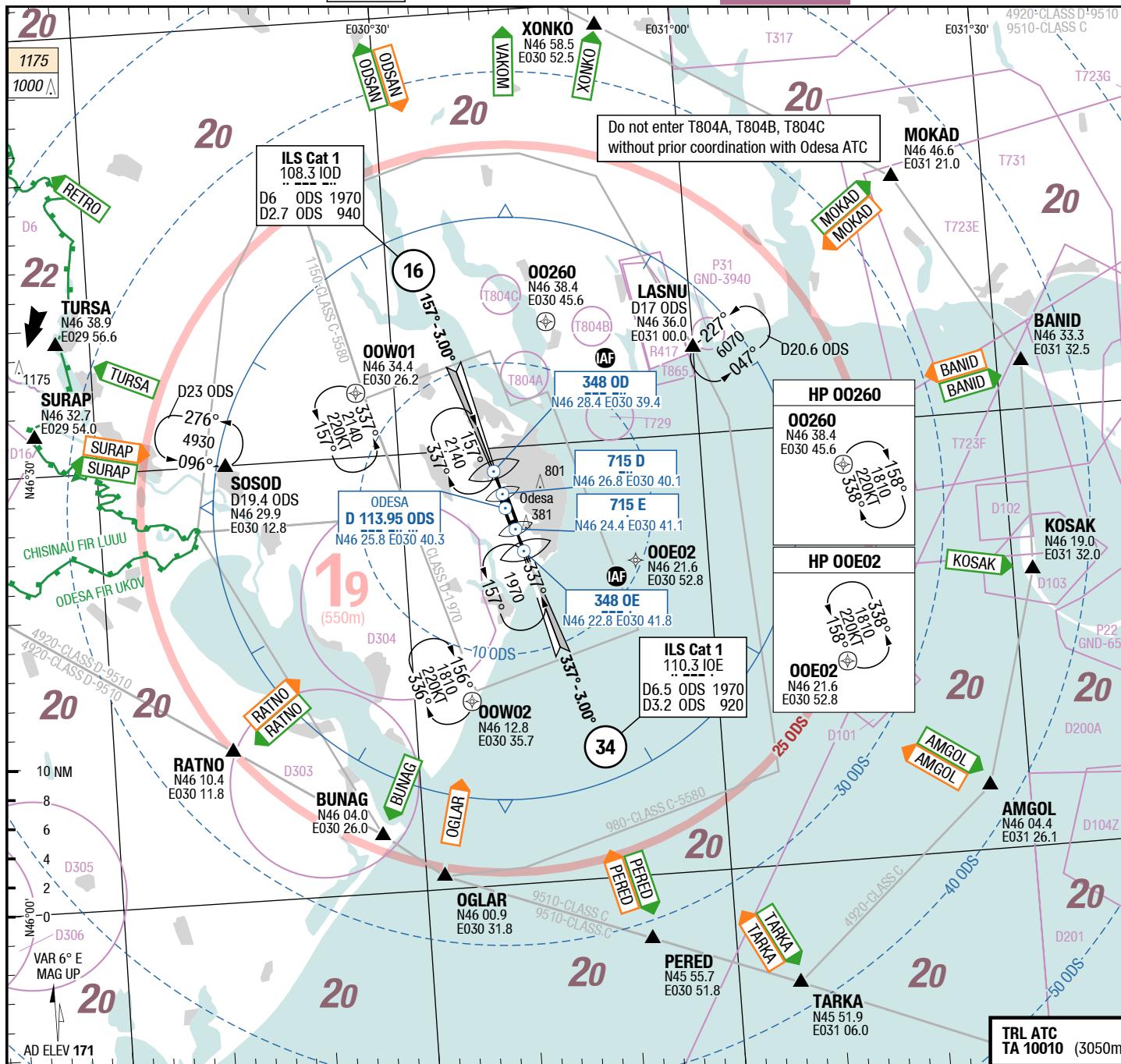
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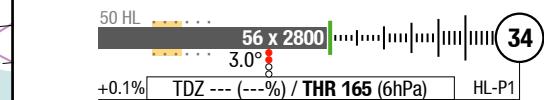
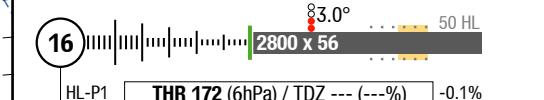
ATIS 133.100

RAD 120.900

TWR 125.500

GND 127.700

Landing RWY system:



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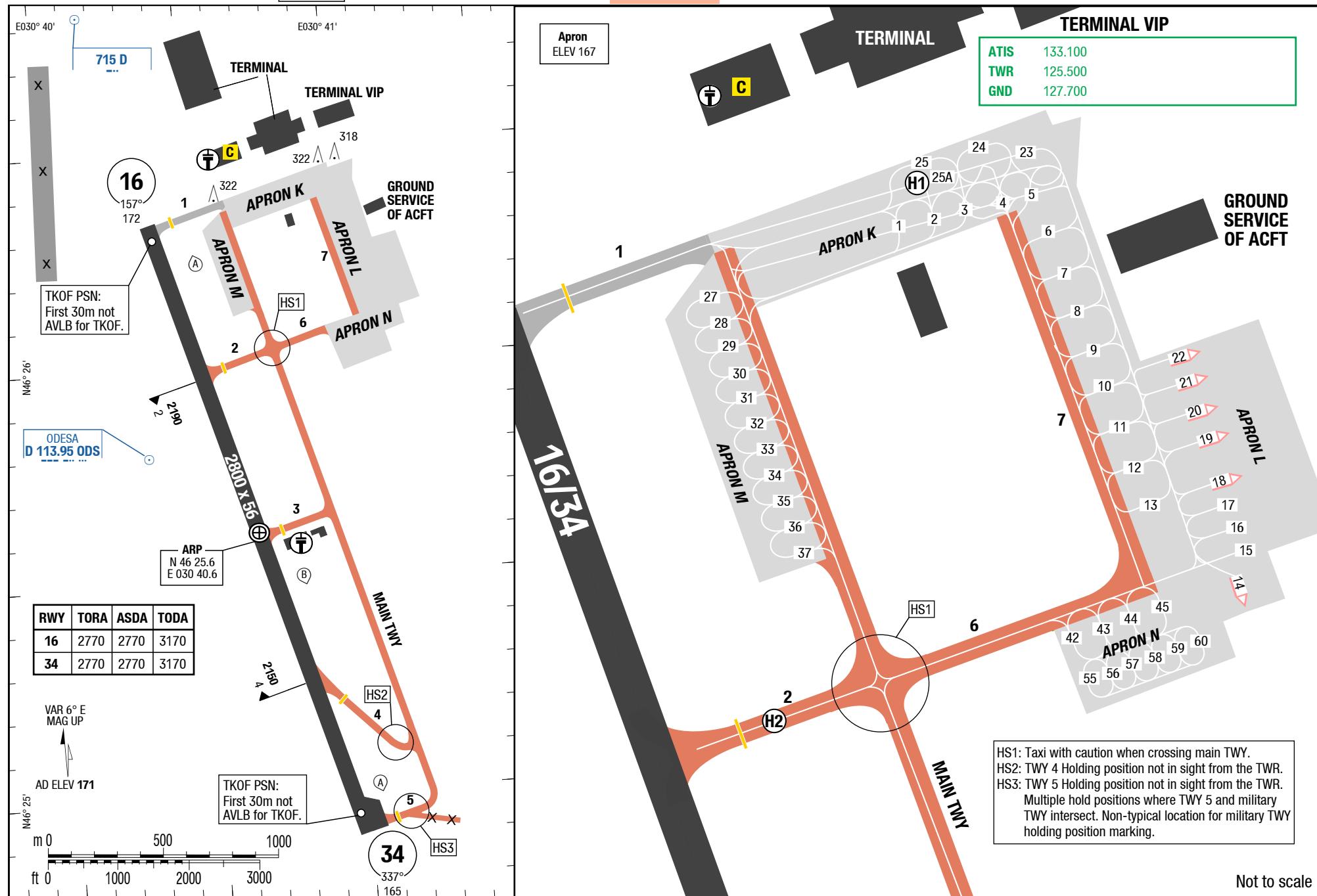
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TERMINAL VIP



Changes: FREQ, Parkingstand, RWY , HS, BLDG, AD ELEV

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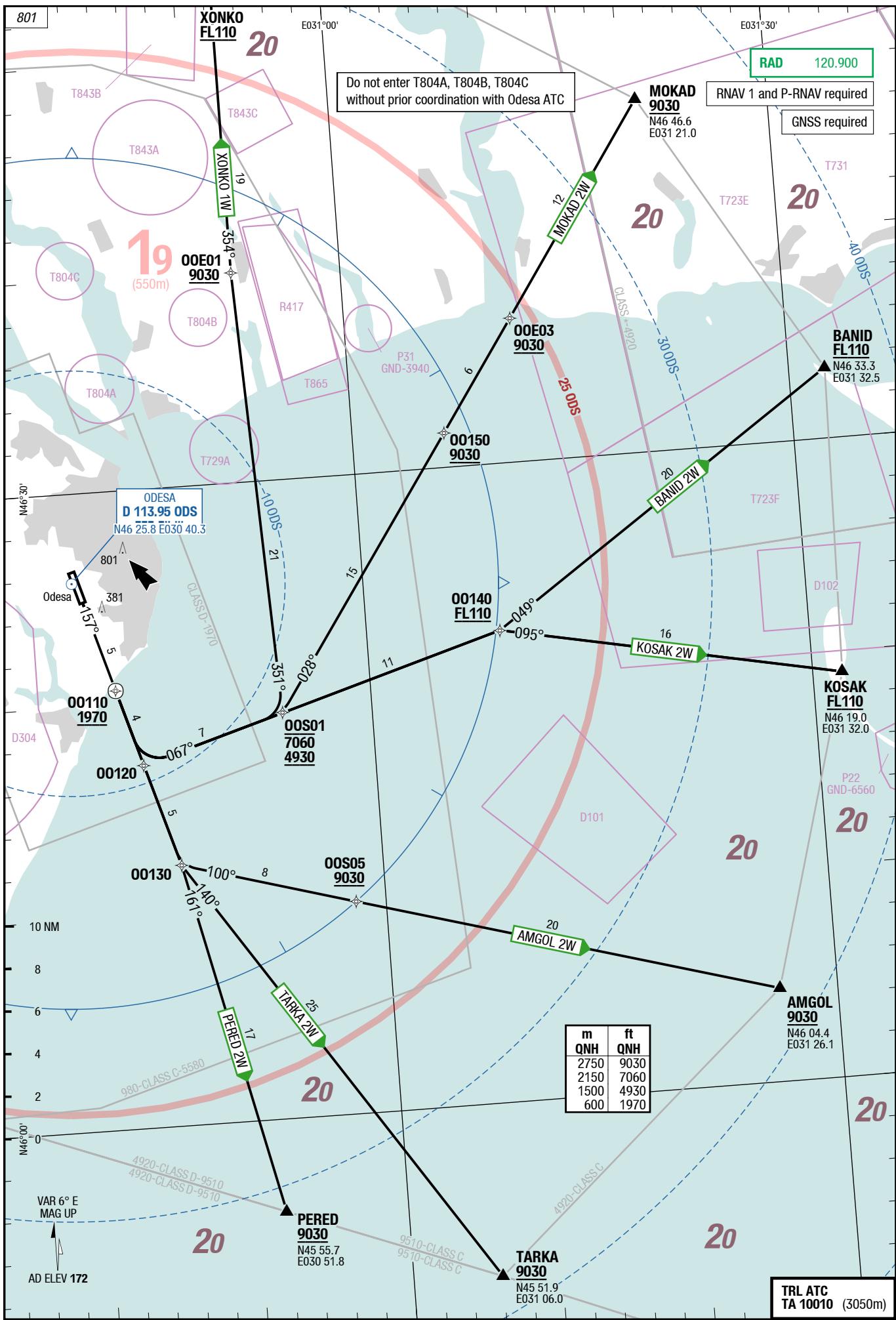
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4-10

**RNAV SIDs RWY 16 East**

SID

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RNAV SIDS RWY 16 West  
**RNAV SIDS RWY 16 East**



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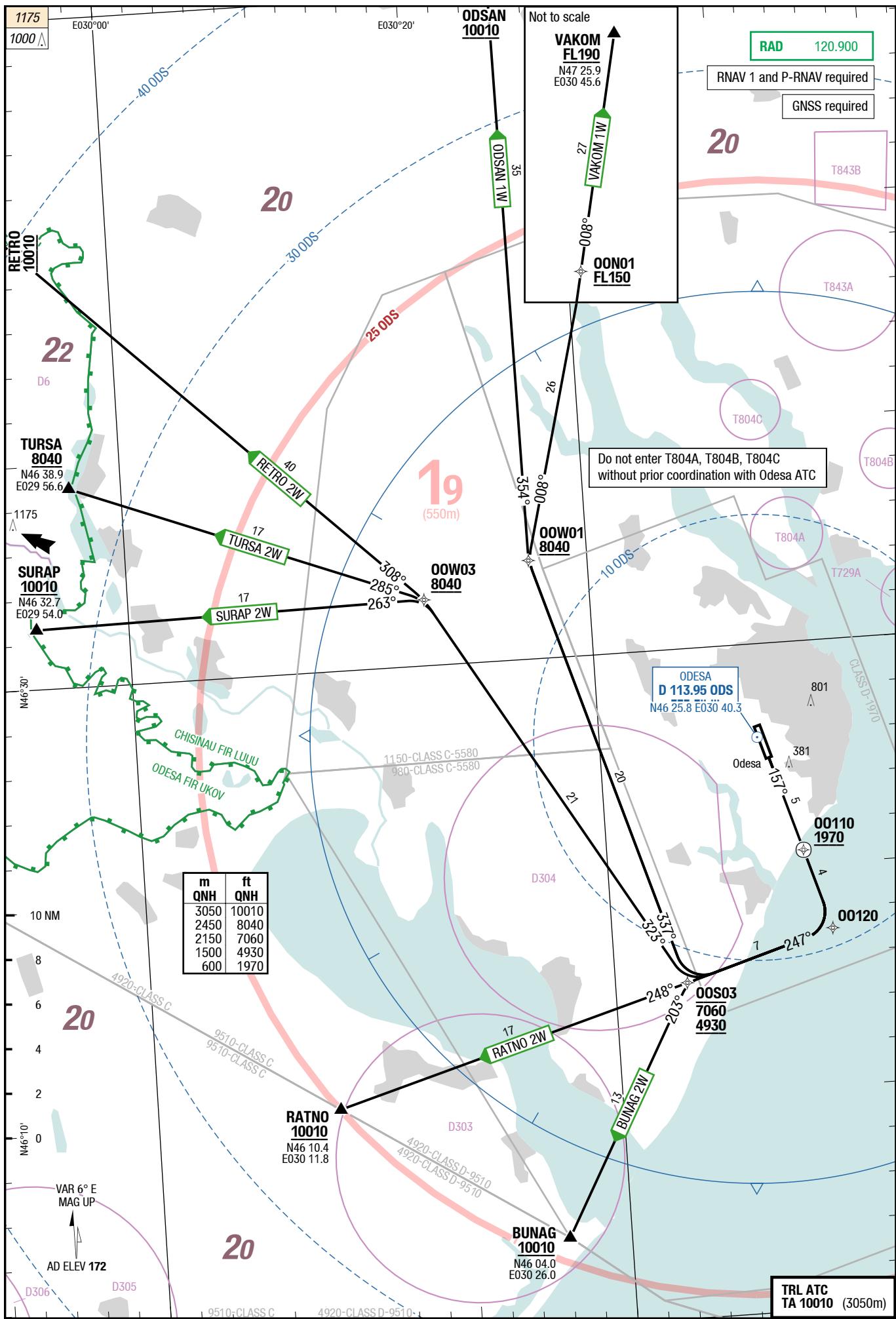
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RNAV SIDs RWY 16 West

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**RNAV SIDs RWY 16 West**



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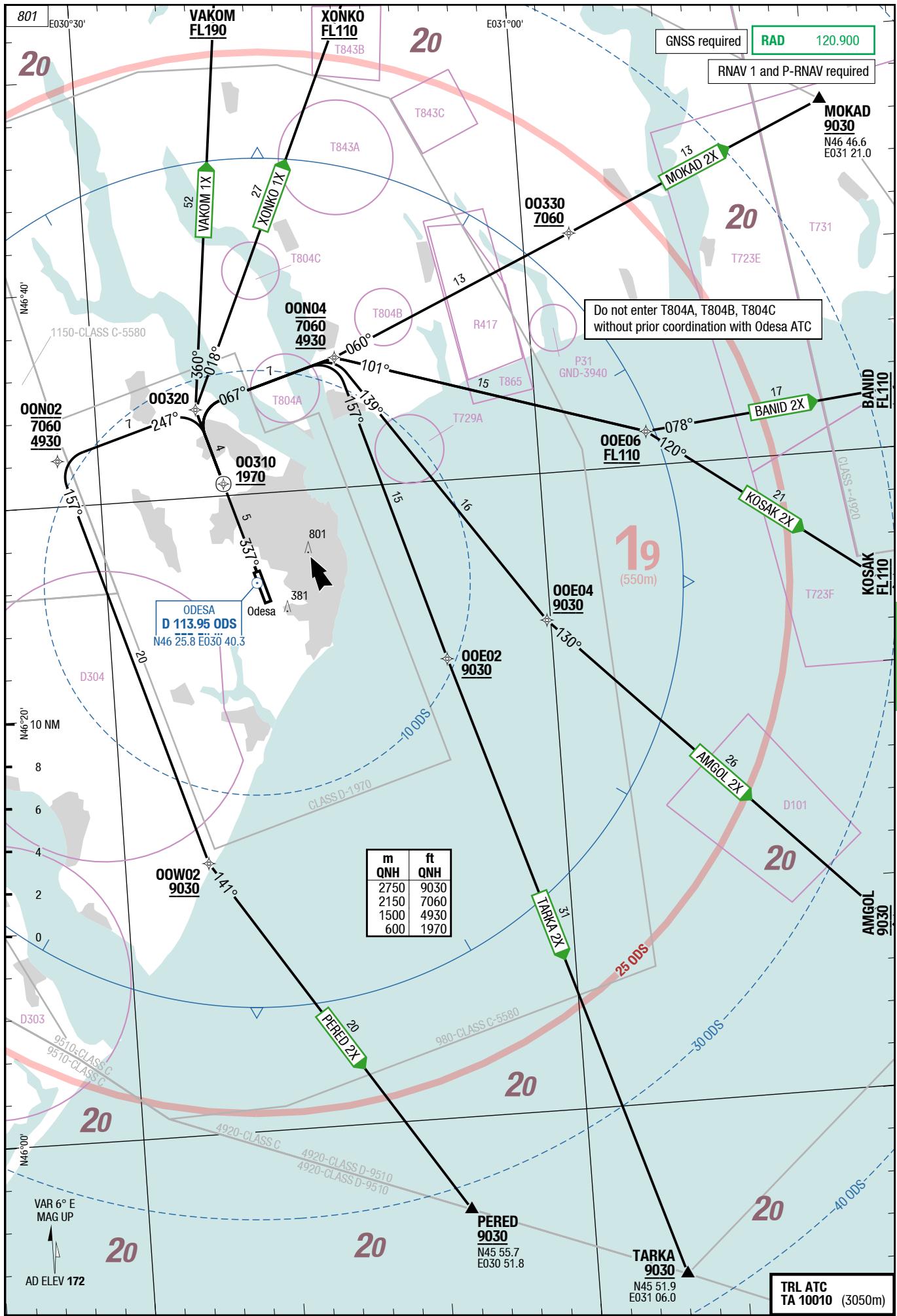
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**Ukraine Odesa Intl**  
RNAV SDs RWY 34 West

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**RNAV SIDs RWY 34 East**



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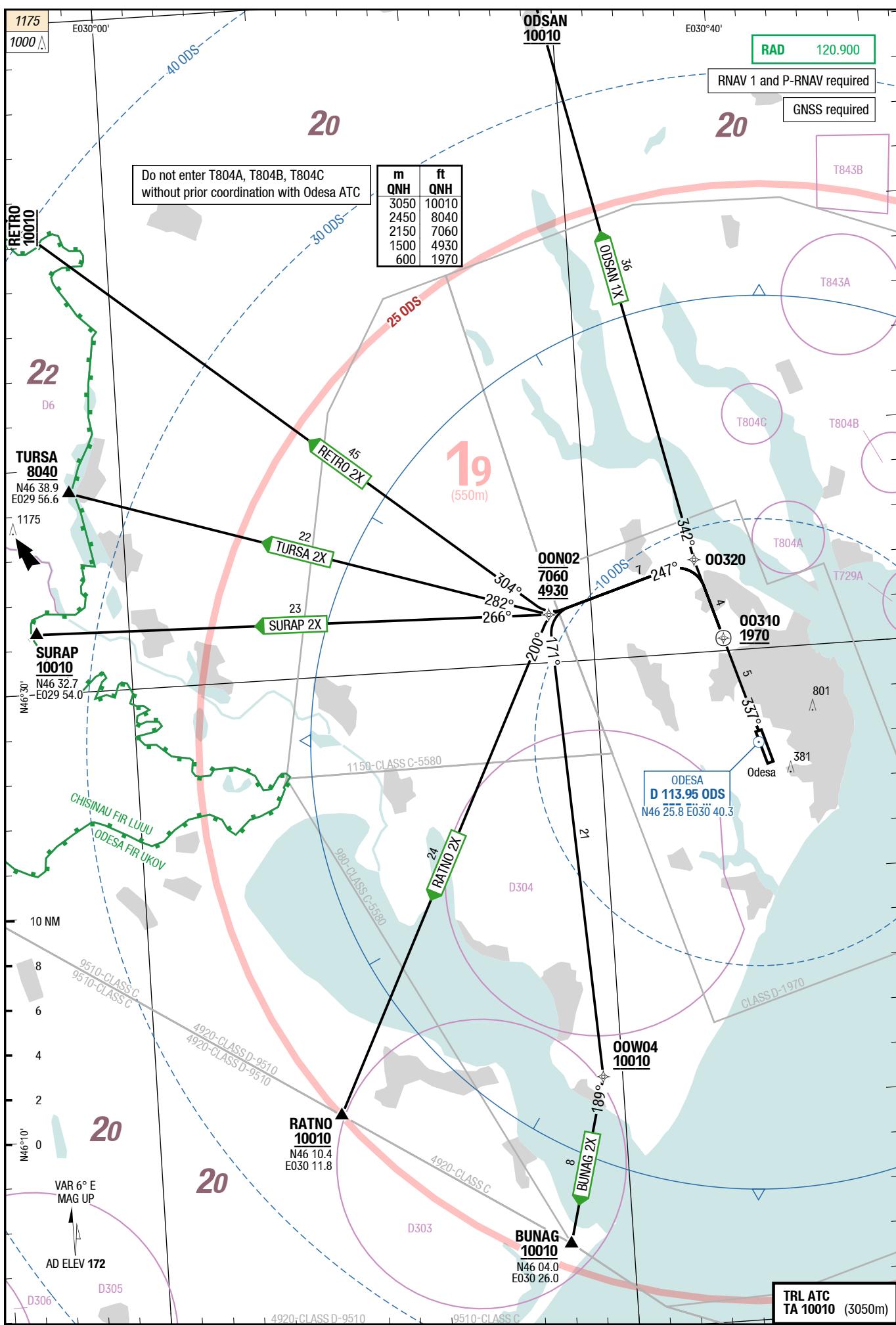
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4-40

**RNAV SIDs RWY 34 West**

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RNAV SIDS RWY 34 West



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16-JUN-2016

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## Ukraine Odesa Odesa Intl

SIDs RWY 16 East / South

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SIDs RWY 16 East / South

4-50 | S

## **SIDs RWY 16 North / West**

S/D

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**Key Labels and Data:**

- Flight Levels:** 2000ft, 3000ft, 4000ft, 1000ft, 1175ft.
- Airspace:** ODESA FIR, TURSA FIR, UKON FIR, LUULU FIR.
- Control Points:** RETRO 10010, TURSA 8040, SURAP 10010, ODSAN 10010, VAKOM FL190, XONKO FL110, RAD 120.900.
- Flight Levels:** 20, 19 (550m), 10, 8, 6, 4, 2, 0.
- Winds:** VAR 6° E MAG UP.
- Altitude:** AD ELEV 172.
- QNH Table:**

m	ft
QNH	QNH
3050	10010
2750	9030
2450	8040
1500	4930
600	1970
- Notes:** Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.
- Other Labels:** 1150-CLASS C-5580, 980-CLASS C-5580, 4930, 1970, D5.5 0DS, 1920-CLASS C, 4920-CLASS D-9510, 9510-CLASS C, 4920-CLASS D-9510, 1000ft, 1175ft, 2000ft, 3000ft, 4000ft, 5000ft, 6000ft, 7000ft, 8000ft, 9000ft, 10000ft, 11000ft, 12000ft, 13000ft, 14000ft, 15000ft, 16000ft, 17000ft, 18000ft, 19000ft, 20000ft, 21000ft, 22000ft, 23000ft, 24000ft, 25000ft, 26000ft, 27000ft, 28000ft, 29000ft, 30000ft, 31000ft, 32000ft, 33000ft, 34000ft, 35000ft, 36000ft, 37000ft, 38000ft, 39000ft, 40000ft, 41000ft, 42000ft, 43000ft, 44000ft, 45000ft, 46000ft, 47000ft, 48000ft, 49000ft, 50000ft, 51000ft, 52000ft, 53000ft, 54000ft, 55000ft, 56000ft, 57000ft, 58000ft, 59000ft, 60000ft, 61000ft, 62000ft, 63000ft, 64000ft, 65000ft, 66000ft, 67000ft, 68000ft, 69000ft, 70000ft, 71000ft, 72000ft, 73000ft, 74000ft, 75000ft, 76000ft, 77000ft, 78000ft, 79000ft, 80000ft, 81000ft, 82000ft, 83000ft, 84000ft, 85000ft, 86000ft, 87000ft, 88000ft, 89000ft, 90000ft, 91000ft, 92000ft, 93000ft, 94000ft, 95000ft, 96000ft, 97000ft, 98000ft, 99000ft, 100000ft, 101000ft, 102000ft, 103000ft, 104000ft, 105000ft, 106000ft, 107000ft, 108000ft, 109000ft, 110000ft, 111000ft, 112000ft, 113000ft, 114000ft, 115000ft, 116000ft, 117000ft, 118000ft, 119000ft, 120000ft, 121000ft, 122000ft, 123000ft, 124000ft, 125000ft, 126000ft, 127000ft, 128000ft, 129000ft, 130000ft, 131000ft, 132000ft, 133000ft, 134000ft, 135000ft, 136000ft, 137000ft, 138000ft, 139000ft, 140000ft, 141000ft, 142000ft, 143000ft, 144000ft, 145000ft, 146000ft, 147000ft, 148000ft, 149000ft, 150000ft, 151000ft, 152000ft, 153000ft, 154000ft, 155000ft, 156000ft, 157000ft, 158000ft, 159000ft, 160000ft, 161000ft, 162000ft, 163000ft, 164000ft, 165000ft, 166000ft, 167000ft, 168000ft, 169000ft, 170000ft, 171000ft, 172000ft, 173000ft, 174000ft, 175000ft, 176000ft, 177000ft, 178000ft, 179000ft, 180000ft, 181000ft, 182000ft, 183000ft, 184000ft, 185000ft, 186000ft, 187000ft, 188000ft, 189000ft, 190000ft, 191000ft, 192000ft, 193000ft, 194000ft, 195000ft, 196000ft, 197000ft, 198000ft, 199000ft, 200000ft, 201000ft, 202000ft, 203000ft, 204000ft, 205000ft, 206000ft, 207000ft, 208000ft, 209000ft, 210000ft, 211000ft, 212000ft, 213000ft, 214000ft, 215000ft, 216000ft, 217000ft, 218000ft, 219000ft, 220000ft, 221000ft, 222000ft, 223000ft, 224000ft, 225000ft, 226000ft, 227000ft, 228000ft, 229000ft, 230000ft, 231000ft, 232000ft, 233000ft, 234000ft, 235000ft, 236000ft, 237000ft, 238000ft, 239000ft, 240000ft, 241000ft, 242000ft, 243000ft, 244000ft, 245000ft, 246000ft, 247000ft, 248000ft, 249000ft, 250000ft, 251000ft, 252000ft, 253000ft, 254000ft, 255000ft, 256000ft, 257000ft, 258000ft, 259000ft, 260000ft, 261000ft, 262000ft, 263000ft, 264000ft, 265000ft, 266000ft, 267000ft, 268000ft, 269000ft, 270000ft, 271000ft, 272000ft, 273000ft, 274000ft, 275000ft, 276000ft, 277000ft, 278000ft, 279000ft, 280000ft, 281000ft, 282000ft, 283000ft, 284000ft, 285000ft, 286000ft, 287000ft, 288000ft, 289000ft, 290000ft, 291000ft, 292000ft, 293000ft, 294000ft, 295000ft, 296000ft, 297000ft, 298000ft, 299000ft, 300000ft.

Effective 23-JUN-2016

16-JUN-2016

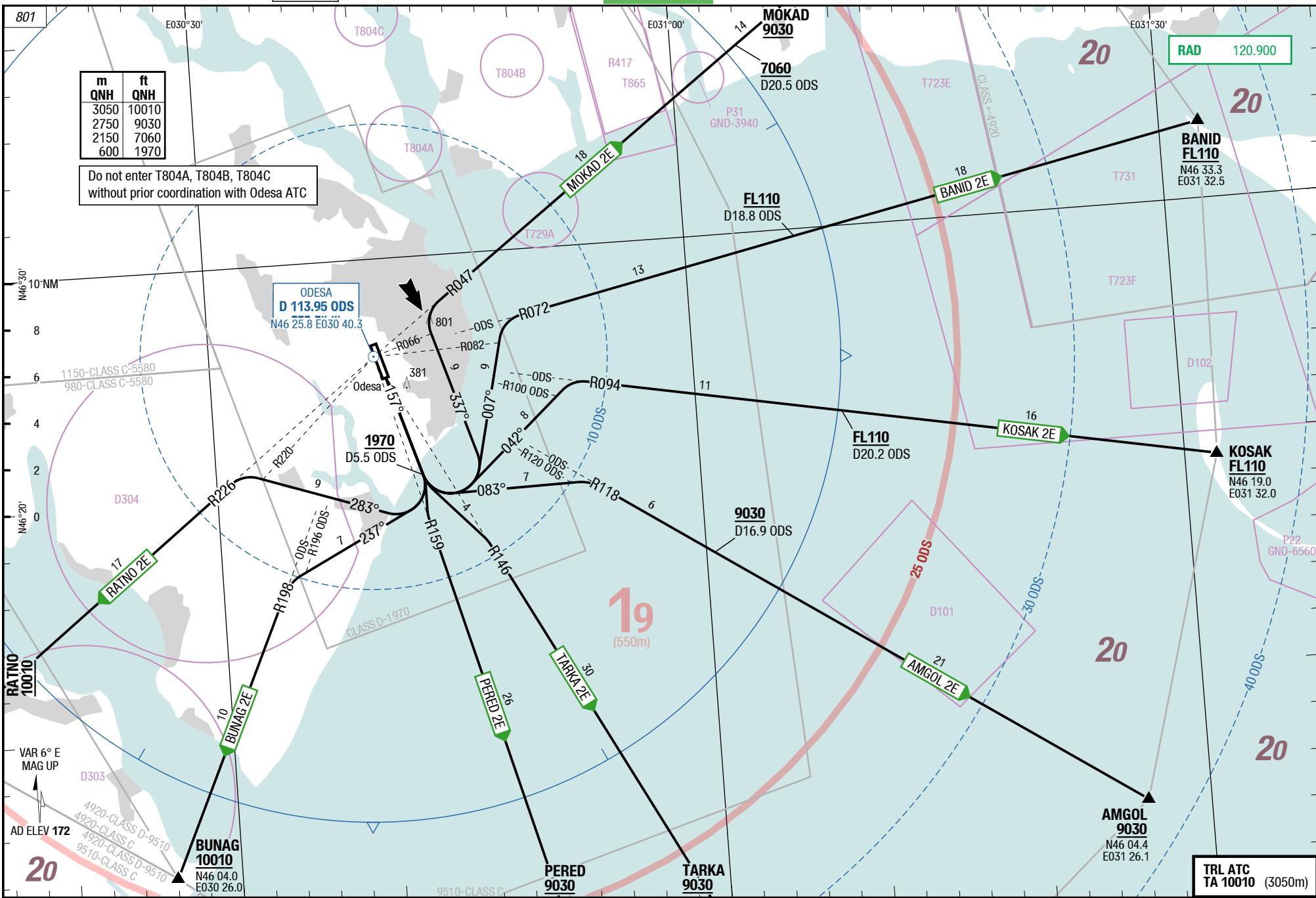
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4-60 SIDs RWY 16 East / South

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SIDs RWY 16 East / South



Changes: ASP, SUAs, Note



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16-JUN-2016

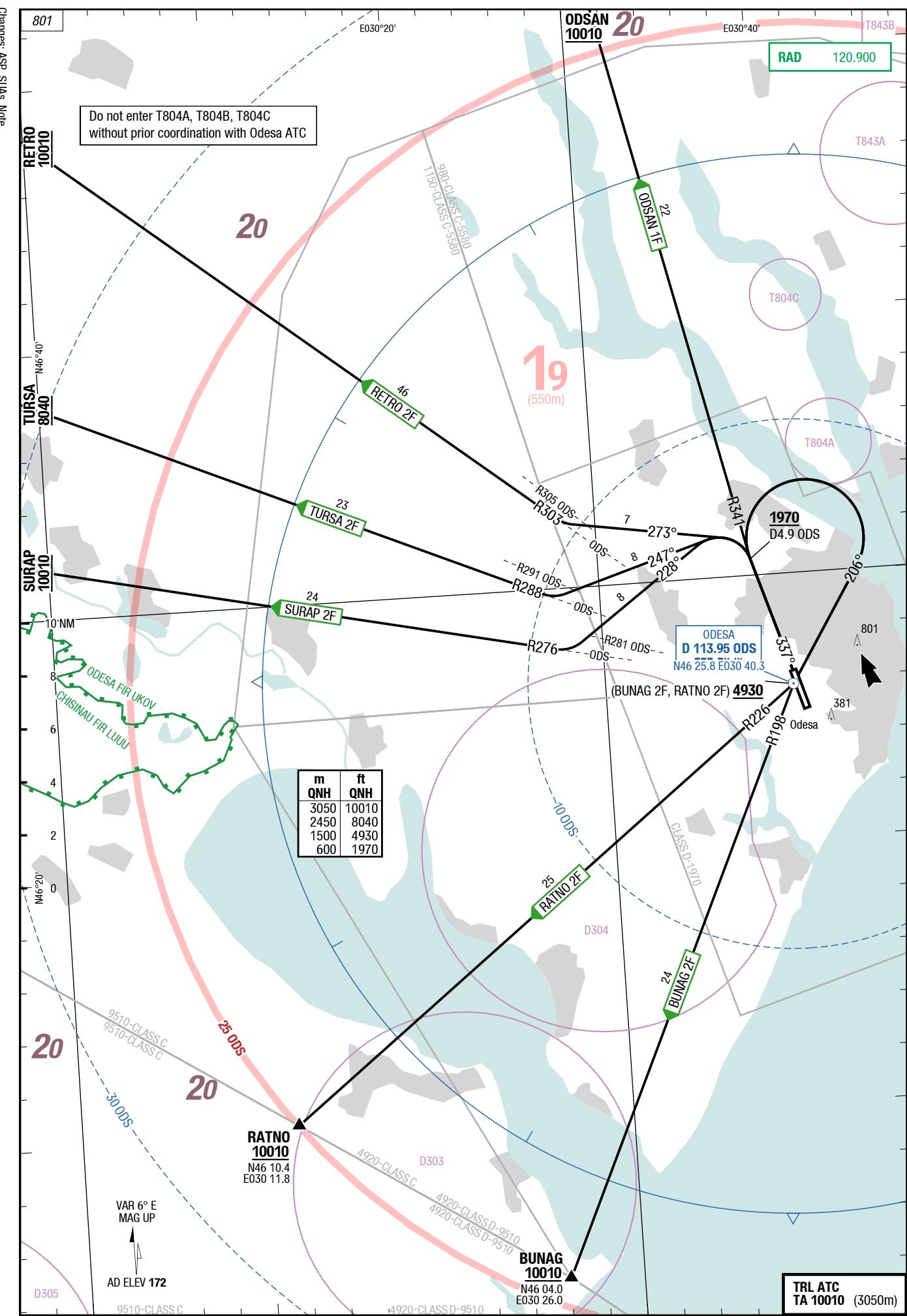
## ODS-UK00

4-80

SIDS RWY 34 Northwest / Southwest

**SID**  
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SIDS RWY 34 Northwest / Southwest  
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## ODS-UKOO

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## RNAV SIDs RWY 16 East

**AMGOL 2W / BANID 2W / KOSAK 2W / MOKAD 2W / PERED 2W / TARKA 2W / XONKO 1W**  
**RWY 16 (157°)**

	GS	120	150	180	210	240	270
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 16</b>	
<b>AMGOL 2W</b> 7.0% to 9030 <b>120.900</b> ①②	00110 - 00120 - 00130 - <b>LT</b> 100° to 00S05 - AMGOL	00110 MNM <b>1970</b> 00S05 MNM <b>9030</b> AMGOL MNM <b>9030</b>
<b>BANID 2W</b> 7.0% to FL110 <b>120.900</b> ①②	00110 - 00120 - <b>LT</b> 067° to 00S01 - 00140 - <b>LT</b> 049° to BANID	00110 MNM <b>1970</b> 00S01 between <b>4930</b> and <b>7060</b> 00140 MNM <b>FL110</b> BANID MNM <b>FL110</b>
<b>KOSAK 2W</b> 7.0% to FL110 <b>120.900</b> ①②	00110 - 00120 - <b>LT</b> 067° to 00S01 - 00140 - <b>RT</b> 095° to KOSAK	00110 MNM <b>1970</b> 00S01 between <b>4930</b> and <b>7060</b> 00140 MNM <b>FL110</b> KOSAK MNM <b>FL110</b>
<b>MOKAD 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>LT</b> 067° to 00S01 - <b>LT</b> 028° to 00150 - 00E03 - MOKAD	00110 MNM <b>1970</b> 00S01 between <b>4930</b> and <b>7060</b> 00150 MNM <b>9030</b> 00E03 MNM <b>9030</b> MOKAD MNM <b>9030</b>
<b>PERED 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - 00130 - <b>RT</b> 161° to PERED	00110 MNM <b>1970</b> PERED MNM <b>9030</b>
<b>TARKA 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - 00130 - <b>LT</b> 140° to TARKA	00110 MNM <b>1970</b> TARKA MNM <b>9030</b>
<b>XONKO 1W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>LT</b> 067° to 00S01 - <b>LT</b> 351° to 00E01 - <b>RT</b> 354° to XONKO	00110 MNM <b>1970</b> 00S01 between <b>4930</b> and <b>7060</b> 00E01 MNM <b>9030</b> XONKO MNM <b>FL110</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.

ODS-UKOO

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RNAV SIDs RWY 16 West

SIDPT

BUNAG 2W / ODSAN 1W / RATNO 2W / RETRO 2W / SURAP 2W / TURSA 2W

RWY 16 (157°)

	GS	120	150	180	210	240	270
5.5%	ft/MIN	700	900	1100	1200	1400	1600
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	Runway 16	
<b>BUNAG 2W</b> 7.0% to 4930 5.5% to 10010 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>LT</b> 203° to BUNAG	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> BUNAG MNM <b>10010</b>
<b>ODSAN 1W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>RT</b> 337° to 00W01 - <b>RT</b> 354° to ODSAN	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> 00W01 MNM <b>8040</b> ODSAN MNM <b>10010</b>
<b>RATNO 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>RT</b> 248° to RATNO	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> RATNO MNM <b>10010</b>
<b>RETRO 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>RT</b> 323° to 00W03 - <b>LT</b> 308° to RETRO	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> 00W03 MNM <b>8040</b> RETRO MNM <b>10010</b>
<b>SURAP 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>RT</b> 323° to 00W03 - <b>LT</b> 263° to SURAP	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> 00W03 MNM <b>8040</b> SURAP MNM <b>10010</b>
<b>TURSA 2W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>RT</b> 323° to 00W03 - <b>LT</b> 285° to TURSA	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> 00W03 MNM <b>8040</b> TURSA MNM <b>8040</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.

ODS-UKOO

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RNAV SIDs RWY 16 West

SIDPT

## VAKOM 1W

RWY 16 (157°)

	GS	120	150	180	210	240	270
	7.0%	ft/MIN	900	1100	1300	1500	1800

DESIGNATOR	ROUTING	ALTITUDES
	Runway 16	
<b>VAKOM 1W</b> 7.0% to 4930 <b>120.900</b> ①②	00110 - 00120 - <b>RT</b> 247° to 00S03 - <b>RT</b> 337° to 00W01 - <b>RT</b> 008° to 00N01 - 008° to VAKOM	00110 MNM <b>1970</b> 00S03 between <b>4930</b> and <b>7060</b> 00W01 MNM <b>8040</b> 00N01 MNM <b>FL150</b> VAKOM MNM <b>FL190</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.

## ODS-UKOO

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## RNAV SIDs RWY 34 East

**AMGOL 2X / BANID 2X / KOSAK 2X / MOKAD 2X / PERED 2X / TARKA 2X****RWY 34 (337°)**

	GS	120	150	180	210	240	270
6.0%	ft/MIN	800	1000	1100	1300	1500	1700
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 34</b>	
<b>AMGOL 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>RT</b> 067° to 00N04 - <b>RT</b> 139° to 00E04 - <b>LT</b> 130° to AMGOL	00310 MNM <b>1970</b> 00N04 between <b>4930</b> and <b>7060</b> 00E04 MNM <b>9030</b> AMGOL MNM <b>9030</b>
<b>BANID 2X</b> 7.0% to 4930 6.0% to FL110 <b>120.900</b> ①②③	00310 - 00320 - <b>RT</b> 067° to 00N04 - <b>RT</b> 101° to 00E06 - <b>LT</b> 078° to BANID	00310 MNM <b>1970</b> 00N04 between <b>4930</b> and <b>7060</b> 00E06 MNM <b>FL110</b> BANID MNM <b>FL110</b>
<b>KOSAK 2X</b> 7.0% to 4930 6.0% to FL110 <b>120.900</b> ①②③	00310 - 00320 - <b>RT</b> 067° to 00N04 - <b>RT</b> 101° to 00E06 - <b>RT</b> 120° to KOSAK	00310 MNM <b>1970</b> 00N04 between <b>4930</b> and <b>7060</b> 00E06 MNM <b>FL110</b> KOSAK MNM <b>FL110</b>
<b>MOKAD 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>RT</b> 067° to 00N04 - <b>LT</b> 060° to 00330 - MOKAD	00310 MNM <b>1970</b> 00N04 between <b>4930</b> and <b>7060</b> 00330 MNM <b>7060</b> MOKAD MNM <b>9030</b>
<b>PERED 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>LT</b> 247° to 00N02 - <b>LT</b> 157° to 00W02 - <b>LT</b> 141° to PERED	00310 MNM <b>1970</b> 00N02 between <b>4930</b> and <b>7060</b> 00W02 MNM <b>9030</b> PERED MNM <b>9030</b>
<b>TARKA 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>RT</b> 067° to 00N04 - <b>RT</b> 157° to 00E02 - TARKA	00310 MNM <b>1970</b> 00N04 between <b>4930</b> and <b>7060</b> 00E02 MNM <b>9030</b> TARKA MNM <b>9030</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.  
 ③ Close-in OBST on RWY CL, 220ft AMSL, 0.5NM from THR RWY 16.

ODS-UKOO

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RNAV SIDs RWY 34 East

## VAKOM 1X / XONKO 1X

RWY 34 (337°)

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	Runway 34	
<b>VAKOM 1X</b> 7.0% to 4930 5.0% to FL190 <b>120.900</b> ①②③	00310 - 00320 - RT 360° to VAKOM	00310 MNM <b>1970</b> VAKOM MNM <b>FL190</b>
<b>XONKO 1X</b> 7.0% to 4930 5.0% to FL110 <b>120.900</b> ①②③	00310 - 00320 - RT 018° to XONKO	00310 MNM <b>1970</b> XONKO MNM <b>FL110</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.
- ② If unable to comply, advise ATC.
- ③ Close-in OBST on RWY CL, 220ft AMSL, 0.5NM from THR RWY 16.

## ODS-UKOO

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## RNAV SIDs RWY 34 West

BUNAG 2X / ODSAN 1X / RATNO 2X / RETRO 2X / SURAP 2X / TURSA 2X

RWY 34 (337°)

	GS	120	150	180	210	240	270
	7.0%	ft/MIN	900	1100	1300	1500	1800

DESIGNATOR	ROUTING	ALTITUDES
	Runway 34	
<b>BUNAG 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>LT</b> 247° to 00N02 - <b>LT</b> 171° to 00W04 - <b>RT</b> 189° to BUNAG	00310 MNM <b>1970</b> 00N02 between <b>4930</b> and <b>7060</b> 00W04 MNM <b>10010</b> BUNAG MNM <b>10010</b>
<b>ODSAN 1X</b> 7% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>RT</b> 342° to ODSAN	00310 MNM <b>1970</b> ODSAN MNM <b>10010</b>
<b>RATNO 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>LT</b> 247° to 00N02 - <b>LT</b> 200° to RATNO	00310 MNM <b>1970</b> 00N02 between <b>4930</b> and <b>7060</b> RATNO MNM <b>10010</b>
<b>RETRO 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>LT</b> 247° to 00N02 - <b>RT</b> 304° to RETRO	00310 MNM <b>1970</b> 00N02 between <b>4930</b> and <b>7060</b> RETRO MNM <b>10010</b>
<b>SURAP 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>LT</b> 247° to 00N02 - <b>RT</b> 266° to SURAP	00310 MNM <b>1970</b> 00N02 between <b>4930</b> and <b>7060</b> SURAP MNM <b>10010</b>
<b>TURSA 2X</b> 7.0% to 4930 <b>120.900</b> ①②③	00310 - 00320 - <b>LT</b> 247° to 00N02 - <b>RT</b> 282° to TURSA	00310 MNM <b>1970</b> 00N02 between <b>4930</b> and <b>7060</b> TURSA MNM <b>8040</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.  
 ③ Close-in OBST on RWY CL, 220ft AMSL, 0.5NM from THR RWY 16.

## ODS-UKOO

5-70

## SIDs RWY 16 North / West

SIDPT

ODSAN 1E / RETRO 2E / SURAP 2E / TURSA 2E / VAKOM 1E / XONKO 1E

RWY 16 (157°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 16		
<b>ODSAN 1E</b> <b>120.900</b> ①②	at D5.5 <b>ODS LT 292° to ODS - R341 ODS to ODSAN</b>	D5.5 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> ODSAN MNM 10010
<b>RETRO 2E</b> <b>120.900</b> ①②	at D5.5 <b>ODS LT 292° to ODS - R303 ODS to RETRO</b>	D5.5 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> RETRO MNM 10010
<b>SURAP 2E</b> <b>120.900</b> ①②	at D5.5 <b>ODS LT 292° to ODS - R276 ODS to SURAP</b>	D5.5 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> SURAP MNM 10010
<b>TURSA 2E</b> <b>120.900</b> ①②	at D5.5 <b>ODS LT 292° to ODS - R288 ODS to TURSA</b>	D5.5 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> TURSA MNM 8040
<b>VAKOM 1E</b> <b>120.900</b> ①②	at D5.5 <b>ODS LT 292° to ODS - R357 ODS to VAKOM</b>	D5.5 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> VAKOM MNM FL190
<b>XONKO 1E</b> <b>120.900</b> ①②	at D5.5 <b>ODS LT 292° to ODS - R008 ODS to XONKO</b>	D5.5 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> XONKO MNM FL110

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.

## ODS-UKOO

5-80

## SIDs RWY 16 East / South

**AMGOL 2E / BANID 2E / BUNAG 2E / KOSAK 2E / MOKAD 2E / PERED 2E / RATNO 2E / TARKA 2E**

**RWY 16 (157°)**

	GS	120	150	180	210	240	270
6.5%	ft/MIN	800	1000	1200	1400	1600	1800
7.2%	ft/MIN	900	1100	1400	1600	1800	2000
8.0%	ft/MIN	1000	1300	1500	1800	2000	2200

DESIGNATOR	ROUTING	ALTITUDES
<b>Runway 16</b>		
<b>AMGOL 2E</b> 8.0% to 9030 <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS LT</b> 083° - crossing R120 <b>ODS RT</b> intercept R118 <b>ODS</b> to AMGOL	D5.5 <b>ODS MNM 1970</b> D16.9 <b>ODS MNM 9030</b> AMGOL MNM <b>9030</b>
<b>BANID 2E</b> 7.2% to FL110 <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS LT</b> 007° - crossing R082 <b>ODS RT</b> intercept R072 <b>ODS</b> to BANID	D5.5 <b>ODS MNM 1970</b> D18.8 <b>ODS MNM FL110</b> BANID MNM <b>FL110</b>
<b>BUNAG 2E</b> 6.5% to 10010 <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS RT</b> 237° - crossing R196 <b>ODS LT</b> intercept R198 <b>ODS</b> to BUNAG	D5.5 <b>ODS MNM 1970</b> BUNAG MNM <b>10010</b>
<b>KOSAK 2E</b> 7.2% to FL110 <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS LT</b> 042° - crossing R100 <b>ODS RT</b> intercept R094 <b>ODS</b> to KOSAK	D5.5 <b>ODS MNM 1970</b> D20.2 <b>ODS MNM FL110</b> KOSAK MNM <b>FL110</b>
<b>MOKAD 2E</b> <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS LT</b> 337° - crossing R066 <b>ODS RT</b> intercept R047 <b>ODS</b> to MOKAD	D5.5 <b>ODS MNM 1970</b> D20.5 <b>ODS MNM 7060</b> MOKAD MNM <b>9030</b>
<b>PERED 2E</b> <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS</b> intercept R159 <b>ODS</b> to PERED	D5.5 <b>ODS MNM 1970</b> PERED MNM <b>9030</b>
<b>RATNO 2E</b> <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS RT</b> 283° - crossing R220 <b>ODS LT</b> intercept R226 <b>ODS</b> to RATNO	D5.5 <b>ODS MNM 1970</b> RATNO MNM <b>10010</b>
<b>TARKA 2E</b> <b>120.900</b> <small>①②</small>	at D5.5 <b>ODS</b> intercept R146 <b>ODS</b> to TARKA	D5.5 <b>ODS MNM 1970</b> TARKA MNM <b>9030</b>

① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.

② If unable to comply, advise ATC.

## ODS-UKOO

5-90

SIDs RWY 34 Northeast / Southeast

**AMGOL 2F / BANID 2F / KOSAK 2F / MOKAD 2F / PERED 2F / TARKA 2F / VAKOM 1F / XONKO 1F**

RWY 34 (337°)

	GS	120	150	180	210	240	270
5.0%	ft/MIN	700	800	1000	1100	1300	1400
6.0%	ft/MIN	800	1000	1100	1300	1500	1700

DESIGNATOR	ROUTING	ALTITUDES
<b>Runway 34</b>		
<b>AMGOL 2F</b> 120.900 ①②③	at D4.9 <b>ODS RT</b> 206° to <b>ODS - R118 ODS</b> to AMGOL	D4.9 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> D16.9 <b>ODS MNM 9030</b> AMGOL MNM <b>9030</b>
<b>BANID 2F</b> 6.0% to FL110 120.900 ①②③	at D4.9 <b>ODS RT</b> 157° - crossing R047 <b>ODS LT</b> intercept R072 <b>ODS</b> to BANID	D4.9 <b>ODS MNM 1970</b> D18.8 <b>ODS MNM FL110</b> BANID MNM <b>FL110</b>
<b>KOSAK 2F</b> 6.0% to FL110 120.900 ①②③	at D4.9 <b>ODS RT</b> 157° - crossing R080 <b>ODS LT</b> intercept R094 <b>ODS</b> to KOSAK	D4.9 <b>ODS MNM 1970</b> D20.2 <b>ODS MNM FL110</b> KOSAK MNM <b>FL110</b>
<b>MOKAD 2F</b> 120.900 ①②③	at D4.9 <b>ODS RT</b> 098° - crossing R042 <b>ODS LT</b> intercept R047 <b>ODS</b> to MOKAD	D4.9 <b>ODS MNM 1970</b> D20.5 <b>ODS MNM 7060</b> MOKAD MNM <b>9030</b>
<b>PERED 2F</b> 120.900 ①②③	at D4.9 <b>ODS RT</b> 206° to <b>ODS - R159 ODS</b> to PERED	D4.9 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> PERED MNM <b>9030</b>
<b>TARKA 2F</b> 120.900 ①②③	at D4.9 <b>ODS RT</b> 206° to <b>ODS - R146 ODS</b> to TARKA	D4.9 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> TARKA MNM <b>9030</b>
<b>VAKOM 1F</b> 5% to FL190 120.900 ①②③	at D4.9 <b>ODS RT</b> 034° - crossing R354 <b>ODS LT</b> intercept R357 <b>ODS</b> to VAKOM	D4.9 <b>ODS MNM 1970</b> VAKOM MNM <b>FL190</b>
<b>XONKO 1F</b> 5% to FL110 120.900 ①②③	at D4.9 <b>ODS RT</b> 034° - crossing R007 <b>ODS LT</b> intercept R008 <b>ODS</b> to XONKO	D4.9 <b>ODS MNM 1970</b> XONKO MNM <b>FL110</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.
- ② If unable to comply, advise ATC.
- ③ Close-in OBST on RWY CL, 220ft AMSL, 0.5NM from THR RWY 16.

## ODS-UKOO

5-100

SIDs RWY 34 Northwest / Southwest

**BUNAG 2F / ODSAN 1F / RATNO 2F / RETRO 2F / SURAP 2F / TURSA 2F**

RWY 34 (337°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 34		
<b>BUNAG 2F 120.900 ①②③</b>	at D4.9 <b>ODS RT</b> 206° to <b>ODS</b> - R198 <b>ODS</b> to BUNAG	D4.9 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> BUNAG MNM <b>10010</b>
<b>ODSAN 1F 120.900 ①②③</b>	at D4.9 <b>ODS</b> intercept R341 <b>ODS</b> to ODSAN	D4.9 <b>ODS MNM 1970</b> ODSAN MNM <b>10010</b>
<b>RATNO 2F 120.900 ①②③</b>	at D4.9 <b>ODS RT</b> 206° to <b>ODS</b> - R226 <b>ODS</b> to RATNO	D4.9 <b>ODS MNM 1970</b> <b>ODS MNM 4930</b> RATNO MNM <b>10010</b>
<b>RETRO 2F 120.900 ①②③</b>	at D4.9 <b>ODS LT</b> 273° - crossing R305 <b>ODS RT</b> intercept R303 <b>ODS</b> to RETRO	D4.9 <b>ODS MNM 1970</b> RETRO MNM <b>10010</b>
<b>SURAP 2F 120.900 ①②③</b>	at D4.9 <b>ODS LT</b> 228° - crossing R281 <b>ODS RT</b> intercept R276 <b>ODS</b> to SURAP	D4.9 <b>ODS MNM 1970</b> SURAP MNM <b>10010</b>
<b>TURSA 2F 120.900 ①②③</b>	at D4.9 <b>ODS LT</b> 247° - crossing R291 <b>ODS RT</b> intercept R288 <b>ODS</b> to TURSA	D4.9 <b>ODS MNM 1970</b> TURSA MNM <b>8040</b>

- ① Do not enter T804A, T804B, T804C without prior coordination with Odesa ATC.  
 ② If unable to comply, advise ATC.  
 ③ Close-in OBST on RWY CL, 220ft AMSL, 0.5NM from THR RWY 16.

**Effective 23-JUN-2016**

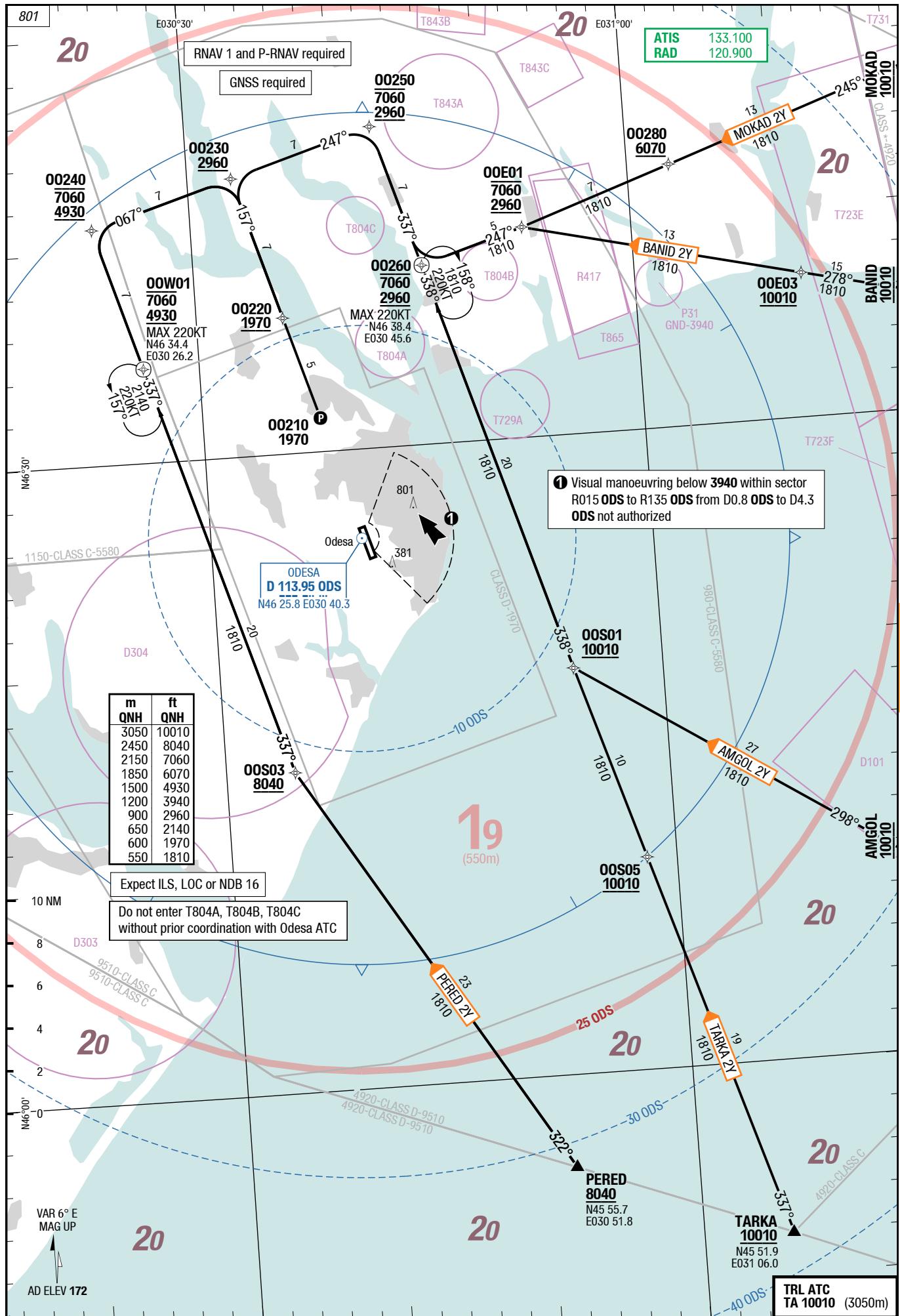
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6-10

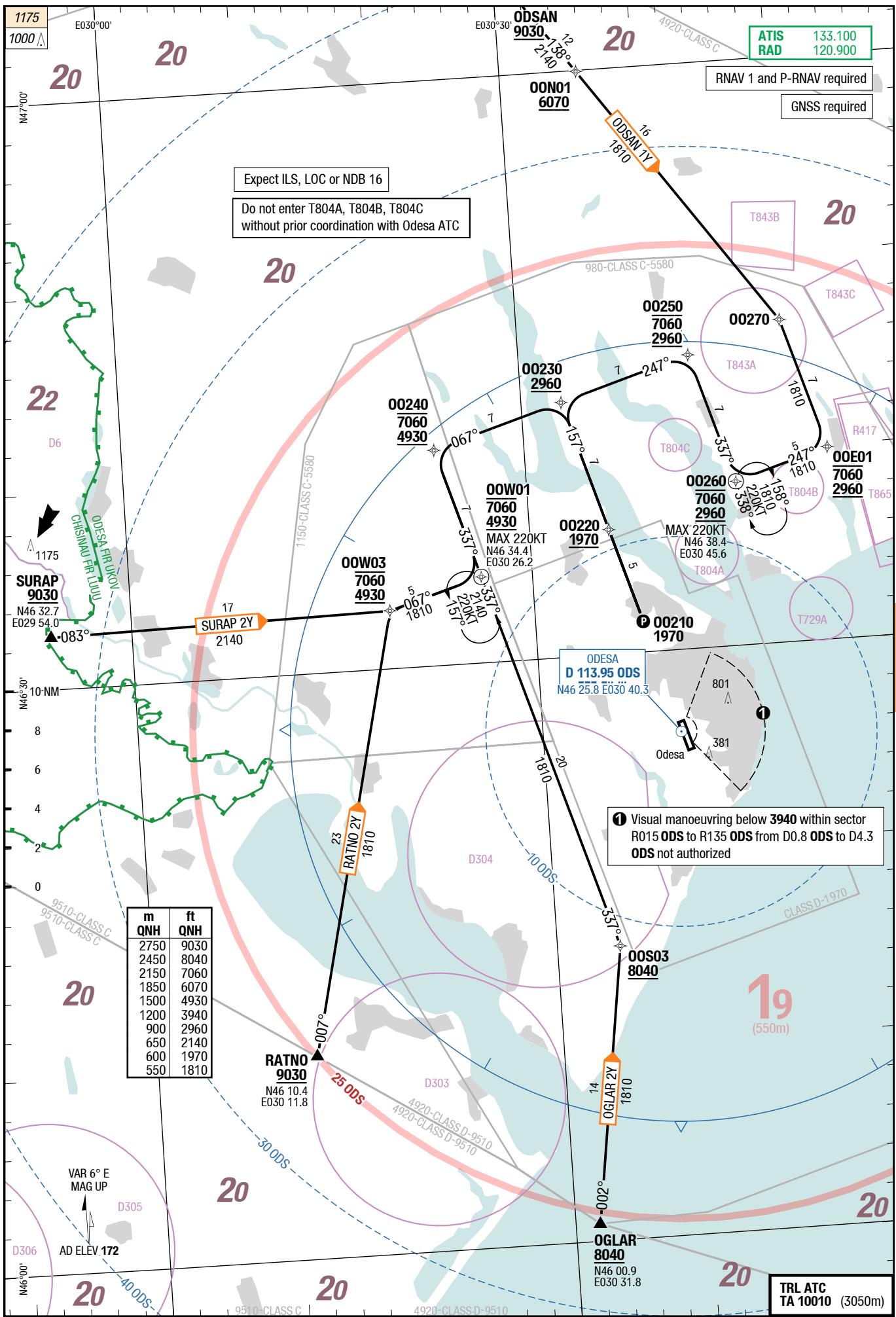
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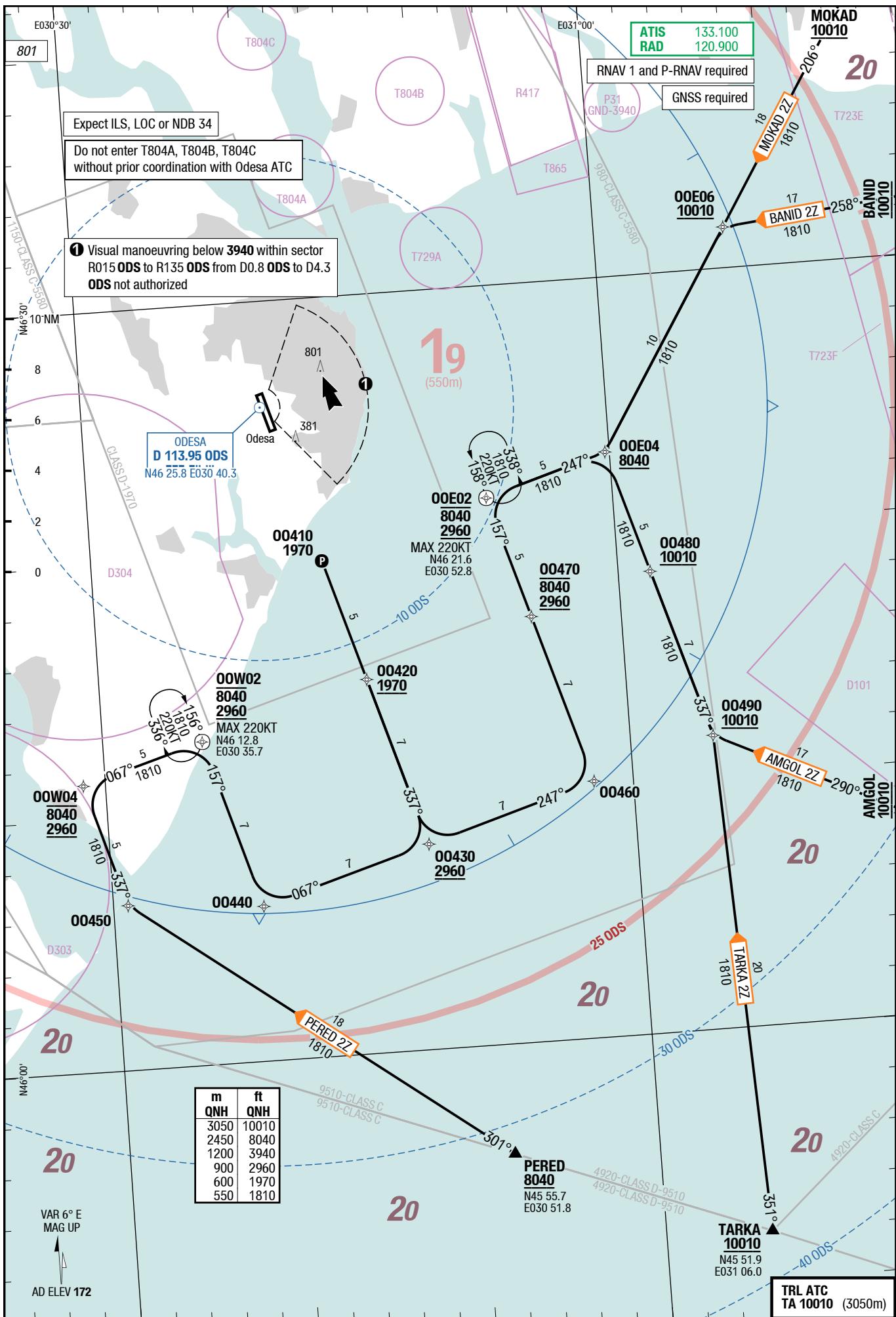
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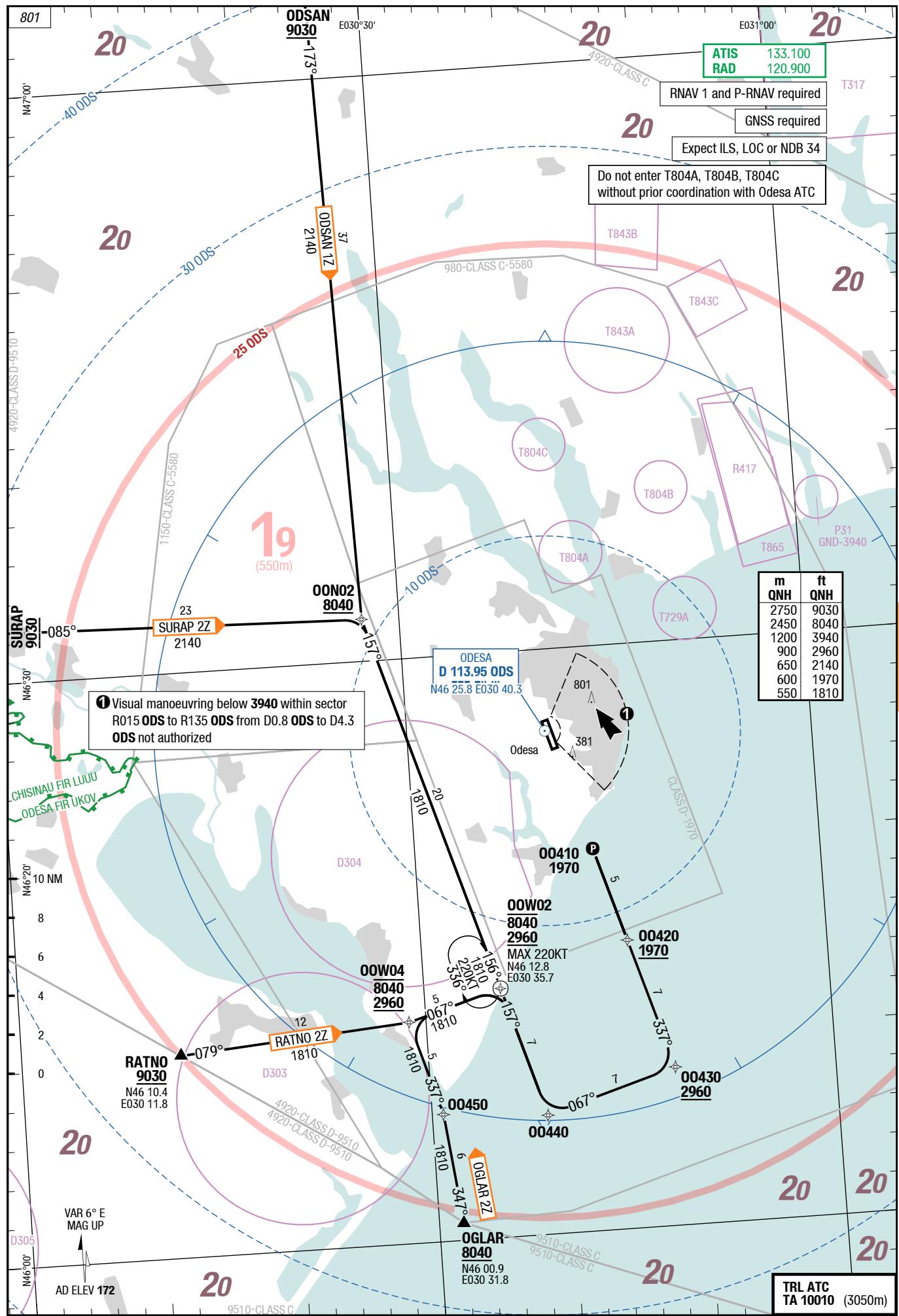
**Odesa Intl Odesa Ukraine**  
RNAV STARS RWY 16 West  
**RNAV STARS RWY 16 East**



Changes: ASP, SUAS, Note







Effective 23-JUN-2016

16-JUN-2016

ODS-UKOO

Ukraine Odesa Odesa Intl

STARs RWY 34

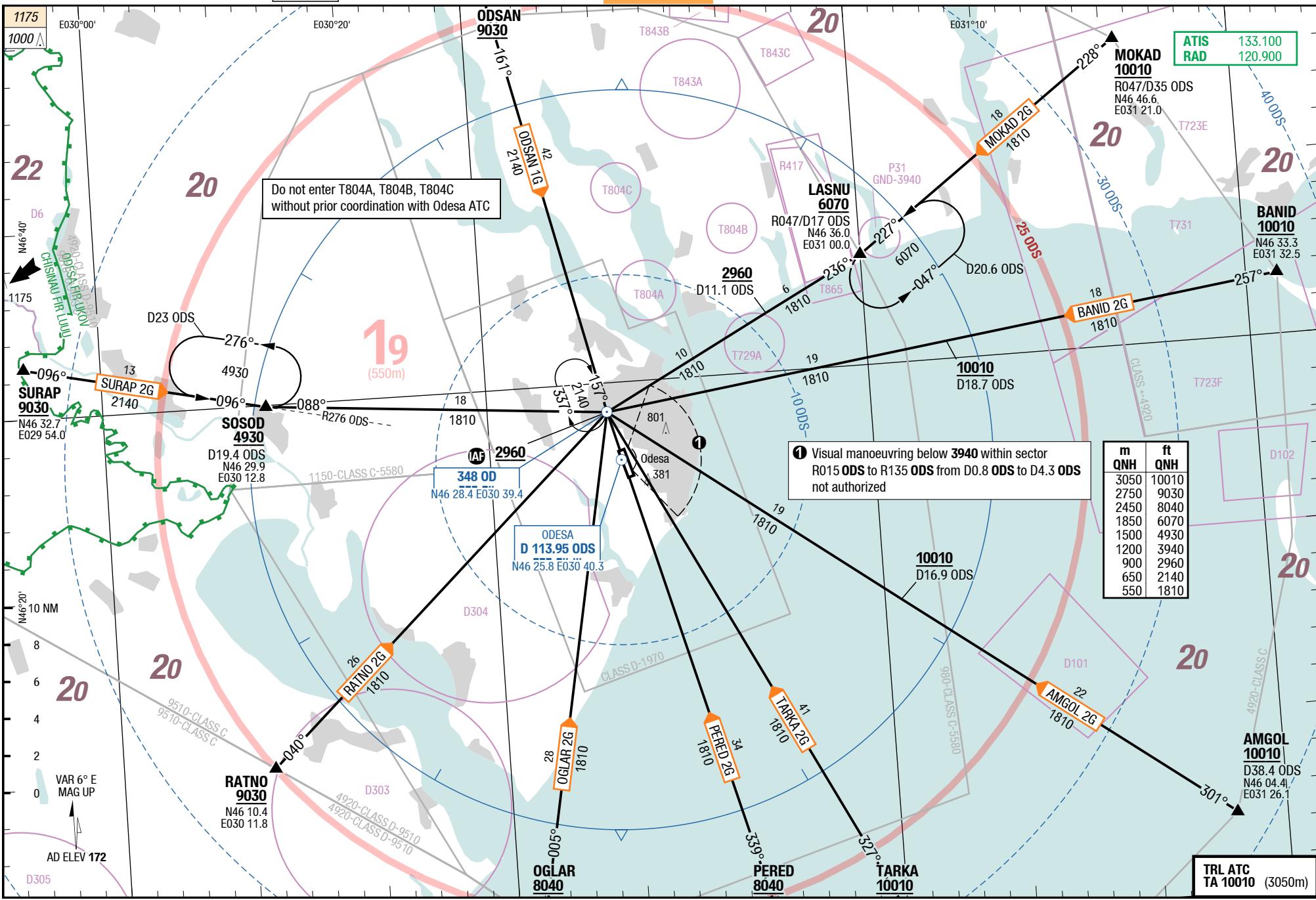
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Odesa Intl Odesa Ukraine

STARs RWY 34

STARs RWY 16

6-50



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Odesa Intl Odesa Ukraine

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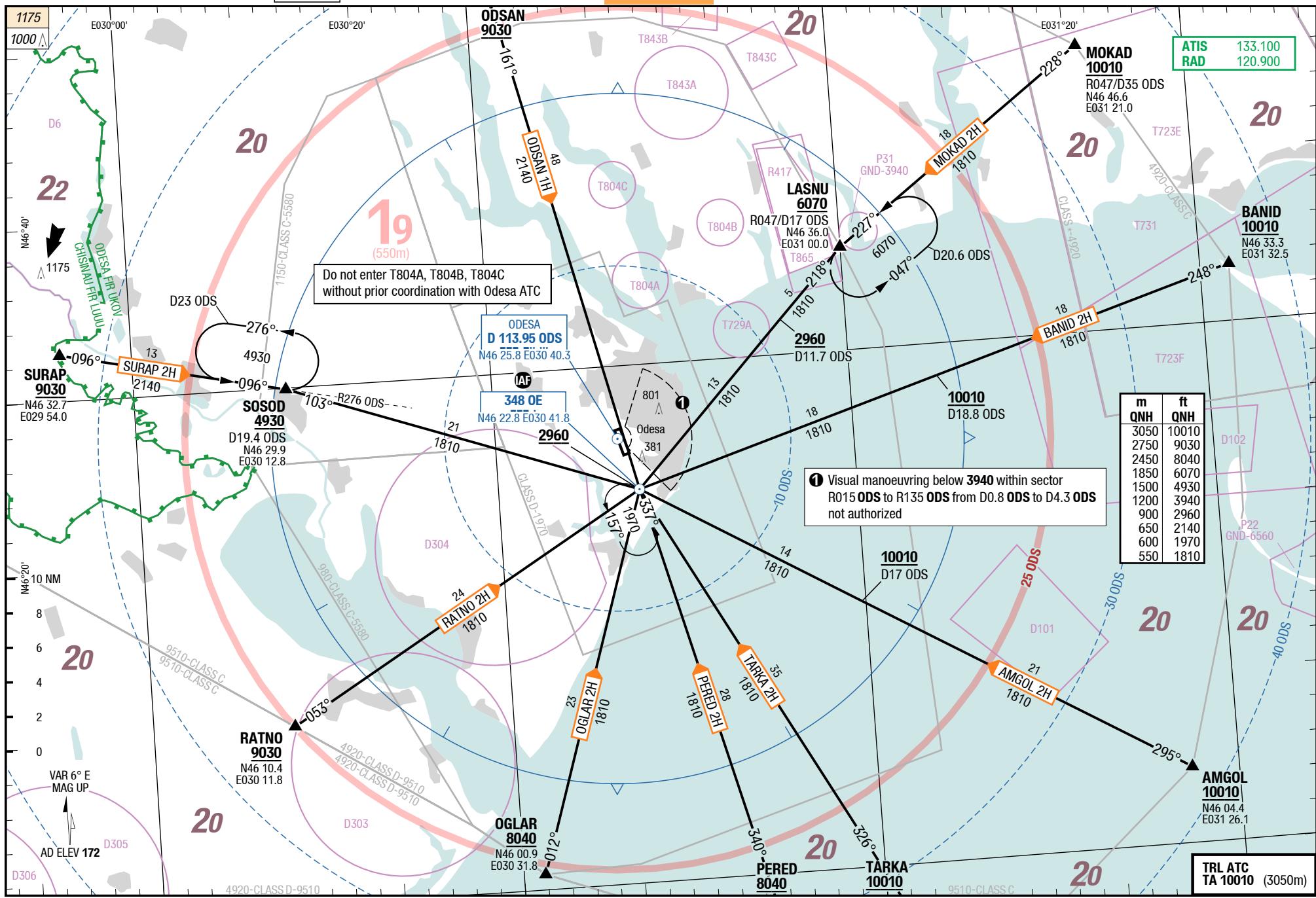
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STARs RWY 34

STAR

STAR

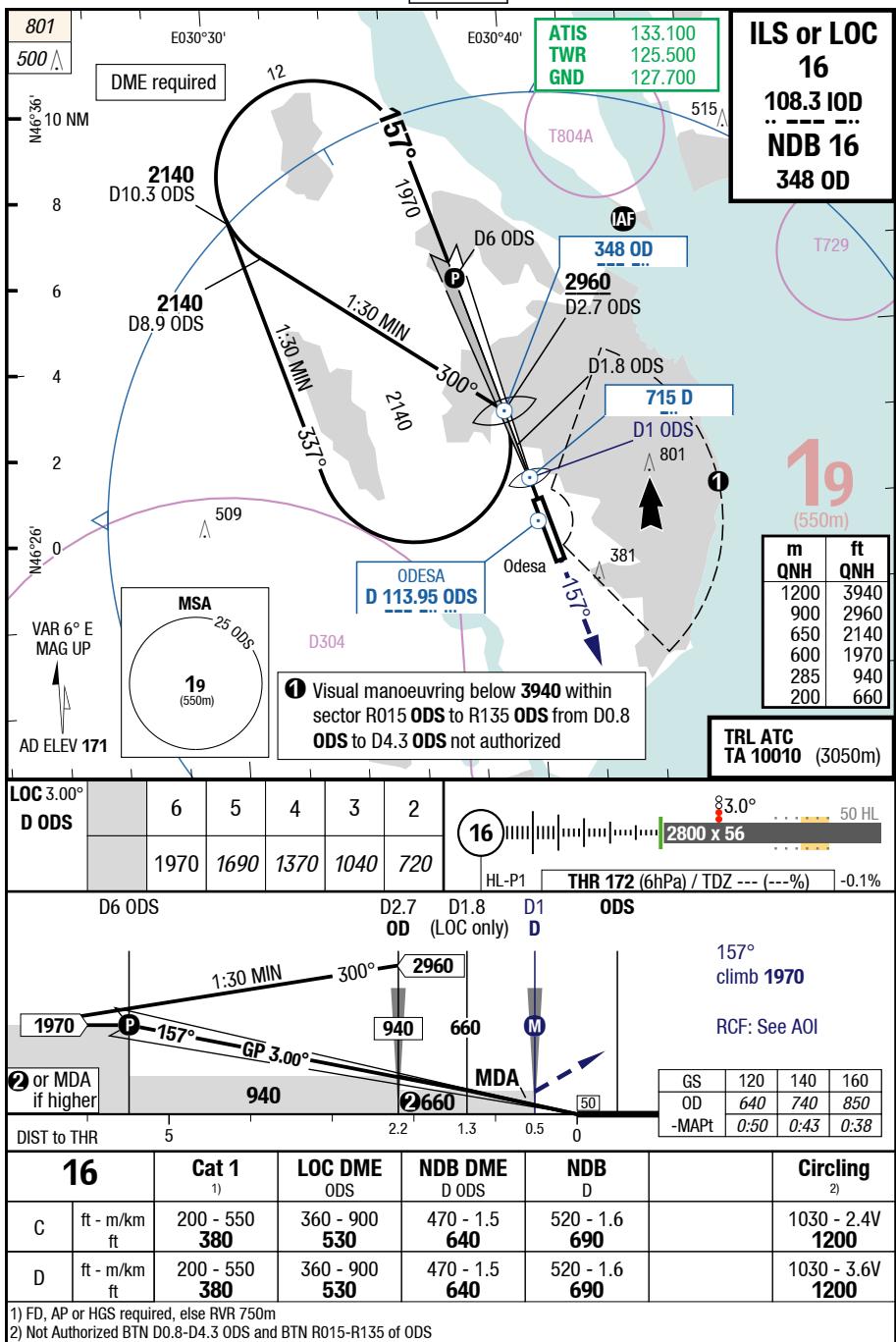
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## ODS-UKOO

7-10

## ILS or LOC 16 / NDB 16

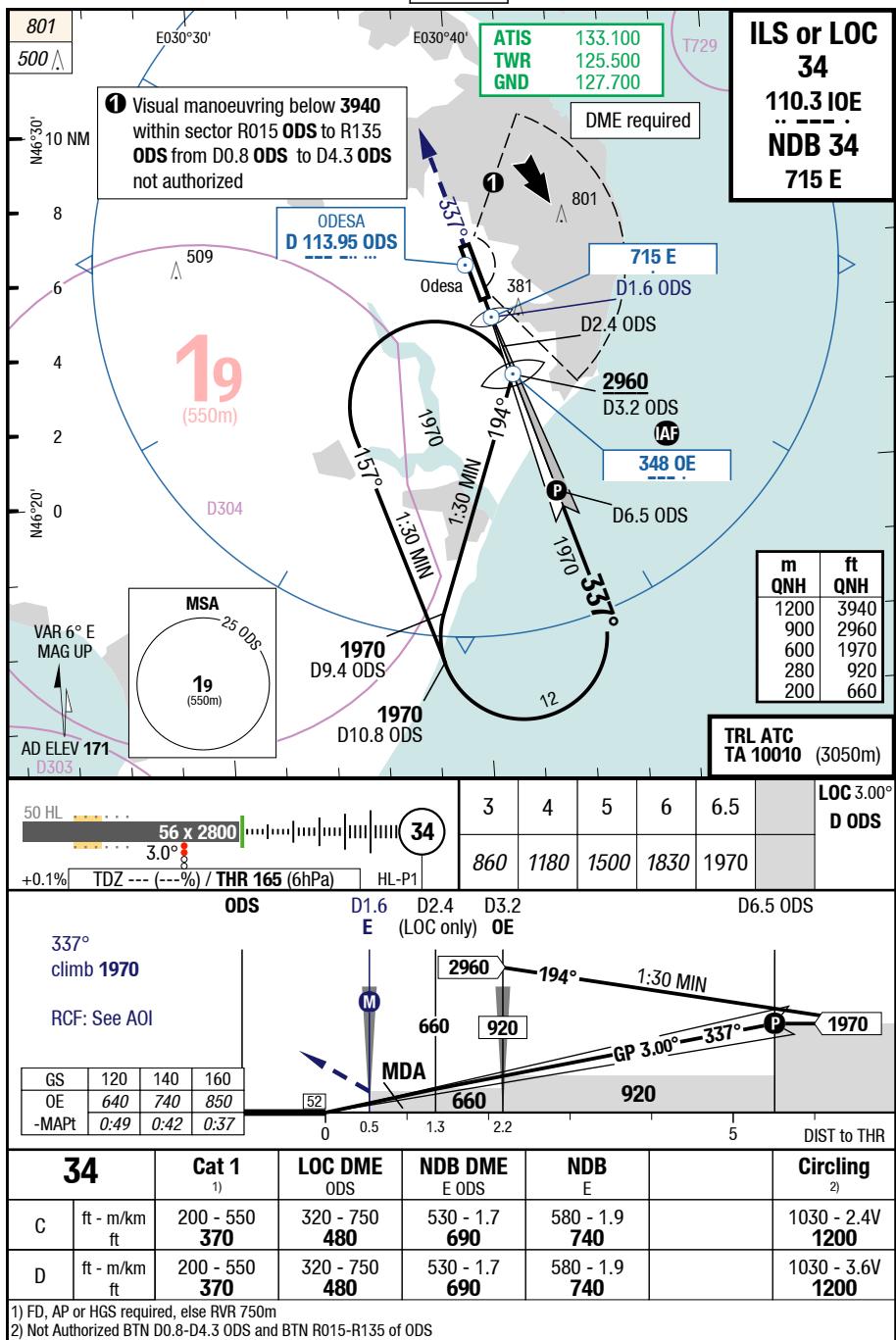


Changes: FREQ, APL, SUAs, AD ELEV

7-20

ILS or LOC 34 / NDB 34

14



#### Changes: EREQ, API, SUAs, AD, ELEV

## Changes: FREQ, APL, SUAs, AD ELEV

10-DEC-2015

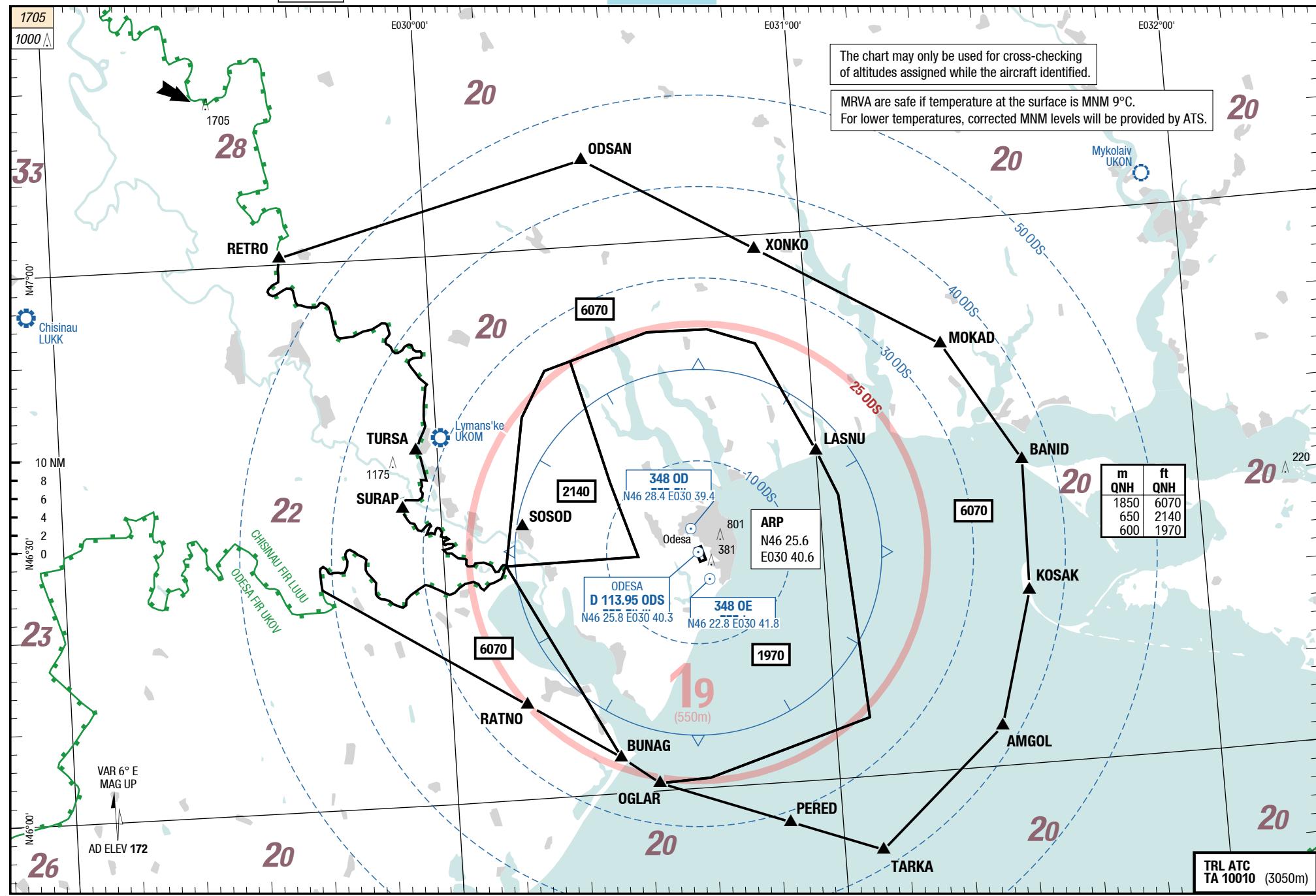
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MRC  
MRC

Odesa Intl Odesa Ukraine

8-10



Changes: Reprint