

NOISE ABATEMENT PROCEDURES

- 1) Departure track include Noise Abatement routing.
- 2) Apply noise abatement technique.
- 3) Pilots shall adopt a minimum climb gradient in accordance with ICAO-Annex 6 provisions for a safe obstacles overflying. Such climb gradient shall be maintained in any foreseeable circumstance.

INITIAL CLIMB PROCEDURE RWY 34L

IAS MAX during turn over 1NM OST 210 KT

Warning: "Close in " obstacles penetrating OIS 2.5% exist, but they were not considered for the published procedure design gradient

EKLOS 8M

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+410 FT	-	RNAV1
CF	RF801	Y	339 (342.6)	3	-	-	+410 FT	-210	RNAV1
DF	RF802	Y	-	-	-	-	+2800 FT	-230	RNAV1
DF	RF703	-	-	-	-	-	+6000 FT	-	RNAV1
TF	EKLOS	-	137 (139.7)	-	11.0	-	+FL80	-	RNAV1

NENIG 7M

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+410 FT	-	RNAV1
CF	RF801	Y	339 (342.6)	3	-	-	+410 FT	-210	RNAV1
DF	RF802	-	-	-	-	-	+2500 FT	-	RNAV1
TF	RF711	-	271 (274.6)	-	14.5	-	+3000 FT	-	RNAV1
TF	NENIG	-	278 (281.1)	-	14.0	-	+4000 FT	-	RNAV1

NENIG 6Y

After take-off maintain RWY heading until 1NM OST DME (MCA 410 FT) then turn left (IAS MAX 210KT) to join RDL 278 OST VOR bound to NENIG.

MCA: NENIG 4000FT

SOSAK 7Y

After take-off maintain RWY heading until 1NM OST DME (MCA 410 FT) then turn left (IAS MAX 210KT) on TR 186° to join RDL 215 OST VOR bound to SOSAK.

MCA: SOSAK 3000FT

SOSAK 9M

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+410 FT	-	RNAV1
CF	RF801	Y	339 (342.6)	3	-	-	+410 FT	-210	RNAV1
DF	RF802	Y	-	-	-	-	+2800 FT	-230	RNAV1
DF	RF703	-	-	-	-	-	-		RNAV1
TF	SOSAK	-	215 (218.3)	-	7.0	-	+3000 FT	-	RNAV1

SOSIV 7Y

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+410 FT	-	RNAV1
CF	RF801	Y	339 (342.6)	3	-	-	+410 FT	-210	RNAV1
DF	RF812	Y	-	-	-	-	+4000 FT	-	RNAV1
DF	RF821	-	-	-	-	-	+6000 FT		RNAV1
TF	RF822	-	003 (006.2)	-	7.0	-	-	-	RNAV1
TF	SOSIV		003 (006.3)	-	6.4	-	+FL110		RNAV1

XENOL 7M

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+410 FT	-	RNAV1
CF	RF801	Y	339 (342.6)	3	-	-	+410 FT	-210	RNAV1
DF	RF802	-	-	-	-	-	+2800 FT	-	RNAV1
TF	XENOL	-	259 (262.1)	-	26.5	-	+4000 FT	-	RNAV1

XENOL 7Y

After take-off maintain RWY heading until 1NM OST DME (MCA 410 FT) then turn left (IAS MAX 210KT) on TR 231° to join RDL 261 OST VOR until D20 OST DME then proceed on TR 273° bound to XENOL.

MCA: XENOL 4000FT

SOSIV 6Z

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+410 FT	-	RNAV1
CF	RF801	Y	339 (342.6)	3	-	-	+410 FT	-210	RNAV1
CF	RF711	Y	278 (281.2)	3	-	-	+6000 FT	-	RNAV1
CF	RF712		025 (028.2)	3	-	-	+FL110	-	RNAV1
TF	SOSIV	-	025 (028.2)	-	6.3	-	-	-	RNAV1

INITIAL CLIMB PROCEDURE RWY 34R

Minimum climb gradient required for ATC reasons: 425 ft/NM (7%) until 3000 ft. Pilots unable to comply with this gradient shall advise ATC as soon as possible and require an amended clearance and/or a suitable RWY for take-off

Warning: "Close in " obstacles penetrating OIS 2.5% exist, but they were not considered for the published procedure design gradient

EKLOS 8X

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+413 FT	-	RNAV1
CF	RF804	-	339 (342.6)	3	-	-	-	-	RNAV1
CF	RF809	Y	339 (342.3)	3	-	-	+2500 FT	-230	RNAV1
DF	RF811	-	-	-	-	-	+3000 FT	-	RNAV1
TF	RF703	-	167 (169.9)	-	12.4	-	+6000 FT	-	RNAV1
TF	EKLOS	-	137 (139.7)	-	11.0	-	+FL80	-	RNAV1

NENIG 7X

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+413 FT	-	RNAV1
CF	RF804	-	339 (342.6)	3	-	-	-	-	RNAV1
CF	RF809	Y	339 (342.3)	3	-	-	+2500 FT	-220	RNAV1
DF	RF819	-	-	-	-	-	+3000 FT	-	RNAV1
TF	NENIG	-	256 (259.1)	-	27.3	-	+4000 FT	-	RNAV1

SOSAK 5X

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+413 FT	-	RNAV1
CF	RF804	-	339 (342.6)	3	-	-	-	-	RNAV1
CF	RF809	Y	339 (342.3)	3	-	-	+2500 FT	-230	RNAV1
DF	RF811	-	-	-	-	-	+3000 FT	-	RNAV1
TF	RF703	-	167 (169.9)	-	12.4	-	-	-	RNAV1
TF	SOSAK	-	215 (218.3)	-	7.0	-	-	-	RNAV1

SOSIV 7X

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+413 FT	-	RNAV1
CF	RF804	-	339 (342.6)	3	-	-	-	-	RNAV1
CF	RF809	Y	339 (342.3)	3	-	-	+2500 FT	-210	RNAV1
DF	RF819	-	-	-	-	-	+4000 FT	-	RNAV1
TF	RF821	-	258 (261.2)	-	4.3	-	+6000 FT	-210	RNAV1
TF	RF822	-	003 (006.2)	-	7.0	-	-	-	RNAV1
TF	SOSIV	-	003 (006.3)	-	6.4	-	+FL110	-	RNAV1

XENOL 7X

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
CA	-	-	339 (342.6)	-	-	-	+413 FT	-	RNAV1
CF	RF804	-	339 (342.6)	3	-	-	-	-	RNAV1
CF	RF809	Y	339 (342.3)	3	-	-	+2500 FT	-240	RNAV1
DF	RF818	-	-	-	-	-	+3000 FT	-	RNAV1
TF	XENOL	-	243 (246.3)	-	25.2	-	+4000 FT-	-	RNAV1

WAYPOINT LIST

Waypoint Identifier	Coordinates
RF703	41°42'47.4N 012°08'28.4E
RF711	41°52'03.4N 011°48'47.6E
RF712	42°05'26.0N 011°58'21.1E
RF801	41°49'04.4N 012°13'31.3E
RF802	41°50'52.3N 012°08'13.1E
RF804	41°54'38.5N 012°14'04.6E
RF809	41°57'11.3N 012°12'59.4E
RF811	41°55'00.0N 012°05'33.0E
RF812	41°51'08.8N 012°04'17.3E
RF818	41°57'20.1N 012°04'05.7E
RF819	41°58'18.7N 012°06'04.6E
RF821	41°57'39.3N 012°00'22.7E
RF822	42°04'39.8N 012°01'24.3E