

## TRANSITION SEGMENTS TO ENROUTE RWY 17L/R DESCRIPTION

## AOSTA 7M

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	IBCUC	-	-	-	-	-	FL120	-	RNAV1
TF	MC512	-	230 (232.7)	-	5.0	-	FL135	-	RNAV1
TF	MC504	Y	230 (232.7)	-	12.0	-	FL150	-	RNAV1
CF	MC506	-	337 (339.8)	2.7°	-	R	FL180	-	RNAV1
TF	AOSTA	-	337 (339.8)	-	20.9	-	FL180/190*	-	RNAV1

\* FL180/190 depending on Geneva QNH.

## AOSTA 7Y

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	IBCUC	-	-	-	-	-	FL120	-	RNAV1
TF	MC523	-	297 (300.0)	-	6.0	-	FL145	-	RNAV1
TF	MC524	-	297 (299.9)	-	12.0	-	FL180	-	RNAV1
TF	AOSTA	-	297 (299.7)	-	18.6	-	FL180/190*	-	RNAV1

\* FL180/190 depending on Geneva QNH.

**AOSTA 5K**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	MMP	-	-	-	-	-	-	-	RNAV1
TF	NELAB	-	264 (267.0)	-	13.8	-	FL110	-	RNAV1
TF	MC517	-	280 (283.1)	-	6.0	-	FL135	-	RNAV1
TF	MC518	-	280 (283.0)	-	14.0	-	FL160	-	RNAV1
TF	AOSTA	-	280 (282.8)	-	25.7	-	FL 180/ 190**	-	RNAV1

\* FL 180/190 depending on Geneve QNH

**AOSTA 5J**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NELAB	-	-	-	-	-	FL110	-	RNAV1
TF	MC517	-	280 (283.1)	-	6.0	-	FL135	-	RNAV1
TF	MC518	-	280 (283.0)	-	14.0	-	FL160	-	RNAV1
TF	AOSTA	-	280 (282.8)	-	25.7	-	FL 180/ 190*	-	RNAV1

\* FL 180/190 depending on Geneve QNH

**AOSTA 6T**

From IBCUC proceed on TR 226° (RDL 046 CSL VOR), at 9NM CSL DME turn right until joining RDL 337 CSL VOR to AOSTA (RDL 337/37 NM CSL VOR/DME).

MCL: IBCUC, FL120; RDL046/20NM CSL VOR/DME, FL135; RDL046/9NM CSL VOR/DME FL150; RDL 337/16NM CSL VOR/DME, FL 180; AOSTA \*

\* MCL FL180/190 depending on Geneve QNH

**AOSTA 8Z (ATC discretion)**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV1
TF	MC521	-	276 (278.4)	-	8.6	-	6000	-	RNAV1
TF	MC522	-	276 (278.3)	-	13.2	-	FL100	-	RNAV1
TF	IBCUC	-	275 (278.1)	-	7.8	-	FL120	-	RNAV1
TF	MC523	-	297 (300.0)	-	6.0	-	FL145	-	RNAV1
TF	MC524	-	297 (299.9)	-	12.0	-	FL180	-	RNAV1
TF	AOSTA	-	297 (299.7)	-	18.6	-	FL180/190*	-	RNAV1

\* FL180/190 depending on Geneve QNH

**KEMMI 7Z**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV 1
TF	MC509	-	176 (178.9)	-	21.9	-	FL90	-	RNAV 1
TF	KEMMI	-	176 (178.8)	-	17.1	-	FL110	-	RNAV 1

**LAGEN 9X**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	MMP	-	-	-	-	-	-	-	RNAV 1
TF	FARAK	-	244 (246.8)	-	13.1	-	-	-	RNAV 1
TF	TONDA	-	196 (199.2)	-	28.3	-	-	-	RNAV 1
TF	LAGEN	-	162 (164.9)	-	44.4	-	FL110	-	RNAV 1

**LAGEN 5U**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	FARAK	-	-	-	-	-	-	-	RNAV 1
TF	TONDA	-	196 (199.2)	-	28.3	-	-	-	RNAV 1
TF	LAGEN	-	162 (164.9)	-	44.4	-	FL110	-	RNAV 1

**LAGEN 7Z (ATC discretion)**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV1
TF	MC529	-	189 (191.6)	-	6.3	-	5000FT	-	RNAV1
TF	MC531	-	189 (191.6)	-	14.9	-	FL90	-	RNAV1
TF	LAGEN	-	189 (191.6)	-	41.8	-	FL110	-	RNAV1

**NEDED 9X**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	MMP	-	-	-	-	-	-	-	RNAV 1
TF	FARAK	-	244 (246.8)	-	13.1	-	-	-	RNAV 1
TF	TONDA	-	196 (199.2)	-	28.3	-	-	-	RNAV 1
TF	NEDED	-	186 (188.7)	-	25.2	-	FL200	-	RNAV 1

**NEDED 9U**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	FARAK	-	-	-	-	-	-	-	RNAV 1
TF	TONDA	-	196 (199.2)	-	28.3	-	-	-	RNAV 1
TF	NEDED	-	186 (188.7)	-	25.2	-	FL200	-	RNAV 1

**NEDED 7Z (ATC discretion)**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV1
TF	MC527	-	210 (212.6)	-	3.0	-	5000FT	-	RNAV1
TF	MC528	-	210 (212.6)	-	11.0	-	FL90	-	RNAV1
TF	NEDED	-	210 (212.5)	-	37.9	-	FL200	-	RNAV1

**OSKOR 6S**

SRN VOR proceed on TR 087° (RDL 087 SRN VOR) to OLPUR, then continue on TR 087° (RDL 087 SRN VOR) direct to OSKOR (RDL 087/46 NM SRN VOR/DME).

MCL: OLPUR, FL95; OSKOR, FL125/110\*

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (IAS)	Navigation Specification
IF	SRN	-	-	-	-	-	-	-	RNAV 1
TF	OLPUR	-	087 (089.5)	-	25.1	-	FL95	-	RNAV 1
TF	OSKOR	-	087 (089.7)	-	20.9	-	FL125/FL110*	-	RNAV 1

\* FL125 (or FL110 if proceeding via L615)

**PEPAG 2Q**

SRN VOR proceed on TR 087° (RDL 087 SRN VOR) to OLPUR (RDL 087/25 NM SRN VOR), then turn left until join and follow RDL 303 BRL VOR (TR 303°) and proceed via OSVIC (RDL 303/15 NM BRL VOR/DME) direct to PEPAG (RDL 303/32 NM BRL VOR/DME).

MCL: OLPUR, FL125; OSVIC, FL140; PEPAG, FL140/150 \*

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	SRN	-	-	-	-	-	-	-	RNAV 1
TF	OLPUR	Y	087 (089.5)	-	25.1	-	FL125	-	RNAV 1
CF	OSVIC	-	303 (306.3)	2.7°	-	L	FL140	-	RNAV 1
TF	PEPAG	-	303 (306.3)	-	16.5	-	FL140/150*	-	RNAV 1

\* FL140/150 depending on Zurich QNH

**ROBAS 6Q**

SRN VOR proceed on TR129° (RDL 129 SRN VOR) to ROBAS (RDL 129/40 NM SRN VOR/DME).

MCL: ROBAS, FL110

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (IAS)	Navigation Specification
IF	SRN	-	-	-	-	-	-	-	RNAV 1
TF	ROBAS	-	129 (132.1)	-	40.3	-	FL110	-	RNAV 1

**ROBAS 5Z**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (IAS)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV 1
TF	MC532	-	106 (109.0)	-	3.0	-	5000	-	RNAV 1
TF	ROBAS	-	106 (109.0)	-	38.8	-	FL110	-	RNAV 1

**TOP 9X**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	MMP	-	-	-	-	-	-	-	RNAV 1
TF	FARAK	-	244 (246.8)	-	13.1	-	-	-	RNAV 1
TF	TONDA	-	196 (199.2)	-	28.3	-	-	-	RNAV 1
TF	TOP	-	232 (235.0)	-	19.2	-	MNM ENR FL *	-	RNAV 1

\* according to the next ATS route segment

**TOP 5U**

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	FARAK	-	-	-	-	-	-	-	RNAV1
TF	TONDA	-	196 (199.2)	-	28.3	-	-	-	RNAV1
TF	TOP	-	232 (235.0)	-	19.2	-	MNM ENR FL *	-	RNAV1

\*according to the next ATS route segment

**TOP 7Z (ATC discretion)**

Path Terminator	Waypoint Name	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV1
TF	MC526	-	229 (231.9)	-	3.0	-	5000FT	-	RNAV1
TF	TONDA	-	229 (231.9)	-	27.4	-	FL110	-	RNAV1
TF	TOP	-	232 (235.0)	-	19.2	-	MNM ENR FL *	-	RNAV1

\*according to the next ATS route segment

**VAKON 1Q**

SRN VOR proceed on TR 101° (RDL 101 SRN VOR or RDL 282 TZO VOR) to TZO VOR, then continue on TR 100° (RDL 100° TZO VOR or RDL 101 SRN VOR) direct to VAKON (RDL 100/21 NM TZO VOR/DME or RDL 101/42 SRN VOR/DME).

MCL: VAKON, FL110

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	SRN	-	-	-	-	-	-	-	RNAV 1
TF	TZO	-	101 (104.1)	-	21.1	-	-	-	RNAV 1
TF	VAKON	-	100 (103.0)	-	21.4	-	FL110	-	RNAV 1

**VOG 7Z (ATC discretion)**

NOBKE proceed on TR 162° (RDL 342 VOG VOR) direct to VOG VOR.

MCL: VOG VOR, FL90

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
IF	NOBKE	-	-	-	-	-	-	-	RNAV 1
TF	VOG	-	162 (164.8)	-	28.6	-	FL90	-	RNAV 1

**WAYPOINT LIST**

Waypoint Identifier	Coordinates
MC504	45°19'20.19" N 007°46'50.95" E
MC506	45°28'10.75" N 007°31'04.23" E
MC509	45°03'34.67" N 008°48'12.69" E
MC511	45°00'14.63" N 009°50'55.83" E
MC512	45°26'37.34" N 008°00'22.54" E
MC517	45°39'03.44" N 008°16'04.02" E
MC518	45°42'10.68" N 007°56'38.38" E
MC521	45°26'41.67" N 008°35'33.53" E
MC522	45°28'33.88" N 008°17'02.91" E
MC523	45°32'39.02" N 007°58'38.15" E
MC524	45°38'36.98" N 007°43'48.21" E
MC526	45°23'35.74" N 008°44'16.82" E
MC527	45°22'55.26" N 008°45'20.17" E
MC528	45°13'38.16" N 008°36'56.78" E
MC529	45°19'17.31" N 008°45'49.91" E
MC531	45°04'40.08" N 008°41'35.42" E
MC532	45°24'28.37" N 008°51'39.54" E