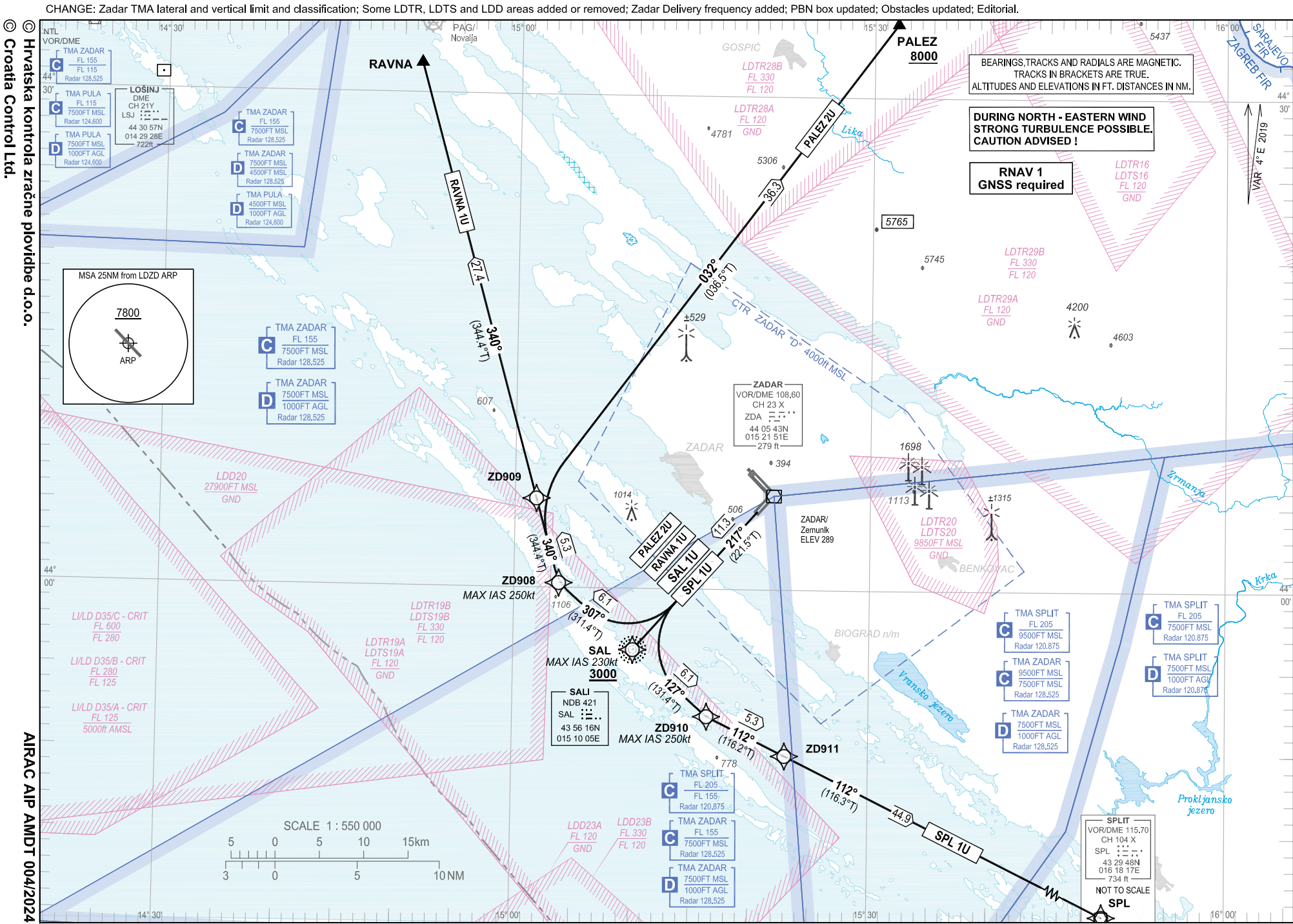


RNAV 1
GNSS required

ZADAR / Zemunik (LDZD)
RNAV RWY 22

RAVNA 1U PALEZ 2U SAL 1U SPL 1U

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 2U, RAVNA 1U, SPL 1U only:

Climb straight ahead. Cross SAL NDB at or above 3000 FT AMSL. After crossing SAL NDB, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 230 KT.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 22

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 1U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-230	-	RNAV 1
020		TF	ZD908	-	307° (311.4°T)	4°E	6.1	-	-	-250		
030		TF	ZD909	-	340° (344.4°T)	4°E	5.3	-	-	-		
040		TF	RAVNA	-	340° (344.4°T)	4°E	27.4	-	-	-		
010	PALEZ 2U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-230	-	RNAV 1
020		TF	ZD908	-	307° (311.4°T)	4°E	6.1	-	-	-250		
030		TF	ZD909	-	340° (344.4°T)	4°E	5.3	-	-	-		
040		TF	PALEZ	-	032° (036.5°T)	4°E	36.3	-	+8000	-		
010	SAL 1U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-	-	RNAV 1
010	SPL 1U	CF	SAL	-	217° (221.5°T)	4°E	11.3	-	+3000	-230	-	RNAV 1
020		TF	ZD910	-	127° (131.4°T)	4°E	6.1	-	-	-250		
030		TF	ZD911	-	112° (116.2°T)	4°E	5.3	-	-	-		
040		TF	SPL	-	112° (116.3°T)	4°E	44.9	-	-	-		

Waypoint coordinates		
Waypoint name	WGS-84 latitude	WGS-84 longitude
SAL	435616.30N	0151005.20E
SPL	432947.69N	0161817.00E
RAVNA	443149N	0145130E
PALEZ	443430N	0153159E
ZD908	440016.8N	0150346.6E
ZD909	440524.4N	0150147.8E
ZD910	435215.5N	0151622.9E
ZD911	434954.3N	0152258.7E

CHANGE: Zadar TMA lateral and vertical limit and classification; Some LDTR, LDTS and LDD areas added or removed; Zadar Delivery frequency added; PBN box updated; Obstacles updated; Editorial.