

10 000

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC.
TRACKS IN BRACKETS ARE TRUE.
ALTITUDES AND ELEVATIONS IN FT. DISTANCES IN NM.



ZADAR / Zemunik
CROATIA
RNAV RWY 31

GENERAL INFORMATION AND REQUIREMENTS FOR ALL SIDs

- Calculation of the SIDs is based on an all-engines operative minimum net climb gradient of 3.3 per cent (201 FT/NM). Where a greater climb gradient for a specific SID (or part of SID) is necessary, this is indicated in the tabular description of the route.

- After take-off climb initially 8000 FT and contact Zadar Radar on 128.525 MHz.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID RAVNA 1T only:

Climb straight ahead to BO L. At BO L proceed on bearing QDR 317° BO to RAVNA. On passing 6000 FT AMSL proceed via RNAV SID RAVNA 1T or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	RAVNA 1T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-	-	RNAV 1
020		TF	RAVNA	-	317° (321.3°T)	4°E	27.8	-	-	-	-	

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID PALEZ 2T only:

Climb straight ahead to BO L. MAX IAS 230 KT. At BO L proceed on bearing QDR 317° BO to 18.0 DME ZDA. At 18.0 DME ZDA turn RIGHT on track 047° to PALEZ. On passing 7800 FT AMSL proceed via RNAV SID PALEZ 2T or according to ATC instruction. MNM PDG 6.1% (371 FT/NM) to 7800 FT AMSL. Cross PALEZ at or above 8000 FT AMSL.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	PALEZ 2T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-230	MNM PDG 6.1% (371 FT/NM) to 7800 FT AMSL	RNAV 1
020		TF	ZD951	-	317° (321.3°T)	4°E	11.8	-	-	-		
030		TF	PALEZ	-	047° (051.1°T)	4°E	24.2	-	+8000	-		

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SPL 1T only:

Climb straight ahead to BO L. MAX IAS 230 KT. At BO L turn LEFT climbing direct to SAL NDB. MAX IAS 260 KT. After crossing SAL NDB, proceed via RNAV SID SPL 1T or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SPL 1T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-230	-	RNAV 1
020		DF	ZD950	-	-	4°E	-	L	-	-260		
030		TF	SAL	-	142° (146.5°T)	4°E	6.4	-	-	-		
040		TF	SPL	-	114° (117.8°T)	4°E	56.1	-	-	-		

CHANGE: Lateral and vertical limit and classification for Zadar TMA; Some LDTR, LDTs and LDD areas established or withdrawn; Zadar Delivery frequency added; Obstacles; Editorial.

WARNING: Back-up conventional (NON-RNAV) procedure, in case of loss of RNAV 1 capability or RNAV system failure, below minimum radar vectoring altitude for RNAV SID SAL 1T only:
Climb straight ahead to BO L. MAX IAS 230 KT. At BO L turn LEFT climbing direct to SAL NDB. MAX IAS 260 KT.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 31												
Proposed tabular description for navigation database coding												
Serial number	Route	Path descriptor	Waypoint name	Flyover	Course °M (°T)	Magnetic variation	Distance (NM)	Turn direction	Altitude (ft)	Speed (kt)	Remarks	NAV SPEC
010	SAL 1T	CF	BO	Y	312° (315.7°T)	4°E	4.4	-	-	-230	-	RNAV 1
020		DF	ZD950	-	-	4°E	-	L	-	-260		
030		TF	SAL	-	142° (146.5°T)	4°E	6.4	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
BO	441009.29N	0151550.41E
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD950	440134.5N	0150513.7E
ZD951	441920.2N	0150534.2E

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