



ZADAR / Zemunik
CROATIA
RNAV RWY 13

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 SIDs PALEZ 1V, RAVNA 1V only:

Climb straight ahead. At 2500 FT AMSL turn RIGHT climbing to intercept and follow QDM 309° LOS. Cross 39.0 DME LSJ at or above 8000 FT AMSL. After crossing 39.0 DME LSJ, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 13												
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 1V	CA	-	-	132° (135.7°T)	4°E	-	-	@2500	-	-	RNAV 1
020		DF	ZD850	Y	-	4°E	-	R	+8000	-		
030		TF	RAVNA	-	331° (335.3°T)	4°E	29.8	-	-	-		
010	PALEZ 1V	CA	-	-	132° (135.7°T)	4°E	-	-	@2500	-	-	RNAV 1
020		DF	ZD850	Y	-	4°E	-	R	+8000	-		
030		TF	PALEZ	-	025° (029.0°T)	4°E	34.0	-	-	-		

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 1V only:

Climb straight ahead to ZRA NDB. From ZRA NDB intercept and follow R-126 ZDA climbing to SPL VOR/DME. On passing 4000 FT AMSL proceed via RNAV SID SPL 1V or according to ATC instruction.

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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 1V	CF	ZRA	Y	132° (135.8°T)	4°E	8.6	-	-	-	-	RNAV 1
020		TF	SPL	-	126° (130.2°T)	4°E	46.2	-	-	-		

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 1V only:

Climb straight ahead. At 2500 FT AMSL turn RIGHT direct to SAL NDB.

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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 1V	CA	-	-	132° (135.7°T)	4°E	-	-	@2500	-	-	RNAV 1
020		DF	SAL	-	-	4°E	-	R	-	-		

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 SIDs PALEZ 1X, RAVNA 1X only:
Climb straight ahead. At ZRA NDB turn LEFT climbing on track 312°. Cross R-047 ZDA at or above 7800 FT AMSL, but at or below 9000 FT AMSL. After crossing R-047 ZDA, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 250 KT. MNM PDG 5.0% (304 FT/NM) to 7800 FT AMSL.

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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 1X	CF	ZRA	Y	132° (135.8°T)	4°E	8.6	-	-	-250	MNM PDG 5.0% (304 FT/NM) to 7800 FT AMSL	RNAV 1
020		DF	ZD851	-	-	4°E	-	L	-9000 +7800	-		
030		TF	ZD852	-	312° (315.6°T)	4°E	10.4	-	-	-		
040		TF	RAVNA	-	304° (308.0°T)	4°E	24.3	-	-	-		
010	PALEZ 1X	CF	ZRA	Y	132° (135.8°T)	4°E	8.6	-	-	-250	MNM PDG 5.0% (304 FT/NM) to 7800 FT AMSL	RNAV 1
020		DF	ZD851	-	-	4°E	-	L	-9000 +7800	-		
030		TF	ZD852	-	312° (315.6°T)	4°E	10.4	-	-	-		
040		TF	PALEZ	-	025° (029.1°T)	4°E	20.1	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
ZRA	435949.76N	0152947.31E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD850	440447.4N	0150854.4E
ZD851	440929.7N	0152823.5E
ZD852	441654.5N	0151815.9E

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