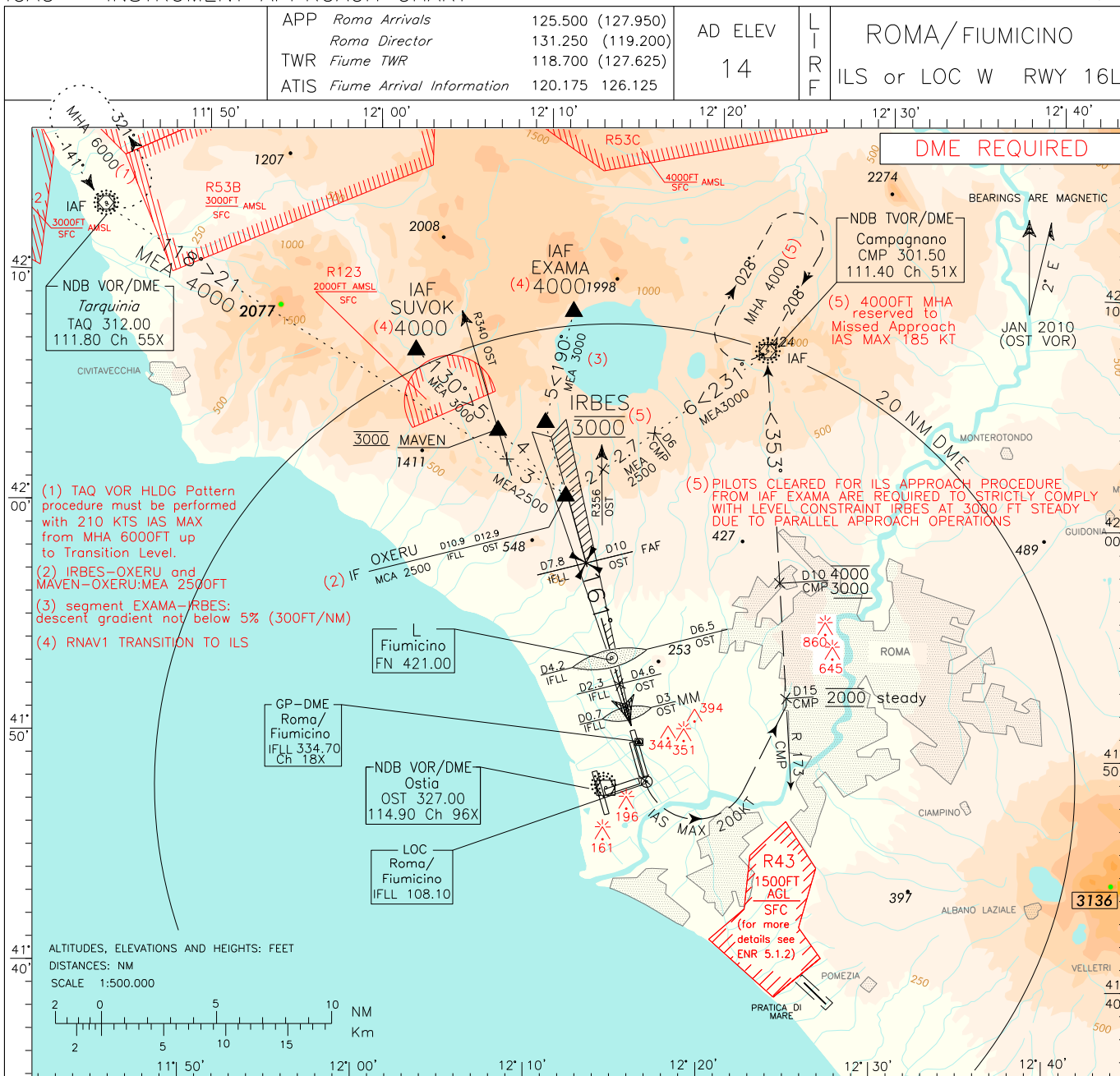




DOC. 8168 ED.6 - 2014 - AMDT 7

DOC. 8168 ED.6 — 2014 — AMDT 7

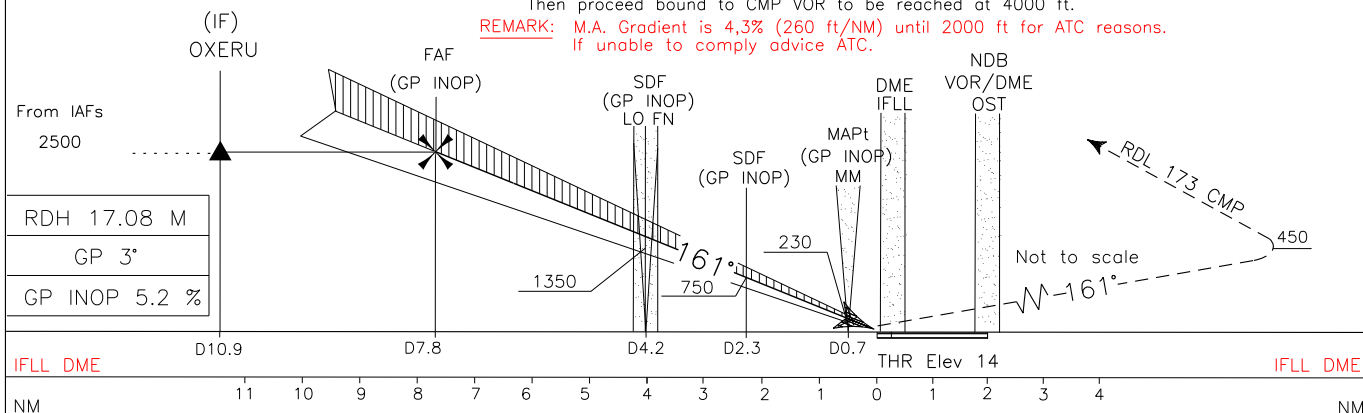
CHANGE: MSA VALUE AMENDED



TRANSITION ALT 6000

MISSED APPROACH: Proceed on RWY heading 161° climbing to 4000 ft; at 450 ft turn left (IAS MAX 200 kt) to join RDL 173 CMP VOR. Maintain 2000 ft until point RDL 173/15 NM CMP VOR/DME, then climb in order to cross RDL 173/10 NM CMP VOR/DME between 3000 ft and 4000 ft. Then proceed bound to CMP VOR to be reached at 4000 ft.

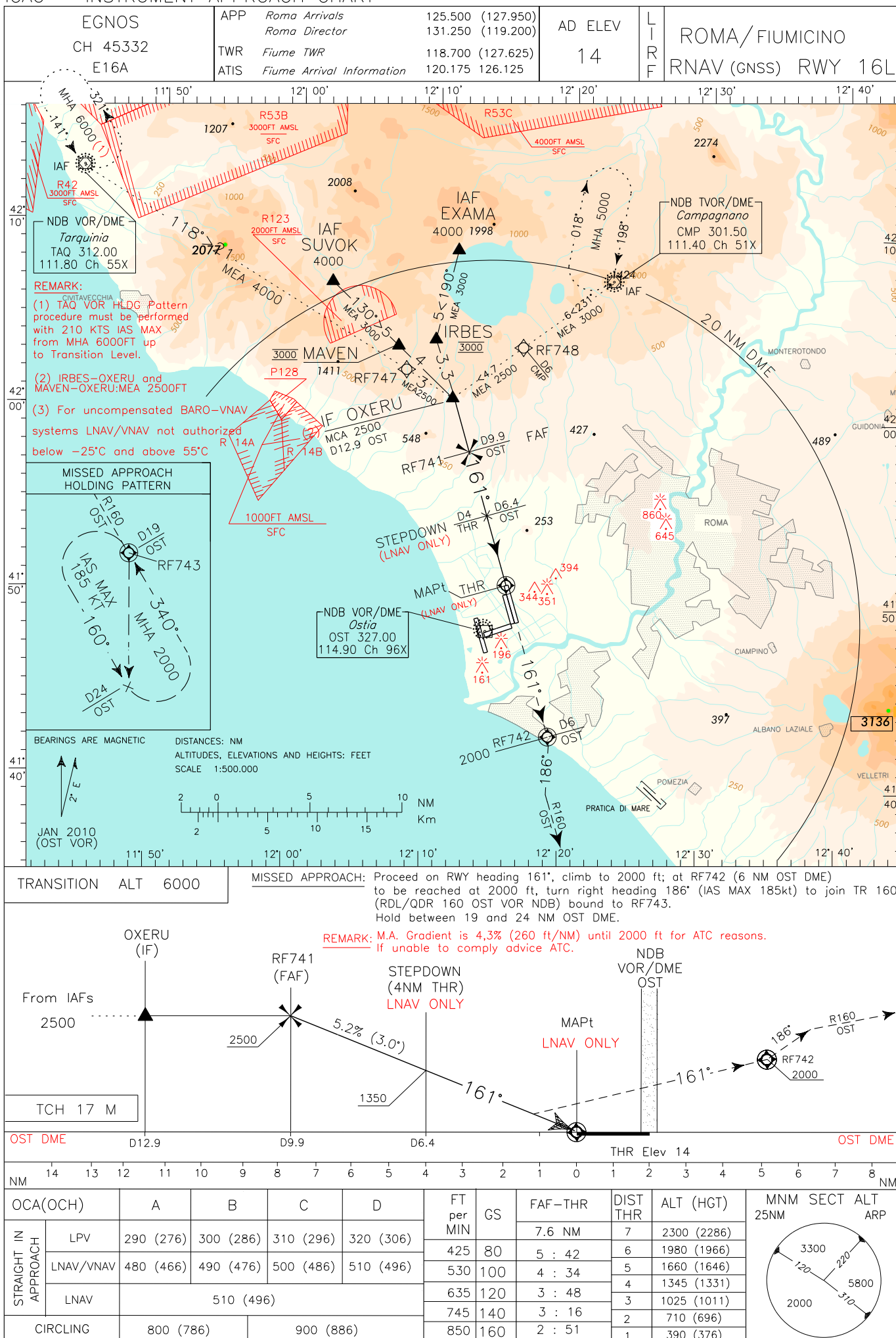
REMARK: M.A. Gradient is 4,3% (260 ft/NM) until 2000 ft for ATC reasons.
If unable to comply advise ATC.



OCA(OCH)						A	B	C	D	FT per MIN	GS	FAF—OM	OM—MM	MNM OST	SECT VOR	ALT NDB
STRAIGHT IN APPROACH	ILS CAT I	269 (255)	281 (267)	289 (275)	300 (286)	3.6 NM	3.5 NM									
	ILS CAT II	170 (156)	180 (166)	185 (171)	200 (186)	2 : 42	2 : 38									
	LOC	420 (406)				2 : 10	2 : 06									
	CIRCLING	800 (786)			900 (886)		1 : 48	1 : 45								
							2 : 33	1 : 30								
							1 : 21	1 : 19								

DOC. 8168 ED.6-2014

CHANGE: IRBES — OXERU DISTANCE AND MSA VALUE AMENDED



Roma Fiumicino RNAV(GNSS) RWY16L – Instrument Approach procedure via TAQ

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	TAQ	-	-	-	+6000	-	-	-	-	-
TF	RF747	-	118°(120.2°)	-	+4000	-	-	-	-	-
TF	OXERU	-	118°(120.2°)	-	+2500	-	-	-	-	-
TF	RF741	-	161°(162.6°)	-	+2500	-	-	-	-	-
-	-	-	161°(162.6°)	-	+1350	-	-	-	4NM	Stepdown fix (LNAV)
TF	THR16L	Y	161°(162.6°)	-	-	-	-	-	-	MAPt (LNAV)
TF	RF742	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY16L – Instrument Approach procedure via CMP

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	CMP	-	-	-	+5000	-	-	-	-	-
TF	RF748	-	231°(232.9°)	-	+3000	-	-	-	-	-
TF	OXERU	-	231°(232.9°)	-	+2500	210	-	-	-	-
TF	RF741	-	161°(162.6°)	-	+2500	-	-	-	-	-
-	-	-	161°(162.6°)	-	+1350	-	-	-	4NM	Stepdown fix (LNAV)
TF	THR16L	Y	161°(162.6°)	-	-	-	-	-	-	MAPt (LNAV)
TF	RF742	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY16L – Instrument Approach procedure via SUVOK

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	SUVOK	-	-	-	+4000	-	-	-		
TF	MAVEN	-	130°(132.4°)	-	@3000	-	-	-		
TF	OXERU	-	130°(132.4°)	-	+2500	210	-	-		
TF	RF741	-	161°(162.6°)	-	+2500	-	-	-		
-	-	-	161°(162.6°)	-	+1350	-	-	-	4NM	Stepdown fix (LNAV)
TF	THR16L	Y	161°(162.6°)	-	-	-	-	-		MAPt (LNAV)
TF	RF742	Y	161°(162.6°)	-	+2000	-	-	-		
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY16L – Instrument Approach procedure via EXAMA

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	EXAMA	-	-	-	+4000	-	-	-	-	-
TF	IRBES	-	190°(192.5°)	-	@3000	-	-	-	-	-
TF	OXERU	-	161°(162.6°)	-	+2500	210	-	-	-	-
TF	RF741	-	161°(162.6°)	-	+2500	-	-	-	-	-
-	-	-	161°(162.6°)	-	+1350	-	-	-	4NM	Stepdown fix (LNAV)
TF	THR16L	Y	161°(162.6°)	-	-	-	-	-	-	MAPt (LNAV)
TF	RF742	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

(1) RNAV system with holding functionality

(2) RNAV system without holding functionality

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
RF741	N41580252	E012123776
RF742	N41431783	E012184843
RF743	N41300918	E012220368
RF744	N42040226	E012161410
RF747	N42022899	E012075471
RF748	N42034831	E012162758

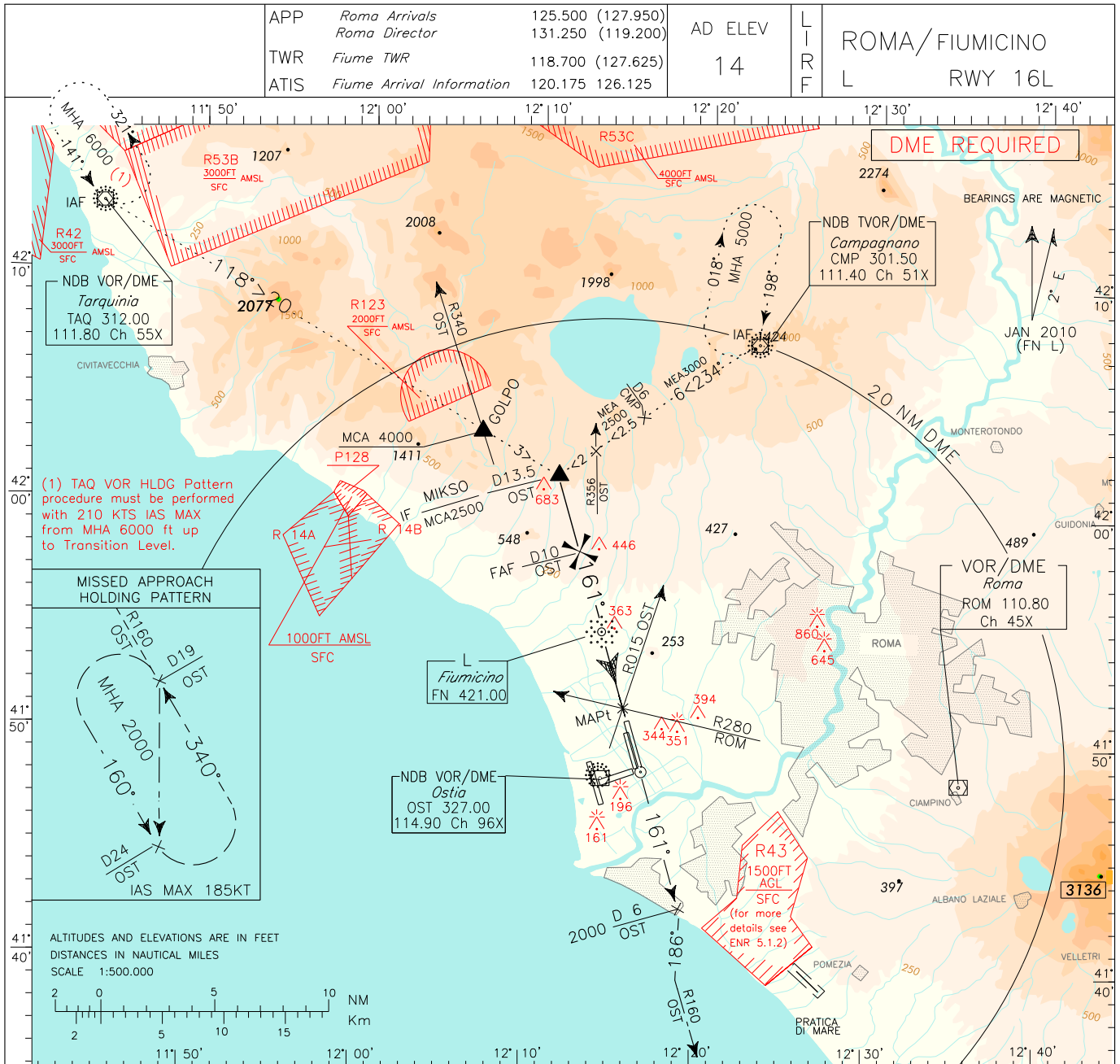
SBAS FAS DATA BLOCK LIRF RNAV (GNSS) RWY16L

INPUT DATA	
PARAMETERS	VALUES
Operation Type	0
SBAS Provider	1
Airport Identifier	LIRF
Runway	16
Runway Direction	3
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E16A
LTP/FTP Latitude	415045.4900N
LTP/FTP Longitude	0121541.3810E
LTP/FTP Ellipsoidal Height (metres)	52.2
FPAP Latitude	414842.4365N
Delta FPAP Latitude (seconds)	-123.0535
FPAP Longitude	0121632.8770E
Delta FPAP Longitude (seconds)	51.4960
Threshold Crossing Height	17.0
TCH Units Selector	1
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	80
HAL	40.0
VAL	50.0

OUTPUT DATA	
Data Block	10 06 12 09 0C D0 00 00 01 36 31 05 E4 55 F5 11 8A 16 43 05 0A 16 A5 3E FC 50 92 01 54 81 2C 01 64 0A C8 FA B4 91 43 84
Calculated CRC Value	B4914384

DOC. 8168 ED.6 – 2014

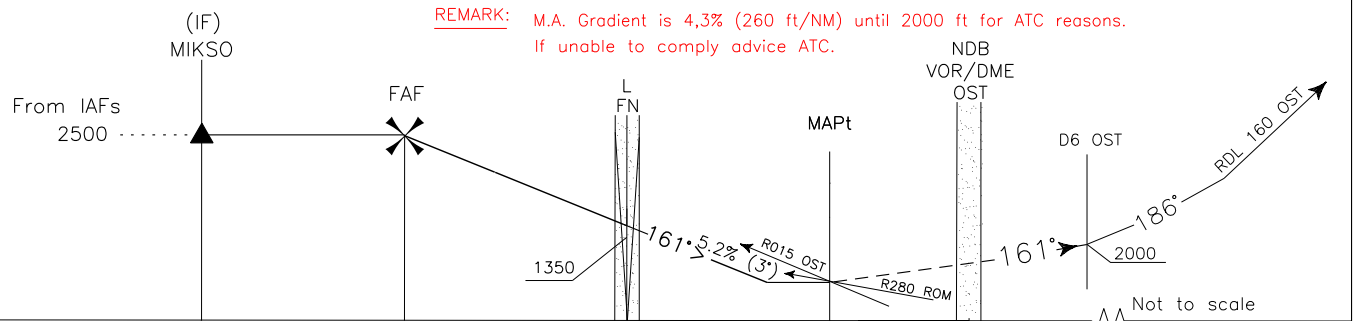
CHANGE: MSA VALUE AMENDED



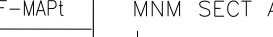
TRANSITION ALT 6000

MISSED APPROACH: At MAPt climb to 2000 ft and proceed on QDR 161° (TR 161°); at 6 NM OST DME to be reached at 2000 ft, turn right heading 186° to join RDL/QDR 160 OST VOR NDB; hold between 19 and 24 NM OST DME – IAS MAX 185 kt.

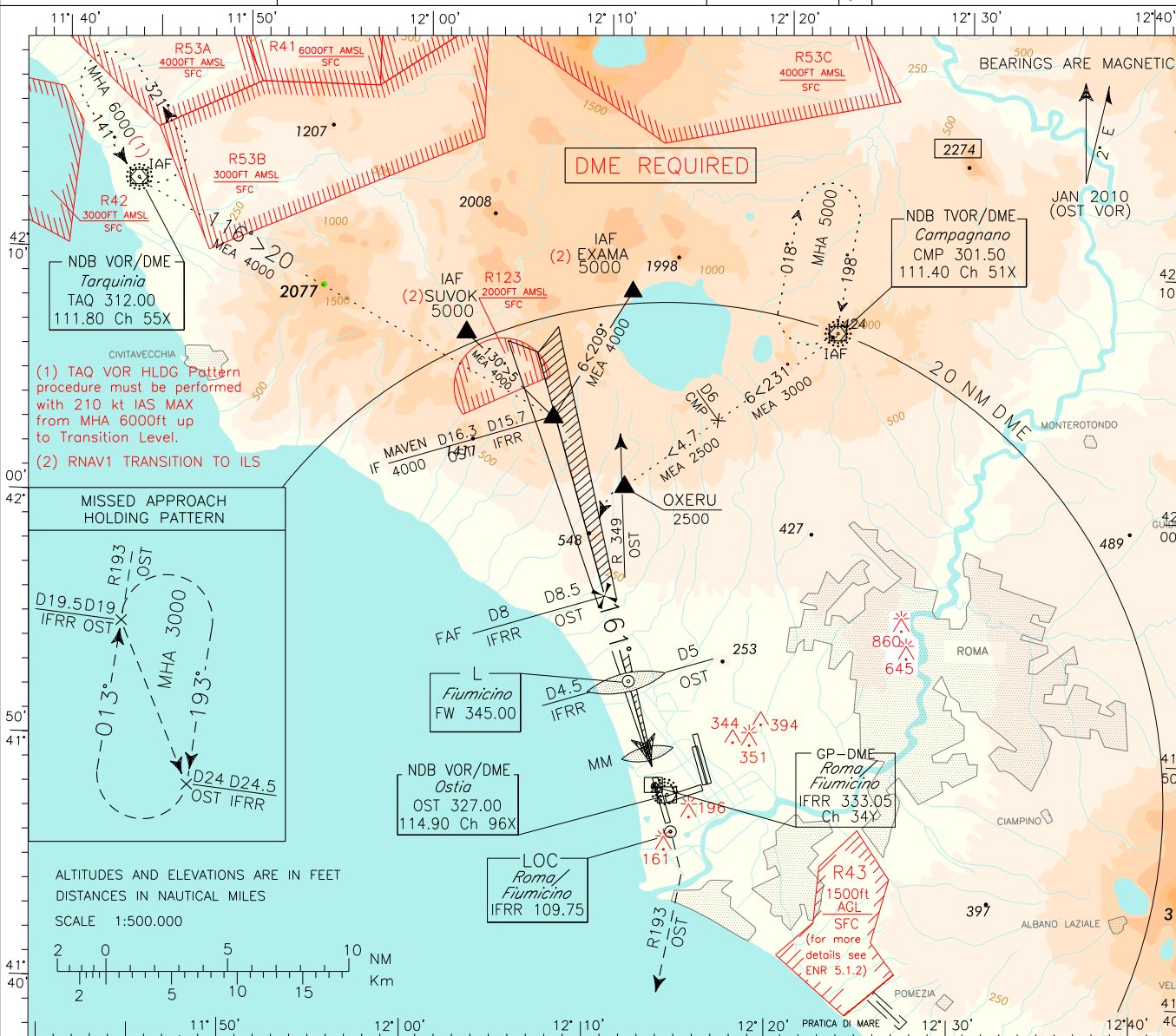
REMARK: M.A. Gradient is 4,3% (260 ft/NM) until 2000 ft for ATC reasons. If unable to comply advice ATC.



OST DME 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 NM

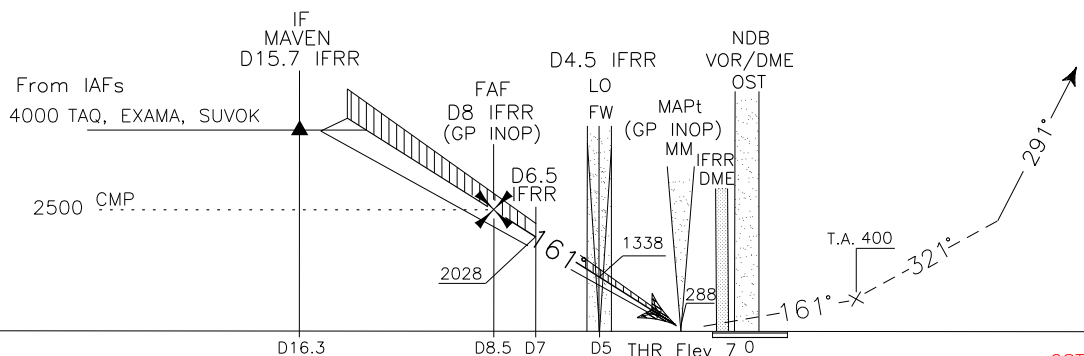
OCA(OCH)		A	B	C	D	OST DME	ALT(HGT)	FT per MIN	GS	FAF—MAPt	MNM SECT ALT 
STRAIGHT IN APPROACH	L	650 (636)								7.2 NM	
										9 2180(2166) 425 80 5 : 24	
										8 1860(1846) 530 100 4 : 19	
					7 1535(1521) 635 120 3 : 36						
					6 1210(1196) 745 140 3 : 05						
CIRCLING		800 (786)		900 (886)		5 880(866) 850 160 2 : 42					

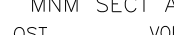
AD ELEV	L	ROMA/FIUMICINO
14	R	ILS or LOC Z RWY 16R
	F	ATC DISCRETION ONLY

[illegible]

[illegible]

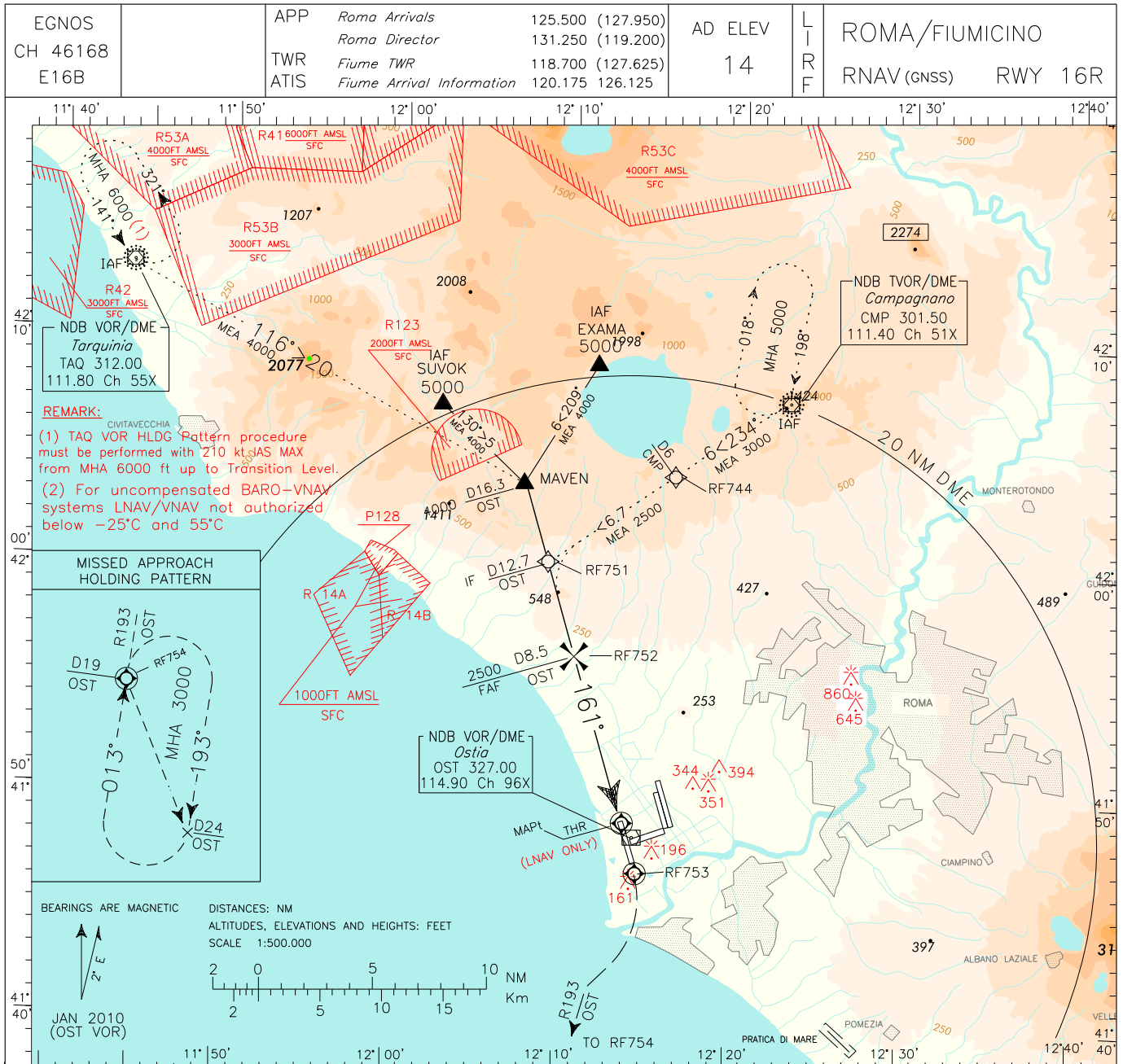
RDH	17.50	M
GP	3°	
GP INOP	5.2	%

2500 CM⁻¹

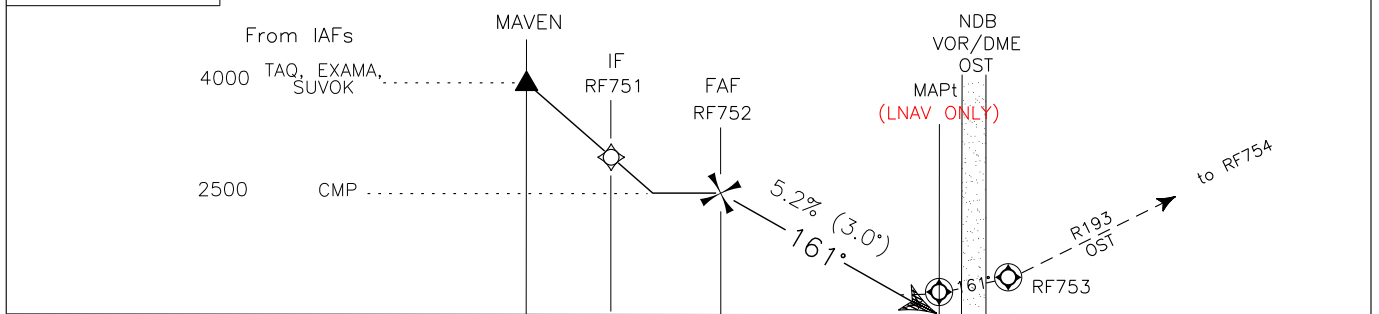
OCA(OCH)		A	B	C	D	FT per MIN	GS	FAF—OM	OM—MM	MNM SECT ALT OST VOR NDB 
STRAIGHT IN APPROACH	ILS CAT I	190 (183)	200 (193)	210 (203)	220 (213)			3.5 NM	3.3 NM	
	ILS CAT II	83 (76)	100 (93)	112 (105)	126 (119)			2 : 37	2 : 28	
	L0C	400 (386)						2 : 06	1 : 59	
	CIRCLING	800 (786)		900 (886)				1 : 45	1 : 39	
								1 : 30	1 : 25	
						1 : 18	1 : 14			

DOC. 8168 ED.6-2014

CHANGE: MSA VALUE AMENDED



TRANSITION ALT 6000 MISSED APPROACH: Proceed on RWY heading 161°, climbing to 3000FT. AT RF 753 (D1.5 after OST DME) turn right on track 193° (RDL/QDR 193 OST VOR NDB) bound to RF754.
TCH 17.5 M Hold between 19 and 24 NM OST DME. Cross 2000 ft not further than 9 NM OST DME.



OST DME					OST DME				
NM					NM				
OCA(OCH)	A	B	C	D					
STRAIGHT IN APPROACH	LPV	260 (253)	260 (253)	270 (263)	280 (273)				
	LNAV/VNAV	300 (293)	310 (303)	320 (313)	330 (323)				
	LNAV	420 (406)							
CIRCLING	800 (786)		900 (886)						

FT per MIN	GS	FAF-THR	DIST	ALT(HGT)	MNM SECT ALT	
425	80	5 : 42	6NM	1970(1963)	25NM	ARP
530	100	4 : 34	5NM	1655(1648)		
635	120	3 : 48	4NM	1335(1328)		
745	140	3 : 15	3NM	1020(1013)		
850	160	2 : 51	2NM	700(693)		

Roma Fiumicino RNAV(GNSS) RWY16R – Instrument Approach procedure via TAQ

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	TAQ	-	-	-	+6000	-	-	-		
TF	MAVEN	-	116°(117.6°)	-	+4000	-	-	-		
TF	RF751	-	161°(162.6°)	-	+3000	-	-	-		
TF	RF752	-	161°(162.6°)	-	2500	-	-	-		
TF	THR16R	Y	161°(162.6°)	-		-	-	-		
TF	RF753	Y	161°(162.6°)	-	+450	-	-	-		
CF	RF754	Y	193°(195.0°)	-	+3000	-	OST VOR/DME	193°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF754	013°(015.0°)	5.0	- / 7.0	R	3000	-	-	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY16R – Instrument Approach procedure via CMP

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	CMP	-	-	-	+5000	-	-	-		
TF	RF744	-	234°(235.7°)	-	+3000	-	-	-		
TF	RF751	-	234°(235.7°)	-	+3000	210	-	-		
TF	RF752	-	161°(162.6°)	-	2500	-	-	-		
TF	THR16R	Y	161°(162.6°)	-		-	-	-		
TF	RF753	Y	161°(162.6°)	-	+450	-	-	-		
CF	RF754	Y	193°(195.0°)	-	+3000	-	OST VOR/DME	193°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF754	013°(015.0°)	5.0	- / 7.0	R	3000	-	-	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY16R – Instrument Approach procedure via SUVOK

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	SUVOK	-	-	-	+5000	-	-	-		
TF	MAVEN	-	130°(132.4°)	-	+4000	-	-	-		
TF	RF751	-	161°(162.6°)	-	+3000	-	-	-		
TF	RF752	-	161°(162.6°)	-	2500	-	-	-		
TF	THR16R	Y	161°(162.6°)	-		-	-	-		
TF	RF753	Y	161°(162.6°)	-	+450	-	-	-		
CF	RF754	Y	193°(195.0°)	-	+3000	-	OST VOR/DME	193°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF754	013°(015.0°)	5.0	- / 7.0	R	3000	-	-	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY16R – Instrument Approach procedure via EXAMA

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	EXAMA	-	-	-	+5000	-	-	-		
TF	MAVEN	-	209°(210.5°)	-	+4000	-	-	-		
TF	RF751	-	161°(162.6°)	-	+3000	-	-	-		
TF	RF752	-	161°(162.6°)	-	2500	-	-	-		
TF	THR16R	Y	161°(162.6°)	-		-	-	-		
TF	RF753	Y	161°(162.6°)	-	+450	-	-	-		
CF	RF754	Y	193°(195.0°)	-	+3000	-	OST VOR/DME	193°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF754	013°(015.0°)	5.0	- / 7.0	R	3000	-	-	2.1	Conventional/ RNAV 1

(1) RNAV system with holding functionality

(2) RNAV system without holding functionality

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
RF744	N42040226	E012161410
RF751	N42001732	E012084834
RF752	N41561388	E012103102
RF753	N41464373	E012143023
RF754	N41295210	E012074254

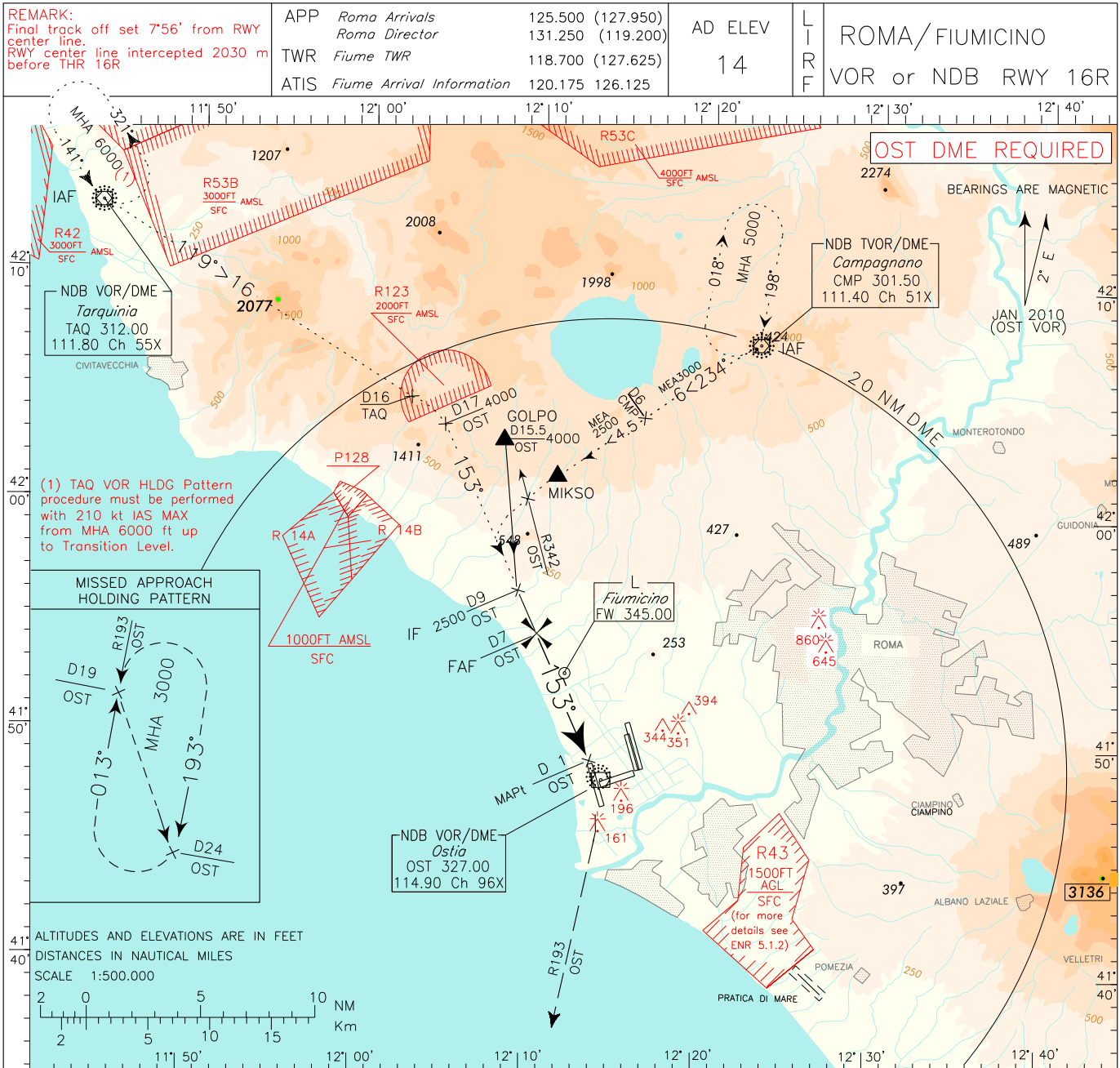
SBAS FAS DATA BLOCK LIRF RNAV (GNSS) RWY16R

INPUT DATA	
PARAMETERS	VALUES
Operation Type	0
SBAS Provider	1
Airport Identifier	LIRF
Runway	16
Runway Direction	1
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E16B
LTP/FTP Latitude	414855.8640N
LTP/FTP Longitude	0121334.9135E
LTP/FTP Ellipsoidal Height (metres)	50.1
FPAP Latitude	414652.8815N
Delta FPAP Latitude (seconds)	-122.9825
FPAP Longitude	0121426.4050E
Delta FPAP Longitude (seconds)	51.4915
Threshold Crossing Height	57.4
TCH Units Selector	0
Glidepath Angle (degrees)	3
Course Width (metres)	105
Length Offset (metres)	744
HAL	40
VAL	50

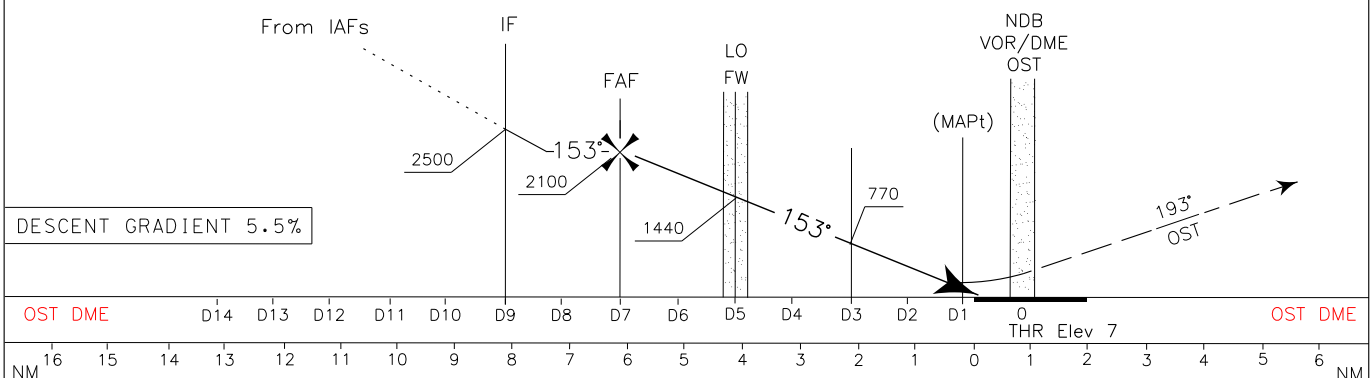
OUTPUT DATA	
Data Block	10 06 12 09 0C 50 00 00 02 36 31 05 70 FD F1 11 83 3A 3F 05 F5 15 33 3F FC 47 92 01 3E 02 2C 01 64 5D C8 FA AC 75 B7 06
Calculated CRC Value	AC75B706

DOC. 8168 ED.6-2014

CHANGE: MSA VALUE AMENDED



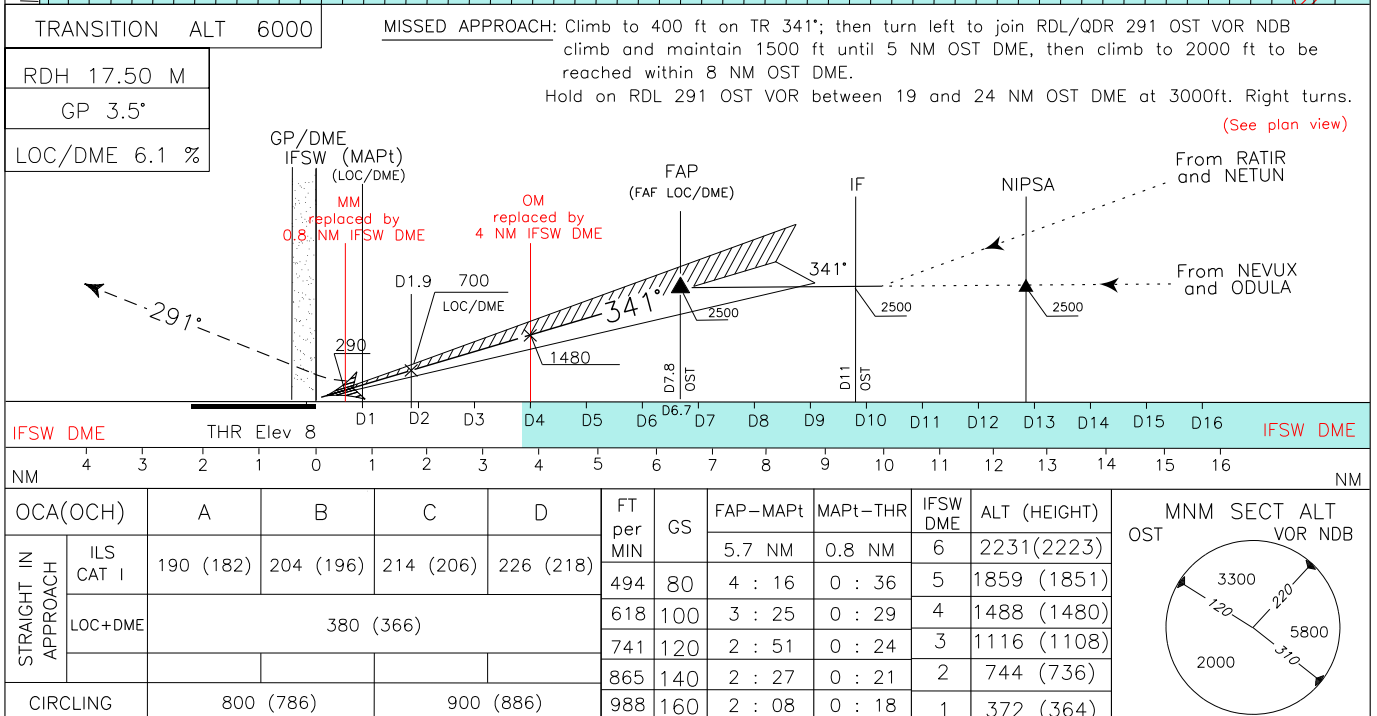
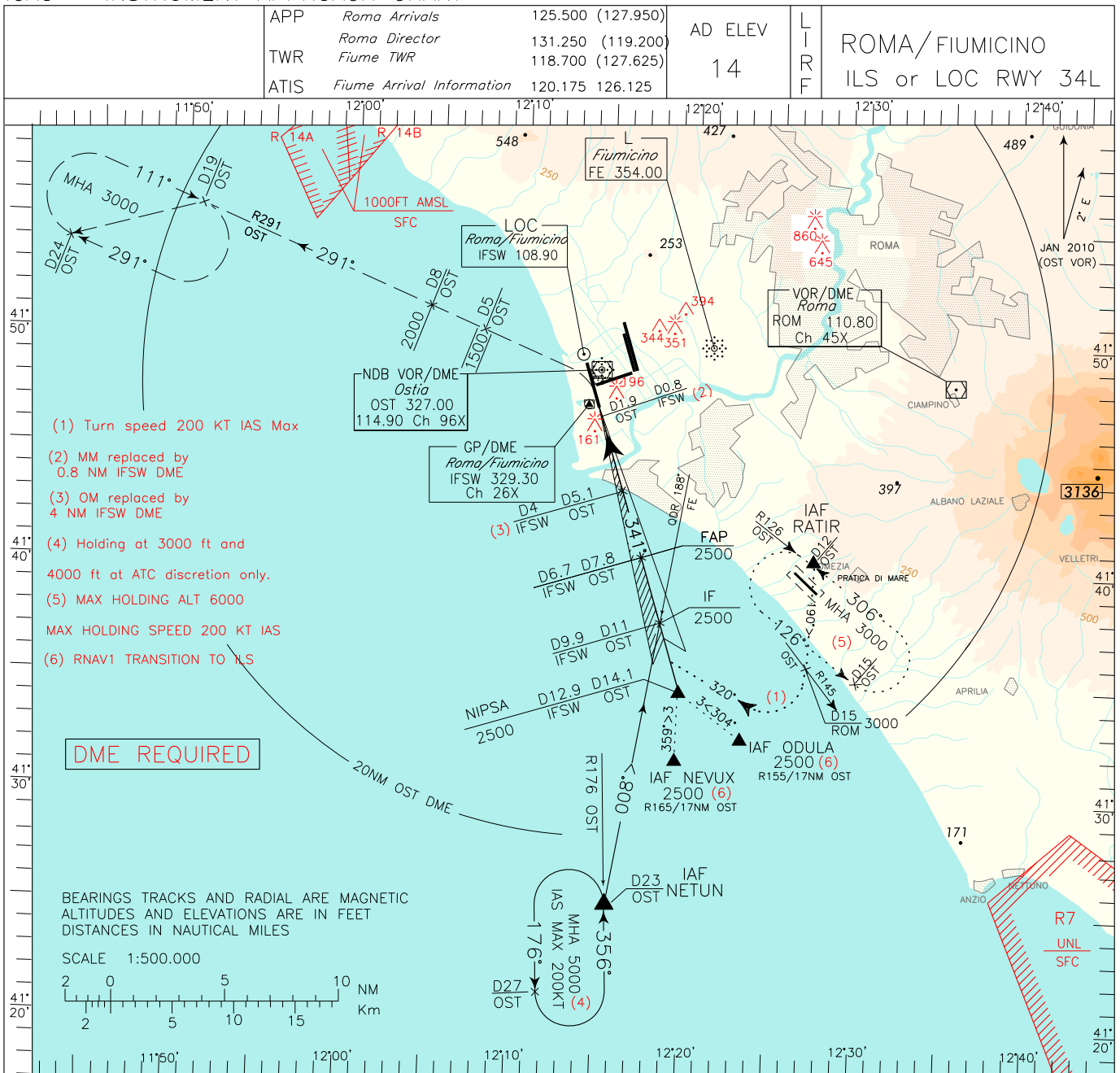
MISSED APPROACH: Turn right to join RDL/QDR 193 OST VOR/NDB climbing to 3000 ft; cross 2000 ft not further than 9 NM OST DME; hold between 19 and 24 NM OST DME.

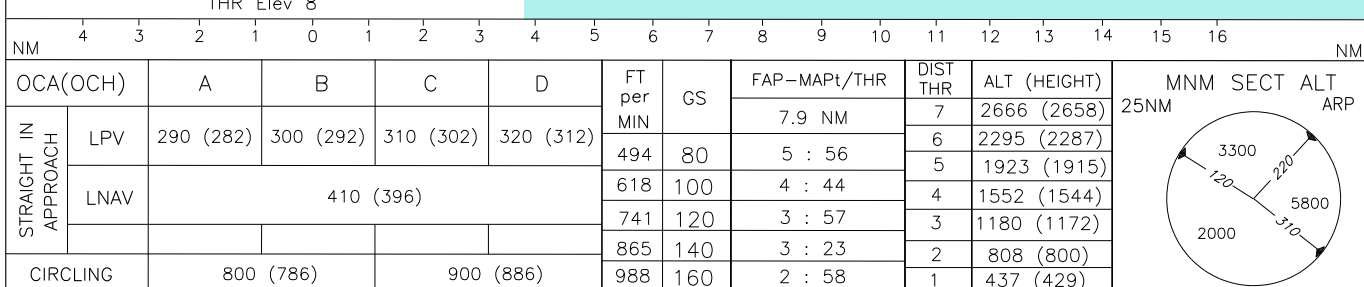
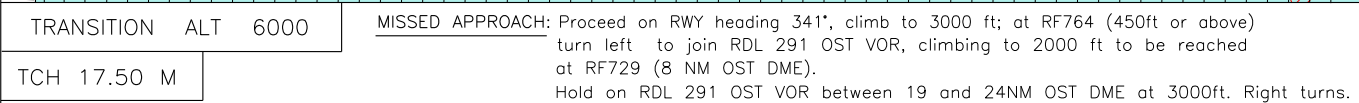


OCA(OCH)					A	B	C	D	FT per MIN	GS	FAF-MAP	DIST	ALT (HGT)	MNM SECT ALT OST VOR NDB 
STRAIGHT IN APPROACH	VOR	400 (386)				445	80	4 : 30			6 DME			
	NDB	400 (386)				555	100	3 : 36	5 DME	1432(1425)				
						670	120	3 : 00	4 DME	1098(1091)				
						780	140	2 : 34	3 DME	764 (757)				
						890	160	2 : 15	2 DME	430 (423)				
CIRCLING		800 (786)		900 (886)										

DOC. 8168 ED.6-2014 — AMDT 7

CHANGE: MSA VALUE AMENDED





Roma Fiumicino RNAV(GNSS) RWY34L – Instrument Approach procedure via ODULA

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	ODULA	-	-	-	+3500	-	-	-		
TF	OKUBU	-	312°(313.6°)	-	+3000	-	-	-		
TF	RF763	-	341°(342.6°)	-	+3000	-	-	-		
TF	THR34L	Y	341°(342.6°)	-		-	-	-		MAPt (LNAV)
TF	RF764	Y	341°(342.6°)	-	+450	-	-	-		
CF	RF729	-	291°(292.6°)	-	+2000	210	OST VOR/DME	291°/8		
TF	RF727	Y	291°(292.6°)	-	+3000	-	OST VOR/DME	291°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF727	111°(112.6°)	5.0	- / 7.0	R	+3000	-	-	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY34L – Instrument Approach procedure via NEVUX

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	NEVUX	-	-	-	+3500	-	-	-		
TF	OKUBU	-	354°(355.6°)	-	+3000	-	-	-		
TF	RF763	-	341°(342.6°)	-	+3000	-	-	-		
TF	THR34L	Y	341°(342.6°)	-		-	-	-		MAPt (LNAV)
TF	RF764	Y	341°(342.6°)	-	+450	-	-	-		
CF	RF729	-	291°(292.6°)	-	+2000	210	OST VOR/DME	291°/8		
TF	RF727	Y	291°(292.6°)	-	+3000	-	OST VOR/DME	291°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF727	111°(112.6°)	5.0	- / 7.0	R	+3000	-	-	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY34L – Instrument Approach procedure via RATIR

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	RATIR	-	-	-	+3000	-	-	-		
TF	RF762	-	188°(190.0°)	-	+3000	-	-	-		
TF	OKUBU	-	275°(276.9°)	-	+3000	200	-	-		
TF	RF763	-	341°(342.6°)	-	+3000	-	-	-		
TF	THR34L	Y	341°(342.6°)	-		-	-	-		MAPt (LNAV)
TF	RF764	Y	341°(342.6°)	-	+450	-	-	-		
CF	RF729	-	291°(292.6°)	-	+2000	210	OST VOR/DME	291°/8		
TF	RF727	Y	291°(292.6°)	-	+3000	-	OST VOR/DME	291°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF727	111°(112.6°)	5.0	- / 7.0	R	+3000	-	-	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY34L – Instrument Approach procedure via NETUN

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	NETUN	-	-	-	+5000	-	-	-		
TF	OKUBU	-	012°(014.2°)	-	+3000	-	-	-		
TF	RF763	-	341°(342.6°)	-	+3000	-	-	-		
TF	THR34L	Y	341°(342.6°)	-		-	-	-		MAPt (LNAV)
TF	RF764	Y	341°(342.6°)	-	+450	-	-	-		
CF	RF729	-	291°(292.6°)	-	+2000	210	OST VOR/DME	291°/8		
TF	RF727	Y	291°(292.6°)	-	+3000	-	OST VOR/DME	291°/19		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF727	111°(112.6°)	5.0	- / 7.0	R	+3000	-	-	2.1	Conventional/ RNAV 1

(1) RNAV system with holding functionality

(2) RNAV system without holding functionality

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
RF762	N41350923	E012253569
RF763	N41392282	E012173432
RF764	N41485884	E012133367
RF729	N41511824	E012042198
RF727	N41553058	E011504564

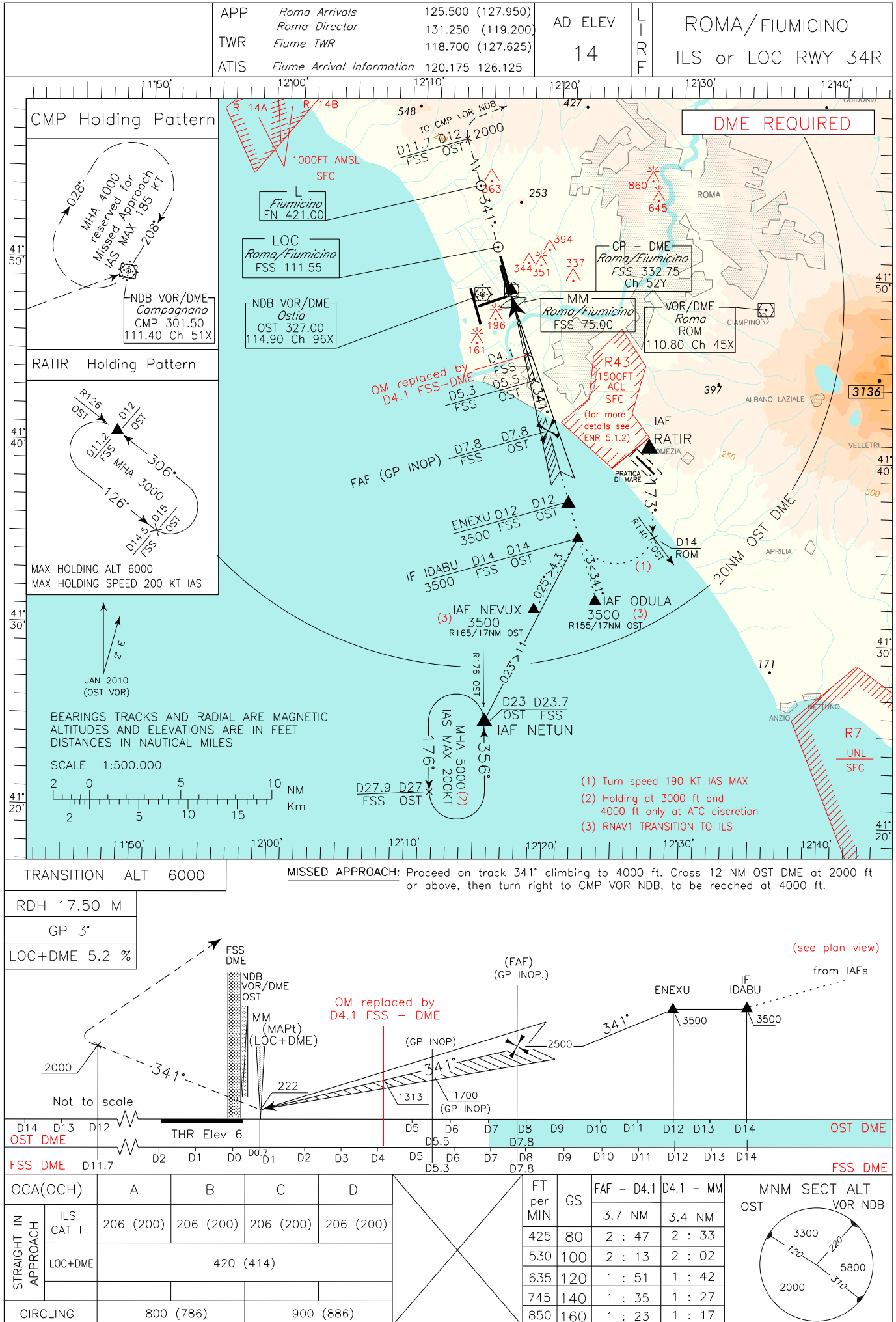
SBAS FAS DATA BLOCK LIRF RNAV (GNSS) RWY34L

INPUT DATA	
PARAMETERS	VALUES
Operation Type MAPt	0
SBAS Provider	1
Airport Identifier	LIRF
Runway	34
Runway Direction	3
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E34B
LTP/FTP Latitude	414655.1755N
LTP/FTP Longitude	0121425.4450E
LTP/FTP Ellipsoidal Height (metres)	50,4
FPAP Latitude	414857.4130N
Delta FPAP Latitude (seconds)	122.2375
FPAP Longitude	0121334.2650E
Delta FPAP Longitude (seconds)	-51.1800
Threshold Crossing Height	17.50
TCH Units Selector	1
Glidepath Angle (degrees)	3.50
Course Width (metres)	105.00
Length Offset (metres)	48
HAL	40.0
VAL	50.0

OUTPUT DATA	
Data Block	10 06 12 09 0C E2 00 00 02 34 33 05 8F 4E EE 11 4A C5 40 05 F8 15 FB BA 03 28 70 FE 5E 81 5E 01 64 06 C8 FA F4 23 34 CC
Calculated CRC Value	F42334CC

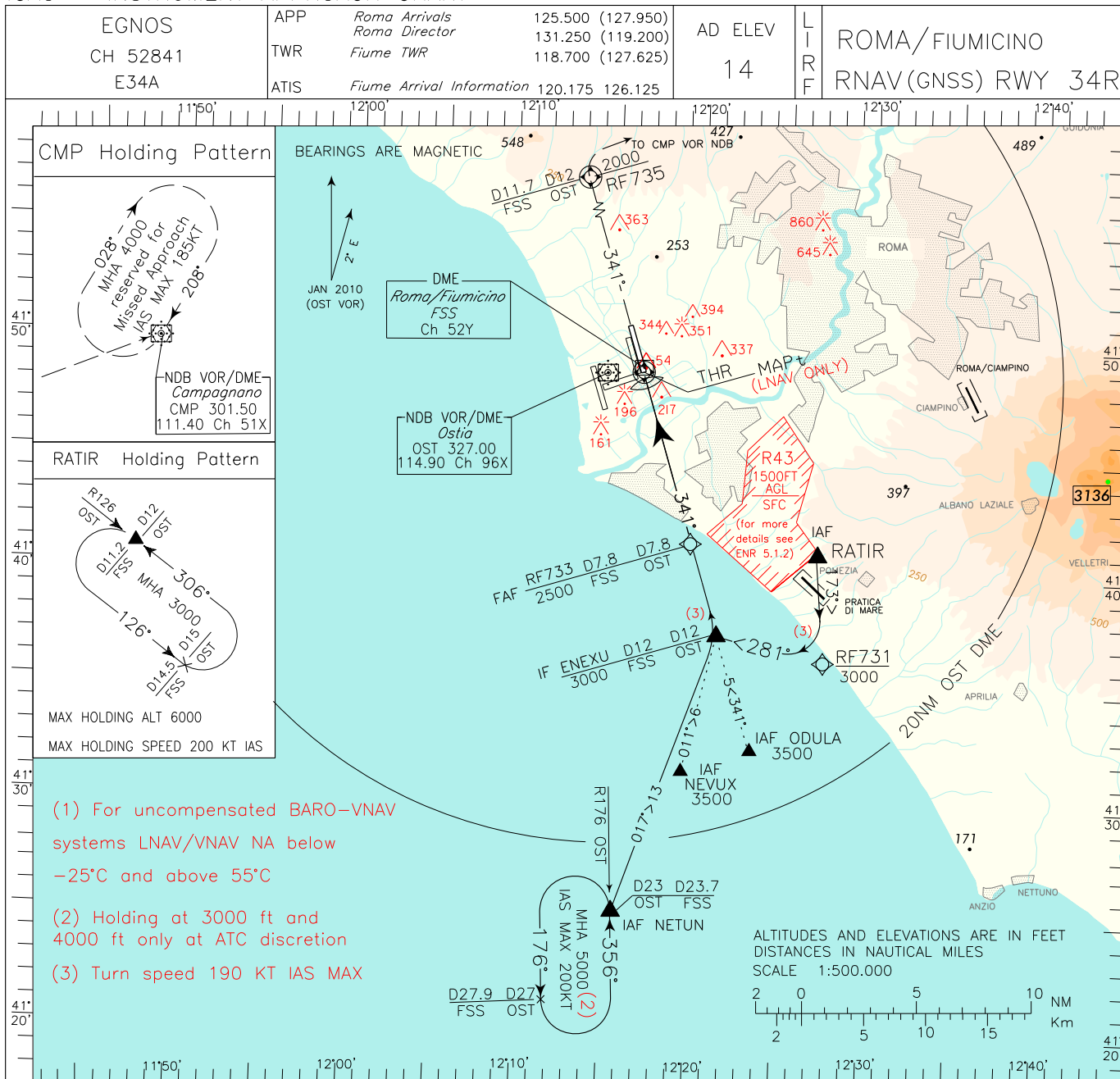
DOC. 8168 ED.6 - 2014 - AMDT 7

CHANGE: MSA VALUE AMENDED



DOC. 8168 ED.6 - 2014

CHANGE: MSA VALUE AMENDED



- (1) For uncompensated BARO-VNAV systems LNAV/VNAV NA below -25°C and above 55°C
- (2) Holding at 3000 ft and 4000 ft only at ATC discretion
- (3) Turn speed 190 KT IAS MAX

TRANSITION ALT 6000

MISSED APPROACH:

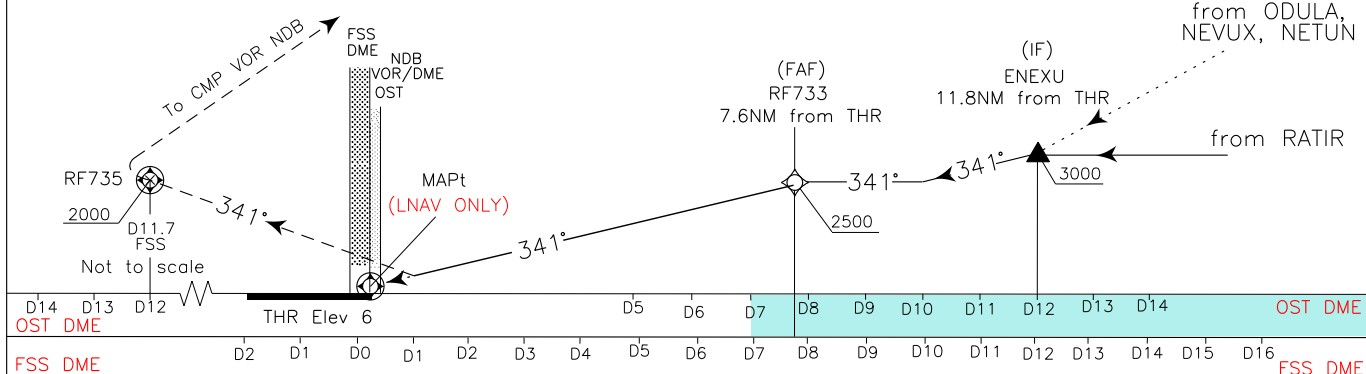
Proceed on TR 341° climbing to 4000 ft. At RF735 (12 NM OST DME/11.7 NM FSS DME) at 2000 ft or above, turn right to CMP VOR NDB, to be reached at 4000 ft.

TCH 17.50 M

(see plan view)

from ODULA, NEVUX, NETUN

from RATIR



OCA(OCH)		A	B	C	D	FT per MIN	GS	FAF - THR	DIST THR	ALT (HGT)	MNM SECT ALT
STRAIGHT IN APPROACH	LPV	256 (250)	256 (250)	256 (250)	260 (254)	425	80	7.6 NM	7	2292 (2286)	25 NM
	LNAV/VNAV	360 (354)	370 (364)	380 (374)	390 (384)	530	100	4 : 34	6	1973 (1967)	ARP
	LNAV	490 (484)				635	120	3 : 48	5	1654 (1648)	
						745	140	3 : 16	4	1336 (1330)	
						850	160	2 : 51	3	1018 (1012)	
CIRCLING		800 (786)		900 (886)						2	699 (693)
										1	381 (375)

Roma Fiumicino RNAV(GNSS) RWY34R – Instrument Approach procedure via NETUN

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude (FT)	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR	Remarks
IF	NETUN	-	-	-	+5000	-	-	-	-	-
TF	ENEXU	-	017°(019.3°)	-	+3000	-	-	-	-	-
TF	RF733	-	341°(342.7°)	-	+2500	-	-	-	-	-
TF	THR34R	Y	341°(342.7°)	-		-	-	-	-	-
TF	RF735	Y	341°(342.7°)	-	+2000	-	-	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.) / Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1	Conventional / RNAV 1

Roma Fiumicino RNAV(GNSS) RWY34R – Instrument Approach procedure via RATIR

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)
IF	RATIR	-	-	-	+3000	-	-	-
TF	RF731	-	173°(175.1°)	-	+3000	190	-	-
TF	ENEXU	-	281°(282.6°)	R	+3000	190	-	-
TF	RF733	-	341°(342.7°)	-	+2500	-	-	-
TF	THR34R	Y	341°(342.7°)	-	-	-	-	-
TF	RF735	Y	341°(342.7°)	-	+2000	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.) / Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1	Conventional / RNAV 1

Roma Fiumicino RNAV(GNSS) RWY34R – Instrument Approach procedure via NEVUX

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)
IF	NEVUX	-	-	-	+3500	-	-	-
TF	ENEXU	-	011°(013.4°)	-	+3000	-	-	-
TF	RF733	-	341°(342.7°)	-	+2500	-	-	-
TF	THR34R	Y	341°(342.7°)	-		-	-	-
TF	RF735	Y	341°(342.7°)	-	+2000	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV(GNSS) RWY34R – Instrument Approach procedure via ODULA

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)
IF	ODULA	-	-	-	+3500	-	-	-
TF	ENEXU	-	341°(342.7°)	-	+3000	-	-	-
TF	RF733	-	341°(342.7°)	-	+2500	-	-	-
TF	THR34R	Y	341°(342.7°)	-		-	-	-
TF	RF735	Y	341°(342.7°)	-	+2000	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1	Conventional/ RNAV 1

- (1) RNAV system with holding functionality
(2) RNAV system without holding functionality

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
RF731	N41362216	E012272826
RF733	N41412629	E012193490
RF735	N42000489	E012114661

SBAS FAS DATA BLOCK LIRF RNAV (GNSS) RWY34R

Input data

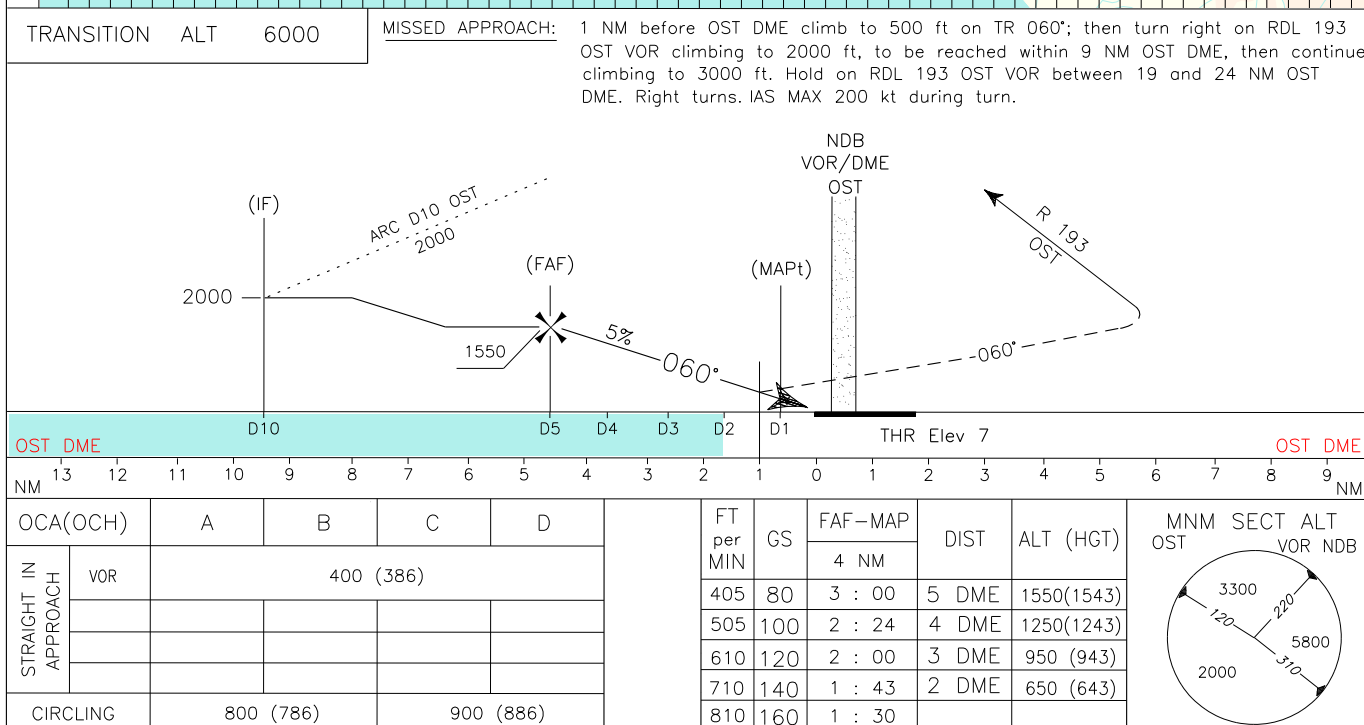
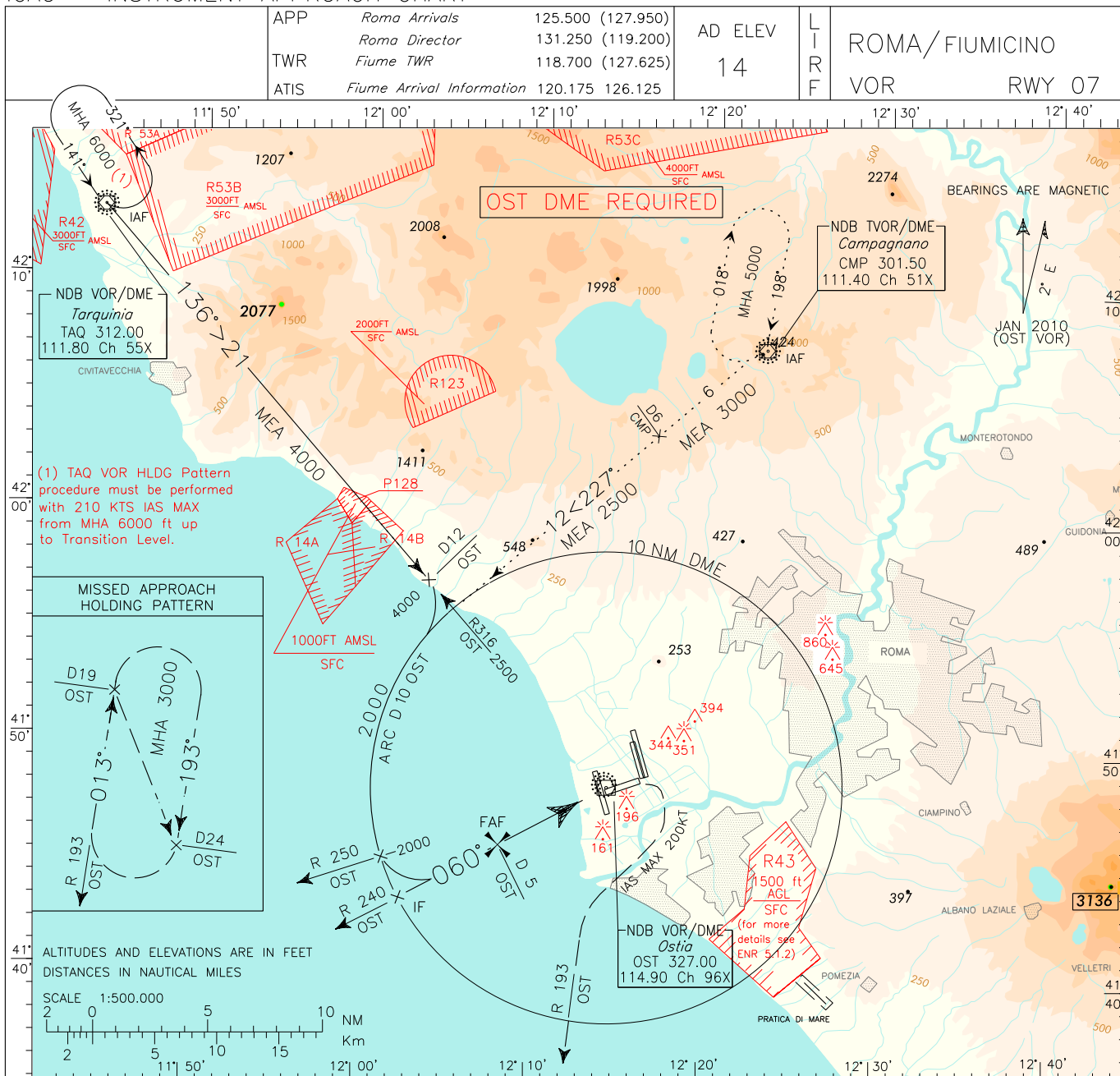
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SBAS Provider	1
Airport Identifier	LIRF
Runway	34
Runway Direction	1
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E34A
LTP/FTP Latitude	414844.7950N
LTP/FTP Longitude	0121631.8910E
LTP/FTP Ellipsoidal Height (metres)	49.8
FPAP Latitude	415048.7245N
Delta FPAP Latitude (seconds)	123.9295
FPAP Longitude	0121540.0265E
Delta FPAP Longitude (seconds)	-51.8645
Threshold Crossing Height	57.4
TCH Units Selector	0
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	104
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 06 12 09 0C 62 00 00 01 34 33 05 F6 A6 F1 11 26 A1 44 05 F2 15 33 C8 03 CF 6A FE 3E 02 2C 01 64 0D C8 FA 83 E1 02 1D
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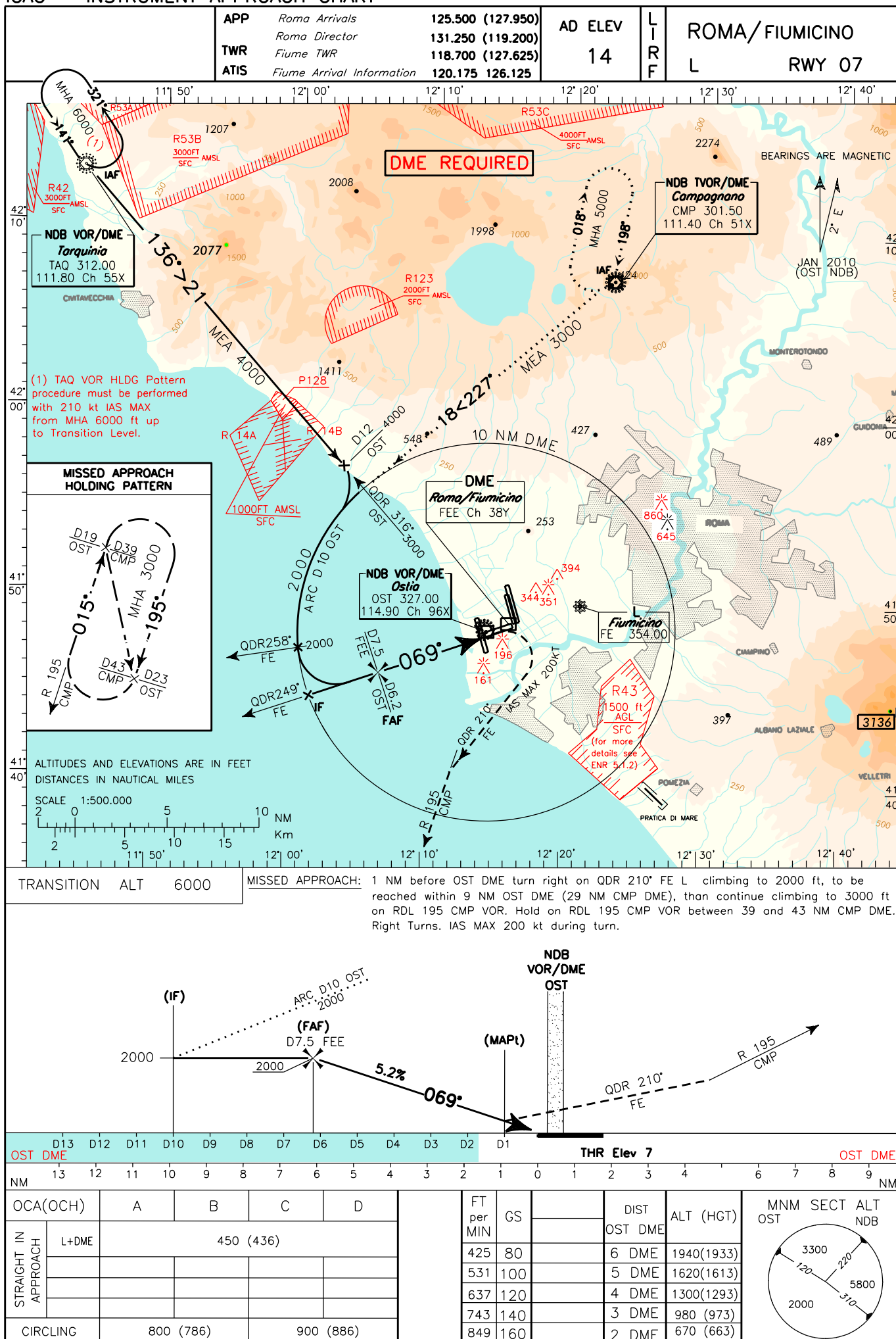
DOC. 8168 ED.6-2014

CHANGE: MSA VALUE AMENDED



DOC. 8168 ED.6-2014

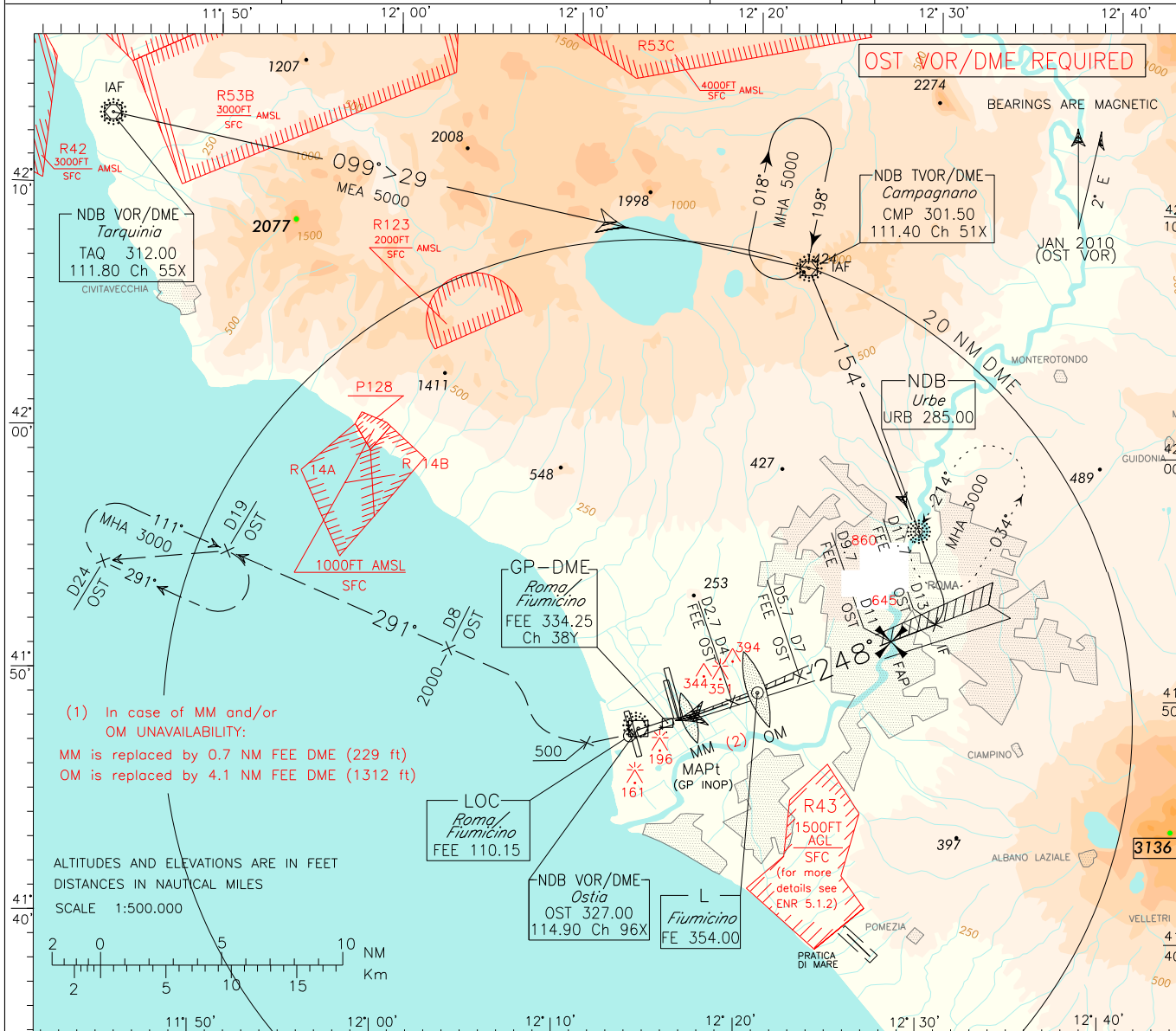
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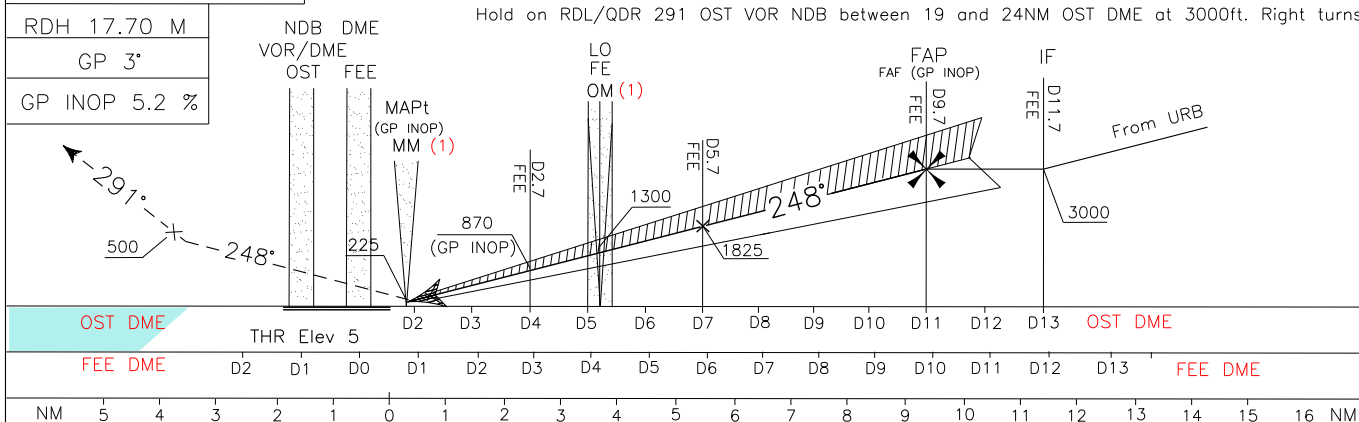
AD ELEV
14

	L
	-
	F
	F

ROMA/FIUMICINO
ILS or LOC RWY 25



TRANSITION	ALT	6000	MISSED APPROACH: Proceed on heading 248° climbing to 2000 ft to be reached within 8 NM OST DME. Passing 500 ft turn right on RDL/QDR 291 OST VOR NDB.
RDL 17.30 M			Hold on RDL/QDR 291 OST VOR NDB between 19 and 24NM OST DME at 3000ft. Right turns.

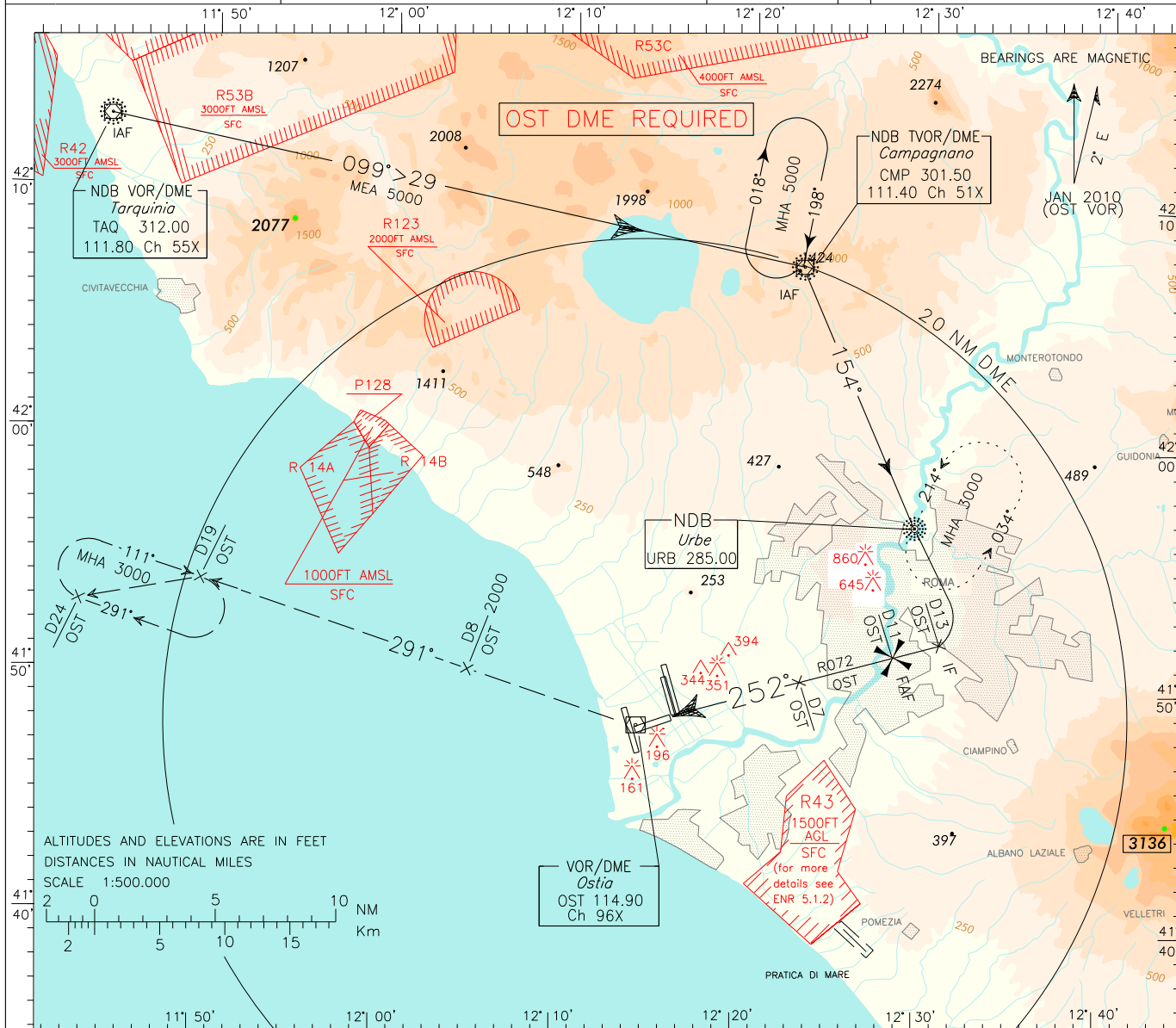


OCA(OCH)		A	B	C	D	FT per MIN	GS	FAF—OM	OM—MM	DME FEE	ALT (HGT)	MNM OST	SECT VOR	ALT NDB
STRAIGHT IN APPROACH	ILS CAT. I	215 (210)	225 (220)	235 (230)	240 (235)			5.7 NM	3.4 NM					
	LOC	400 (395)				420	80	4 : 15	2 : 32	5	1600 (1595)			
						525	100	3 : 24	2 : 02	4	1285 (1280)			
						630	120	2 : 50	1 : 41	3	965 (960)			
						735	140	2 : 26	1 : 27	2	645 (640)			
CIRCLING		800 (786)		900 (886)		845	160	1 : 53	1 : 16	1	330 (325)			

DOC. 8168 ED.6-2014

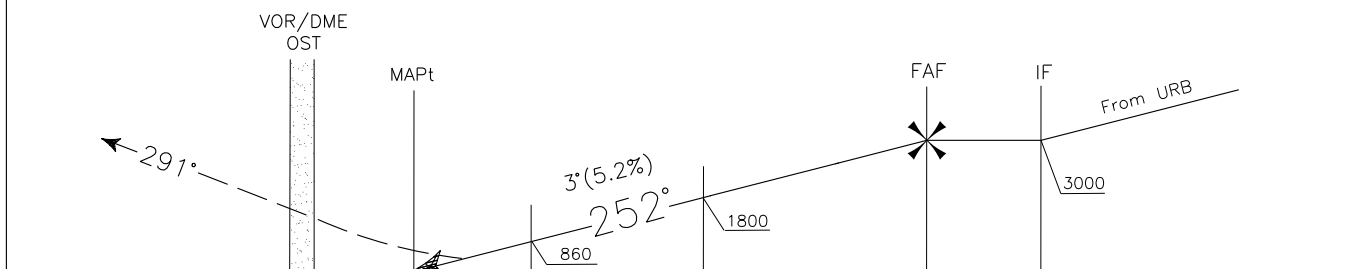
CHANGE: MSA VALUE AMENDED

APP	Roma Arrivals	125.500 (127.950)	AD ELEV	14	LIRF	ROMA/FIUMICINO
TWR	Roma Director	131.250 (119.200)				VOR RWY 25
ATIS	Fiume Arrival Information	120.175 126.125				



TRANSITION ALT 6000

MISSED APPROACH: Turn right to join RDL 291 OST VOR and climb to 2000 ft within 8 NM OST DME. Hold on RDL 291 OST VOR between 19 and 24 NM OST DME at 3000ft. Right turns.



OST DME																					OST DME					
NM					THR	Elev	5	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	NM				
OCA(OCH)		A		B		C		D																		
STRAIGHT IN APPROACH	VOR	550 (545)						FT per MIN	GS	FAF-MAP		DIST	ALT (HGT)													
								420	80	3 : 45		6 DME	1490(1485)													
								525	100	3 : 00		5 DME	1170(1165)													
								630	120	2 : 30		4 DME	860 (855)													
CIRCLING		800 (786)				900 (886)				735	140	2 : 08														
								845	160	1 : 52																

MNM

SECT

ALT

OST

VOR

3300

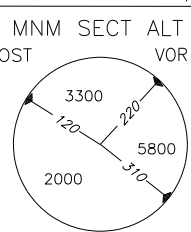
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5800

120

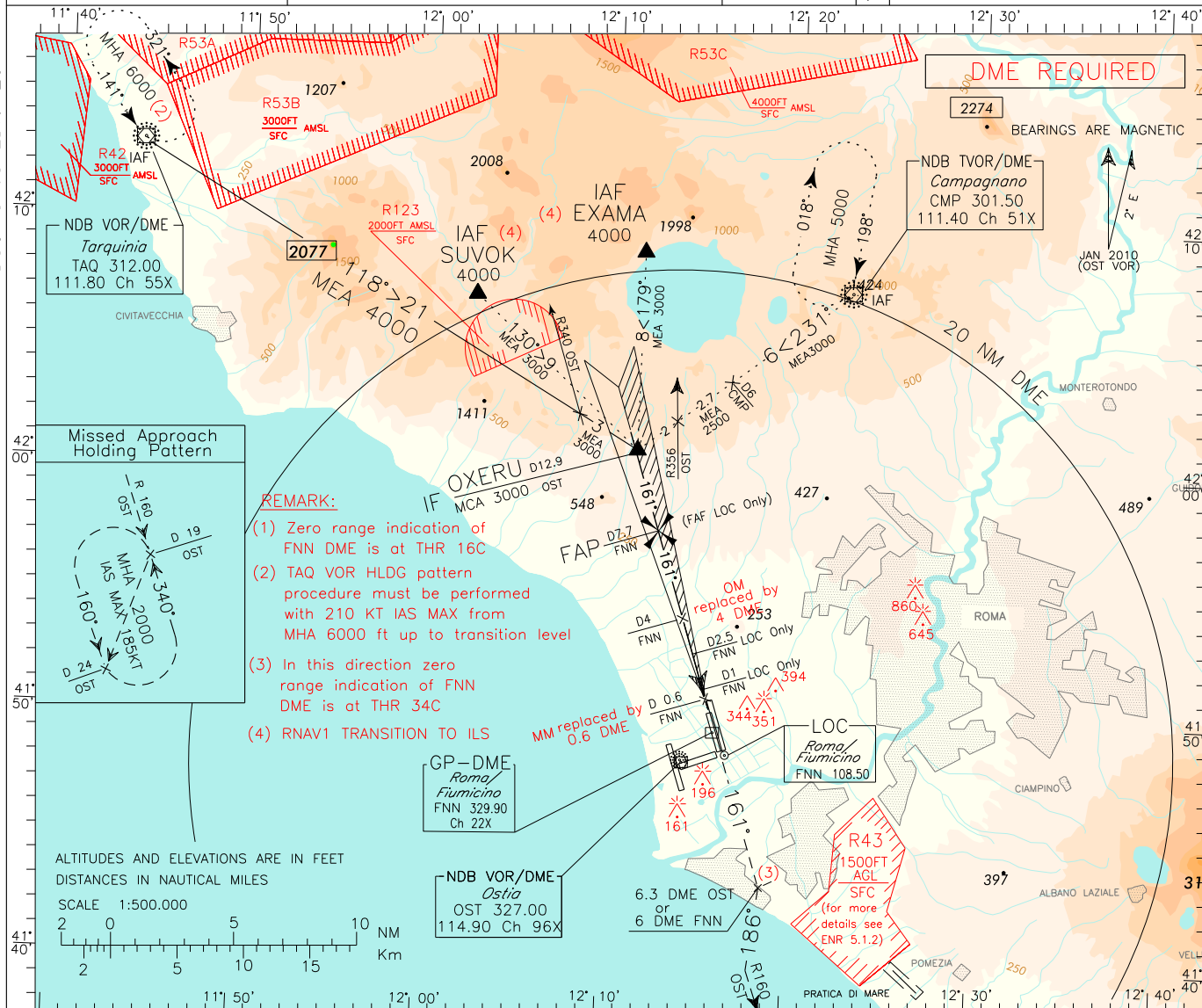
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2000



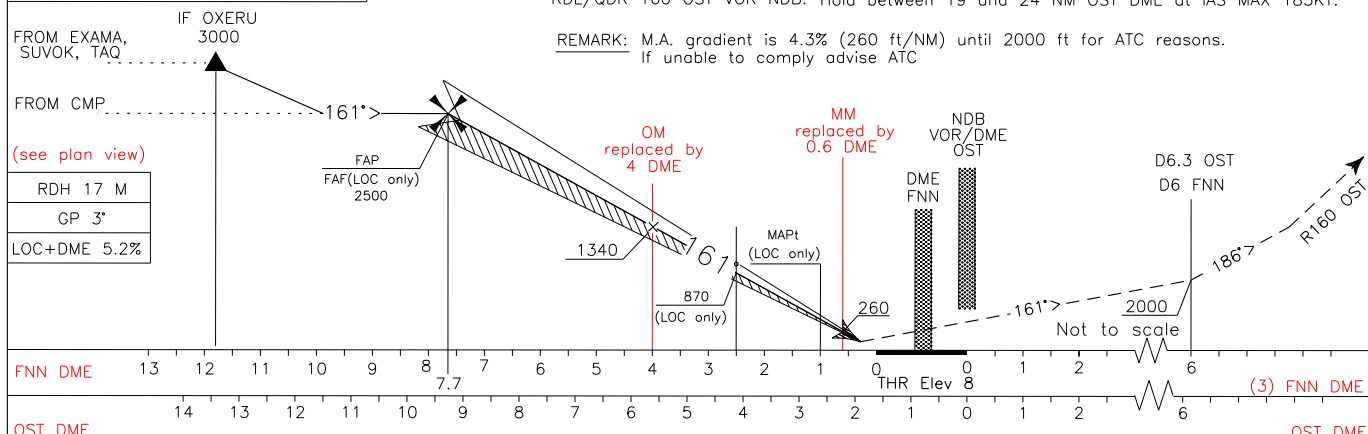
AD ELEV	L
14	R
	F

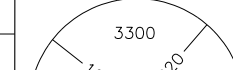
ROMA/ FIUMICINO
ILS or LOC RWY 16C

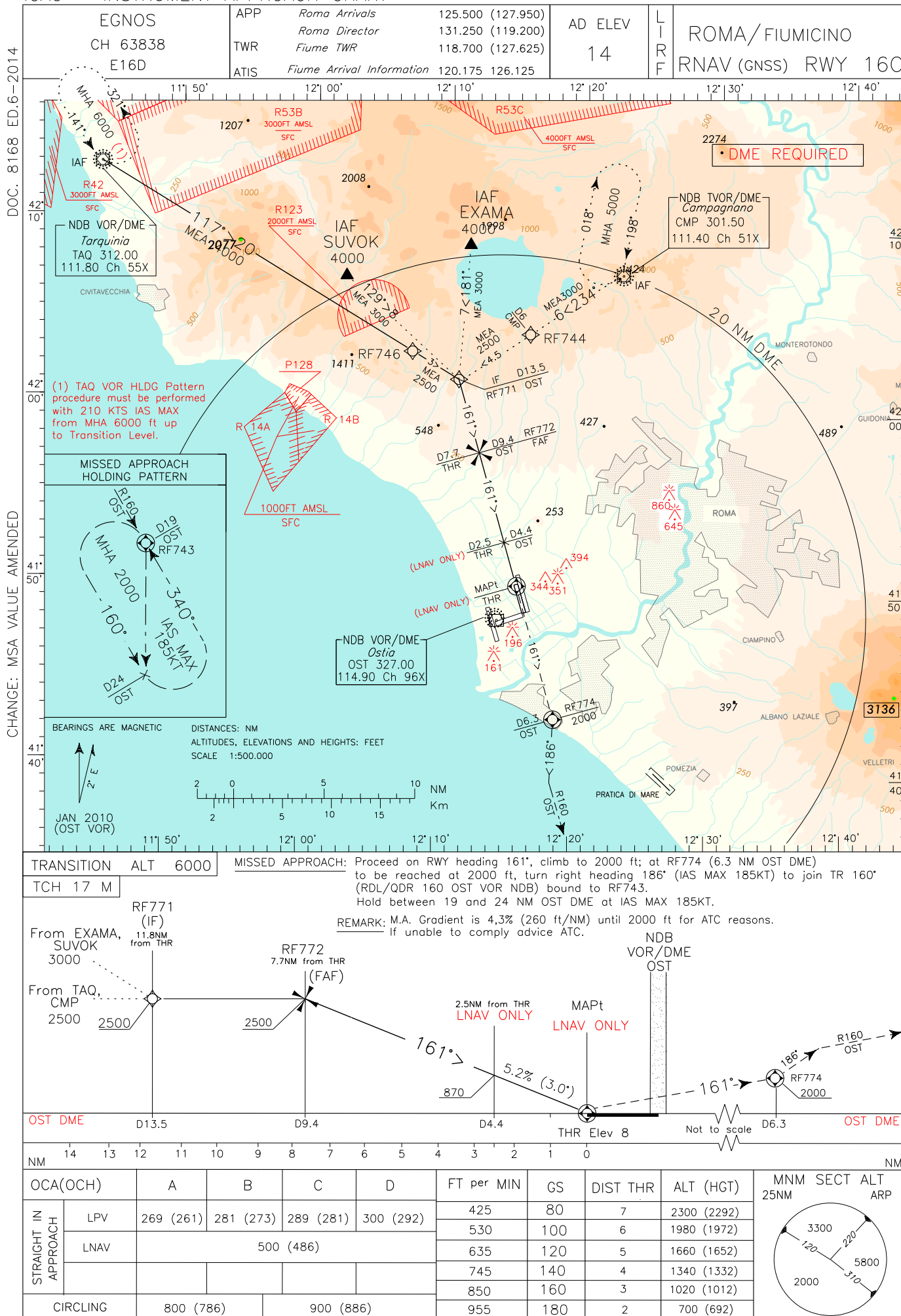


MISSED APPROACH: Proceed on RWY heading 161°, climb to 2000 ft; at 6.3 NM OST DME or 6 NM FNN DME to be reached at 2000 ft, turn right heading 186° (IAS MAX 185KT) to join RDL/QDR 160 OST VOR NDB. Hold between 19 and 24 NM OST DME at IAS MAX 185KT.

REMARK: M.A. gradient is 4.3% (260 ft/NM) until 2000 ft for ATC reasons.
If unable to comply advise ATC



OCA(OCH)		A	B	C	D	DIST	ALT	FT per MIN	GS	FAP-D4 3.6 NM	D4-D0.6 3.4 NM	MNM SECT ALT OST VOR NDB	
STRAIGHT IN APPROACH	ILS Cat I	208(200)	211(203)	219(211)	230(222)	7 DME	2300(2292)	425	80	2:43	2:33		
	LOC	400(386)				6 DME	1980(1972)	530	100	2:10	2:02		
						5 DME	1660(1652)	635	120	1:48	1:42		
							4 DME	1340(1332)	745	140	1:33		1:27
							3 DME	1020(1012)	850	160	1:21		1:17
	CIRCLING	800(786)		900(886)		2 DME	700(692)	955	180	1:12	1:08		



Roma Fiumicino RNAV (GNSS) RWY16C – Instrument Approach procedure via TAQ

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	TAQ	-	-	-	+6000	-	-	-	-	-
TF	RF746	-	117°(119.3°)	-	+4000	-	-	-	-	-
TF	RF771	-	117°(119.3°)	-	+2500	-	-	-	11.8	-
TF	RF772	-	161°(162.7°)	-	+2500	-	-	-	7.7	-
-	-	-	161°(162.5°)	-	+870	-	-	-	2.5	Stepdown fix (LNAV only)
TF	THR16C	Y	161°(162.5°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF774	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV (GNSS) RWY16C – Instrument Approach procedure via SUVOK

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	SUVOK	-	-	-	+4000	-	-	-	-	-
TF	RF771	-	129°(130.9°)	-	+3000	-	-	-	11.8	-
TF	RF772	-	161°(162.7°)	-	+2500	-	-	-	7.7	-
-	-	-	161°(162.5°)	-	+870	-	-	-	2.5	Stepdown fix (LNAV only)
TF	THR16C	Y	161°(162.5°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF774	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV (GNSS) RWY16C – Instrument Approach procedure via EXAMA

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	EXAMA	-	-	-	+4000	-	-	-	-	-
TF	RF771	-	181°(183.3°)	-	+3000	-	-	-	11.8	-
TF	RF772	-	161°(162.7°)	-	+2500	-	-	-	7.7	-
-	-	-	161°(162.5°)	-	+870	-	-	-	2.5	Stepdown fix (LNAV only)
TF	THR16C	Y	161°(162.5°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF774	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

Roma Fiumicino RNAV (GNSS) RWY16C – Instrument Approach procedure via CMP

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	CMP	-	-	-	+5000	-	-	-	-	-
TF	RF744	-	234°(235.6°)	-	+3000	-	-	-	-	-
TF	RF771	-	236°(237.8°)	-	+2500	210	-	-	11.8	-
TF	RF772	-	161°(162.7°)	-	+2500	-	-	-	7.7	-
-	-	-	161°(162.5°)	-	+870	-	-	-	2.5	Stepdown fix (LNAV only)
TF	THR16C	Y	161°(162.5°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF774	Y	161°(162.6°)	-	+2000	-	-	-	-	-
CF	RF743	Y	160°(162.0°)	-	+2000	185	OST VOR/DME	160°/19	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	RF743	340.0° (342.0°)	5.0	- / 7.0	L	2000	-	185	2.1	Conventional/ RNAV 1

(1) RNAV system with holding functionality

(2) RNAV system without holding functionality

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
RF743	N41300918	E012220368
RF744	N42040226	E012161410
RF771	N42013375	E012105740
RF772	N41573318	E012123784
RF774	N41425827	E012184495
RF746	N42030257	E012072735

SBAS FAS DATA BLOCK LIRF RNAV (GNSS) RWY16C

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LIRF
Runway	16
Runway Direction	2
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E16D
LTP/FTP Latitude	415015.3085N
LTP/FTP Longitude	0121542.3680E
LTP/FTP Ellipsoidal Height (metres)	50.6
FPAP Latitude	414822.7595N
Delta FPAP Latitude (seconds)	-112.5490
FPAP Longitude	0121629.6145E
Delta FPAP Longitude (seconds)	47.2465
Threshold Crossing Height	17.00
TCH Units Selector	1
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	640
HAL (metres)	40.0
VAL (metres)	50.0

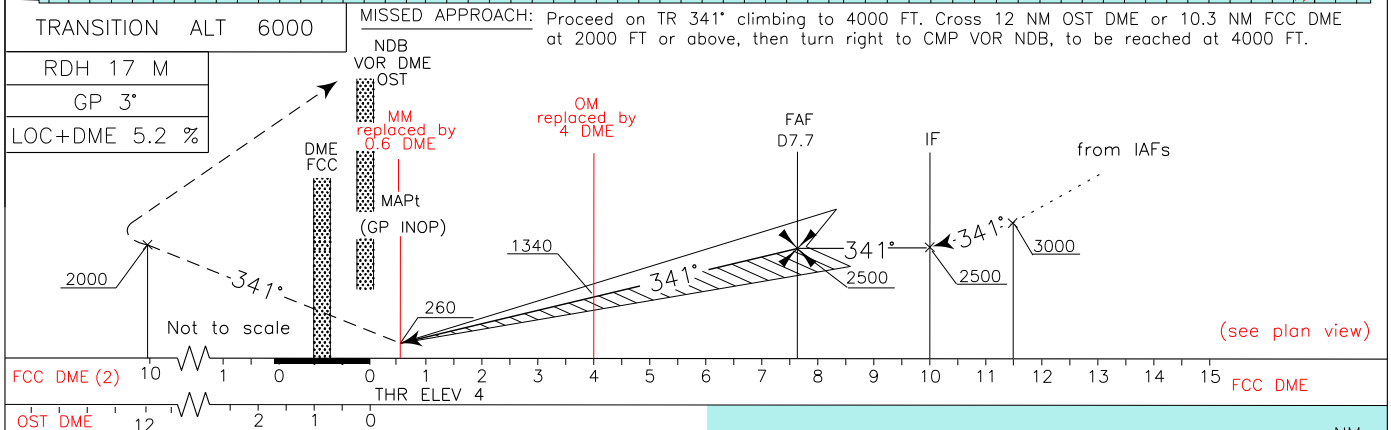
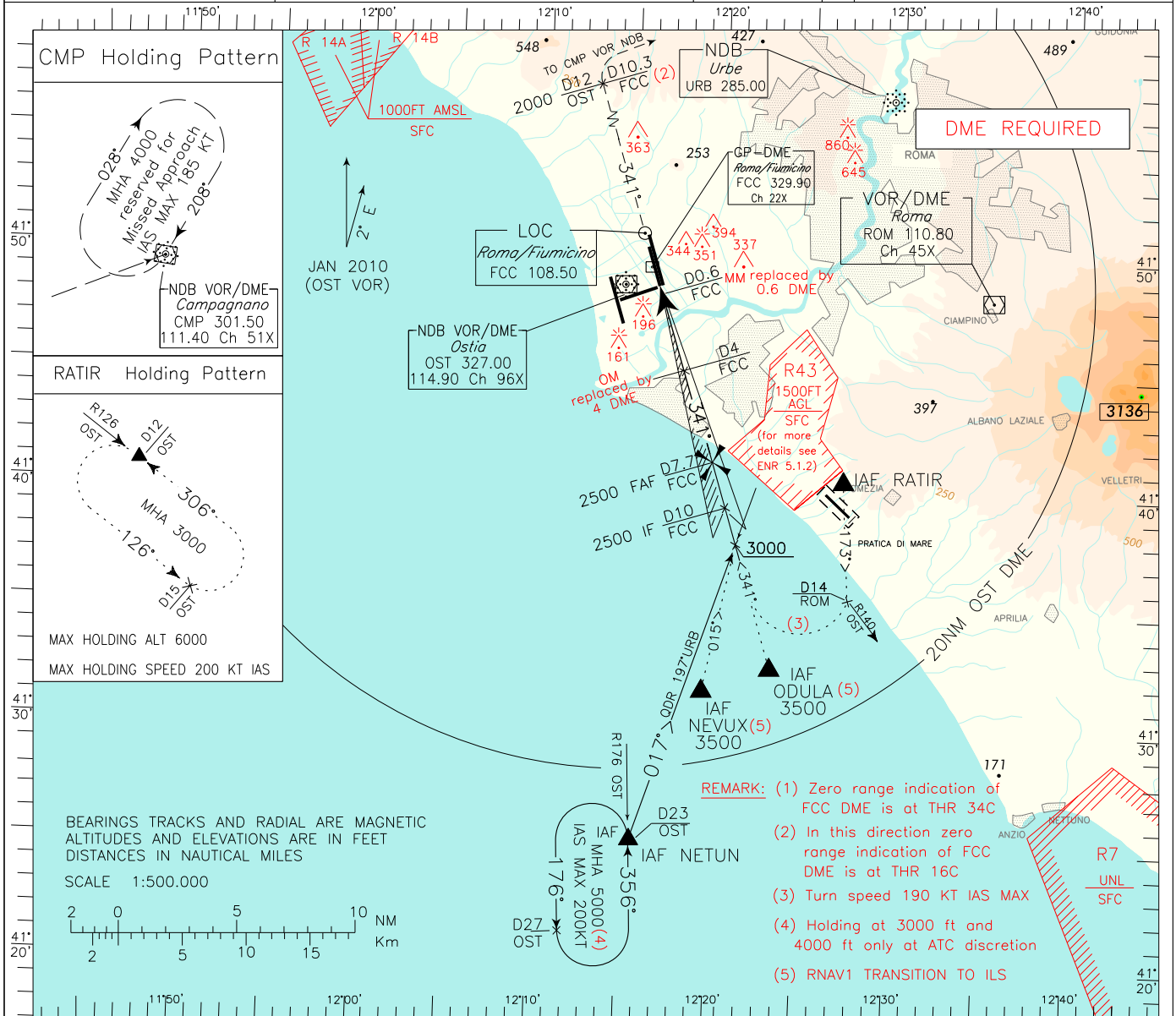
Output data

Data Block	10 06 12 09 0C 90 00 00 04 36 31 05 19 6A F4 11 40 1E 43 05 FA 15 B6 90 FC 1D 71 01 54 81 2C 01 64 50 C8 FA 3B 76 99 D0
Calculated CRC Value	3B7699D0

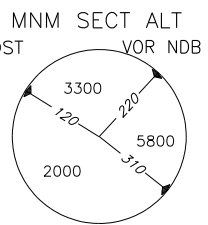
DOC. 8168 ED.6 - 2014 - AMDT 7

CHANGE: MSA VALUE AMENDED

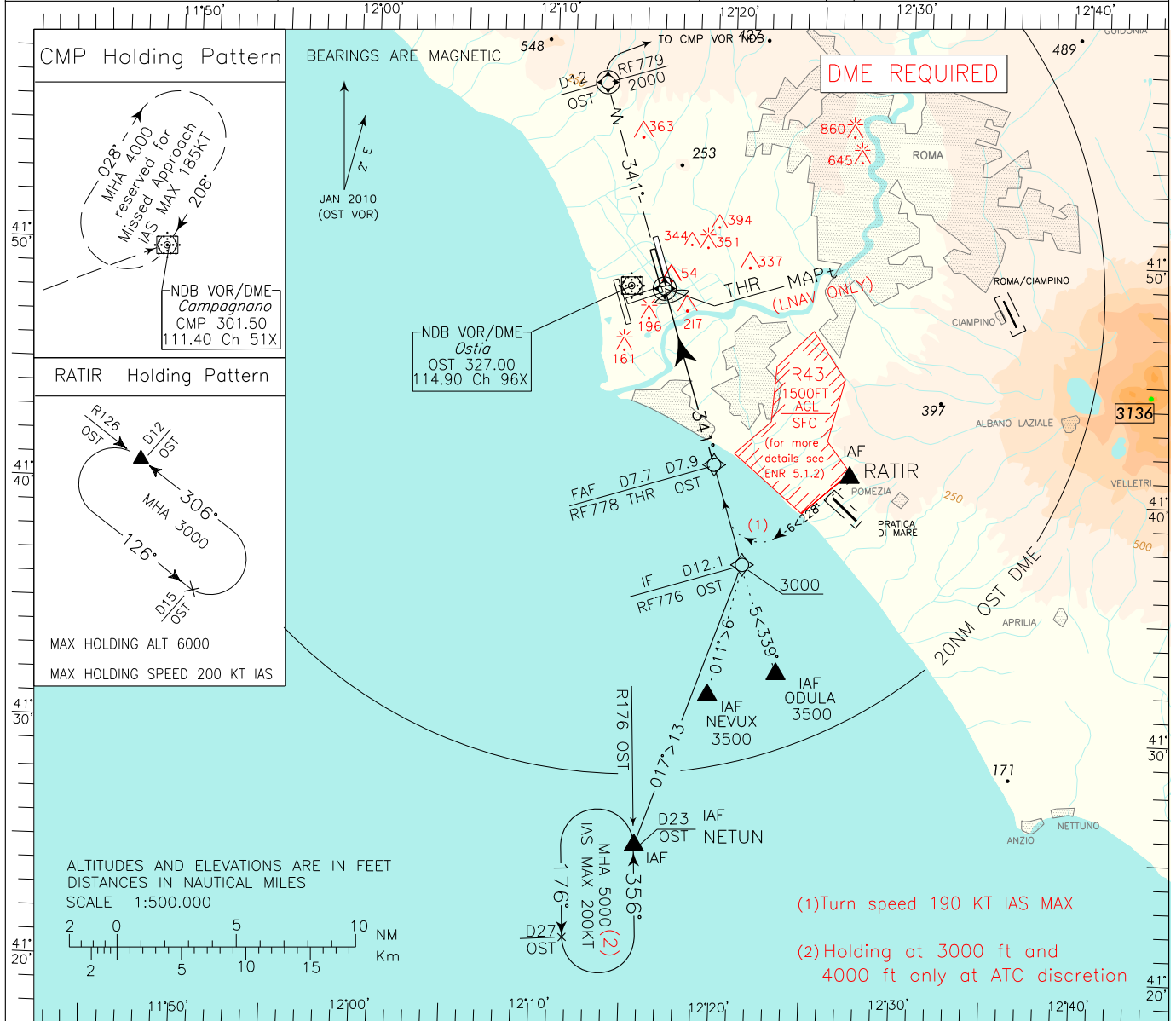
APP	Roma Arrivals	125.500 (127.950)	AD ELEV	LIRF	ROMA/FIUMICINO
	Roma Director	131.250 (119.200)	14		ILS or LOC RWY 34C
TWR	Fiume TWR	118.700 (127.625)			
ATIS	Fiume Arrival Information	120.175 126.125			



OCA(OCH)	A	B	C	D	DIST	ALT	FT per MIN	GS	FAF-D4 3.6 NM	D4-D0.6 3.4 NM	MNM SECT ALT
STRAIGHT IN APPROACH	ILS Cat I	204(200)	204(200)	206(202)	217(213)	7 DME	2290(2286)	425	80	2:43	2:33
	LOC	420 (416)				6 DME	1970(1966)	530	100	2:10	2:02
						5 DME	1650(1646)	635	120	1:48	1:42
						4 DME	1330(1326)	745	140	1:33	1:27
						3 DME	1020(1016)	850	160	1:21	1:17
CIRCLING		800(786)	900(886)			2 DME	700(696)	955	180	1:12	1:08

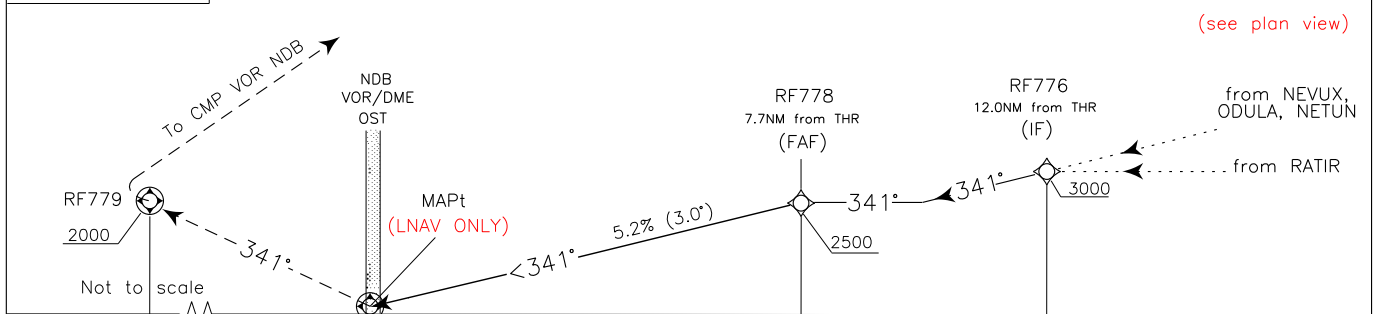


EGNOS CH 67661 E34D	APP	Roma Arrivals Roma Director	125.500 (127.950) 131.250 (119.200)	AD ELEV 14	LIRF ROMA/FIUMICINO RNAV(GNSS) RWY 34C
	TWR	Fiume TWR	118.700 (127.625)		
	ATIS	Fiume Arrival Information	120.175 126.125		



TRANSITION	ALT	6000	MISSED APPROACH:	Proceed on TR 341° climbing to 4000 ft. At RF779 (12 NM OST DME) at 2000 ft or above, turn right to CMP VOR NDB, to be reached at 4000 ft.
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TCH	17 M
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OST DME	D12	THR Elev 4	D7.9 D12.1												OST DME		
NM	D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	NM

OCA(OCH)		A	B	C	D	FT per MIN	GS	DIST THR	ALT (HGT)	MNM SECT ALT 25 NM ARP
STRAIGHT IN APPROACH	LPV	304 (300)	316 (312)	324 (320)	335 (331)	420	80	7	2290 (2286)	
	LNAV	480 (476)				530	100	6	1970 (1966)	
						635	120	5	1650 (1646)	
						745	140	4	1330 (1326)	
						850	160	3	1020 (1016)	
CIRCLING	800 (786)	900 (886)			955	180	2	700 (696)		

Roma Fiumicino RNAV (GNSS) RWY34C – Instrument Approach procedure via NETUN

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	NETUN	-	-	-	+5000	-	-	-	-	-
TF	RF776	-	017°(019.3°)	-	+3000	-	-	-	12.0	-
TF	RF778	-	341°(342.7°)	-	+2500	-	-	-	7.7	-
TF	THR34C	Y	341°(342.7°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF779	Y	341°(342.6°)	-	+2000	-	-	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1

Roma Fiumicino RNAV (GNSS) RWY34C – Instrument Approach procedure via NEVUX

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	NEVUX	-	-	-	+3500	-	-	-	-	-
TF	RF776	-	011°(013.1°)	-	+3000	-	-	-	12.0	-
TF	RF778	-	341°(342.7°)	-	+2500	-	-	-	7.7	-
TF	THR34C	Y	341°(342.7°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF779	Y	341°(342.6°)	-	+2000	-	-	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1

Roma Fiumicino RNAV (GNSS) RWY34C – Instrument Approach procedure via ODULA

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	ODULA	-	-	-	+3500	-	-	-	-	-
TF	RF776	-	339°(341.0°)	-	+3000	-	-	-	12.0	-
TF	RF778	-	341°(342.7°)	-	+2500	-	-	-	7.7	-
TF	THR34C	Y	341°(342.7°)	-	-	-	-	-	-	MAPt (LNAV only)
TF	RF779	Y	341°(342.6°)	-	+2000	-	-	-	-	-
DF	CMP	Y	-	R	+4000	185	-	-	-	-

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1

Roma Fiumicino RNAV (GNSS) RWY34C – Instrument Approach procedure via RATIR

Path Terminator	Fix Identifier (Waypoint Name)	Fly Over	Course/Track °M (°T)	Turn Direction	Altitude	Speed Limit (kt)/ Bank Angle	Recommended Navaid	Bearing/ Range from Navaid (NM)	Distance from THR (NM)	Remarks
IF	RATIR	-	-	-	+3000	-	-	-		
TF	RF776	-	228°(229.9°)	R	+3000	190	-	-	12.0	
TF	RF778	-	341°(342.7°)	-	+2500	-	-	-	7.7	
TF	THR34C	Y	341°(342.7°)	-	-	-	-	-		MAPt (LNAV only)
TF	RF779	Y	341°(342.6°)	-	+2000	-	-	-		
DF	CMP	Y	-	R	+4000	185	-	-		

Path Terminator	Waypoint Name	Inbound Course °M (°T)	Leg Distance (NM) (1)	Timing(min.)/ Waypoint Distance (NM) (2)	Turn Direction	Minimum Altitude (FT)	Maximum Altitude (FL)	Speed Limit (kt)	Magnetic Variation (°)	Navigation Performance
HM	CMP	208.0° (210.1°)	-	- / 4.3	R	4000	-	185	2.1	Conventional/ RNAV 1

(1) RNAV system with holding functionality

(2) RNAV system without holding functionality

Waypoints Table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
RF776	N41371405	E012210821
RF778	N41412346	E012192448
RF779	N42000562	E012113452

SBAS FAS DATA BLOCK LIRF RNAV (GNSS) RWY34C

Input data

Operation Type	0
SBAS Provider	1
Airport Identifier	LIRF
Runway	34
Runway Direction	2
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E34D
LTP/FTP Latitude	414842.4570N
LTP/FTP Longitude	0121621.2230E
LTP/FTP Ellipsoidal Height (metres)	49.2
FPAP Latitude	415043.9040N
Delta FPAP Latitude (seconds)	121.4470
FPAP Longitude	0121530.3950E
Delta FPAP Longitude (seconds)	-50.8280
Threshold Crossing Height	17.00
TCH Units Selector	1
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	928
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 06 12 09 0C A2 00 00 04 34 33 05 B2 94 F1 11 CE 4D 44 05 EC 15 CE B4 03 E8 72 FE 54 81 2C 01 64 74 C8 FA D6 01 98 58
Calculated CRC Value	D6019858

Intenzionalmente bianca

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