

JEPPesen

26 APR 02

10-2

ODESA, UKRAINE

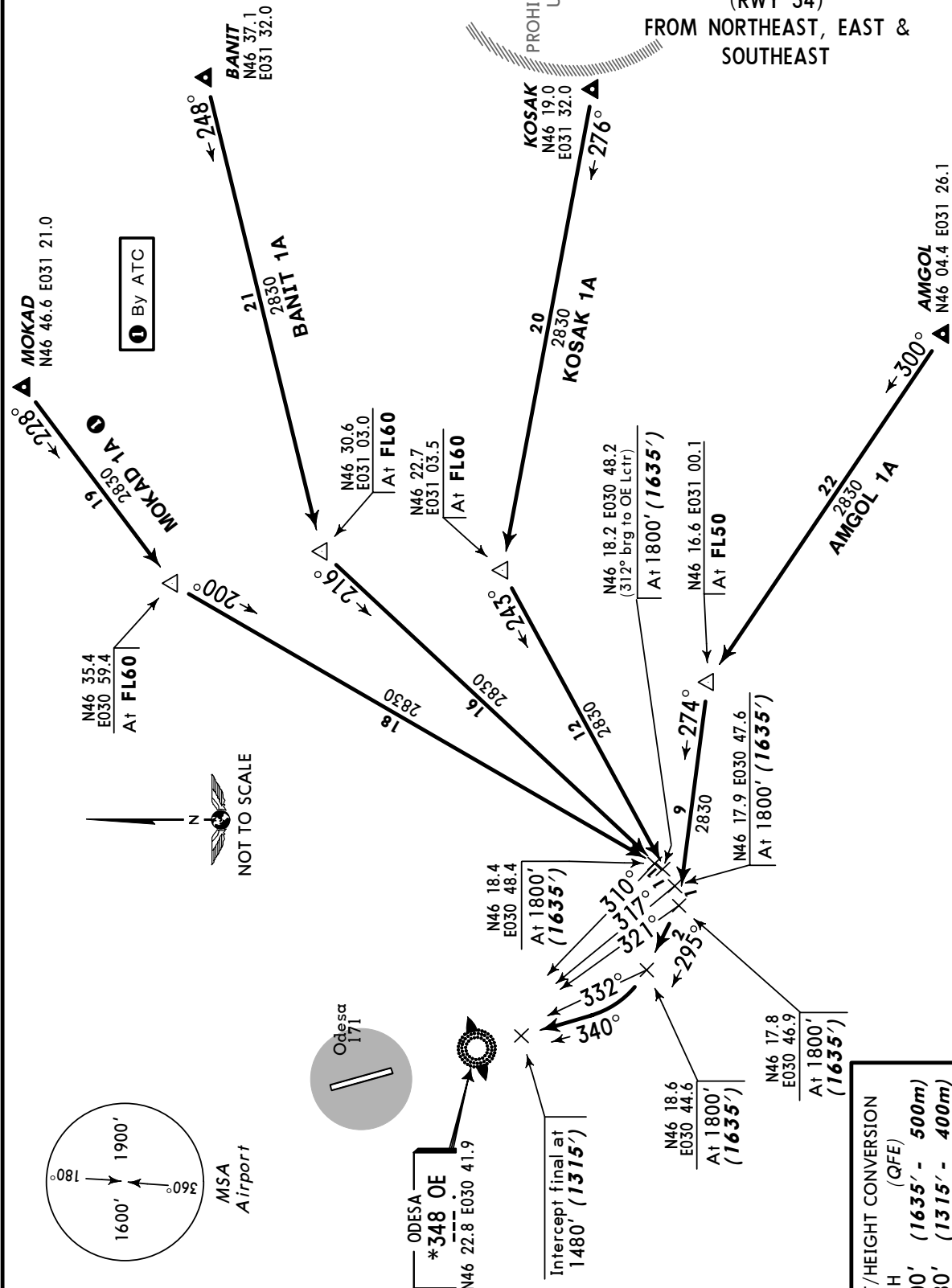
STAR

ATIS **124.8**

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1635')

ODESA

**AMGOL 1A [AMGO1A]
BANIT 1A [BANI1A]
KOSAK 1A KOSA1A]
MOKAD 1A [MOKA1A] ①**
ARRIVALS
(RWY 34)
FROM NORTHEAST, EAST & SOUTHEAST



JEPPesen

26 APR 02

10-2A

STAR

ODESA, UKRAINE

ODESA

ATIS **124.8**

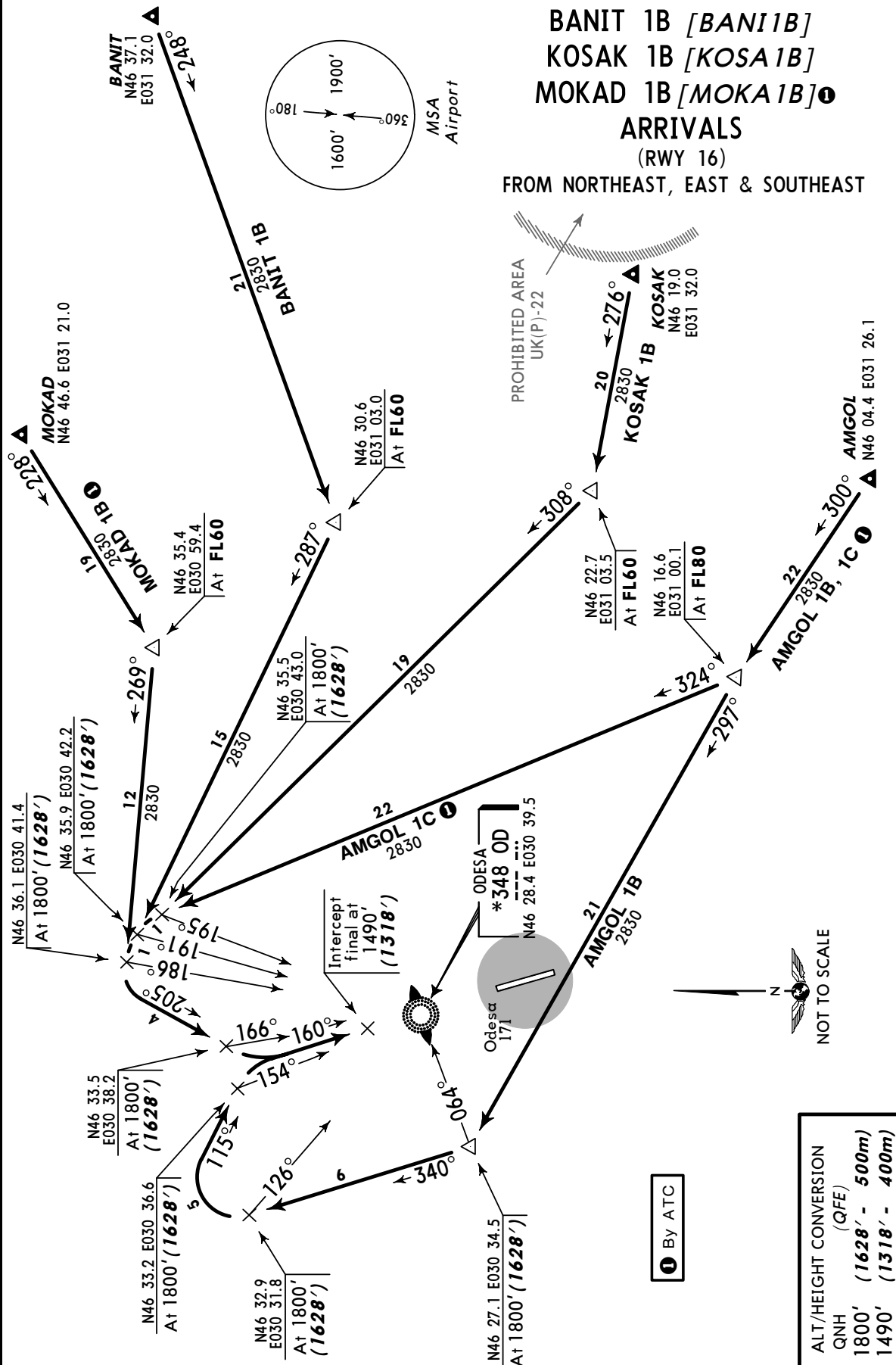
TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1628')

AMGOL 1B [AMGO1B]
AMGOL 1C [AMGO1C] ①
BANIT 1B [BANI1B]
KOSAK 1B [KOSA1B]
MOKAD 1B [MOKA1B] ①

ARRIVALS

(RWY 16)

FROM NORTHEAST, EAST & SOUTHEAST



JEPPesen

26 APR 02

10-2B

ODESA, UKRAINE

STAR

ATIS **124.8**

ODESA

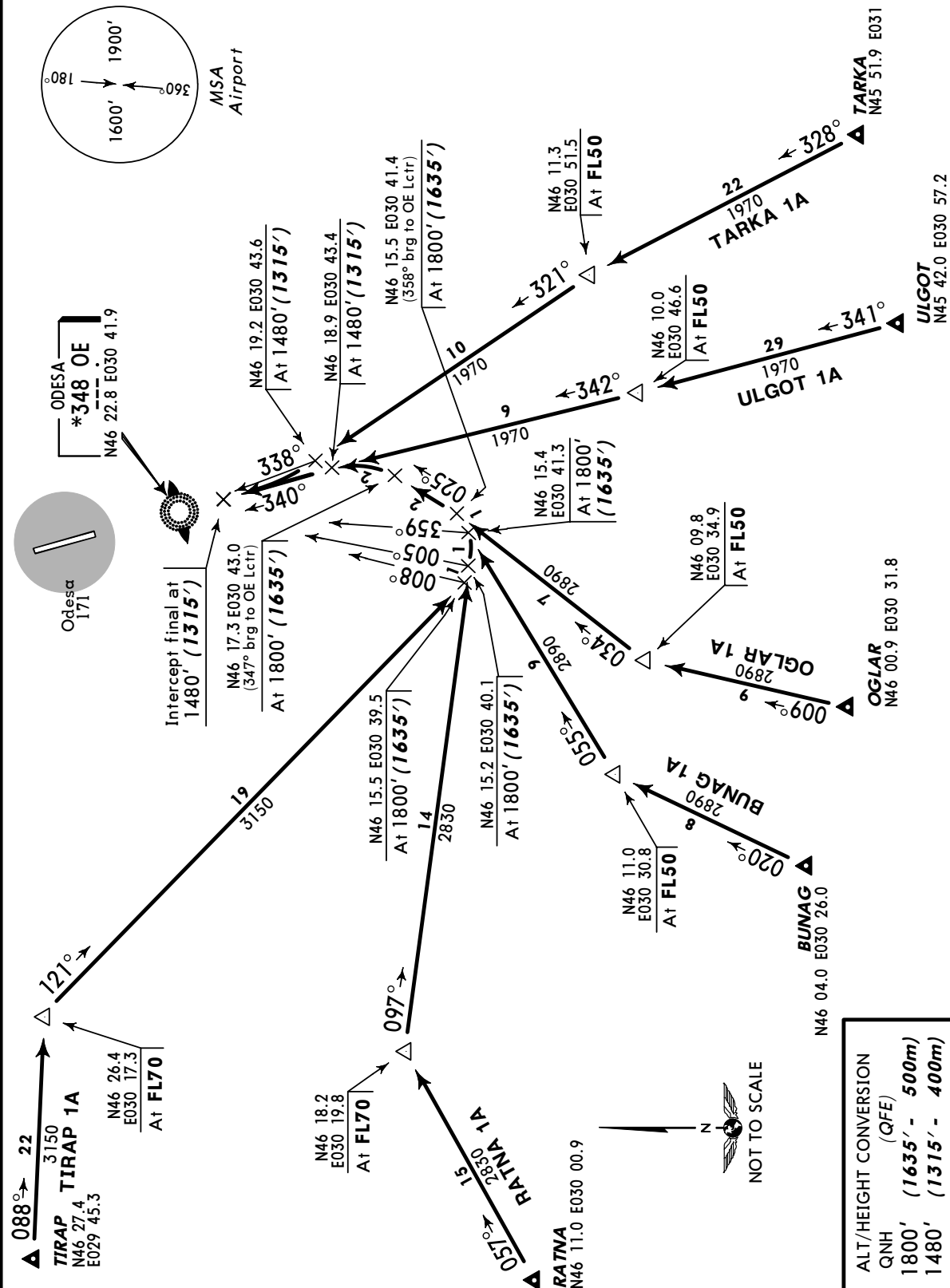
TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1635')

**BUNAG 1A [BUNA1A], OGLAR 1A [OGLA1A], RATNA 1A [RATN1A]
TARKA 1A [TARK1A], TIRAP 1A [TIRA1A], ULGOT 1A [ULGO1A]**

ARRIVALS

(RWY 34)

FROM SOUTH & WEST



Notice: After 29.05.2003 0901Z this chart should not be used without first checking JeppView or NOTAMs.

JEPPesen

26 APR 02

10-2C

ODESA, UKRAINE

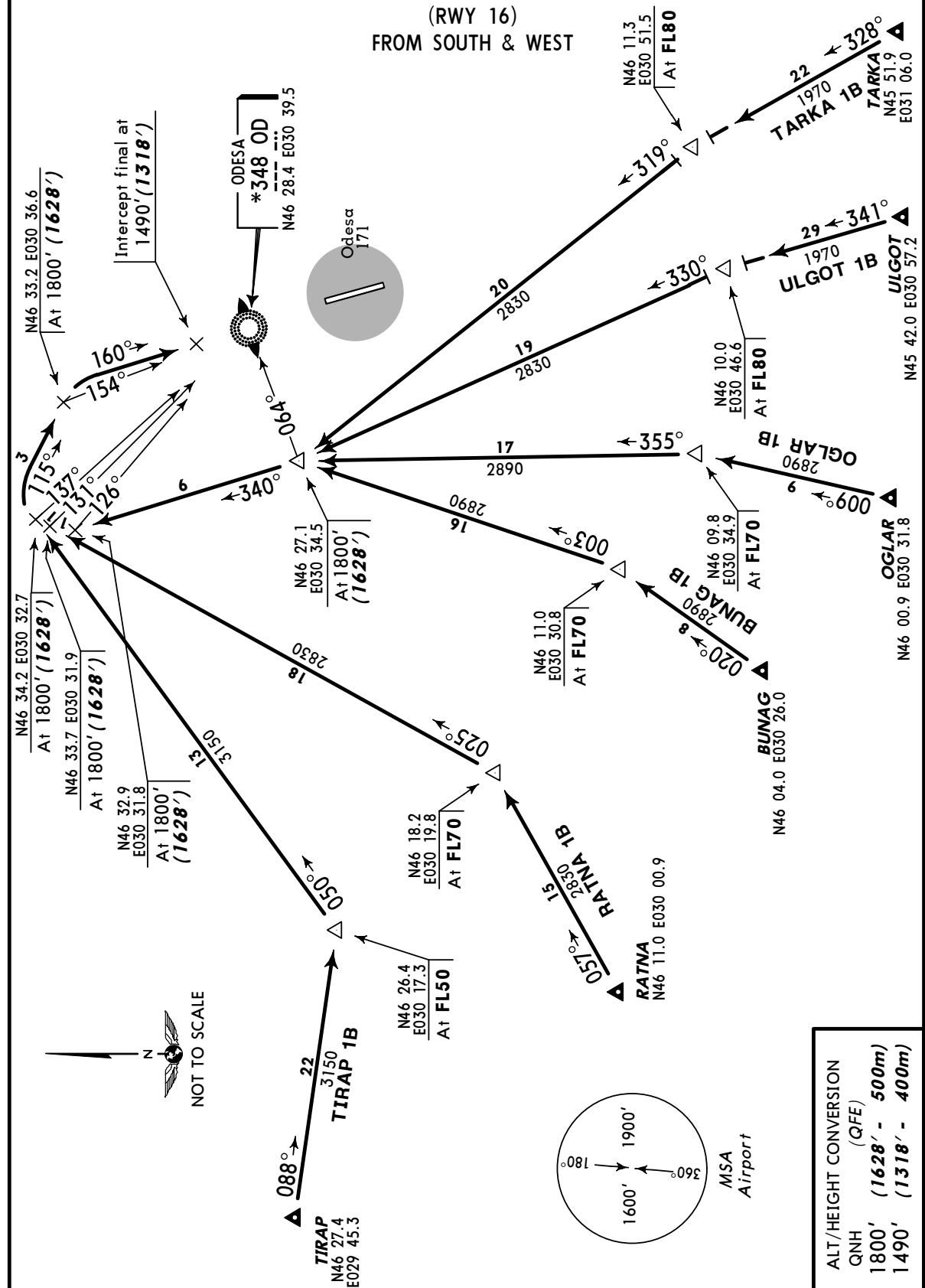
STAR

ATIS **124.8**

ODESA

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1628')

**BUNAG 1B [BUNA1B], OGLAR 1B [OGLA1B], RATNA 1B [RATN1B]
TARKA 1B [TARK1B], TIRAP 1B [TIRA1B], ULGOT 1B [ULGO1B]**
ARRIVALS
(RWY 16)
FROM SOUTH & WEST



CHANGES: STARs established & transferred; MEAs.

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STAR

26 APR 02

10-2D

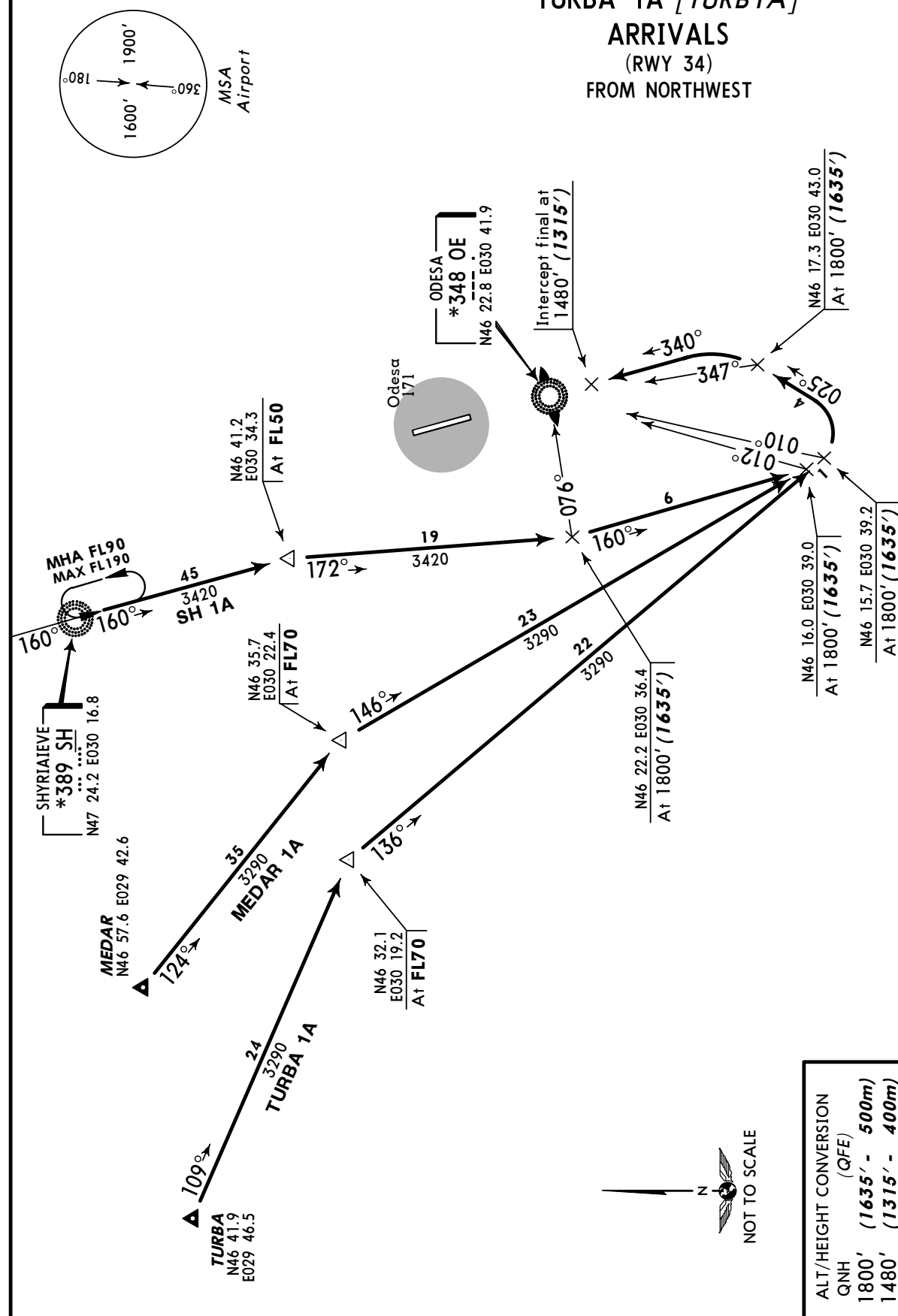
ODESA, UKRAINE

ODESA

ATIS **124.8**

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (**1635'**)

**MEDAR 1A [MEDA1A]
SH 1A
TURBA 1A [TURB1A]
ARRIVALS
(RWY 34)
FROM NORTHWEST**



CHANGES: STARs transferred; MEAs.

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JEPPesen

26 APR 02

10-2E

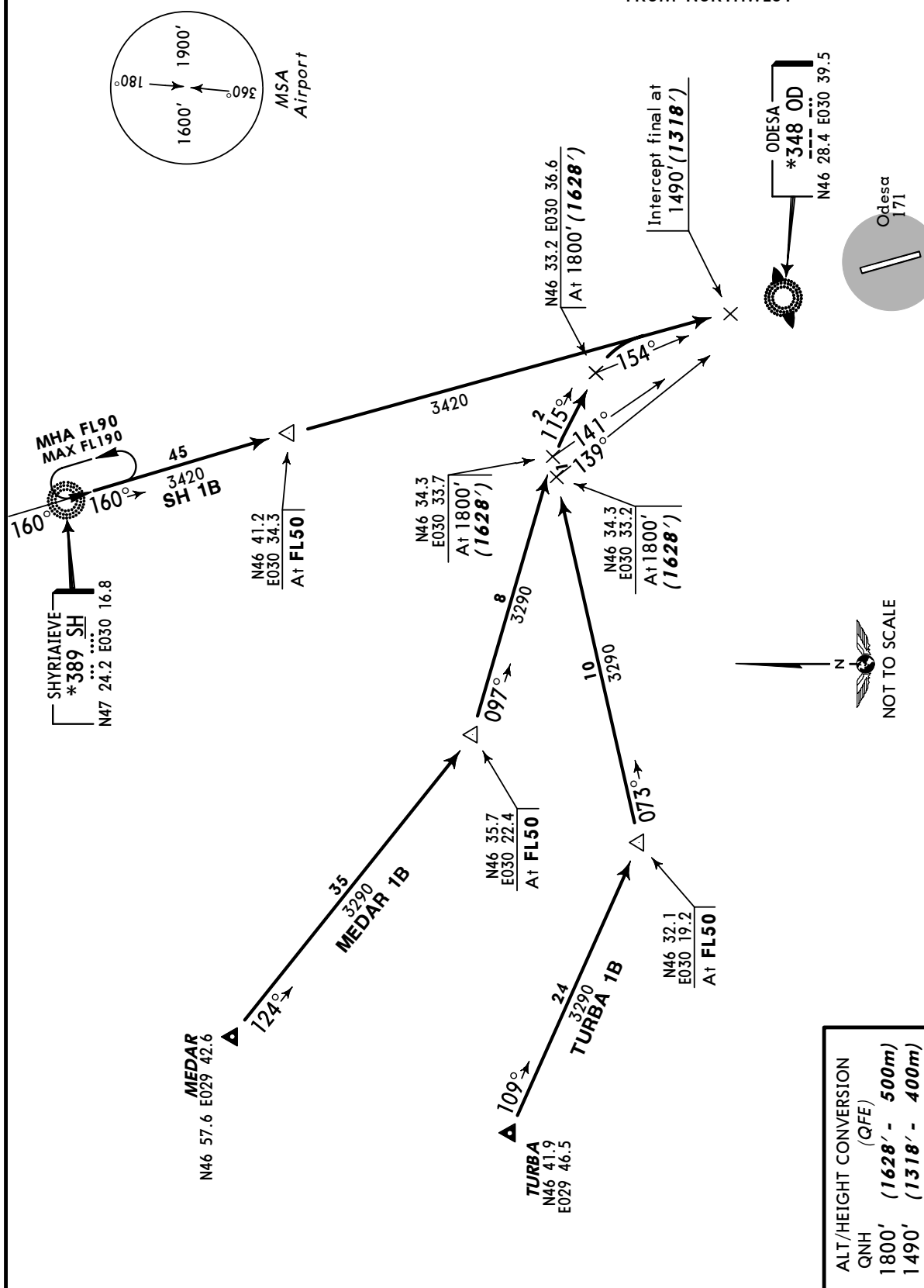
ODESA, UKRAINE

STAR

ATIS **124.8**

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1628')

**MEDAR 1B [MEDA1B]
SH 1B
TURBA 1B [TURB1B]
ARRIVALS
(RWY 16)
FROM NORTHWEST**



JEPPesen

26 APR 02

10-3

ODESA, UKRAINE

ODESA

SID

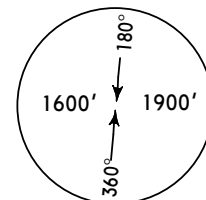
TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1635')

AMGOL 1D [AMGO1D], BAKNA 1D [BAKN1D], BULAN 1D [BULA1D]
BUNAG 1D [BUNA1D], KOSAK 1D [KOSA1D]
BAKNA 1F [BAKN1F], MEDAR 1D [MEDA1D]
MOKAD 1D [MOKA1D]

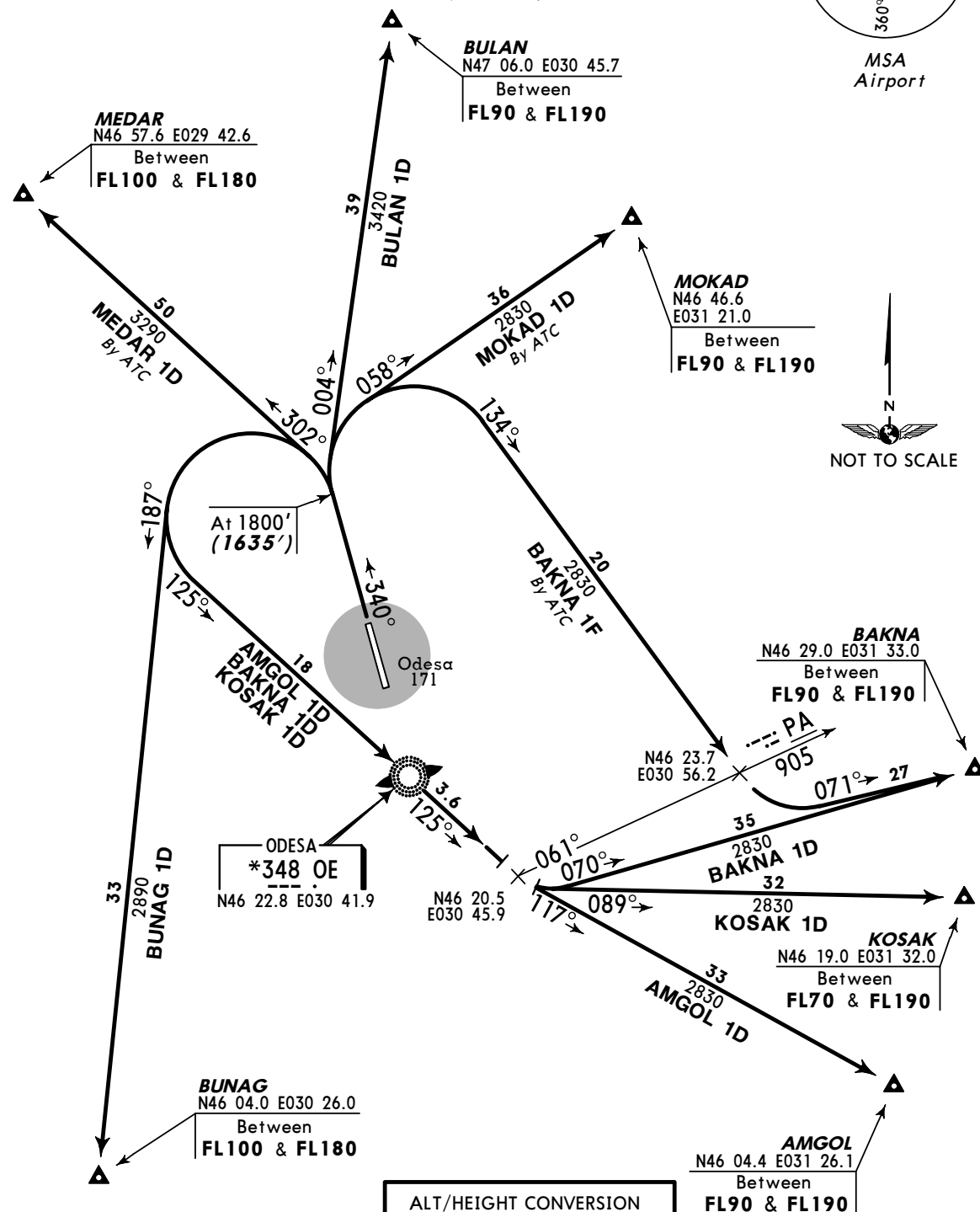
BY ATC

DEPARTURES

(RWY 34)



MSA
Airport



JEPPESEN

26 APR 02

10-3A

SID

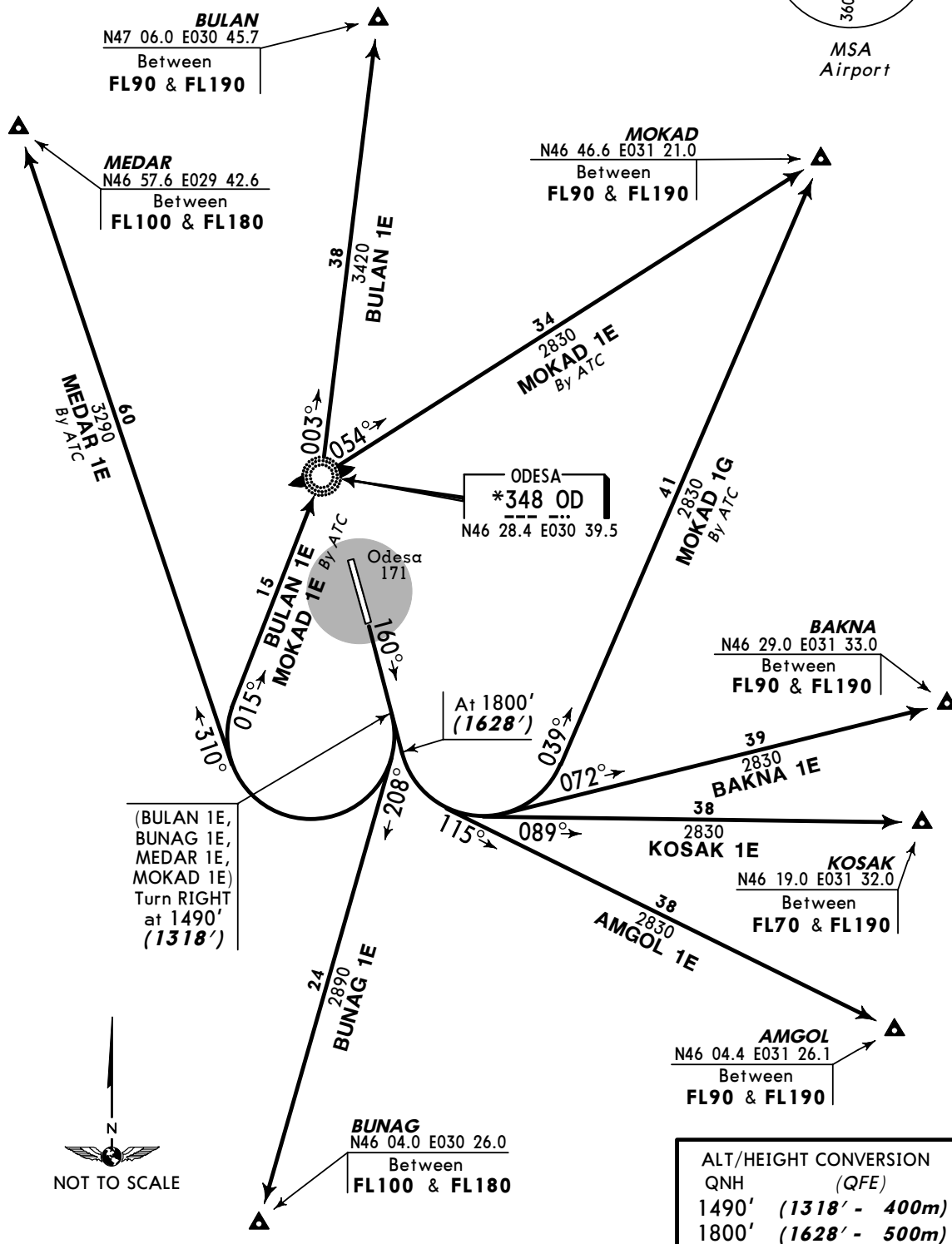
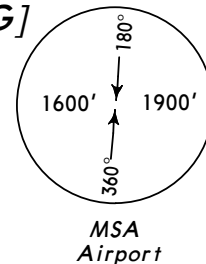
ODESA, UKRAINE

ODESA

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (**1628'**)

**AMGOL 1E [AMGO1E], BAKNA 1E [BAKN1E], BULAN 1E [BULA1E]
BUNAG 1E [BUNA1E], KOSAK 1E [KOSA1E]
MEDAR 1E [MEDA1E]
MOKAD 1E [MOKA1E], MOKAD 1G [MOKA1G]
BY ATC**

**DEPARTURES
(RWY 16)**



JEPPESEN

26 APR 02

10-3B

ODESA, UKRAINE
ODESA

SID

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1635')

**RATNA 1D [RATN1D], SH 1D, TARKA 1D [TARK1D]
TARKA 1F [TARK1F], TIRAP 1D [TIRA1D], ULGOT 1D [ULGO1D]**

TURBA 1D [TURB1D]

BY ATC

DEPARTURES
(RWY 34)

SHYRIAEVE
* 389 SH
N47 24.2 E030 16.8
Between
FL100 & FL180

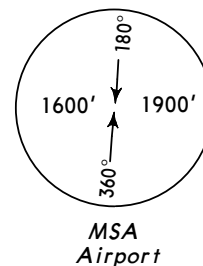
TURBA
N46 41.9 E029 46.5
Between
FL80 & FL180

TIRAP
N46 27.4 E029 45.3
Between
FL60 & FL80
or at FL180

RATNA
N46 11.0 E030 00.9
Between
FL100 & FL180

ULGOT
N45 42.0 E030 57.2
Between
FL150 & FL190

TARKA
N45 51.9 E031 06.0
Between
FL150 & FL190



ALT/HEIGHT CONVERSION
QNH (QFE)
1800' (1635' - 500m)

JEPPesen

26 APR 02

10-3C

ODESA, UKRAINE

ODESA

SID

TRANS LEVEL: FL30 if QNH is at or above 1001.3 hPa
FL40 if QNH is below 1001.3 hPa
TRANS ALT: 1800' (1628')

SHYRIAIEVE
*389 SH
N47 24.2 E030 16.8
Between
FL100 & FL180



NOT TO SCALE

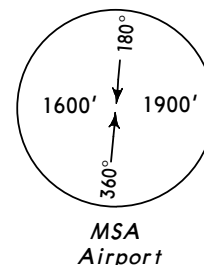
TURBA
N46 41.9 E029 46.5
Between
FL80 & FL180

TIRAP
N46 27.4 E029 45.3
Between
FL60 & FL80
or at FL180

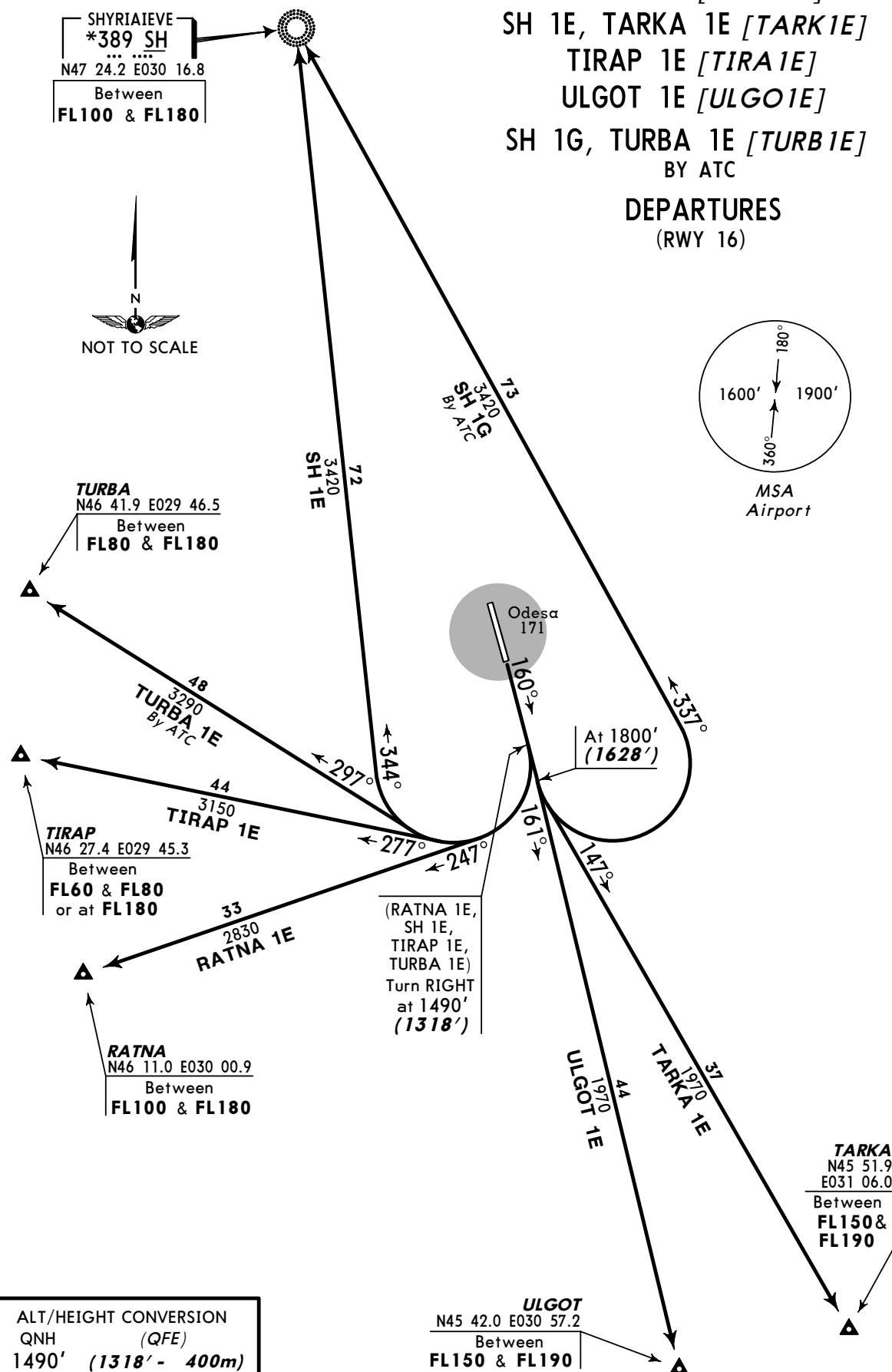
RATNA
N46 11.0 E030 00.9
Between
FL100 & FL180

ALT/HEIGHT CONVERSION
QNH (QFE)
1490' (1318' - 400m)
1800' (1628' - 500m)

RATNA 1E [RATN1E]
SH 1E, TARKA 1E [TARK1E]
TIRAP 1E [TIRA1E]
ULGOT 1E [ULGO1E]
SH 1G, TURBA 1E [TURB1E]
BY ATC
DEPARTURES
(RWY 16)



MSA
Airport



Notice: After 29.05.2003 0901Z this chart should not be used without first checking JeppView or NOTAMs.

UK00

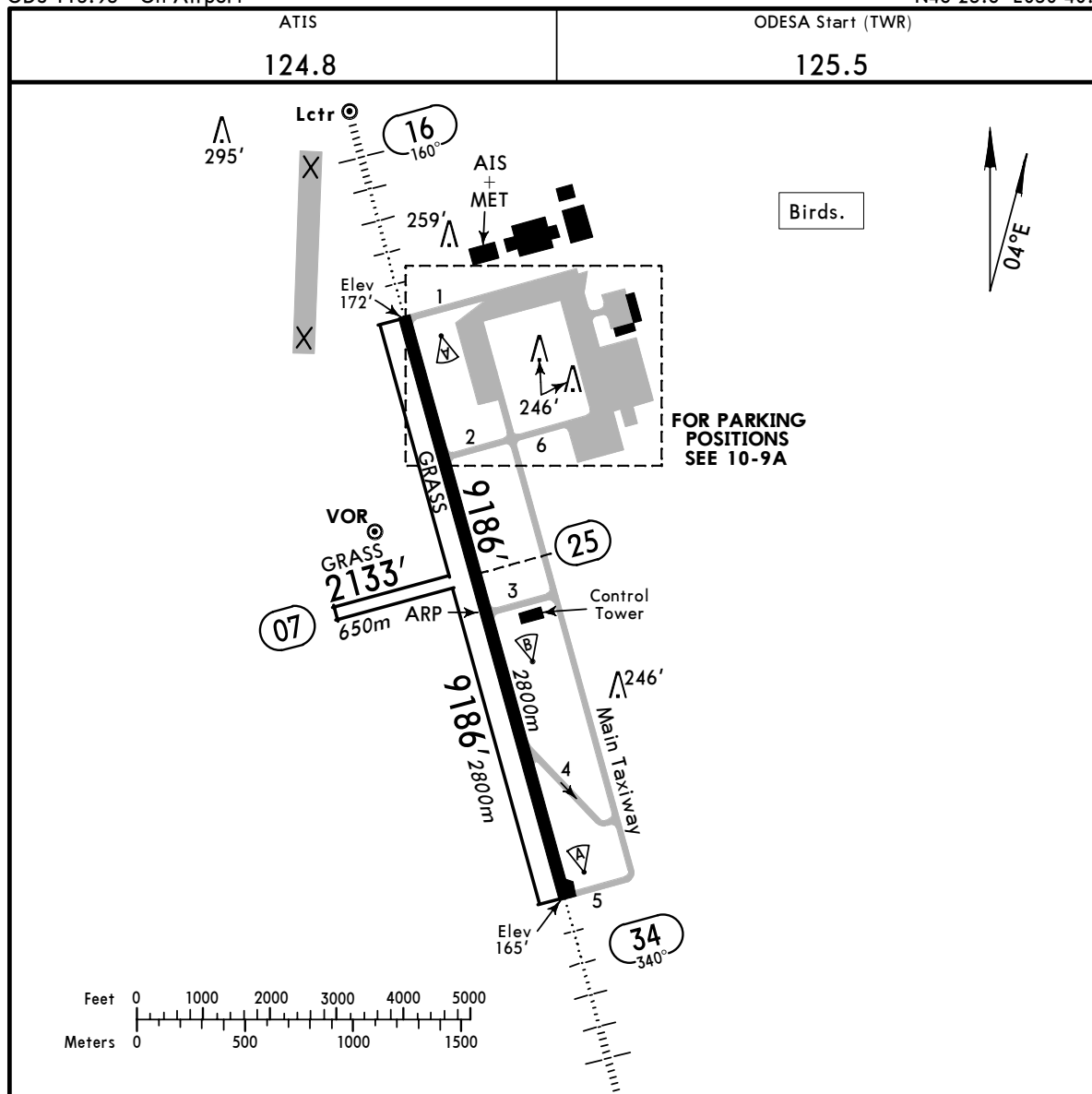
Apt Elev **171'**
ODS 113.95 - On Airport

JEPPesen

16 NOV 01 (10-9)

ODESA, UKRAINE

ODESA
N46 25.6 E030 40.7



ADDITIONAL RUNWAY INFORMATION

RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			Threshold	Landing Beyond		
07	25					197' 60m
16	34	HIRL (50m) HIALS	RVR	8235' 2510m	8760' 2670m ①	184' 56m
16	34	Grass runway				328' 100m

① First 427'/130m unusable for take-off.

TAKE-OFF

AIR CARRIER (JAA)	
Main rwy 16/34	
LVP must be in force	
RCLM (DAY only) or RL	RCLM (DAY only) or RL
A	
B	250m
C	
D	300m

Notice: After 29.05.2003 0901Z this chart should not be used without first checking JeppView or NOTAMs.

UK00

JEPPESEN

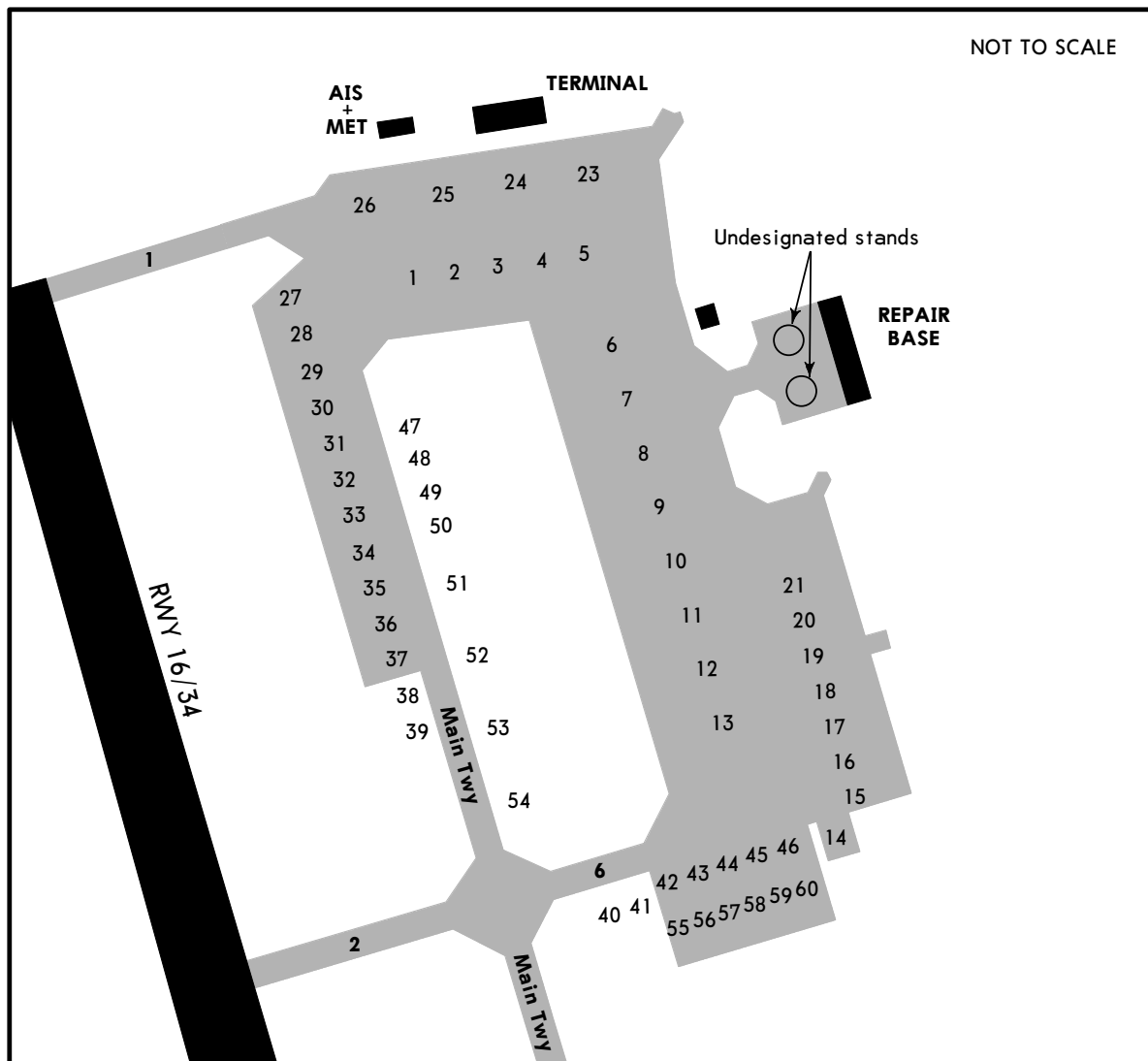
16 NOV 01

10-9A

ODESA, UKRAINE

ODESA

NOT TO SCALE



INS COORDINATES

STAND No.	COORDINATES
1	N46 26.4 E030 40.6
2 thru 4	N46 26.4 E030 40.7
5	N46 26.4 E030 40.8
6 thru 8	N46 26.3 E030 40.8
9	N46 26.2 E030 40.8
10 thru 12	N46 26.2 E030 40.9
13,14	N46 26.1 E030 40.9
26	N46 26.4 E030 40.6

Taxiing is strictly along centerline with inner engines power.
 Taxiing to stand 12 with caution.
 Use of stands 19 thru 21 is by towing.
 Use of stand 23 with follow-me car.
 Stands 38, 39 and 50 thru 54 available for helicopters.

UKOO

JEPPESEN

14 JUN 02

10-9X

JAA MINIMUMS

ODESA, UKRAINE

ODESA

STRAIGHT-IN RWY	A	B	C	D
16 ILS	372' (200')	372' (200')	372' (200')	372' (200')
	R550m	R550m	R550m	R550m
ALS out	R1000m	R1000m	R1000m	R1000m
LOC	NOT AUTHORIZED			
PAR	372' (200')	372' (200')	372' (200')	372' (200')
	R550m	R550m	R550m	R550m
ALS out	R1000m	R1000m	R1000m	R1000m
2 NDB	500' (328')	500' (328')	500' (328')	500' (328')
	R900m	R1000m	R1000m	R1400m
ALS out	R1500m	R1500m	R1800m	R2000m
34 ILS	365' (200')	365' (200')	365' (200')	365' (200')
	R550m	R550m	R550m	R550m
ALS out	R1000m	R1000m	R1000m	R1000m
LOC	NOT AUTHORIZED			
PAR	365' (200')	365' (200')	371' (206')	381' (216')
	R550m	R550m	R600m	R600m
ALS out	R1000m	R1000m	R1000m	R1000m
2 NDB	490' (325')	490' (325')	490' (325')	490' (325')
	R900m	R1000m	R1000m	R1400m
ALS out	R1500m	R1500m	R1800m	R2000m

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
Not authorized in sector 020° to 120°	580' (409')	680' (509')	780' (609')	880' (709')
	V1500m	V1600m	V2400m	V3600m

Take-off RWY 16, 34

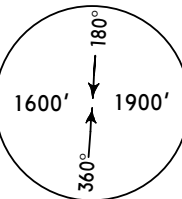
LVP must be in Force			
	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	250m	400m	500m
B			
C			
D	300m		

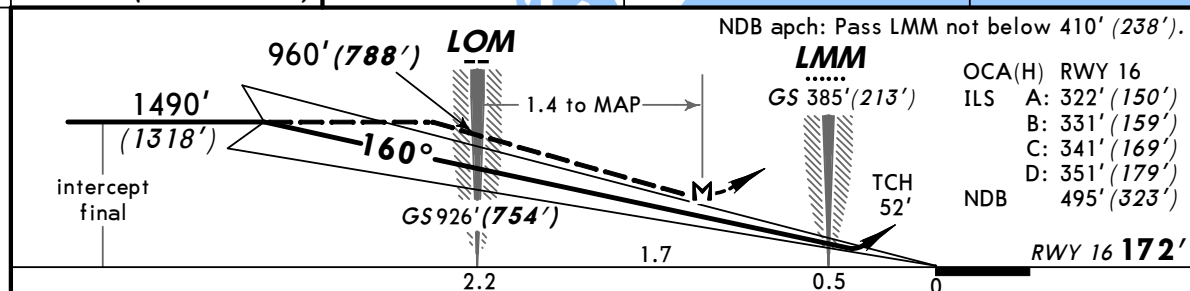
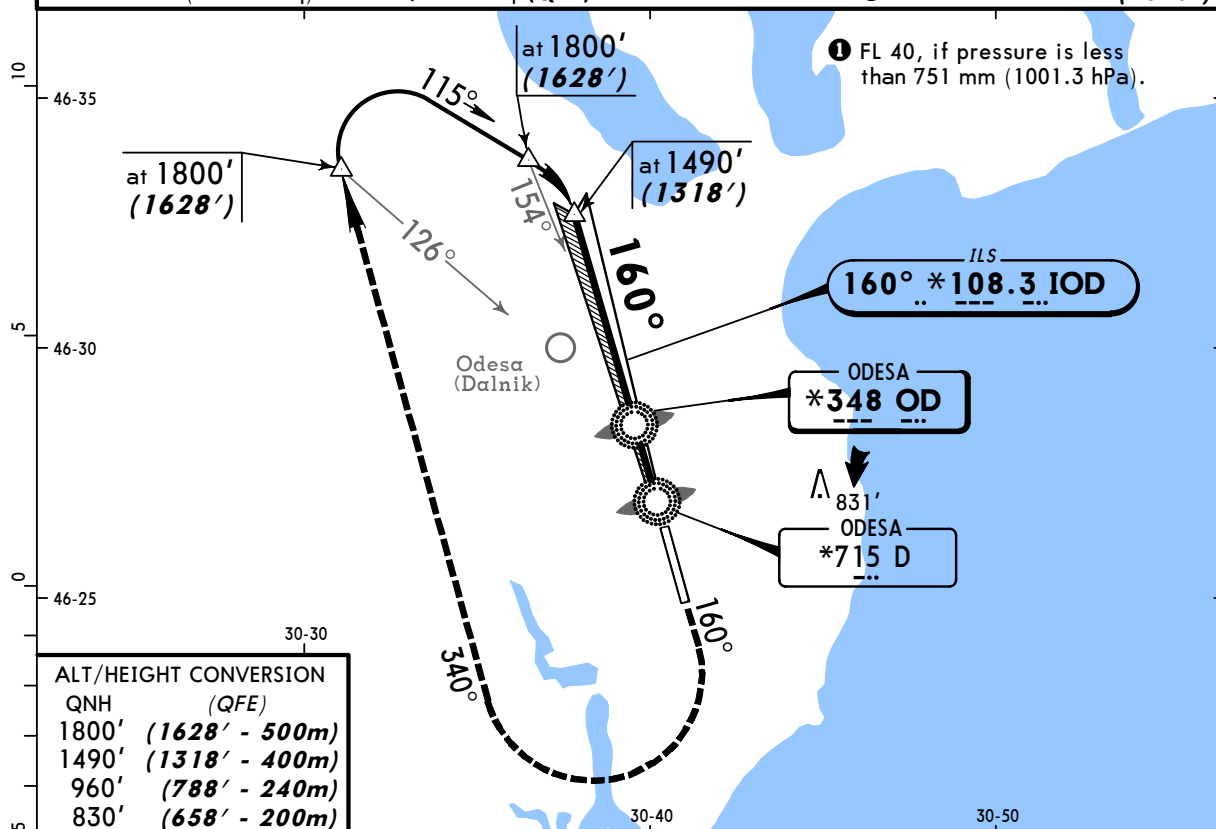
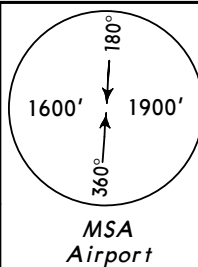
UK00
ODESA

JEPPesen
14 JUN 02 (11-1)

ODESA, UKRAINE
ILS or 2 NDB Rwy 16

BRIEFING STRIP™

ATIS		ODESA Approach		ODESA Radar		ODESA Precision		ODESA Start (TWR)		
124.8		127.7		120.9		125.5		125.5		
LOC IOD *108.3		Final Apch Crs 160°		GS LOM 926'(754')		ILS DA(H) 372'(200')		Apt Elev 171' RWY 172'		
NDB OD *348				Minimum Alt LOM 960'(788')		NDB MDA(H) 500'(328')				
MISSED APCH: Climb on 160° to 830'(658'), then turn RIGHT onto 340° climbing to 1800'(1628'), then according to chart.									 MSA Airport	
Alt Set: MM (hPa on req) QNH on req (QFE) Trans level: FL 30 ① Trans alt: 1800' (1628')										



Gnd speed-Kts	70	90	100	120	140	160	HIALS	830' (658') on 160°	340° RT	1800' (1628')
ILS GS	3.00°	377	485	539	647	755	862			
NDB Descent Gradient 5.5%		390	501	557	668	780	891			
LOM to MAP	1.4	1:12	0:56	0:50	0:42	0:36	0:32			

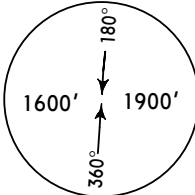
ILS		STRAIGHT-IN LANDING RWY 16		NDB		CIRCLE-TO-LAND	
DA(H) 372' (200')		LOC (GS out)		MDA(H) 500' (328')		Not authorized in sector 020° to 120°	
FULL	ALS out				ALS out	Max Kts	MDA(H)
A						100	570' (399') 1600m
B	RVR 720m VIS 800m	1200m			1200m RVR 1500m VIS 1600m	135	670' (499') 1600m
C		NOT AUTH				180	770' (599') 2400m
D					RVR 1500m VIS 1600m	205	860' (689') 3600m

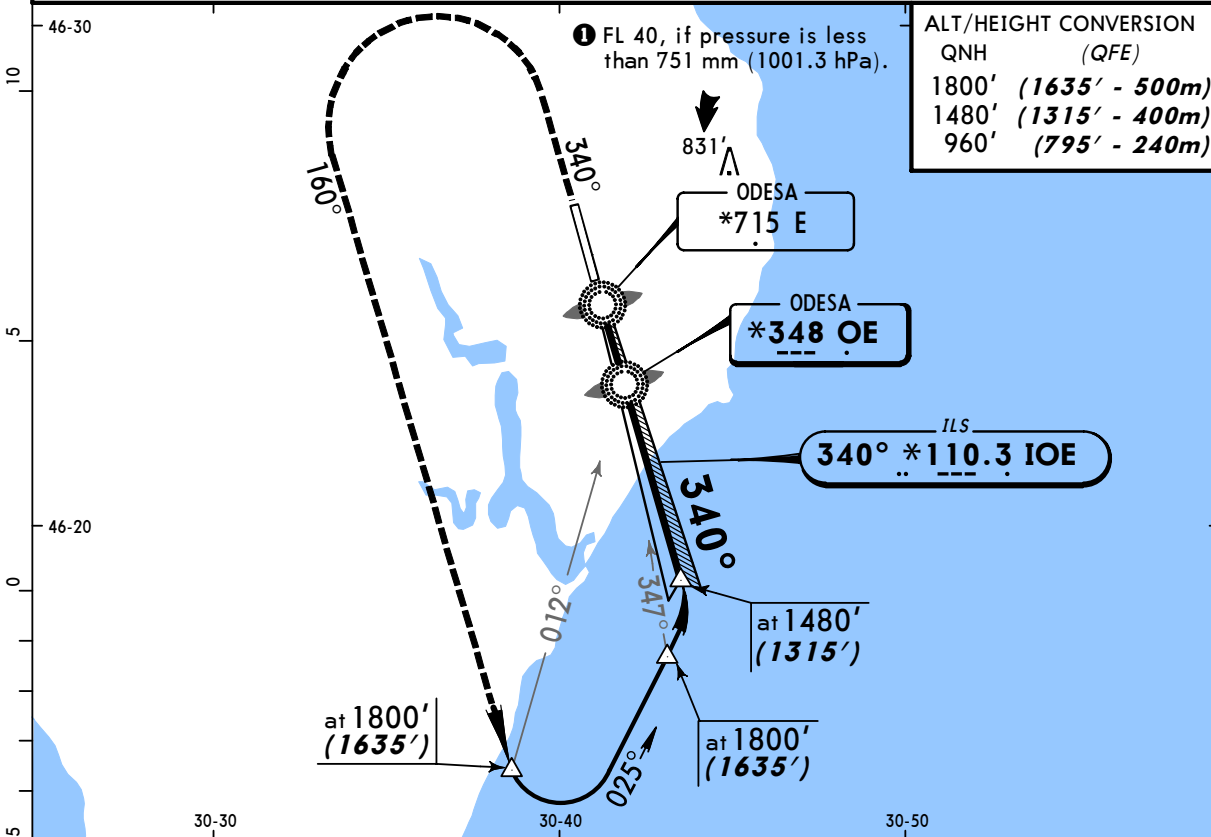
UK00
ODESA

JEPPESEN
14 JUN 02 (11-2)

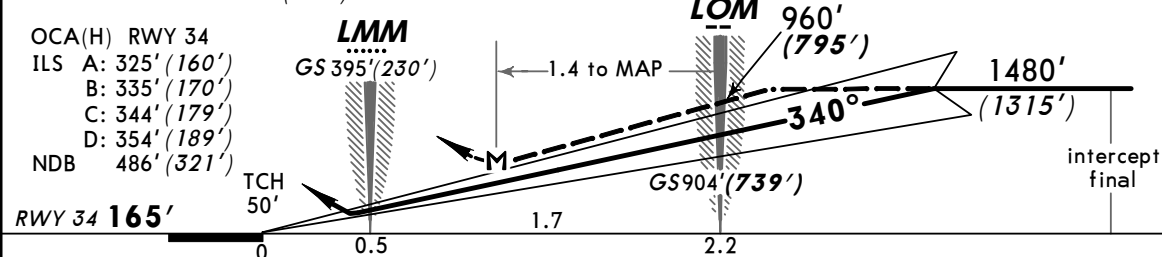
ODESA, UKRAINE
ILS or 2 NDB Rwy 34

BRIEFING STRIP™

ATIS		ODESA Approach		ODESA Radar		ODESA Precision		ODESA Start (TWR)		
124.8		127.7		120.9		125.5		125.5		
LOC IOE *110.3		Final Aptch Crs 340°		GS LOM 904'(739')		ILS DA(H) 365'(200')		Apt Elev 171' RWY 165'		
NDB OE *348				Minimum Alt LOM 960'(795')		NDB MDA(H) 490'(325')				
MISSED APCH: Climb on 340° to 1800'(1635'), then turn LEFT onto 160°, then according to chart.									 MSA Airport	
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 30 ❶		Trans alt: 1800' (1635')				



Pass LMM not below 395' (230').

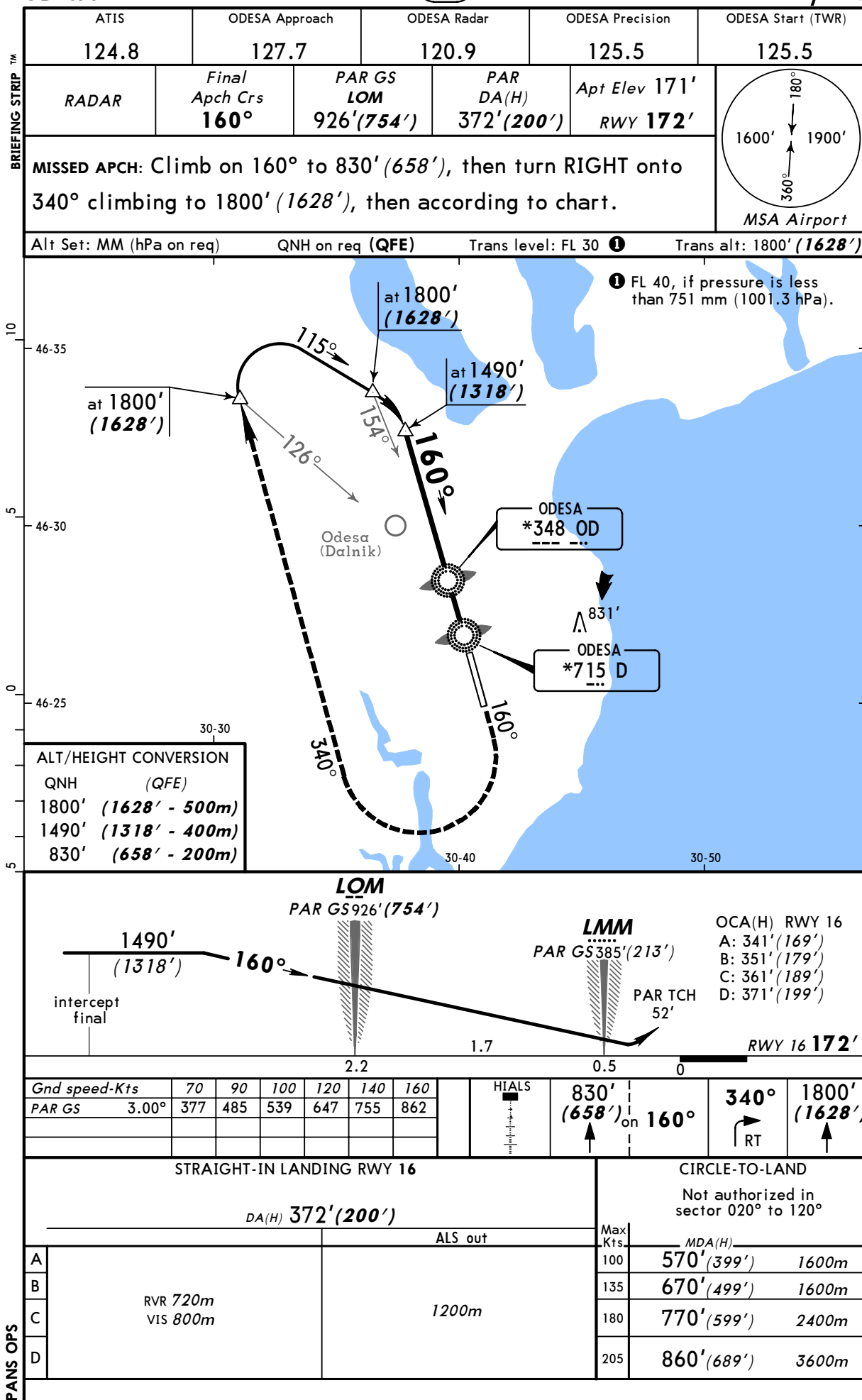


UK00
ODESA

JEPPesen

14 JUN 02 (18-1)

ODESA, UKRAINE
PAR Rwy 16



Notice: After 29.05.2003 0901Z this chart should not be used without first checking JeppView or NOTAMs.

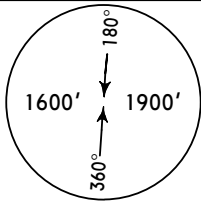
UK00
ODESA

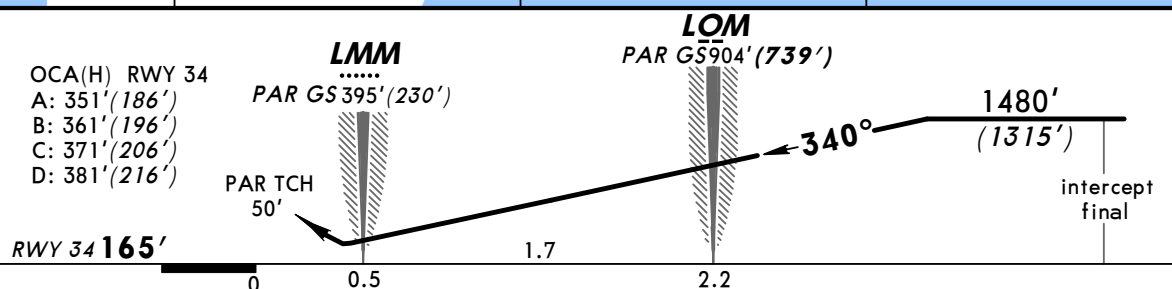
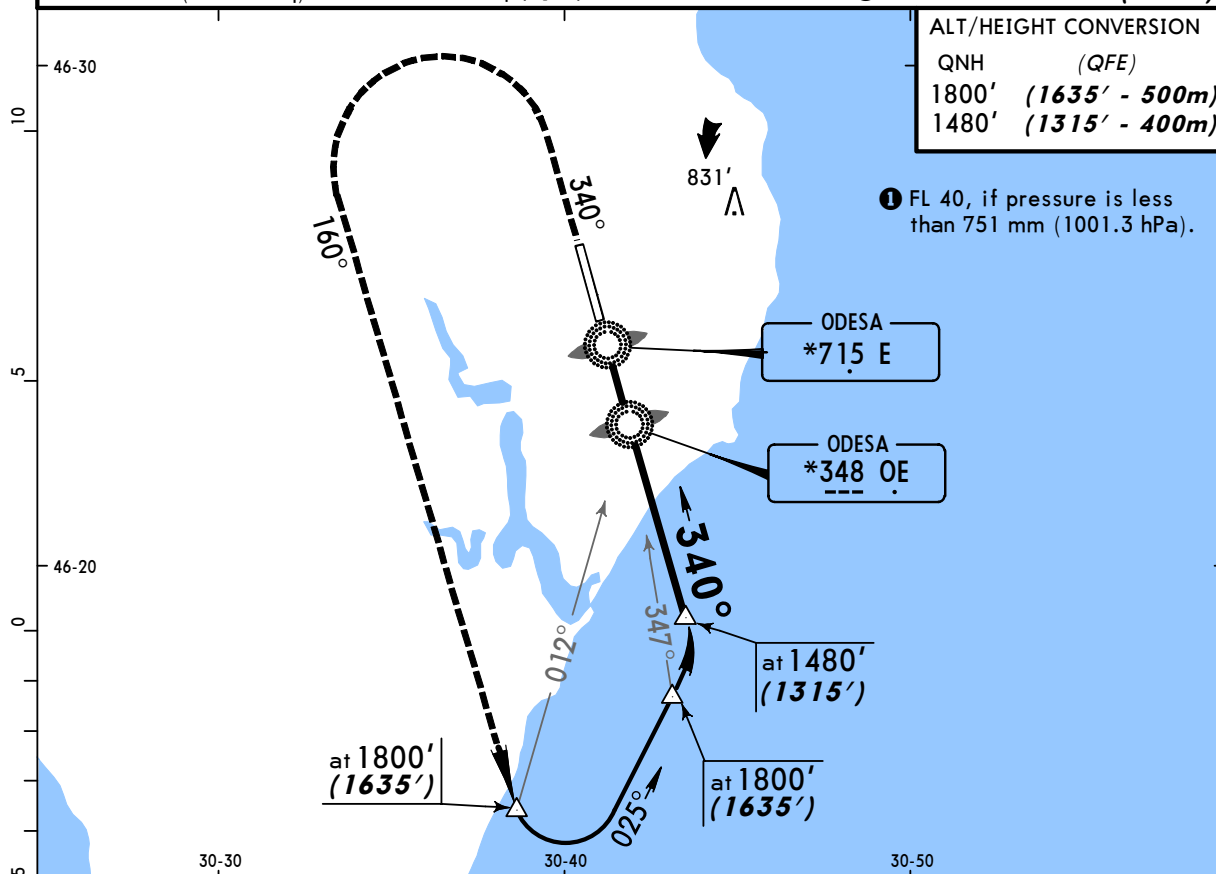
JEPPesen

14 JUN 02 (18-2)

ODESA, UKRAINE
PAR Rwy 34

BRIEFING STRIP

ATIS 124.8	ODESA Approach 127.7	ODESA Radar 120.9	ODESA Precision 125.5	ODESA Start (TWR) 125.5
RADAR	Final Apch Crs 340°	PAR GS LOM 904'(739')	PAR DA(H) Refer to Minimums	Apt Elev 171' RWY 165'
MISSED APCH: Climb on 340° to 1800' (1635'), then turn LEFT onto 160°, then according to chart.				 MSA Airport
Alt Set: MM (hPa on req)		QNH on req (QFE)		Trans level: FL 30 ①
				Trans alt: 1800' (1635')



Gnd speed-Kts	70	90	100	120	140	160		HIALS	1800' (1635') on 340°
PAR GS	3.00°	377	485	539	647	755	862		

STRAIGHT-IN LANDING RWY 34				CIRCLE-TO-LAND			
DA(H)		C: 371'(206')		Not authorized in sector 020° to 120°			
AB: 365'(200')		D: 381'(216')					
		ALS out		Max Kts	MDA(H)		
A	RVR 720m VIS 800m		1200m		100	570'(399')	1600m
B					135	670'(499')	1600m
C					180	770'(599')	2400m
D					205	860'(689')	3600m

PANS OPS