

**STANDARD DEPARTURE CHART**  
INSTRUMENT (SID) - ICAO

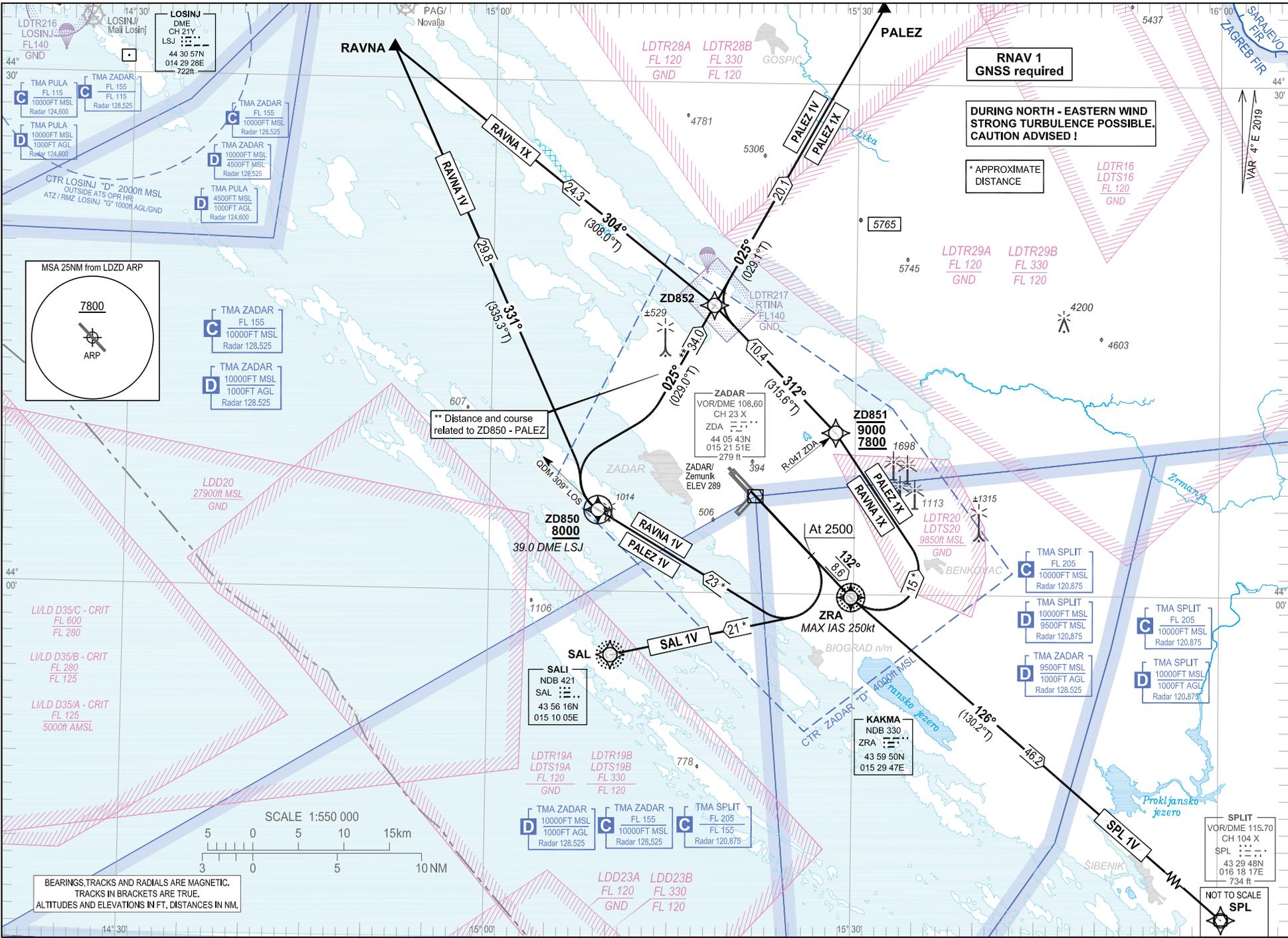
**TRANSITION ALTITUDE**  
**10 000**

ZADAR TOWER 123.700  
ZADAR DELIVERY 132.975  
ZADAR RADAR 128.525

RAVNA IV PALEZ IV SPL IV  
SAL IV RAVNA IX PALEZ IX

**ZADAR / Zemunik (LDZD)**  
RNAV RWY 13

CHANGE: TMA classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

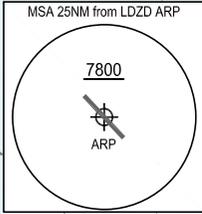


**RNAV 1**  
**GNSS required**

**DURING NORTH - EASTERN WIND**  
**STRONG TURBULENCE POSSIBLE.**  
**CAUTION ADVISED !**

\* APPROXIMATE  
DISTANCE

\*\* Distance and course  
related to ZD850 - PALEZ



## ZADAR / Zemunik (LDZD)

RAVNA 1V PALEZ 1V SPL 1V

RNAV RWY 13

SAL 1V RAVNA 1X PALEZ 1X

## 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.

**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	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.

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

CHANGE: TMA's classification vertical limits; Parachuting zones added; PBN box updated; 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.

**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 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

CHANGE: TMAs classification vertical limits; Parachuting zones added; PBN box updated; Editorial.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA  
THIS PAGE INTENTIONALLY LEFT BLANK