

INITIAL CLIMB PROCEDURES RWY 04 DESCRIPTION

After take – off proceed runway heading and passing 750 ft turn right (not before than DER 04) to join the assigned SID.

Minimum climb gradient 600 ft/NM (9.8%) till passing 1000 FT then:

- a) if proceeding via SID ECVAZ 8A, OTZOM 7A, OTZOM 7C and UPCAL 7A: 395 ft/NM (6,5%);
- b) if proceeding via SID UVNIB 1G, LEGLO 7G and OSBUL 7G: 304 ft/NM (5,0%), if proceeding via SID TUVDE 7A 515 ft/NM (8.5%), until passing FL 85 due to obstacles and ATC reasons.

REMARKS

- a) Adjust take-off climb rate in order to cross THR 22 at 65 ft above THR elevation.
- b) All turns after take-off shall be performed according to the following parameters:
 - IAS MAX 250 kt (220 kt for SID OTZOM 7C) and bank angle 20°, or
 - rate of turn 1.3°/sec
- c) Initial climb gradients do not take into account “close-in” obstacles lower than 60 m (200 ft), MOC included, above DER elevation.

SID RNAV 1 RWY 04 DESCRIPTION

Initial climb procedure executed:

ECVAZ 8A (ATC discretion)

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
CF	PX501	-	113° (115.7)	3 E	-	-	+6000	- 250	RNAV1
TF	ECVAZ	-	144° (147.4)	-	9.3	-	+FL95	-	RNAV1

LEGLO 7G

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
DF	PX522	-	-	-	-	R	+4000	- 250	RNAV1
TF	PX511	-	243° (246.1)	-	12.3	-	+5500	-	RNAV1
TF	PX512	-	221° (224.2)	-	17.8	-	+FL90	-	RNAV1
TF	LEGLO	-	317° (319.9)	-	48.7	R	+FL110	-	RNAV1

OSBUL 7G

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
DF	PX522	-	-	-	-	R	+4000	- 250	RNAV1
TF	PX511	-	243° (246.1)	-	12.3	-	+5500	-	RNAV1
TF	PX512	-	221° (224.2)	-	17.8	-	+FL90	-	RNAV1
TF	OSBUL	-	214° (217.1)	-	15.7	-	+FL90	-	RNAV1

OTZOM 7A

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
CF	PX501	Y	113° (115.7)	3 E	-	-	+6000	- 250	RNAV1
DF	OTZOM	-	-	-	-	L	+FL95	-	RNAV1

OTZOM 7C (ATC Discretion)

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 220	RNAV1
DF	PX506	Y	-	-	-	-	+4000	- 220	RNAV1
DF	OTZOM	-	-	-	-	R	+FL95	- 220	RNAV1

TUVDE 7A

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
CF	PX501	-	113° (115.7)	3 E	-	-	-	- 250	RNAV1
TF	TUVDE	-	113° (116.0)	-	2.2	-	+FL85	-	RNAV1

UPCAL 7A (ATC discretion)

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
CF	PX501	-	113° (115.7)	3 E	-	-	+6000	- 250	RNAV1
TF	UPCAL	-	170° (173.3)	-	14.3	-	+FL110	-	RNAV1

UVNIB 1G (ATC discretion)

Path Terminator	Waypoint Identifier	Fly Over	Course °M(°T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (ft)	Speed Limit (kt)	Navigation Specification
FA	DER04	-	043° (045.7)	-	-	-	+750	- 250	RNAV1
DF	PX522	-	-	-	-	R	+4000	- 250	RNAV1
TF	PX511	-	243° (246.1)	-	12.3	-	+5500	-	RNAV1
TF	PX512	-	221° (224.2)	-	17.8	-	+FL90	-	RNAV1
TF	UVNIB	-	283° (286.1)	-	43.0	-	+FL90	-	RNAV1

Waypoints table formatted according ARINC 424 standards

Waypoint	Latitude	Longitude
DER04	N45242751	E010542123
PX501	N45191367	E011094171
PX506	N45212519	E011030633
PX511	N45143904	E010482196
PX512	N45015454	E010305491
PX522	N45193819	E011041365