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Trip Kit Index

Airport Information For UKOO

Terminal Charts For UKOO

Revision Letter For Cycle 17-2013

Change Notices

Notebook

General Information

Location: Odesa Ukr
IATA Code: ODS
Lat/Long: N46° 25.6' E030° 40.6'
Elevation: 172 ft

Airport Use: Public
Magnetic Variation: 6.1°E

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

Sunrise: 0309 Z
Sunset: 1649 Z,

Runway Information

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

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

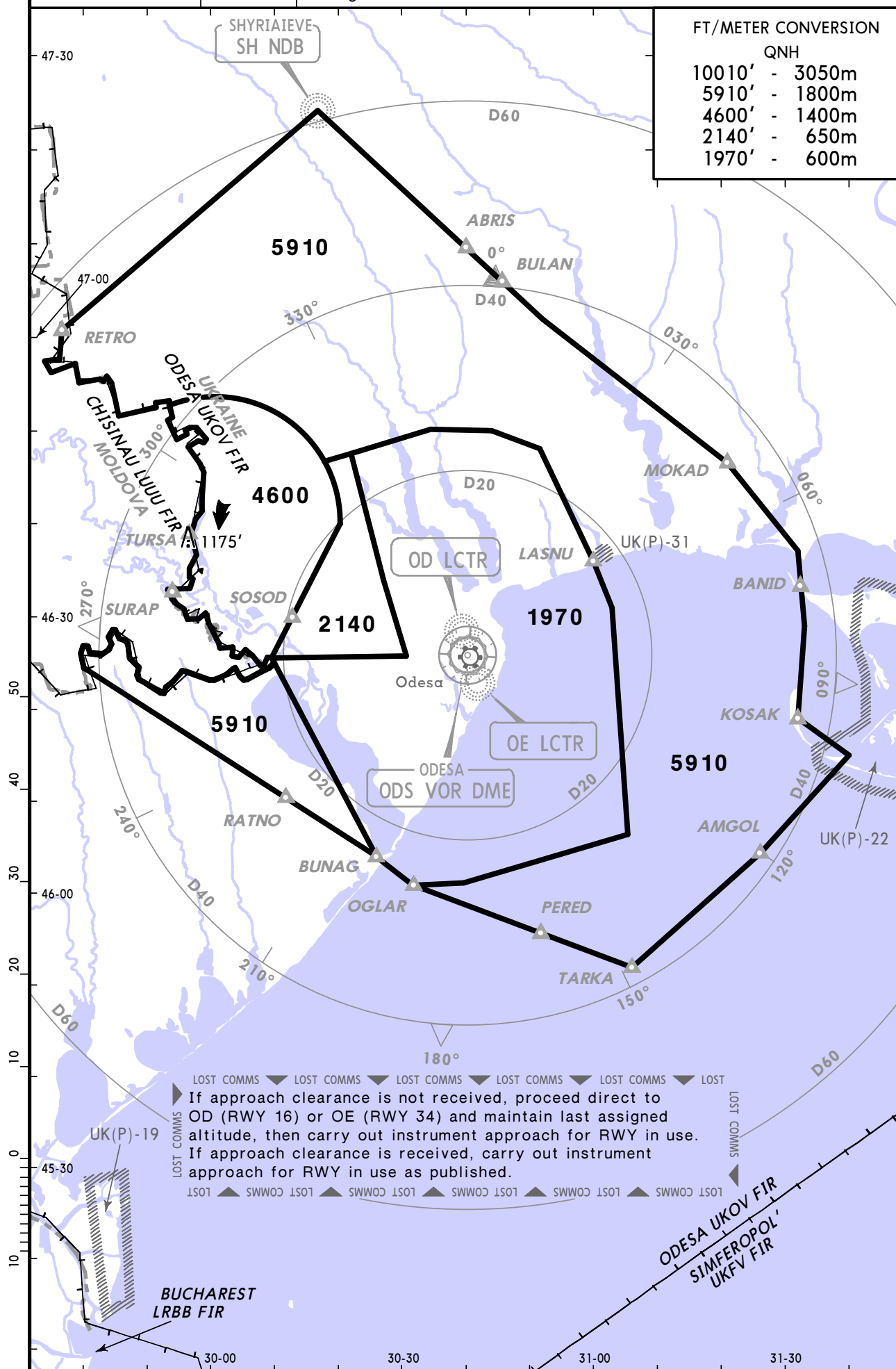
Communication Information

ATIS 133.1
ATIS 124.8 Non-English
Odesa Tower 125.5
Odesa Ground Control 121.8
Odesa Radar Approach Control 127.7
Odesa Radar Approach Control 120.9

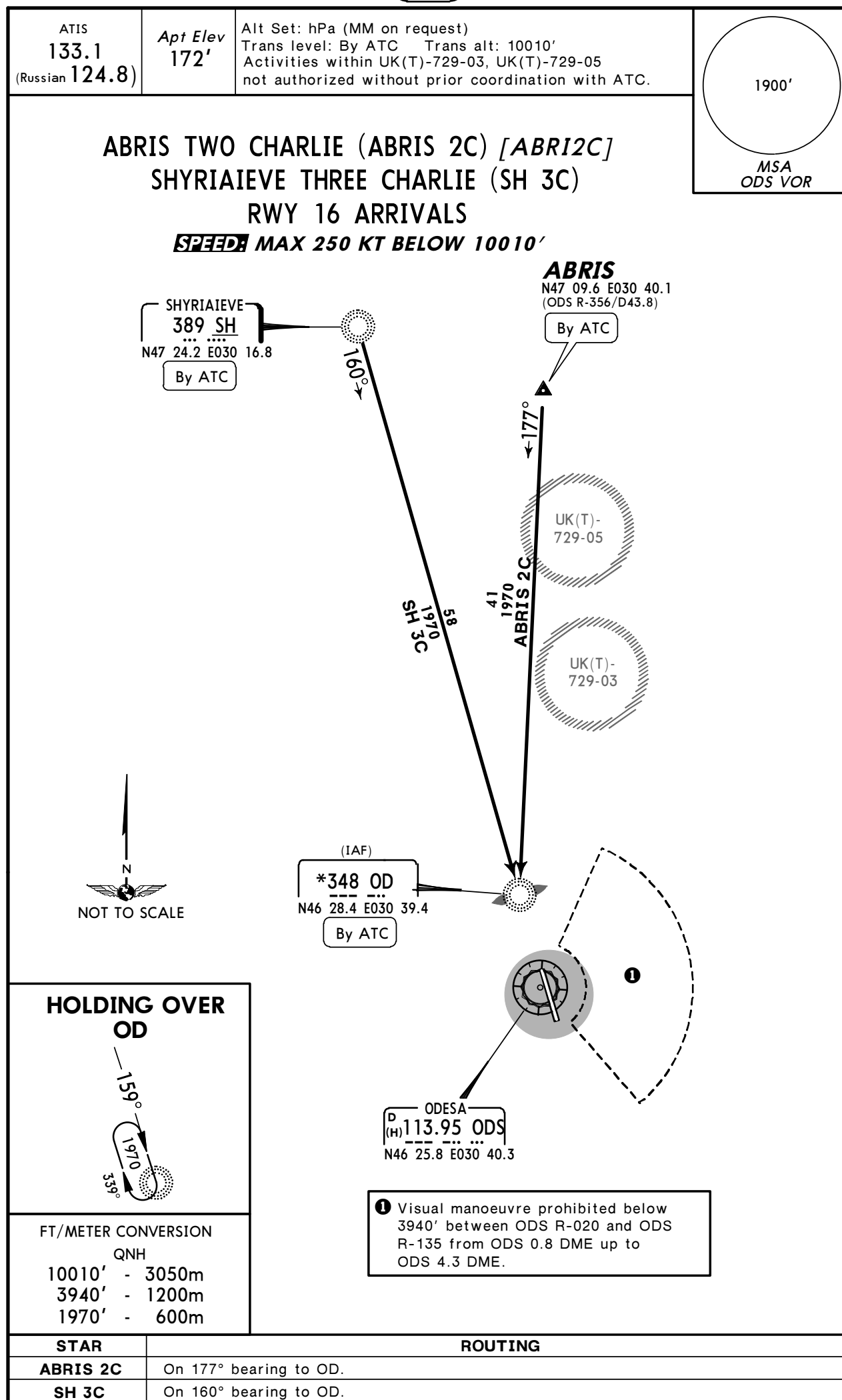
Alt Set: hPa (MM on request)
Trans level: By ATC Trans alt: 10010'
This chart may only be used for cross-checking of altitudes
assigned while under radar control.

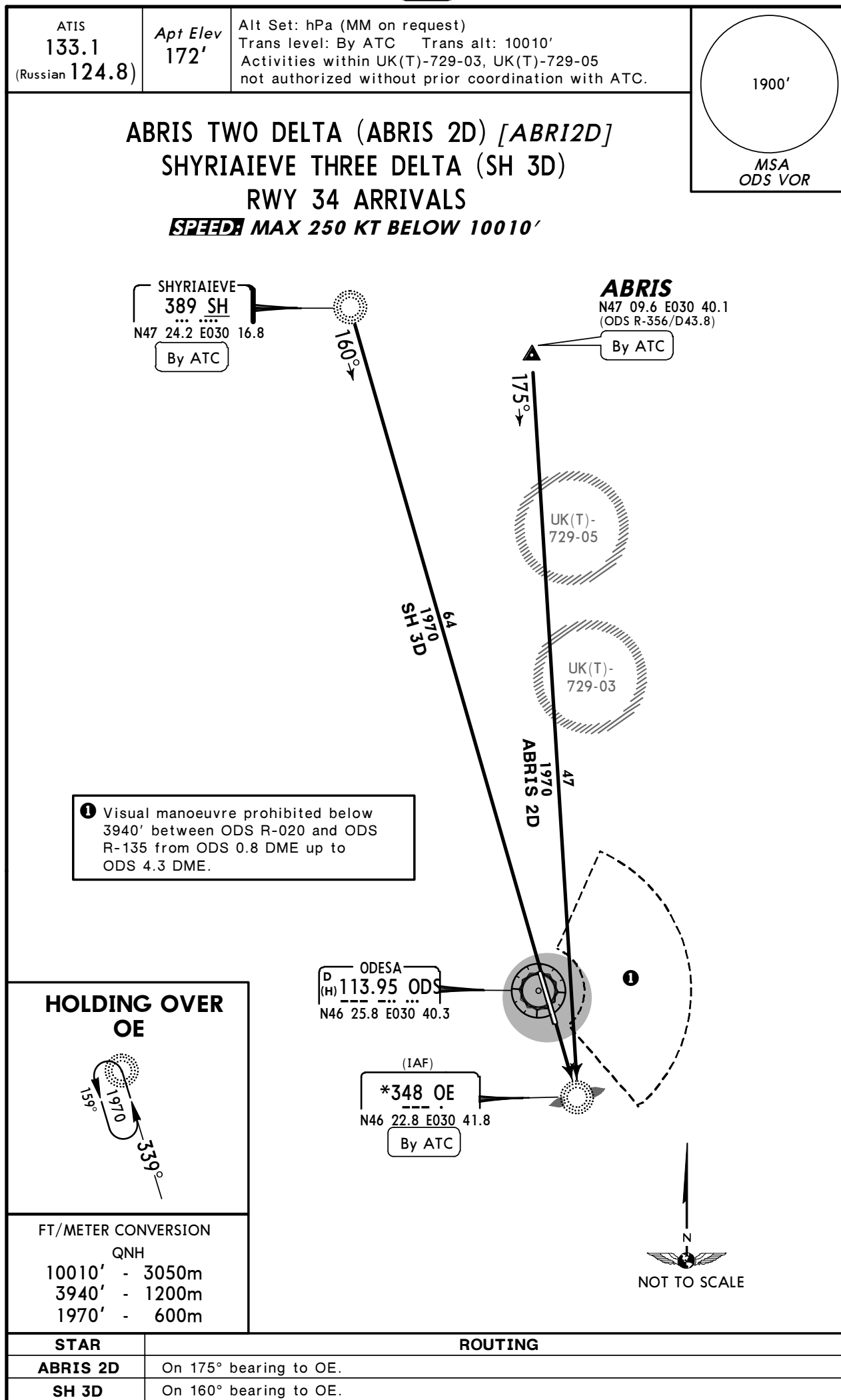
FT/METER CONVERSION

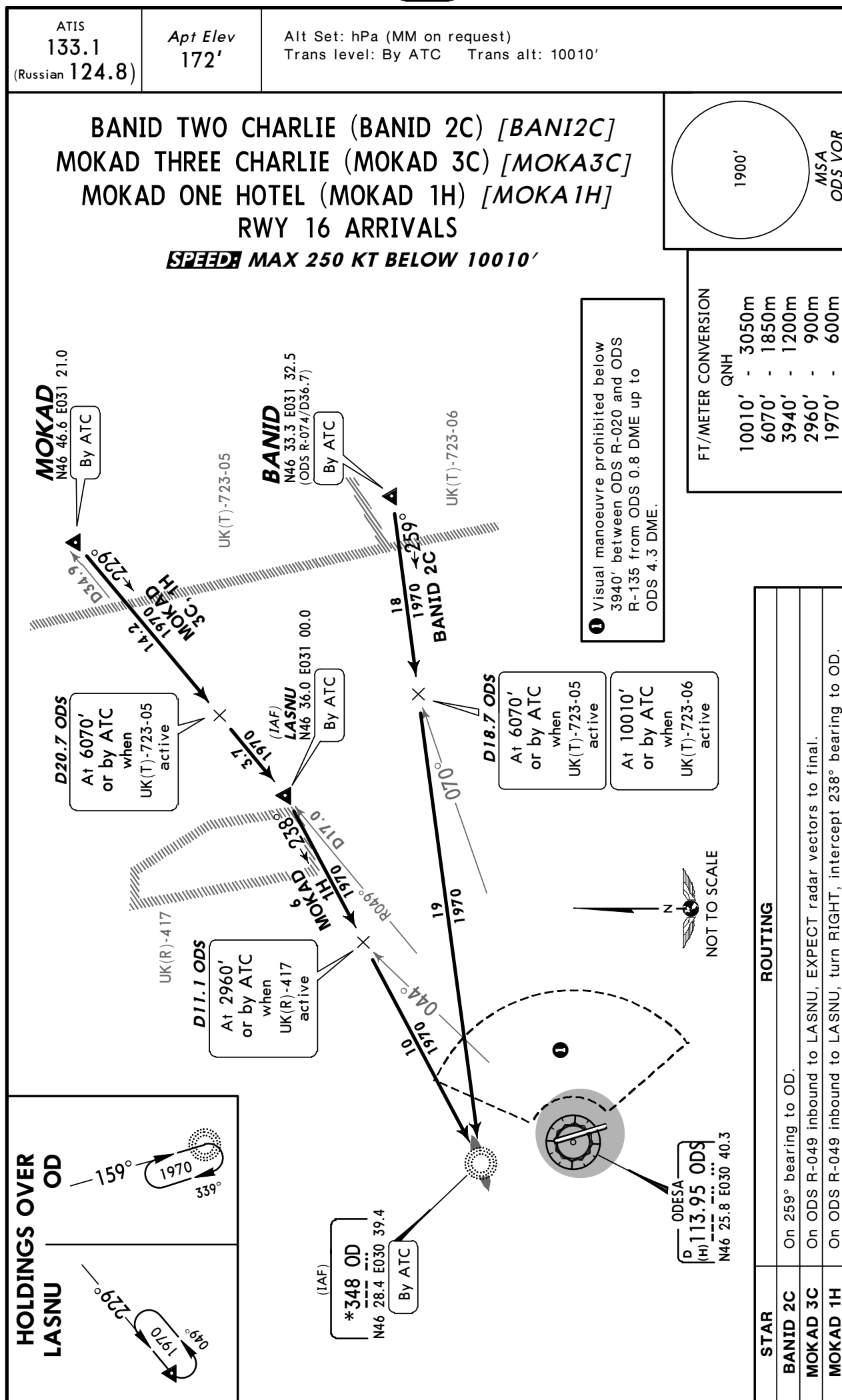
QNH	
10010'	- 3050m
5910'	- 1800m
4600'	- 1400m
2140'	- 650m
1970'	- 600m

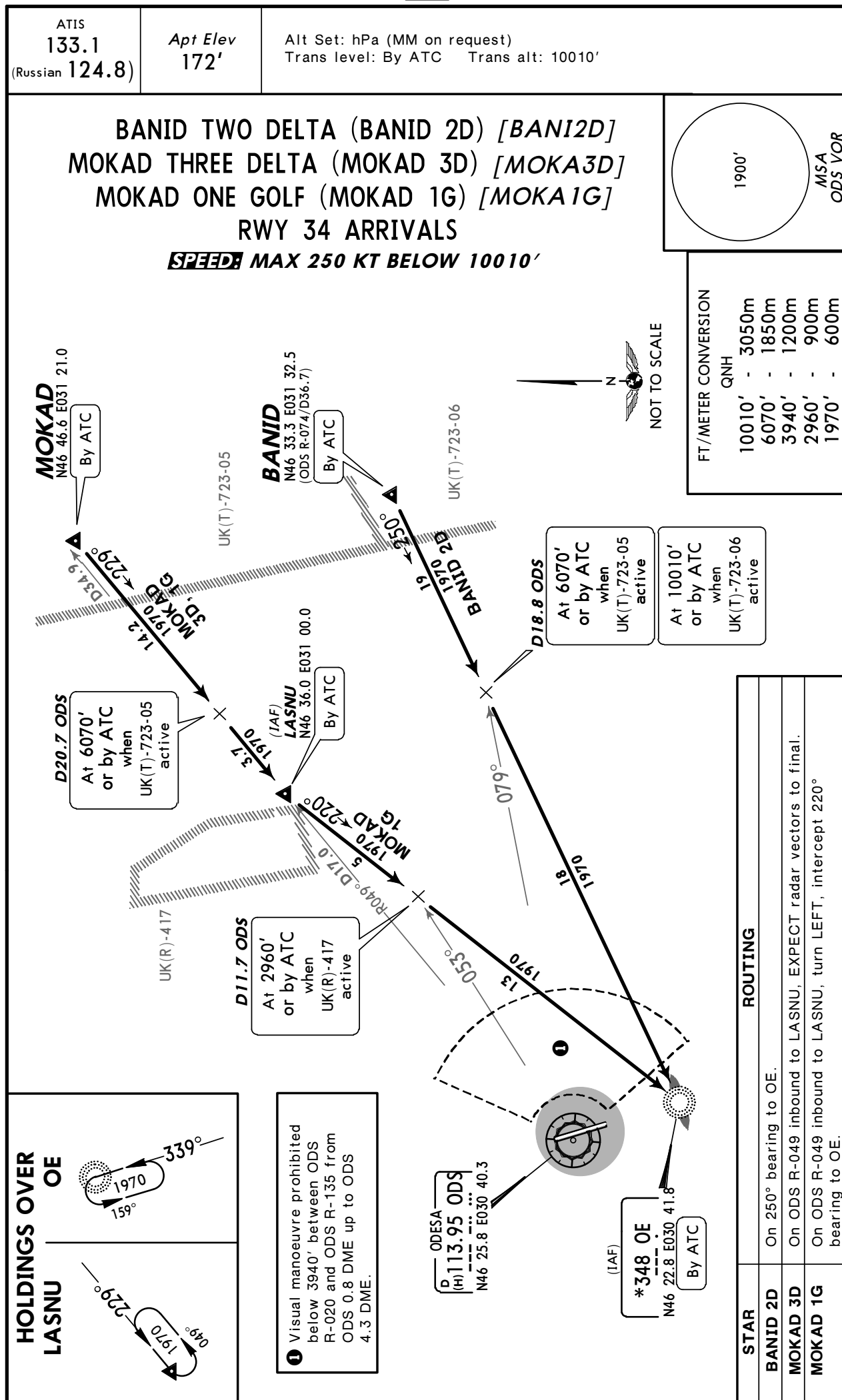


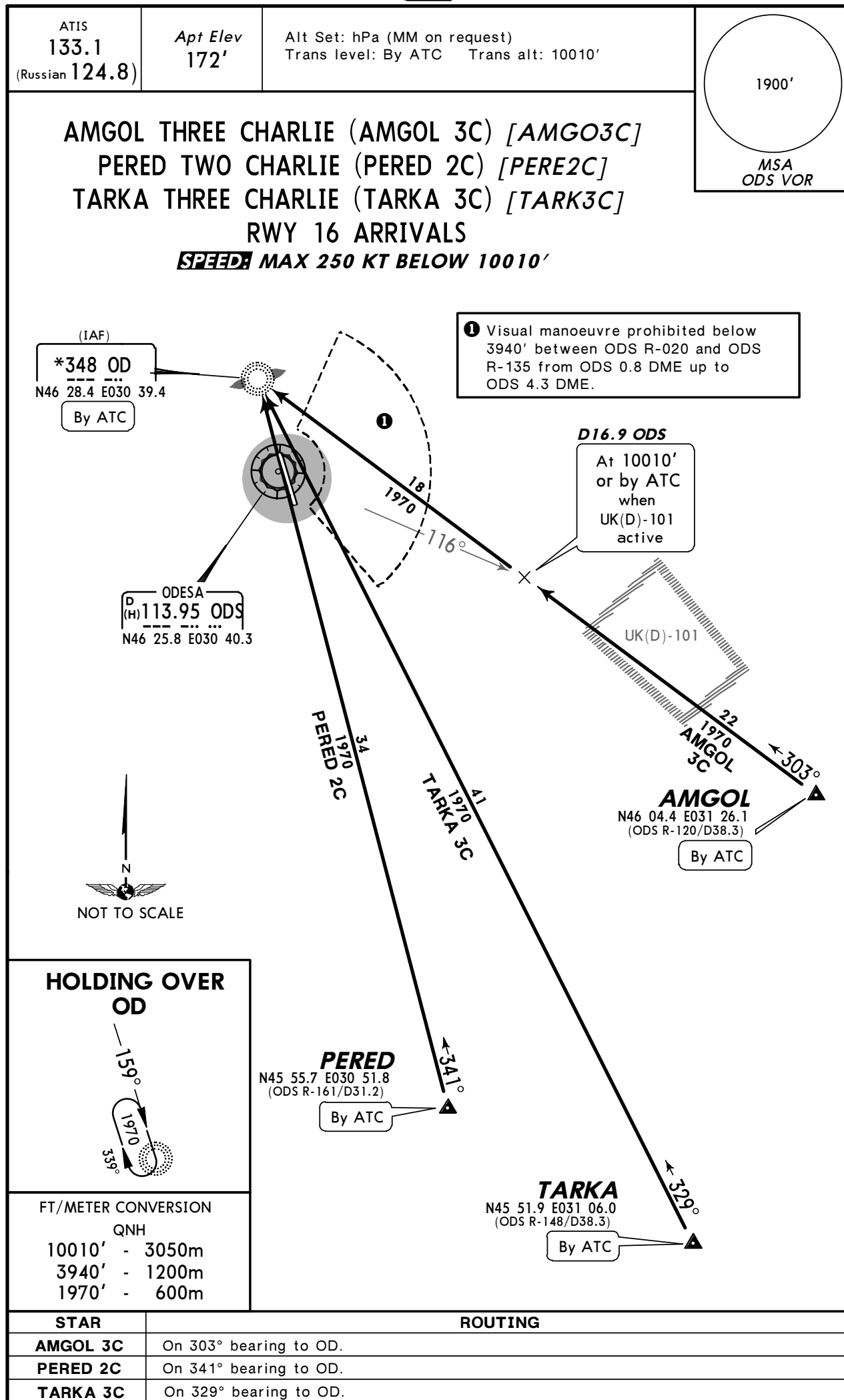
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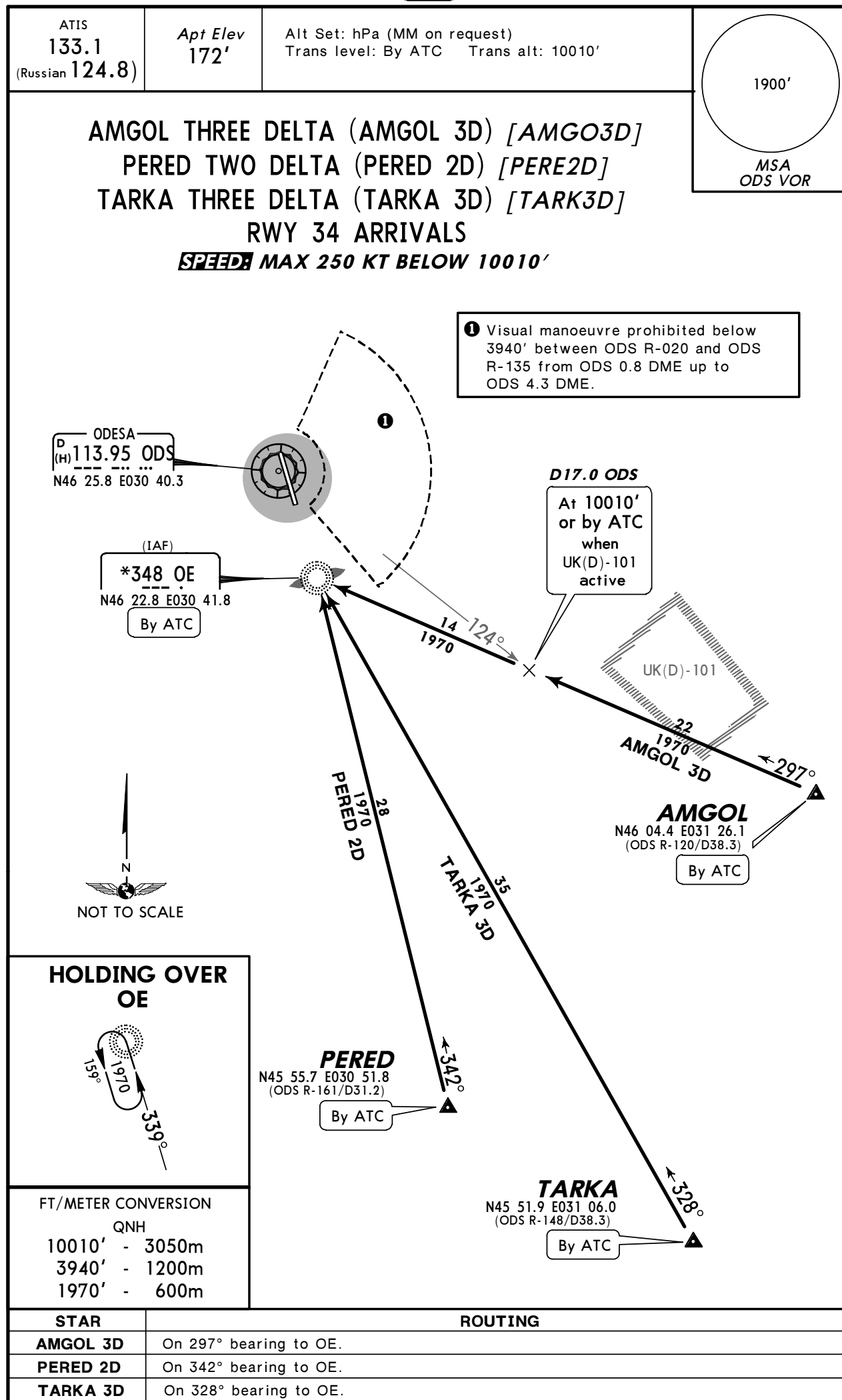


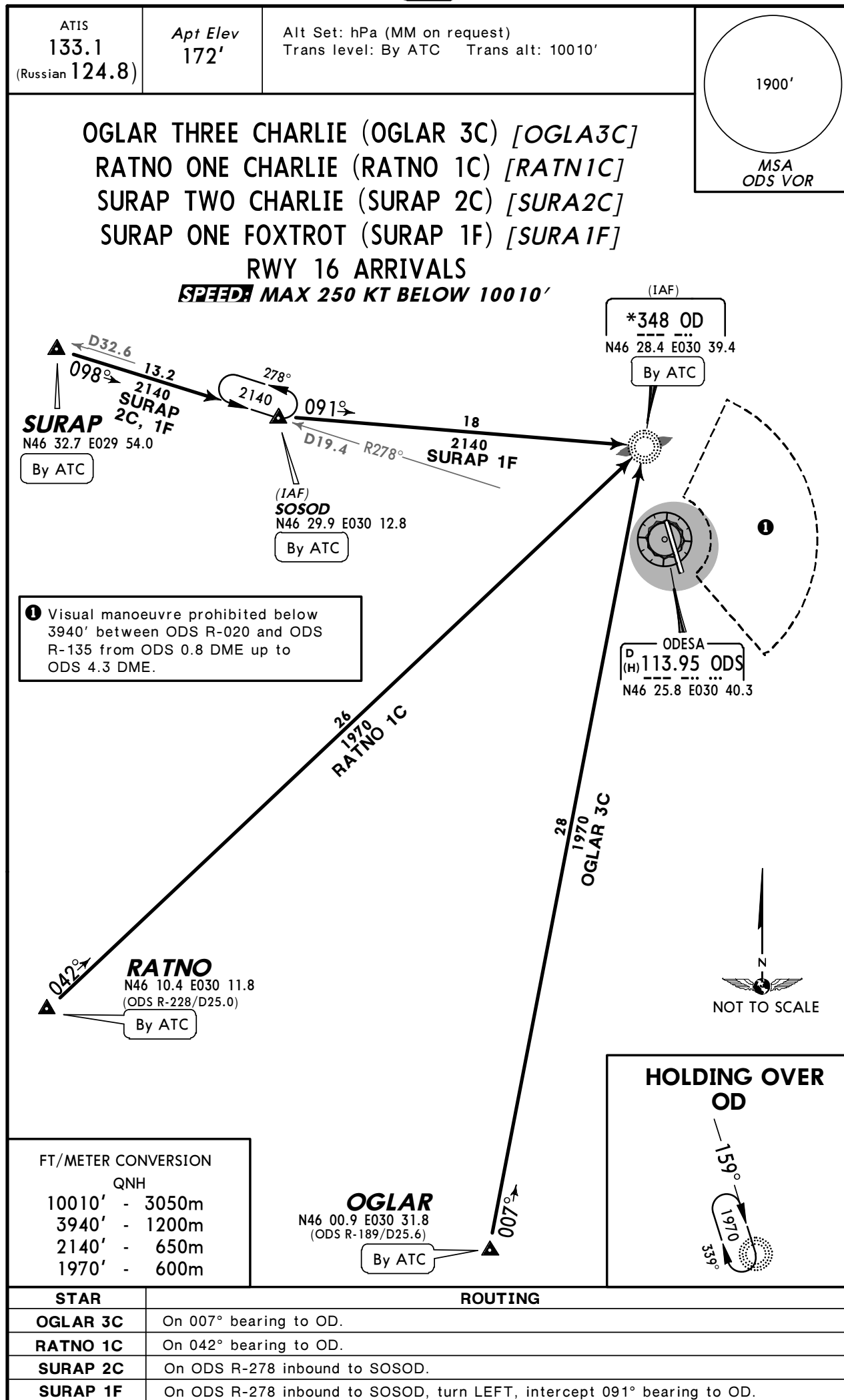


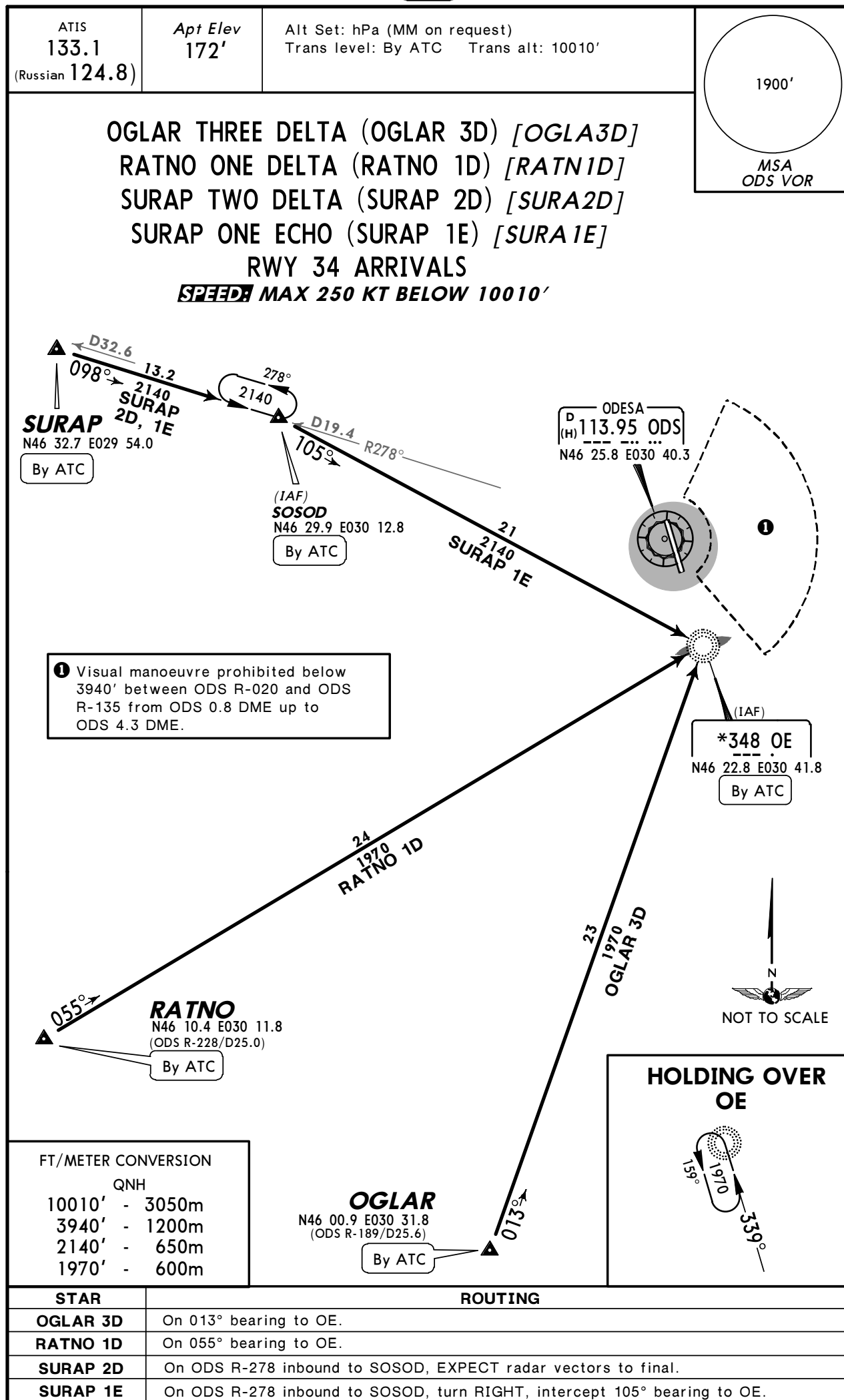












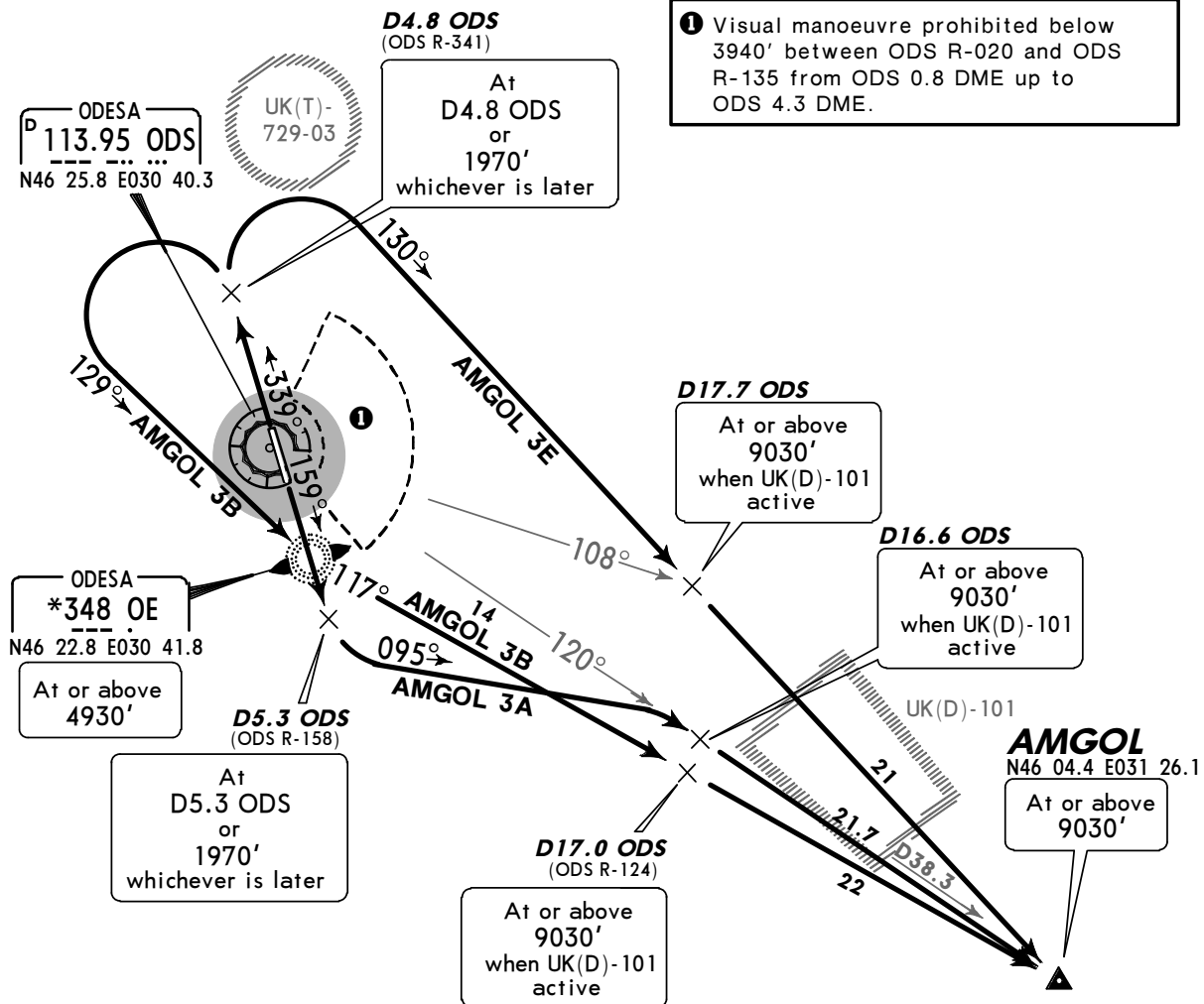
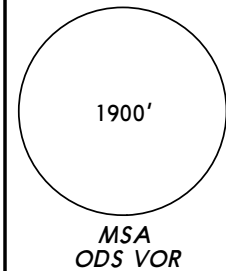
Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

1. Expect radar vectors for spacing.

2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

AMGOL THREE ALFA (AMGOL 3A) [AMGO3A]
AMGOL THREE BRAVO (AMGOL 3B) [AMGO3B]
AMGOL THREE ECHO (AMGOL 3E) [AMGO3E]
RWYS 16, 34 DEPARTURES



FT/METER CONVERSION

	QNH
1970'	- 600m
3940'	- 1200m
4930'	- 1500m
9030'	- 2750m
10010'	- 3050m



SID	RWY	ROUTING
AMGOL 3A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn LEFT, 095° track, intercept ODS R-120 to AMGOL.
AMGOL 3B	34	Climb staright ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, intercept 129° bearing to OE, turn LEFT, 117° bearing to AMGOL.
AMGOL 3E		Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn RIGHT, 130° track to AMGOL.

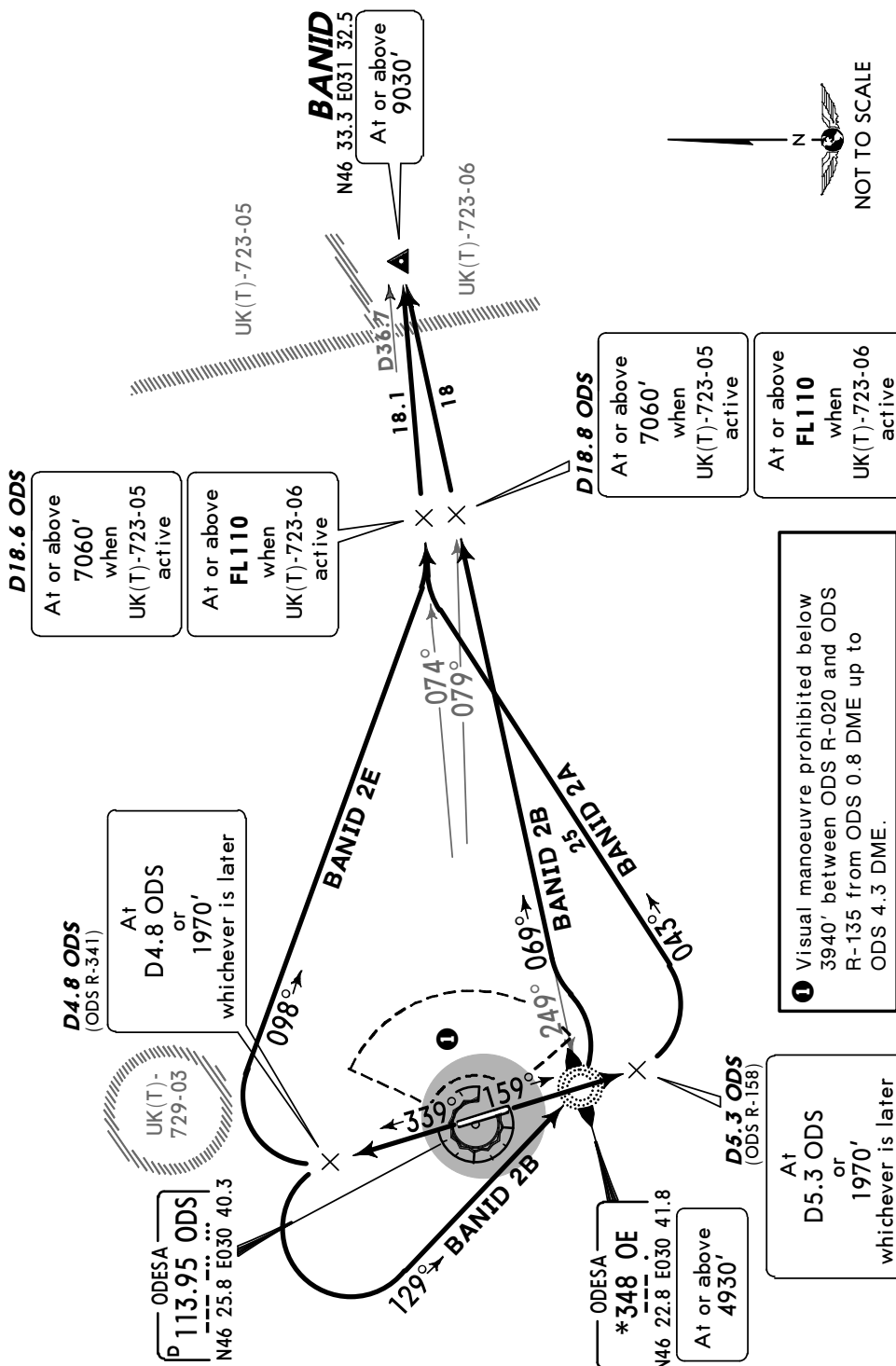
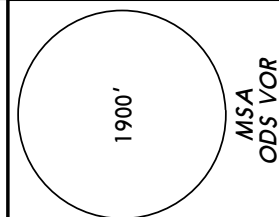
Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

1. Expect radar vectors for spacing.

2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

BANID TWO ALFA (BANID 2A) [BANID2A]
BANID TWO BRAVO (BANID 2B) [BANID2B]
BANID TWO ECHO (BANID 2E) [BANID2E]
RWYS 16, 34 DEPARTURES



FT/METER CONVERSION

QNH	
1970'	- 600m
3940'	- 1200m
4930'	- 1500m
7060'	- 2150m
9030'	- 2750m
10010'	- 3050m

ROUTING

RWY

SID

BANID 2A 16 Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn LEFT, 043° track, intercept ODS R-074 to BANID.

BANID 2B 34 Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, intercept 129° bearing to OE, turn LEFT, intercept 069° bearing from OE to BANID.

BANID 2E Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn RIGHT, 098° track, intercept ODS R-074 to BANID.

Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

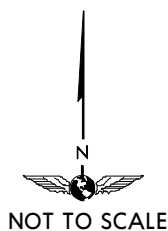
1. Expect radar vectors for spacing.

2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

BULAN THREE ALFA
(BULAN 3A) [BULA3A]
BULAN THREE BRAVO
(BULAN 3B) [BULA3B]
BULAN THREE CHARLIE
(BULAN 3C) [BULA3C]
BUNAG THREE ALFA
(BUNAG 3A) [BUNA3A]
BUNAG THREE BRAVO
(BUNAG 3B) [BUNA3B]
RWYS 16, 34 DEPARTURES

① Visual manoeuvre prohibited below 3940' between ODS R-020 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.

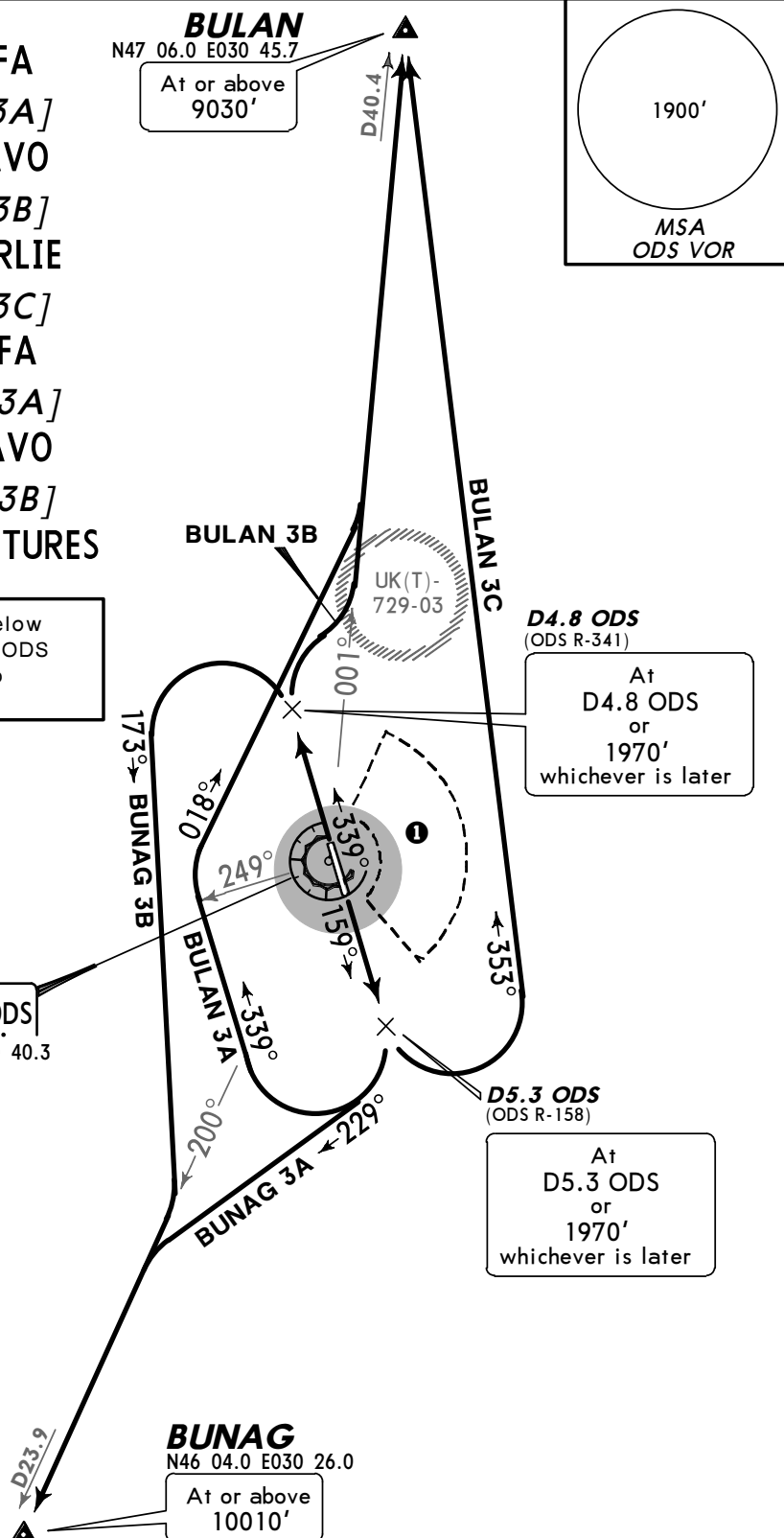
ODESA
D 113.95 ODS
N46 25.8 E030 40.3



FT/METER CONVERSION

QNH

1970'	-	600m
3940'	-	1200m
9030'	-	2750m
10010'	-	3050m



SID	RWY	ROUTING
BULAN 3A	16	Climb straight ahead to D5.3 DME or 1970' whichever is later, turn RIGHT, 339° track, at ODS R-249 turn RIGHT, 018° track, intercept ODS R- 001 to BULAN.
BULAN 3B	34	Climb straight ahead to ODS 4.8 DME or 1970' whichever is later, turn RIGHT, intercept ODS R-001 to BULAN.
BULAN 3C	16	Climb straight ahead to D5.3 DME or 1970' whichever is later, turn LEFT, 353° track, to BULAN.
BUNAG 3A		Climb straight ahead to D5.3 DME or 1970' whichever is later, turn RIGHT, 229° track, intercept ODS R-200 to BUNAG.
BUNAG 3B	34	Climb straight ahead to ODS 4.8 DME or 1970' whichever is later, turn LEFT, 173° track, intercept ODS R-200 to BUNAG.

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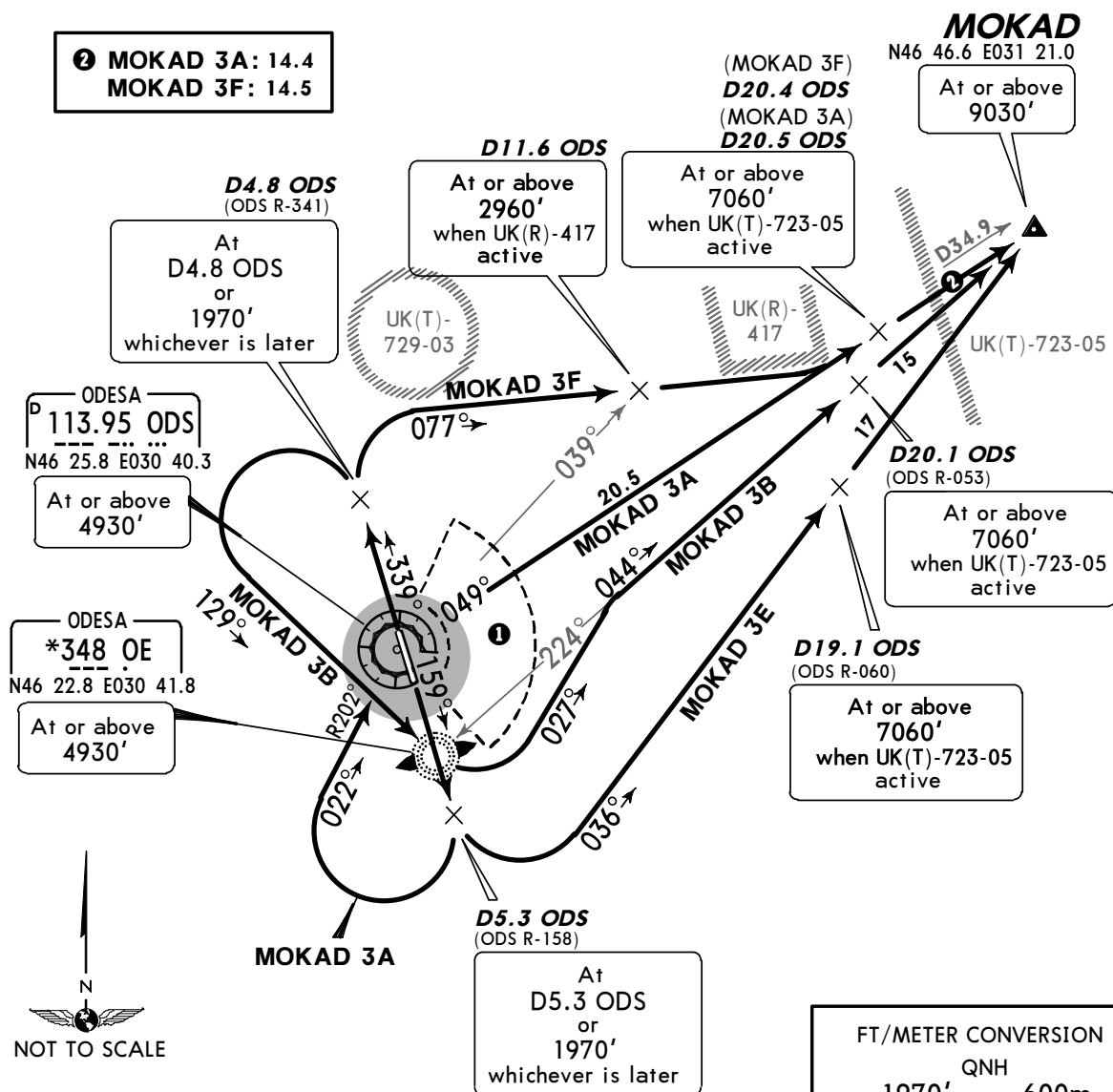
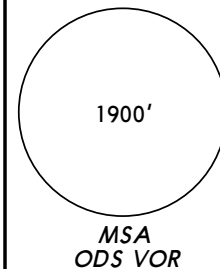
Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

1. Expect radar vectors for spacing.

2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

MOKAD THREE ALFA (MOKAD 3A) [MOKA3A]
MOKAD THREE BRAVO (MOKAD 3B) [MOKA3B]
MOKAD THREE ECHO (MOKAD 3E) [MOKA3E]
MOKAD THREE FOXTROT (MOKAD 3F) [MOKA3F]
RWYS 16, 34 DEPARTURES



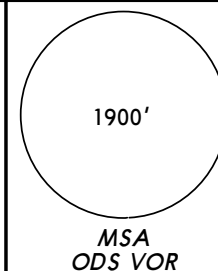
SID	RWY	ROUTING
MOKAD 3A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn RIGHT, intercept ODS R-202 inbound to ODS, turn RIGHT, ODS R-049 to MOKAD.
MOKAD 3B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, intercept 129° bearing to OE, turn LEFT, 027° track, intercept 044° bearing from OE to MOKAD.
MOKAD 3E	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn LEFT, 036° track to MOKAD.
MOKAD 3F	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn RIGHT, 077° track, intercept ODS R-049 to MOKAD.

Apt Elev
172'

Trans level: By ATC Trans alt: 10010'

EXPECT RADAR vectors for spacing.

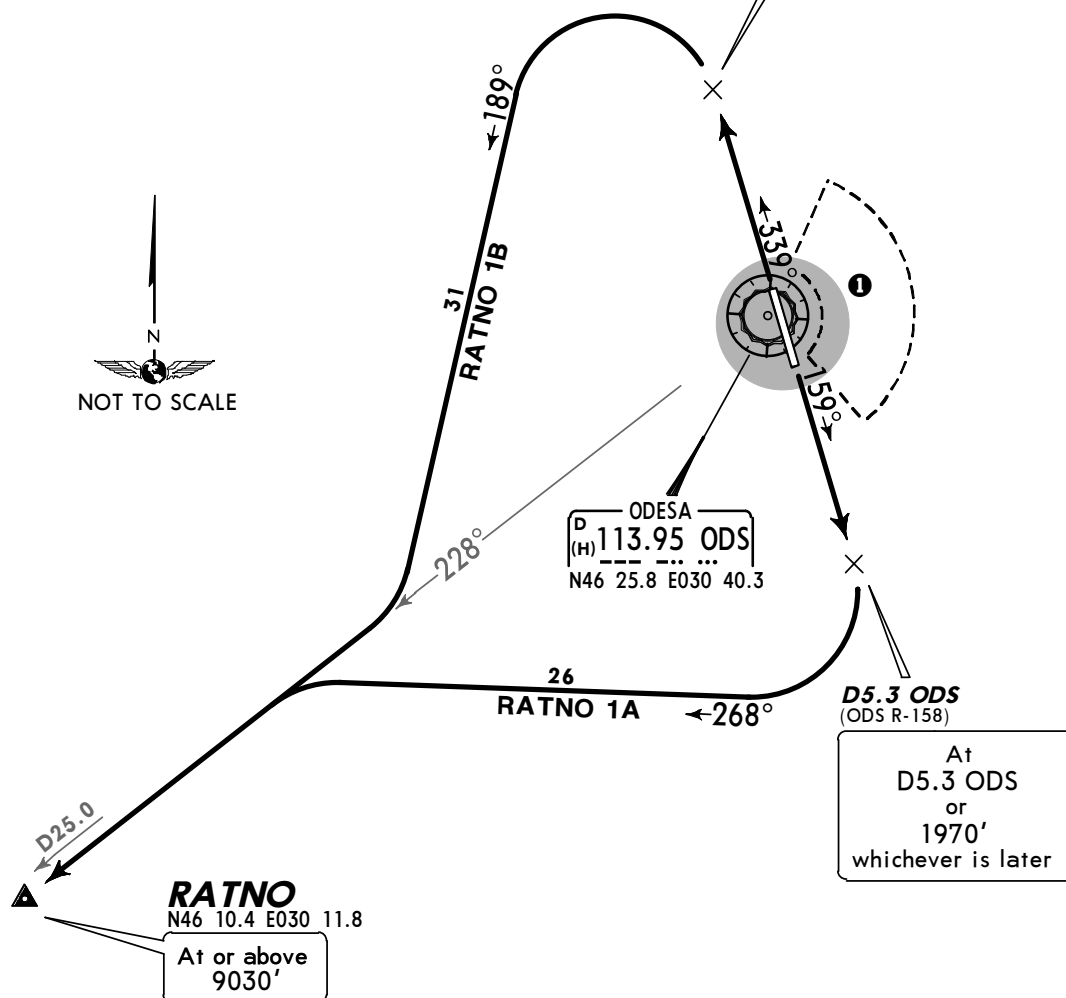
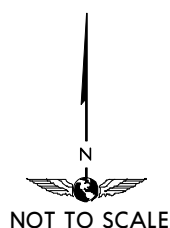
**RATNO ONE ALFA (RATNO 1A) [RATN1A]
RATNO ONE BRAVO (RATNO 1B) [RATN1B]
RWYS 16, 34 DEPARTURES**



① Visual manoeuvre prohibited below 3940' between ODS R-020 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.

D4.8 ODS
(ODS R-341)

At
D4.8 ODS
or
1970'
whichever is later



D5.3 ODS
(ODS R-158)

At
D5.3 ODS
or
1970'
whichever is later

RATNO
N46 10.4 E030 11.8
At or above
9030'

FT/METER CONVERSION	
	QNH
1970'	- 600m
3940'	- 1200m
9030'	- 2750m
10010'	- 3050m

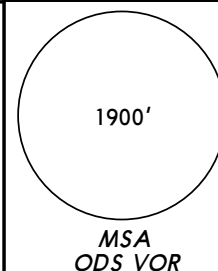
SID	RWY	ROUTING
RATNO 1A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn RIGHT, 268° track, intercept ODS R-228 to RATNO.
RATNO 1B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, 189° track, intercept ODS R-228 to RATNO.

Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

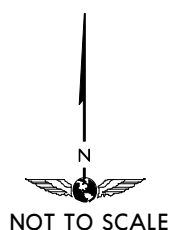
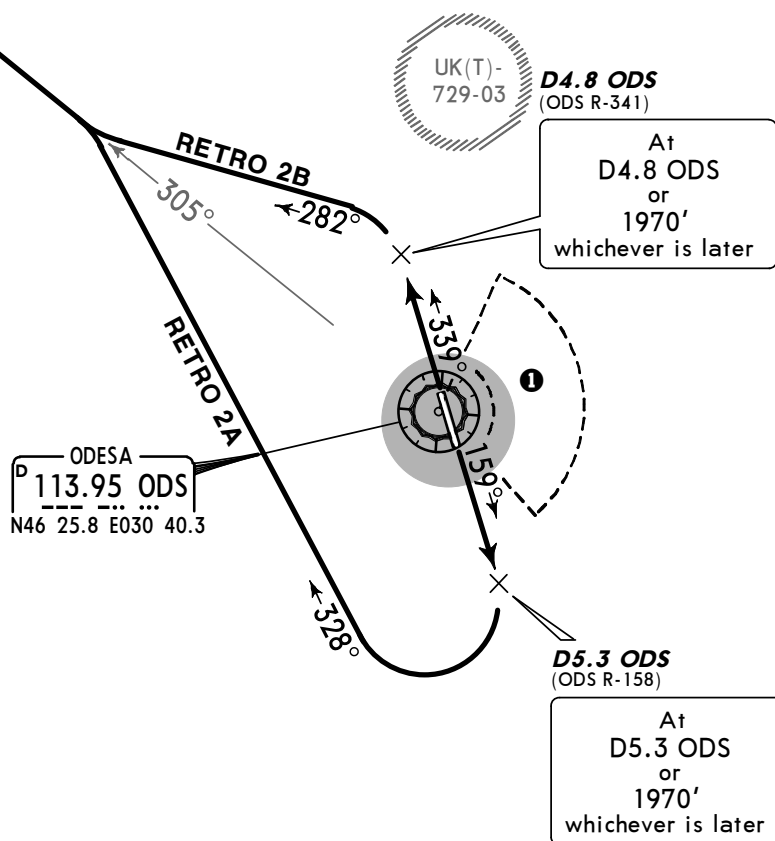
1. Expect radar vectors for spacing.

2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

RETRO TWO ALFA (RETRO 2A) [RETR2A]
RETRO TWO BRAVO (RETRO 2B) [RETR2B]
RWYS 16, 34 DEPARTURES

RETRO
N47 00.8 E029 36.7
At or above
10010'

① Visual manoeuvre prohibited below
3940' between ODS R-020 and ODS
R-135 from ODS 0.8 DME up to
ODS 4.3 DME.



FT/METER CONVERSION

QNH	
1970'	- 600m
3940'	- 1200m
10010'	- 3050m

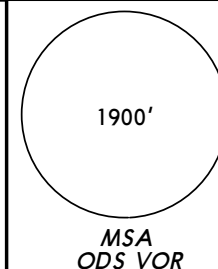
SID	RWY	ROUTING
RETRO 2A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn RIGHT, 328° track, intercept ODS R-305 to RETRO.
RETRO 2B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, 282° track, intercept ODS R-305 to RETRO.

Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

1. Expect radar vectors for spacing.
2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

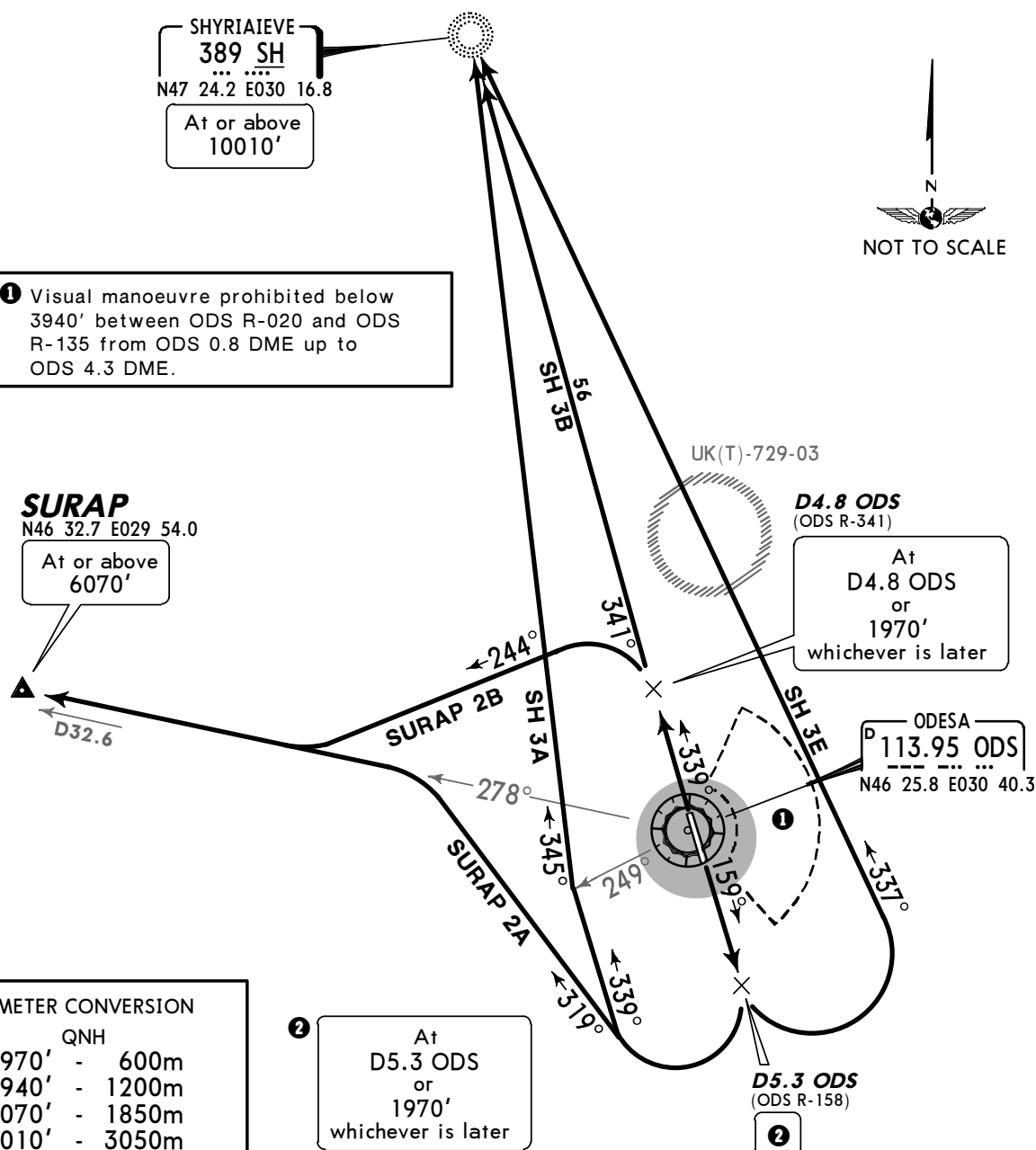
SHYRIAIEVE THREE ALFA (SH 3A)
SHYRIAIEVE THREE BRAVO (SH 3B)
SHYRIAIEVE THREE ECHO (SH 3E)
SURAP TWO ALFA (SURAP 2A) [SURA2A]
SURAP TWO BRAVO (SURAP 2B) [SURA2B]
RWYS 16, 34 DEPARTURES



SHYRIAIEVE
389 SH
N47 24.2 E030 16.8
At or above
10010'

- ① Visual manoeuvre prohibited below 3940' between ODS R-020 and ODS R-135 from ODS 0.8 DME up to ODS 4.3 DME.

SURAP
N46 32.7 E029 54.0
At or above
6070'



FT/METER CONVERSION

	QNH
1970'	- 600m
3940'	- 1200m
6070'	- 1850m
10010'	- 3050m

② At
D5.3 ODS
or
1970'
whichever is later

SID	RWY	ROUTING
SH 3A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn RIGHT, 339° track, at ODS R-249 turn RIGHT, intercept 345° bearing to SH.
SH 3B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, intercept ODS R-341 to SH.
SH 3E	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn LEFT, intercept 337° bearing to SH.
SURAP 2A		Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn RIGHT, 319° track, intercept ODS R-278 to SURAP.
SURAP 2B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, 244° track, intercept ODS R-278 to SURAP.

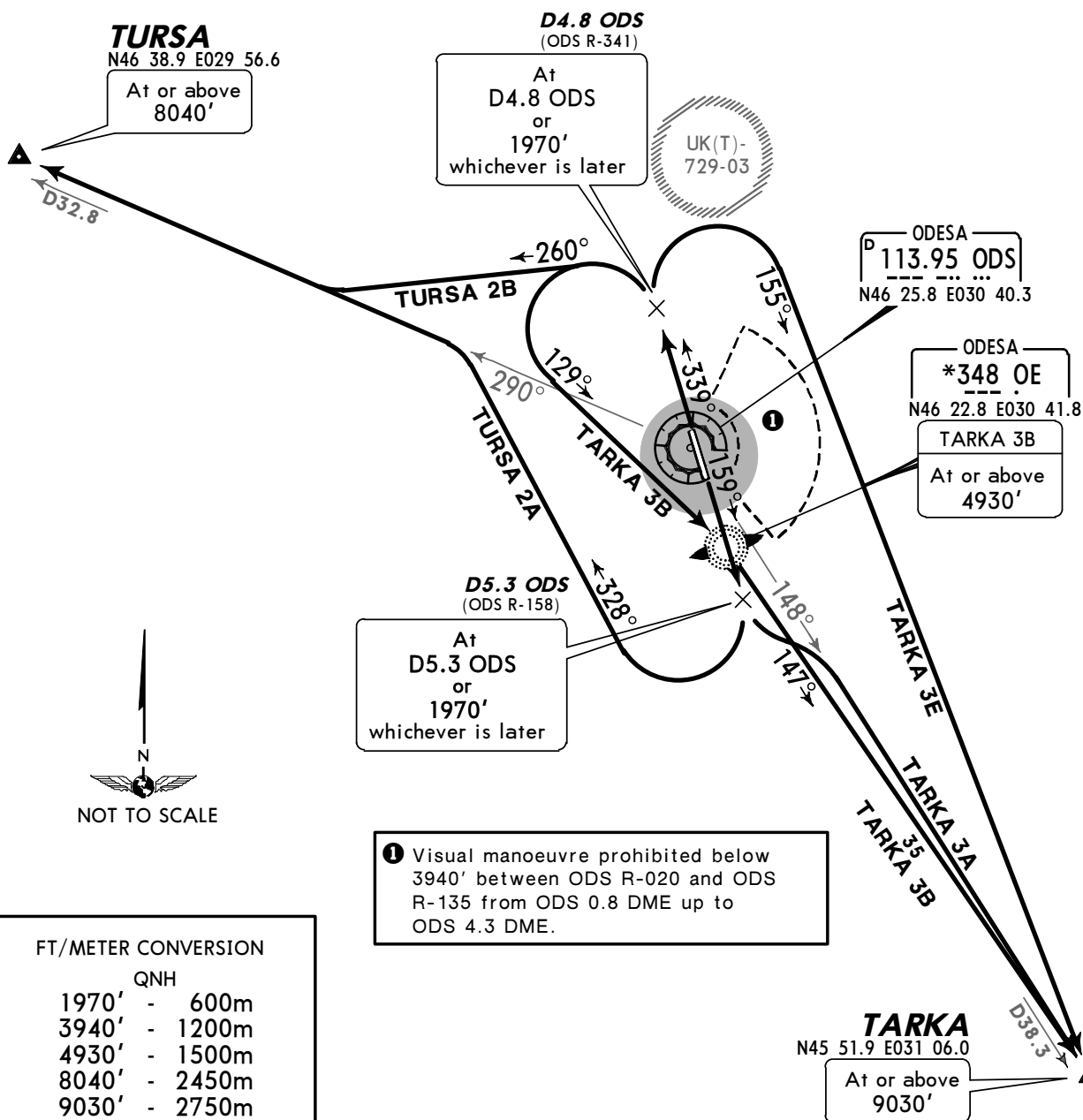
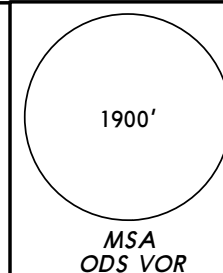
Apt Elev
171'

Trans level: By ATC Trans alt: 10010'

1. Expect radar vectors for spacing.

2. Activities within UK(T)-729-03 not authorized prior coordination with ATC.

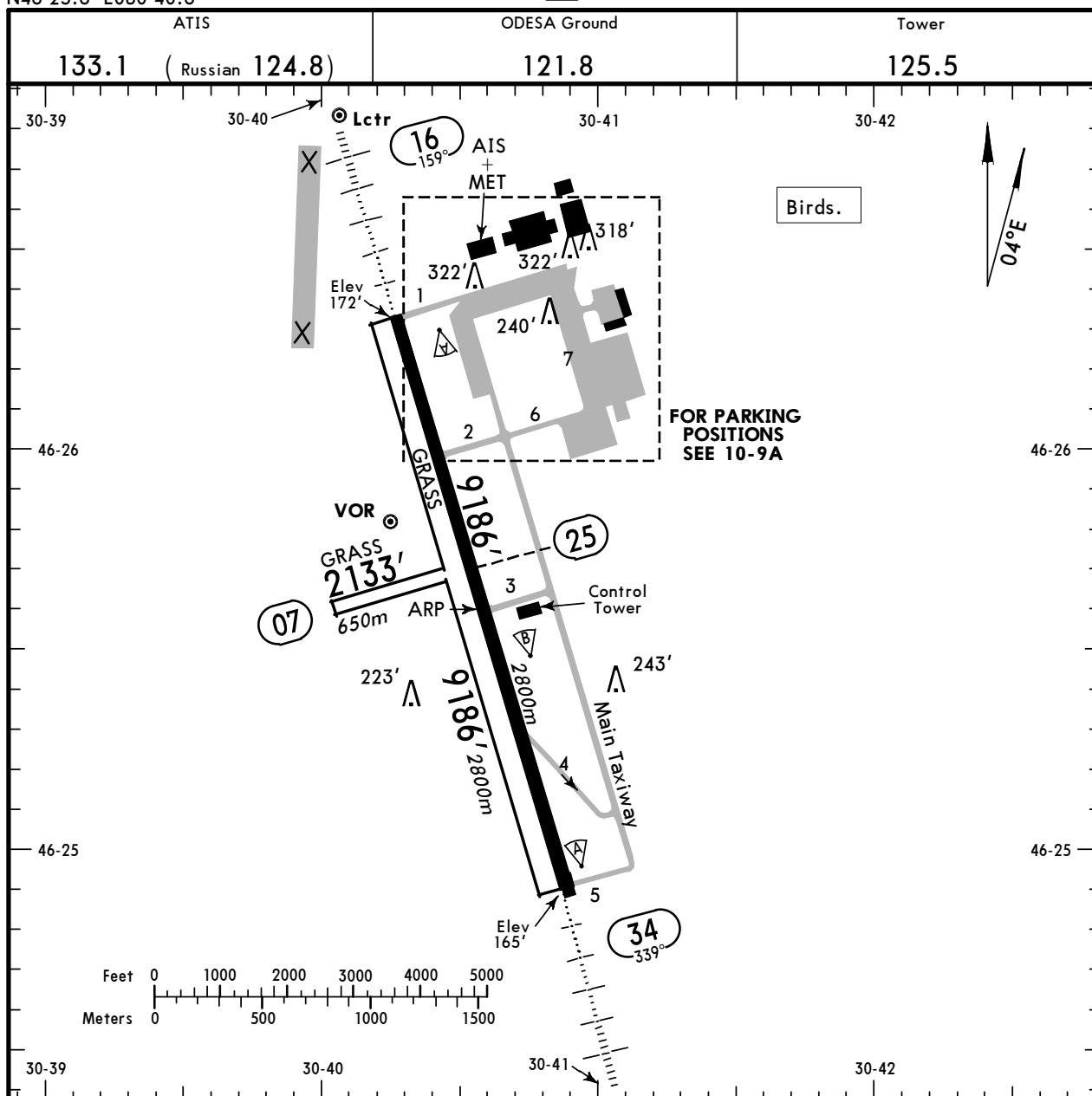
TARKA THREE ALFA (TARKA 3A) [TARK3A]
TARKA THREE BRAVO (TARKA 3B) [TARK3B]
TARKA THREE ECHO (TARKA 3E) [TARK3E]
TURSA TWO ALFA (TURSA 2A) [TURS2A]
TURSA TWO BRAVO (TURSA 2B) [TURS2B]
RWYS 16, 34 DEPARTURES



FT/METER CONVERSION

	QNH
1970'	- 600m
3940'	- 1200m
4930'	- 1500m
8040'	- 2450m
9030'	- 2750m
10010'	- 3050m

SID	RWY	ROUTING
TARKA 3A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn LEFT, intercept ODS R-148 to TARKA.
TARKA 3B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, intercept 129° bearing to OE, turn RIGHT, 147° bearing to TARKA.
TARKA 3E		Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn RIGHT, 155° track to TARKA.
TURSA 2A	16	Climb straight ahead to D5.3 ODS or 1970' whichever is later, turn RIGHT, 328° track, intercept ODS R-290 to TURSA.
TURSA 2B	34	Climb straight ahead to D4.8 ODS or 1970' whichever is later, turn LEFT, 260° track, intercept ODS R-290 to TURSA.



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond Glide Slope		
07	25					197' 60m
16	34	HIRL (50m) HIALS PAPI-L (angle 3.00°) RVR		8214' 2504m 8275' 2522m	1	184' 56m
16	34	Grass runway				328' 100m

1 TAKE-OFF RUN AVAILABLE

Rwy 16:

From rwy head 9186' (2800m)
twy 2 int 7218' (2200m)
twy 3 int 4429' (1350m)

Rwy 34:

From rwy head 9186' (2800m)
twy 4 int 7054' (2150m)
twy 3 int 4429' (1350m)

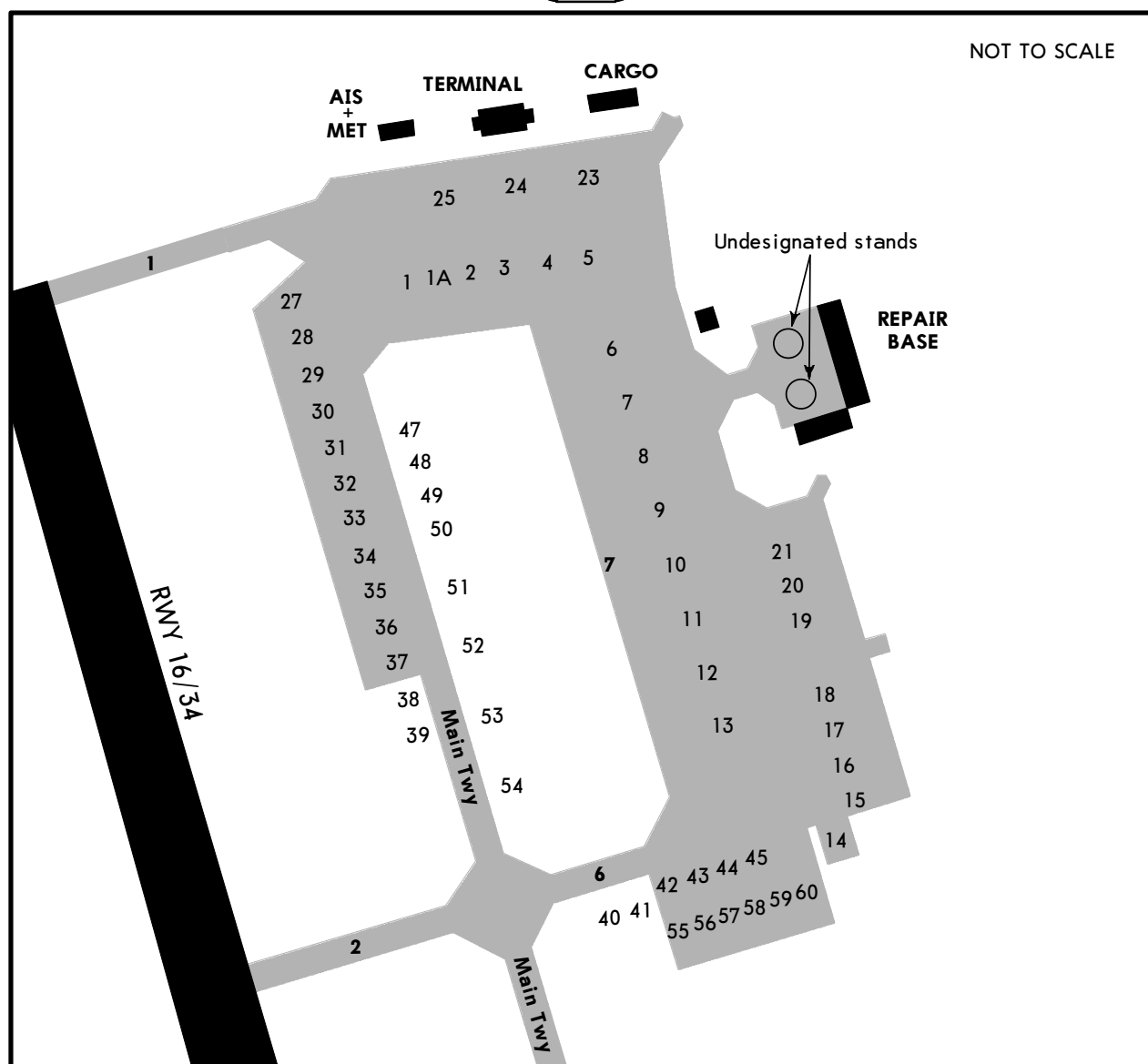
JAR-OPS

TAKE-OFF 1

Main rwy 16/34

	LVP must be in force		
	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A			
B	250m	400m	500m
C			
D	300m		

1 Operators applying U.S. Ops Specs: CL required below 300m.



Taxiing is strictly along centerline with inner engines power.
 Maneuvering of acft with engine power setting not more than 0.4 of nominal mode.
 Stand 14 available for engine run-up.
 Stands 38, 39 and 50 thru 54 available for helicopters.

STRAIGHT-IN RWY		A	B	C	D
16	ILS	372' (200')	372' (200')	372' (200')	372' (200')
	<i>FULL</i>	R550m	R550m	R550m	R550m
	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED			
	NDB ❶❷	630' (458')	630' (458')	630' (458')	630' (458')
		R1400m	R1400m	R1400m	R1400m
	<i>ALS out</i>	R1500m	R1500m	C2100m	C2100m
	NDB ❸	680' (508')	680' (508')	680' (508')	680' (508')
		R1800m	R1800m	R2000m	R2000m
34	<i>ALS out</i>	C2600m	C2600m	C2800m	C2800m
	NDB ❶❹	610' (438')	610' (438')	610' (438')	610' (438')
		R1300m	R1300m	R1300m	R1300m
	<i>ALS out</i>	R1500m	R1500m	R2000m	R2000m
	ILS	365' (200')	365' (200')	365' (200')	365' (200')
	<i>FULL</i>	R550m	R550m	R550m	R550m
	<i>Limited</i>	R750m	R750m	R750m	R750m
	<i>ALS out</i>	R1200m	R1200m	R1200m	R1200m
	LOC	NOT AUTHORIZED			
	NDB ❶❷	580' (415')	580' (415')	580' (415')	580' (415')
		R1200m	R1200m	R1200m	R1200m
	<i>ALS out</i>	R1500m	R1500m	R1900m	R1900m
	NDB ❸	630' (465')	630' (465')	630' (465')	630' (465')
		R1700m	R1700m	R1900m	R1900m
	<i>ALS out</i>	C2400m	C2400m	C2600m	C2600m
	NDB ❶❹	510' (345')	510' (345')	510' (345')	510' (345')
		R900m	R900m	R900m	R900m
	<i>ALS out</i>	R1500m	R1500m	R1600m	R1600m

❶ Continuous Descent Final Approach.

❷ With FAF.

❸ W/o FAF.

❹ With LOM.

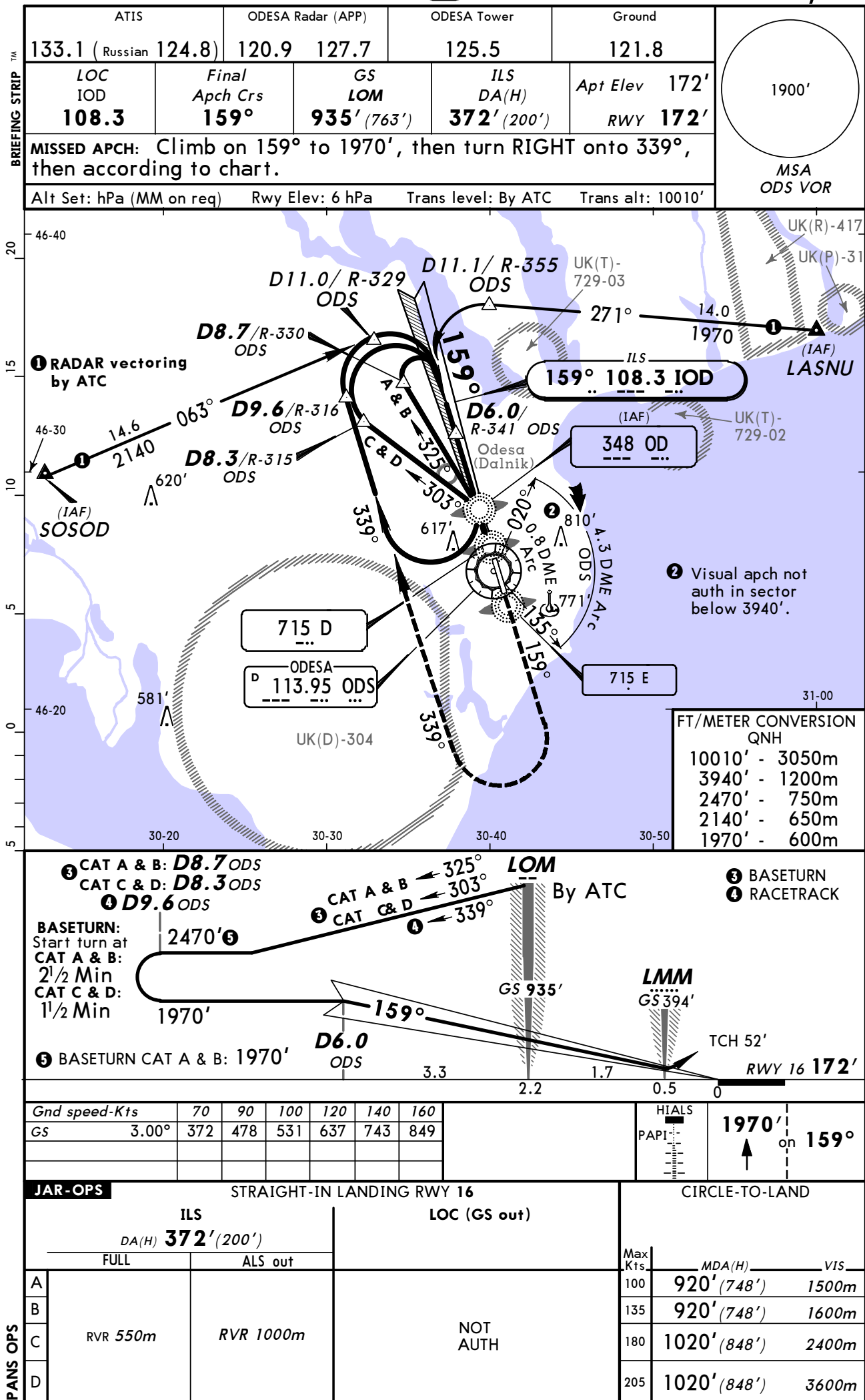
CIRCLE-TO-LAND ❺	100 KT	135 KT	180 KT	205 KT
After apch to rwy 16	920' (748')	920' (748')	1020' (848')	1020' (848')
After apch to rwy 34 ❻	920' (755')	920' (755')	1020' (855')	1020' (855')
	V1500m	V1600m	V2400m	V3600m

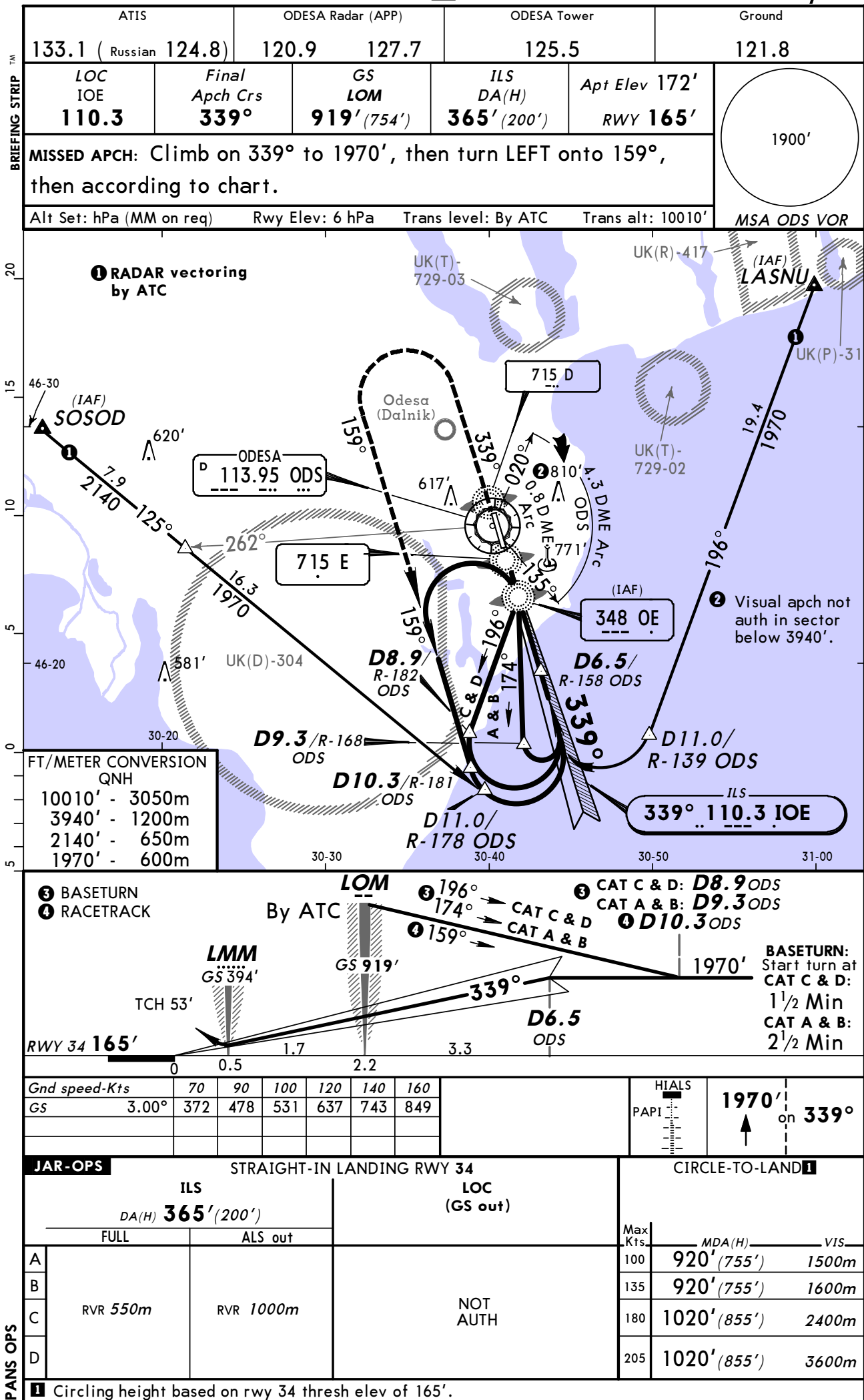
❺ Prohibited in sector between R-020 & R-120 ODS.

❻ Circling height based on rwy 34 thresh elev of 165'.

TAKE-OFF RWY 16, 34 ❼			
LVP must be in Force			
RCLM (DAY only) or RL		RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

❼ Operators applying U.S. Ops Specs: CL required below 300m.

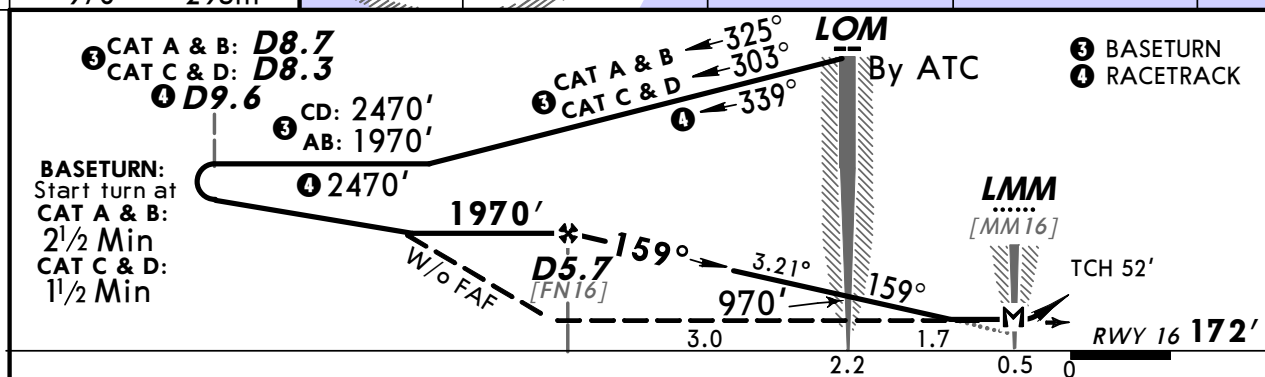
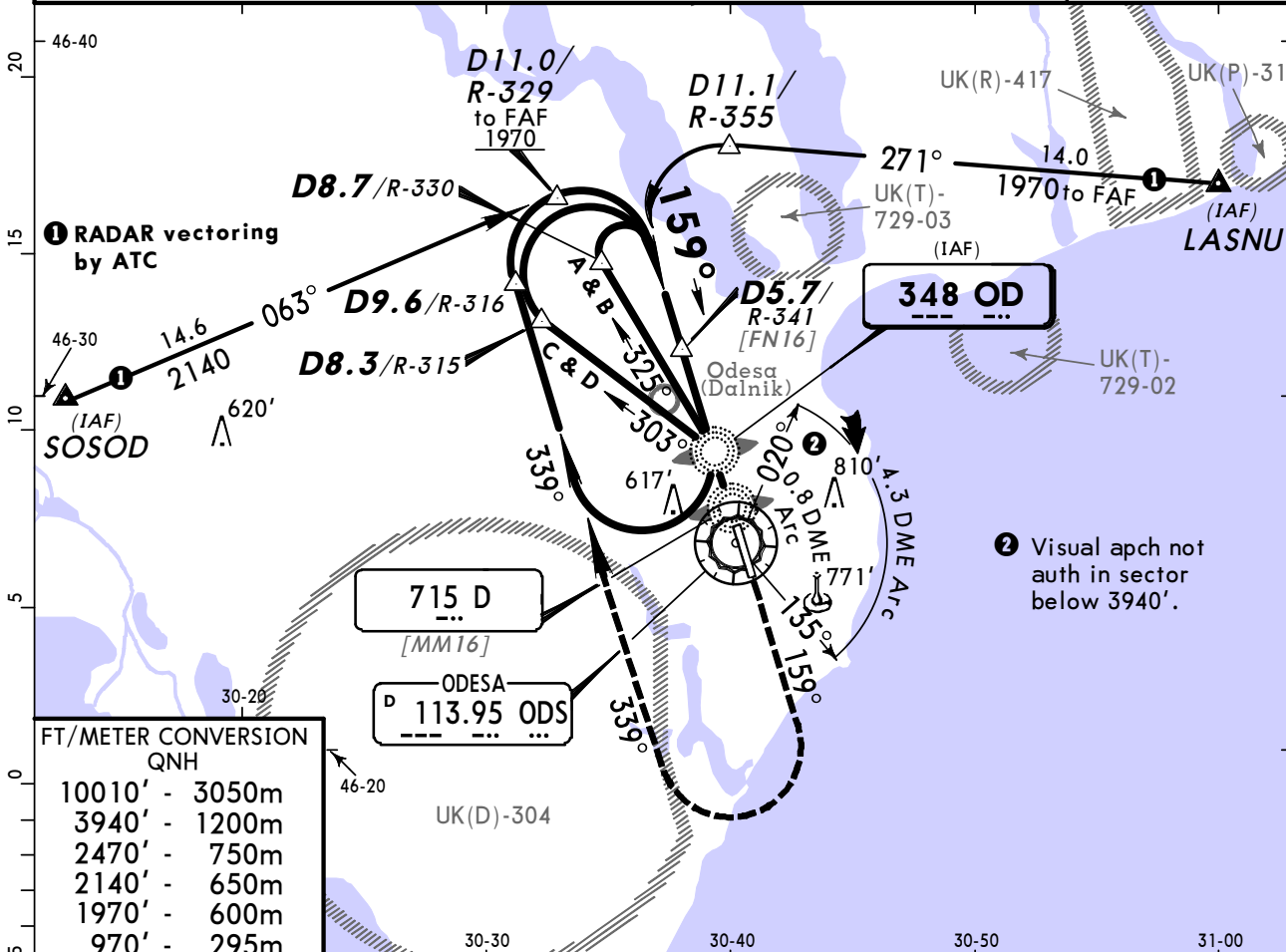




™

BRIEFING STRIP

ATIS		ODESA Radar (APP)		ODESA Tower	Ground	1900' MSA ODS VOR
133.1 (Russian 124.8)		120.9	127.7	125.5	121.8	
NDB OD 348	Final Aptch Crs 159°	Minimum Alt D5.7 1970' (1798')	MDA(H) Refer to Minimums	Apt Elev 172' RWY 172'		
MISSED APCH: Climb on 159° to 1970', then turn RIGHT onto 339°, then according to chart.						
Alt Set: hPa (MM on req)		Rwy Elev: 6 hPa	Trans level: By ATC	Trans alt: 10010'		



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.21°	398	511	568	682	795	909
MAP at LMM						

JAR-OPS			STRAIGHT-IN LANDING RWY 16						CIRCLE-TO-LAND		
With LOM & FAF			With FAF			W/o FAF					
MDA(H) 610' (438')			MDA(H) 630' (458')			MDA(H) 680' (508')					
		ALS out			ALS out			ALS out	Max Kts	MDA(H) _____ VIS _____	
A	RVR 900m	RVR 1500m	RVR 1000m	RVR 1500m	RVR 1000m	RVR 1500m	RVR 2000m	100	920' (748') 1500m		
B	RVR 1000m		RVR 1200m		RVR 1200m			135	920' (748') 1600m		
C			RVR 1800m		RVR 1600m			180	1020' (848') 2400m		
D	RVR 1400m	RVR 2000m	RVR 1600m		RVR 1600m			205	1020' (848') 3600m		

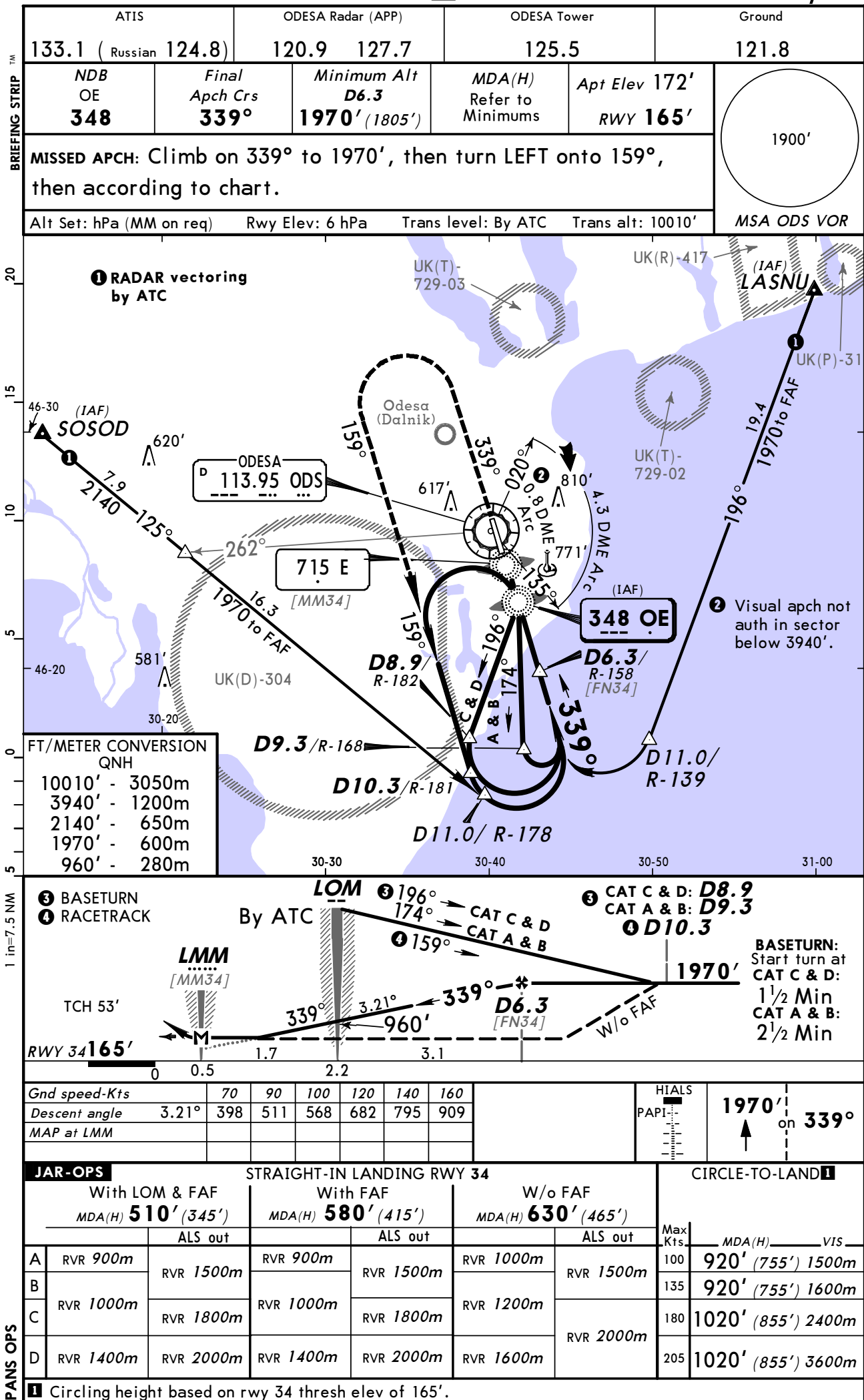




Chart changes since cycle 16-2013

ADD = added chart, REV = revised chart, DEL = deleted chart.

ACT PROCEDURE IDENT

INDEX

REV DATE

EFF DATE

ODESA, (ODESA - UKOO)

TERMINAL CHART CHANGE NOTICES

No Chart Change Notices for Airport UKOO