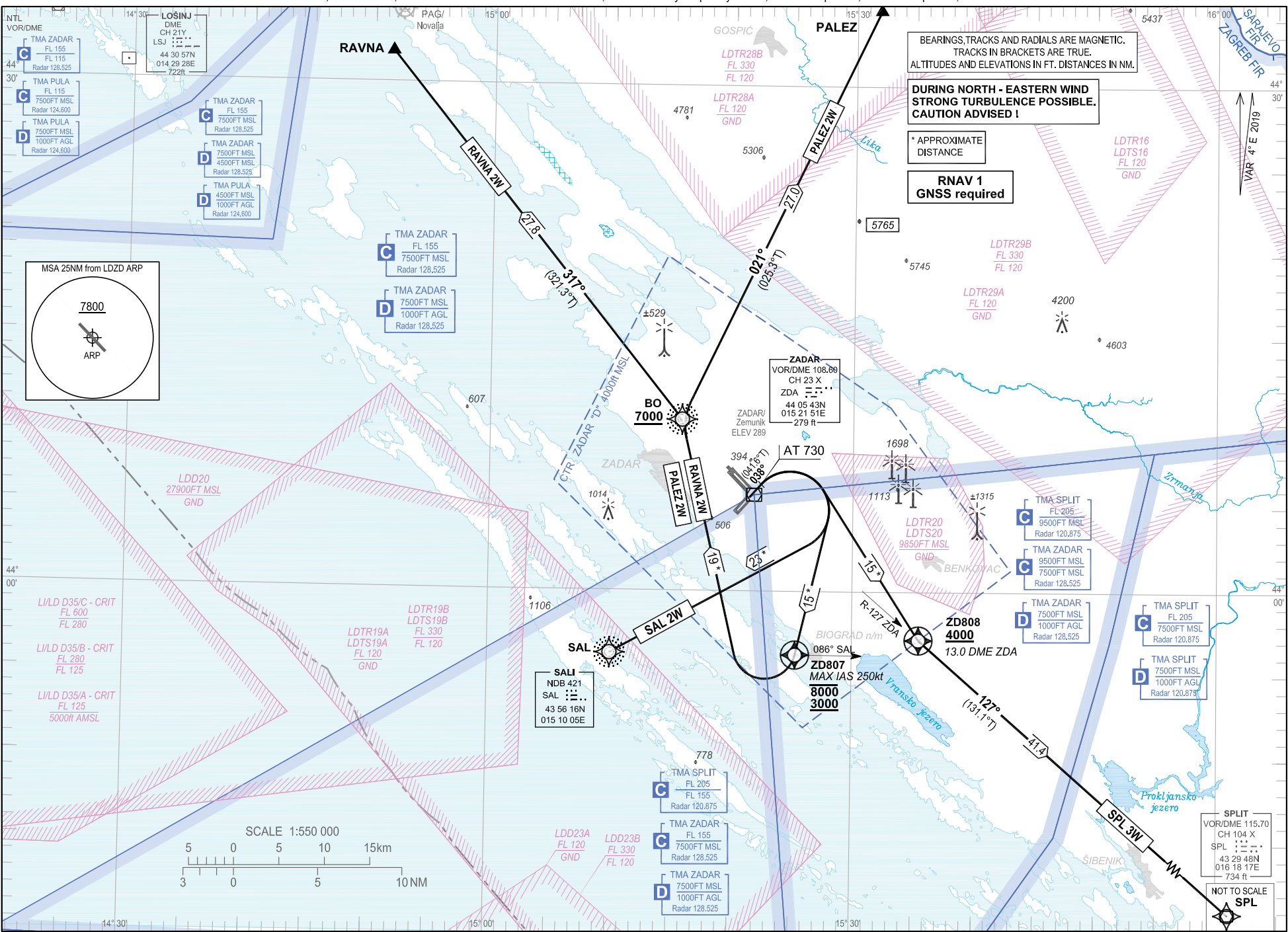


**ZADAR / Zemunik (LDZD)**  
**RNAV Rwy 04**

SCALE 1:550 000

5 0 5 10 15km

3 0 5 10NM



ZADAR / Zemunik (LDZD)  
RNAV RWY 04

RAVNA 2W PALEZ 2W SAL 2W SPL 3W

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 2W, RAVNA 2W only:  
Climb straight ahead. At 730 FT AMSL turn RIGHT climbing on track 190°. Cross QDR 086° SAL at or above 3000 FT AMSL, but at or below 8000 FT AMSL. After crossing QDR 086° SAL, proceed via RNAV SID flight procedure filed in FPL or according to ATC instruction. MAX IAS 250 KT. MNM PDG 3.4% (207 FT/NM) to 2000 FT.

| LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 04              |          |                 |               |         |                |                    |               |                |               |            |                                     |          |
|-------------------------------------------------------------|----------|-----------------|---------------|---------|----------------|--------------------|---------------|----------------|---------------|------------|-------------------------------------|----------|
| 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 2W | CA              | -             | -       | 038° (041.6°T) | 4°E                | -             | -              | @730          | -          | MNM PDG 3.4% (207 FT/NM) to 2000 FT | RNAV 1   |
| 020                                                         |          | DF              | ZD807         | Y       | -              | 4°E                | -             | R              | -8000 +3000   | -250       |                                     |          |
| 030                                                         |          | DF              | BO            | -       | -              | 4°E                | -             | R              | +7000         | -          |                                     |          |
| 040                                                         |          | TF              | RAVNA         | -       | 317° (321.3°T) | 4°E                | 27.8          | -              | -             | -          |                                     |          |
| 010                                                         | PALEZ 2W | CA              | -             | -       | 038° (041.6°T) | 4°E                | -             | -              | @730          | -          | MNM PDG 3.4% (207 FT/NM) to 2000 FT | RNAV 1   |
| 020                                                         |          | DF              | ZD807         | Y       | -              | 4°E                | -             | R              | -8000 +3000   | -250       |                                     |          |
| 030                                                         |          | DF              | BO            | -       | -              | 4°E                | -             | R              | +7000         | -          |                                     |          |
| 040                                                         |          | TF              | PALEZ         | -       | 021° (025.3°T) | 4°E                | 27.0          | -              | -             | -          |                                     |          |

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 SAL 2W only:

Climb straight ahead. At 730 FT AMSL turn RIGHT direct to SAL NDB. MNM PDG 3.4% (207 FT/NM) to 2000 FT.

| LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 04              |        |                 |               |         |                |                    |               |                |               |            |                                     |          |
|-------------------------------------------------------------|--------|-----------------|---------------|---------|----------------|--------------------|---------------|----------------|---------------|------------|-------------------------------------|----------|
| 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 2W | CA              | -             | -       | 038° (041.6°T) | 4°E                | -             | -              | @730          | -          | MNM PDG 3.4% (207 FT/NM) to 2000 FT | RNAV 1   |
| 020                                                         |        | DF              | SAL           | -       | -              | 4°E                | -             | R              | -             | -          |                                     |          |

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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.

**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 3W only:**  
Climb straight ahead. At 730 FT AMSL turn RIGHT climbing to intercept and follow R-127 ZDA. Cross 13.0 DME ZDA at or above 4000 FT AMSL. After crossing 13.0 DME ZDA, proceed via RNAV SID SPL 3W or according to ATC instruction. MNM PDG 3.4% (207 FT/NM) to 2000 FT.

LDZD RNAV STANDARD INSTRUMENT DEPARTURE RWY 04

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 3W | CA              | -             | -       | 038°<br>(041.6°T) | 4°E                | -             | -              | @730          | -          | MNM PDG 3.4%<br>(207 FT/NM) to 2000 FT | RNAV 1   |
| 020           |        | DF              | ZD808         | Y       | -                 | 4°E                | -             | R              | +4000         | -          |                                        |          |
| 030           |        | TF              | SPL           | -       | 127°<br>(131.1°T) | 4°E                | 41.4          | -              | -             | -          |                                        |          |

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         |
| ZD807         | 435613.6N       | 0152520.6E       |
| ZD808         | 435708.8N       | 0153529.4E       |

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.

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