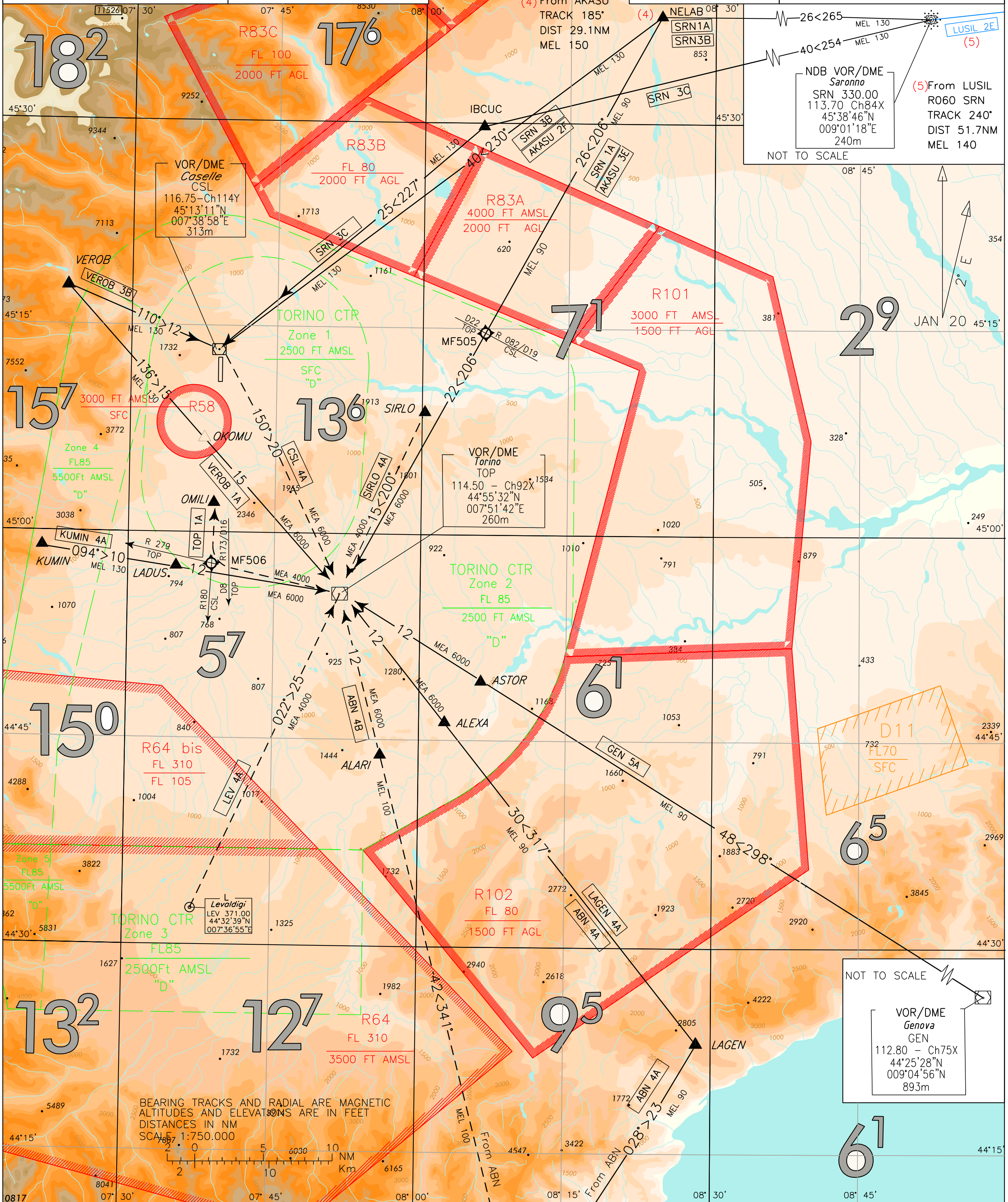
FREQUENCIES		
APP	Torino APP/Radar	129.275 (121.100)
TWR	Torino TWR	118.500
ATIS	Torino Terminal Information	CH 120.480

LEGEND	
STAR	→
STAR ATC DISCRETION	- - - →
Link route	→
Not to scale	—/\/\— →

LINK ROUTES & STAR

TORINO/CASELLE

TRANSITION ALT 6000



R83D FL 125 2000 FT AGL
R83C FL 100 2000 FT AGL
R83B FL 80 2000 FT AGL
R83A 4000 FT AMSL 2000 FT AGL
R101 3000 FT AMSL 1500 FT AGL
R58 3000 FT AMSL SFC
R64 bis FL 310 FL 105
R64 FL 310 3500 FT AMSL
R102 FL 80 1500 FT AGL
D11 FL70 SFC
(4) From AKASU TRACK 185° DIST 29.1NM MEL 150
(4) NELAB
SRN1A SRN3B
26<265
40<254
LUSIL 2E (5)
NDB VOR/DME Saronno SRN 330.00 113.70 Ch84X 45°38'46"N 009°01'18"E 240m
(5)From LUSIL R060 SRN TRACK 240° DIST 51.7NM MEL 140
NOT TO SCALE
IBCUC
VOR/DME Caselle CSL 116.75-Ch114Y 45°13'11"N 007°38'58"E 313m
VEROB
VEROB 3B
KUMIN
KUMIN 4A
LADUS
OMILI
OKOMU
MF505
MF506
SIRLO
ASTOR
ALEXA
ALARI
LAGEN
TORINO CTR Zone 1 2500 FT AMSL SFC "D"
TORINO CTR Zone 2 FL 85 2500 FT AMSL "D"
TORINO CTR Zone 3 FL85 2500Ft AMSL "D"
Zone 4 FL85 5500Ft AMSL "D"
Zone 5 FL85 5500Ft AMSL "D"
VOR/DME Torino TOP 114.50 - Ch92X 44°55'32"N 007°51'42"E 260m
Levaldigi LEV 371.00 44°32'39"N 007°36'55"E
VOR/DME Genova GEN 112.80 - Ch75X 44°25'28"N 009°04'56"N 893m
JAN 20 2°E
BEARING TRACKS AND RADIAL ARE MAGNETIC
ALTITUDES AND ELEVATIONS ARE IN FEET
DISTANCES IN NM
SCALE 1:750.000

TOP Holding Pattern	CSL Holding Pattern	OMILI Holding Pattern
099° MHA 6000 (6) 279°	218° MHL 130 IAS MAX 230 KT 038°	(7) MHA 4000 ATC DISCRETION ONLY; D12 CSL; 360°; IAS MAX 210KT; MHA 5000 (7); 180°; D17 CSL; R 180 CSL
(6) MHA 4000 ATC DISCRETION ONLY		

REMARKS

(1) STAR SIRLO 4A:
Reserved for missed approach only

(2) STAR CSL 4A:
May be authorized in opposite direction with MEL 130

(3) STAR ABN 4B:
May be authorized depending on traffic existing within LI R 64 and LI R 64 bis

MNM SECT ALT

CSL VOR
15700; 068; 229; 13600; 011; 3800

CHANGE: BOX FREQ UPDATED

LINK ROUTES Torino Caselle

REMARK
The below coding tables, limited to Conventional Navigation, are provided on trial basis and for data coding purposes only.

LUSIL 2E
LUSIL – SRN VOR/DME

MEL: FL140

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	LUSIL	-	-	-		-	-	(1)	Conventional
TF	SRN	Y	240 (242.4)	-	51.7	-	FL 140	(1)	Conventional

(1) See ENR 2.1.1.1

STAR Torino Caselle

REMARK
The below coding tables, limited to Conventional Navigation, are provided on trial basis and for data coding purposes only.

CSL 4A (ATC discretion)
CSL VOR/DME – TOP VOR/DME.

MEA: 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	CSL	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	TOP	-	150 (152.9)	-	19.8	R	6000	(1)	Conventional/ RNAV1

AKASU 3E

AKASU proceed on TR 185° to NELAB (INT RDL 026/48 NM TOP VOR/DME), then proceed on TR 206° (RDL 026 TOP VOR) via MF505 (INT RDL 082/19 NM CSL VOR/DME) direct to TOP VOR/DME.
MEL/MEA: AKASU – NELAB: FL 150; NELAB – MF505: FL90; MF505 – TOP VOR/DME : 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	AKASU	-	-	-		-	-	(1)	RNAV1
TF	NELAB	-	185 (187.2)	-	29.1	-	FL 150	(1)	Conventional/ RNAV1
TF	MF505	-	206 (208.7)	-	26.1	-	FL 90	(1)	Conventional/ RNAV1
TF	TOP	-	206 (208.7)	-	22.0	-	6000	(1)	Conventional/ RNAV1

AKASU 2F

AKASU proceed on TR 185° to NELAB (INT RDL 050/40 NM CSL VOR/DME), then proceed on TR 230° (RDL 050 CSL VOR) direct to CSL VOR/DME.

MEL/MEA: AKASU – NELAB: FL 150; NELAB – CSL VOR/DME NDB: FL130

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	AKASU	-	-	-	-	-	-	(1)	RNAV1
TF	NELAB	-	185 (187.2)	-	29.1	-	FL 150	(1)	Conventional/ RNAV1
TF	CSL	-	230 (232.6)	-	40.3	-	FL 130	(1)	Conventional/ RNAV1

SIRLO 4A (ATC discretion)

SIRLO – TOP VOR/DME.

MEA: 4000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	SIRLO	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	TOP	-	200 (202.0)	-	14.8	-	4000	(1)	Conventional/ RNAV1

SRN 1A

SRN VOR/DME NDB – NELAB – MF505 – TOP VOR/DME .

MEL/MEA: SRN VOR/DME NDB – NELAB: FL 130; NELAB – MF505: FL 90; MF505 – TOP VOR/DME : 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	SRN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	NELAB	-	265 (267.6)	-	25.9	-	FL 130	(1)	Conventional/ RNAV1
TF	MF505	-	206 (208.7)	-	26.1	-	FL 90	(1)	Conventional/ RNAV1
TF	TOP	-	206 (208.7)	-	22.0	-	6000	(1)	Conventional/ RNAV1

SRN 3B

SRN VOR/DME NDB – NELAB – CSL VOR/DME.

MEL: FL 130

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	SRN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	NELAB	-	265 (267.6)	-	25.9	-	FL 130	(1)	Conventional/ RNAV1
TF	CSL	-	230 (232.6)	-	40.3	-	FL 130	(1)	Conventional/ RNAV1

SRN 3C
SRN VOR/DME NDB – IBCUC – CSL VOR/DME.

MEL: FL 130

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	SRN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	IBCUC	-	254 (256.8)	-	39.9	-	FL 130	(1)	Conventional/ RNAV1
TF	CSL	-	227 (229.2)	-	25.2	-	FL 130	(1)	Conventional/ RNAV1

GEN 5A
GEN VOR/DME – ASTOR – TOP VOR/DME.

MEL/MEA: GEN VOR/DME – ASTOR: FL 90; ASTOR – TOP VOR/DME: 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	GEN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	ASTOR	-	298 (300.0)	-	48.7	-	FL 90	(1)	Conventional/ RNAV1
TF	TOP	-	298 (300.0)	-	11.5	-	6000	(1)	Conventional/ RNAV1

LAGEN 4A
LAGEN – ALEXA – TOP VOR/DME.

MEL/MEA: LAGEN – ALEXA: FL 90; ALEXA – TOP VOR/DME: 6000FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	LAGEN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	ALEXA	-	317 (319.4)	-	29.9	-	FL 90	(1)	Conventional/ RNAV1
TF	TOP	-	317 (319.4)	-	12.1	-	6000	(1)	Conventional/ RNAV1

TOP 1A (ATC discretion)
TOP VOR/DME – MF506 – OMILI.

MEA: 4000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	TOP	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	MF506	-	279 (282.0)	-	10.1	R	4000	(1)	Conventional/ RNAV1
TF	OMILI	-	003 (005.3)	-	4.0	R	4000	(1)	Conventional/ RNAV1

ABN 4A
ABN NDB– LAGEN – ALEXA – TOP VOR/DME.
MEL/MEA: ABN NDB – ALEXA: FL 90; ALEXA – TOP VOR/DME : 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	ABN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	LAGEN	-	028 (030.3)	-	23.5	-	FL 90	(1)	Conventional/ RNAV1
TF	ALEXA	-	317 (319.4)	-	29.9	-	FL 90	(1)	Conventional/ RNAV1
TF	TOP	-	317 (319.4)	-	12.1	-	6000	(1)	Conventional/ RNAV1

ABN 4B (ATC discretion)
ABN NDB – ALARI – TOP VOR/DME.
MEL/MEA: ABN NDB – ALARI: FL 100; ALARI – TOP VOR/DME: 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	ABN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	ALARI	-	341 (343.4)	-	42.3	-	FL 100	(1)	Conventional/ RNAV1
TF	TOP	-	341 (343.4)	-	12.0	-	6000	(1)	Conventional/ RNAV1

KUMIN 4A
KUMIN – LADUS – TOP VOR/DME.
MEL/MEA: KUMIN – LADUS: FL 130; LADUS – TOP VOR/DME: 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	KUMIN	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	LADUS	-	094 (096.3)	-	10.0	-	FL 130	(1)	Conventional/ RNAV1
TF	TOP	-	094 (096.3)	-	12.0	-	6000	(1)	Conventional/ RNAV1

VEROB 1A
VEROB – OKOMU – TOP VOR/DME NDB.
MEL/MEA: VEROB – OKOMU: FL 130; OKOMU – TOP VOR/DME : 6000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	VEROB	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	OKOMU	-	135 (137.7)	-	14.9	-	FL 130	(1)	Conventional/ RNAV1
TF	TOP	-	135 (137.7)	-	15.0	-	6000	(1)	Conventional/ RNAV1

LEV 4A (ATC discretion)
LEV L – TOP VOR/DME.

MEA: 4000 FT

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	LEV	-	-	-		-	4000	(1)	Conventional/ RNAV1
TF	TOP	-	022 (024.7)	-	25.2	-	4000	(1)	Conventional/ RNAV1

VEROB 3B
VEROB – CSL VOR/DME.

MEL: FL 130

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	VEROB	-	-	-		-	-	(1)	Conventional/ RNAV1
TF	CSL	-	110 (112.4)	-	11.9	-	FL 130	(1)	Conventional/ RNAV1

(1) See ENR 2.1.1.1-4

HOLDING Conventional

Path Terminator	Waypoint Identifier	Fly Over	Inbound Course °M (°T)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
HM	TOP	-	279 (281.0)	R	6000 ft *	-	TOP VOR/DME	-	Conventional
HM	CSL	-	218 (220.0)	L	FL 130	230	CSL VOR/DME	-	Conventional
HM	OMILI	-	360 (002.0)	R	5000 ft *	210	CSL VOR/DME	-	Conventional

* MHA 4000 FT ATC Discretion only

Waypoint LIST

Waypoint Identifier	Coordinates
MF505	45°14'50.87" N 008°06'33.52" E
MF506	44°57'36.25" N 007°37'49.45" E

Intenzionalmente bianca

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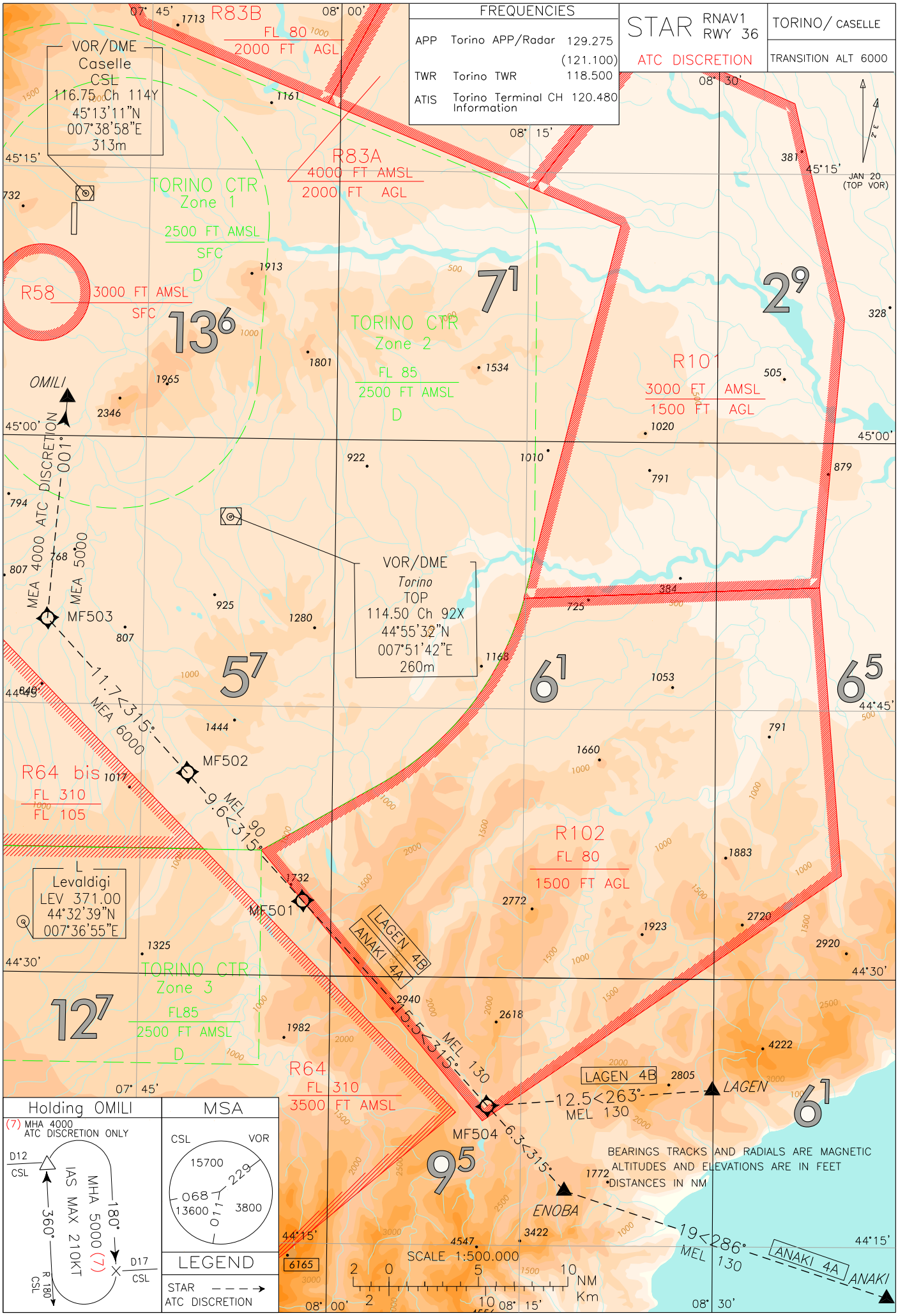

CHANGE: BOX FREQ UPDATED

Torino/Caselle - STAR RNAV1 RWY 36 ATC DISCRETION

ANAKI 4A (ATC DISCRETION)

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	ANAKI	-	-	-		-	+FL 130	250	RNAV1
TF	ENOBA	-	286 (288.0)	-	19.0	-	+FL 130	250	RNAV1
TF	MF501	-	315 (317.4)	-	21.8	-	+FL 130	250	RNAV1
TF	MF502	-	315 (317.4)	-	9.6	-	+FL 90	230	RNAV1
TF	MF503	-	315 (317.4)	-	11.7	-	+6000	210	RNAV1
TF	OMILI	-	001 (003.3)	-	12.0	-	+5000 (4000 ATC Discretion)	210	RNAV1

LAGEN 4B (ATC DISCRETION)

Path Terminator	Waypoint Identifier	Fly Over	Course °M (°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Performance
IF	LAGEN	-	-	-		-	+FL 130	250	RNAV1
TF	MF504	-	263 (265.2)	-	12.5	-	+FL 130	250	RNAV1
TF	MF501	-	315 (317.4)	-	15.5	-	+FL 130	250	RNAV1
TF	MF502	-	315 (317.4)	-	9.6	-	+FL 90	230	RNAV1
TF	MF503	-	315 (317.4)	-	11.7	-	+6000	210	RNAV1
TF	OMILI	-	001 (003.3)	-	12.0	-	+5000 (4000 ATC Discretion)	210	RNAV1

HOLDING Conventional

Path Terminator	Waypoint Identifier	Fly Over	Inbound Course °M (°T)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Recommended Navaid	Bearing/ Range to Navaid	Navigation Performance
HM	OMILI	Y	360 (002.0)	R	5000 (4000 ATC Discretion)	210	CSL VOR/DME	RDL180/ D12	Conventional

WAYPOINT LIST

Waypoint Identifier	Coordinates
MF501	44°34'05.79" N 007°57'41.32" E
MF502	44°41'08.97" N 007°48'32.20" E
MF503	44°49'41.33" N 007°37'23.01" E
MF504	44°22'36.97" N 008°12'28.33" E

Intenzionalmente bianca

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