

Phone: +385 1 6259 373

+385 1 6259 589

+385 1 6259 372

Fax: +385 1 6259 374

AFS: LDZAYOYX

Email: aip@crocontrol.hr

URL: <https://www.crocontrol.hr>



HRVATSKA KONTROLA  
ZRAČNE PLOVIDBE

Hrvatska kontrola zračne plovdivbe d.o.o.  
Služba zrakoplovnog informiranja (AIM/AIS)

Rudolfa Fizira 2

10410 Velika Gorica, p.p. 103  
Hrvatska

AIRAC AIP SUP 004/2023

Na snazi od: 18-May-2023

Vrijedi do: UFN

Datum izdavanja: 06-Apr-2023

## LDRI - Zračna luka RIJEKA/Krk I. - Privremena suspenzija LDRI ILS or LOC RWY 14 i probni LDRI ILS z or LOC z RWY14 instrumentalni zrakoplovni navigacijski postupak

Ovim AIRAC AIP SUP-om privremeno se suspendira LDRI ILS or LOC RWY14 zrakoplovni navigacijski postupak (LDRI AD 2.24.12. IAC ILS or LOC RWY14, WEF 20 APR 2023), te ga za vrijeme trajanja službene objave ovog AIP SUP-a privremeno zamjenjuje LDRI ILS y or LOC y RWY14, koji se nalazi u pritvku.

Ovim AIRAC AIP SUP-om dostupan je i probni LDRI ILS z or LOC z RWY14 zrakoplovni navigacijski postupak (LDRI AD 2.24.12. IAC ILS z or LOC z RWY14) na Zračnoj luci Rijeka/Krk I. samo u svrhu provjeravanja iz zraka.

Instrumentalni zrakoplovni navigacijski postupak LDRI ILS z or LOC z RWY14 dostupan je i koristiti će se jedino u svrhu izvođenja provjere iz zraka, jedino od strane odobrenog operatora (Hrvatska kontrola zračne plovdivbe d.o.o.) i jedino prema odobrenju ATC-a Rijeka.

Probni LDRI ILS z or LOC z RWY14 (RNP APCH Transition to ILS or LOC) zrakoplovni navigacijski postupak temelji se na GNSS početnim segmentima prilaženja do IF (*Intermediate Fix*) preletišta. Nakon IF preletišta konvencionalni segmenti među-prilaženja i završnog prilaženja bazirani su na ILS sustavu i podržani su DME navigacijskim uređajem, dok se PBN instrumentalni postupak neuspjelog prilaženja bazira na uporabi GNSS-a.

Instrumentalni zrakoplovni navigacijski postupci objavljeni putem ovog AIRAC AIP SUP-a temelje se na postojećim ICAO kriterijima, koji su propisani u ICAO Doc. 8168 OPS/611 Vol II (ICAO PANS OPS Vol II).

Sastavni dio ovog AIRAC AIP SUP-a su:

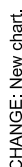
- LDRI ILS z or LOC z RWY14 (RNP APCH Transition to ILS or LOC) – ICAO IAC karta, PBN tablice kodiranja, ADR tablica i popis putnih točaka (*waypoint list*).
- LDRI ILS y or LOC y RWY14 – ICAO IAC karta, ADR tablica.

Upišite AIRAC AIP SUP 004/2023 u GEN 0.3.

REF AIP: LDRI AD 2

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA

**RIJEKA / Krk I.**  
CROATIA  
ILS z or LOC z RWY 14  
(RNP APCH to ILS or LOC transition)



Climb straight ahead.  
At RI405 turn RIGHT (MAX IAS 185kt during turn) to RI406. At RI406 turn RIGHT to RI407 (At or above 6000). At RI407 turn RIGHT to IRDAX (MAX IAS 210kt) at 8000 and hold.

|                                             |      |      |      |      |      |      |
|---------------------------------------------|------|------|------|------|------|------|
| LOC only: FAF to MAPt distance - 7.5 NM     |      |      |      |      |      |      |
| Timing not authorized for defining the MAPt |      |      |      |      |      |      |
| GS (kt)                                     | 80   | 100  | 120  | 140  | 160  | 180  |
| min:sec                                     | 5:37 | 4:30 | 3:45 | 3:13 | 2:49 | 2:30 |
| Rate of descent (ft / min)                  | 425  | 531  | 637  | 743  | 850  | 956  |

RIJEKA / Krk I.  
CROATIA  
ILS z or LOC z RWY 14  
(RNP APCH to ILS or LOC transition)

| ILS z or LOC z RWY14                                                                             |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
|--------------------------------------------------------------------------------------------------|------|-----------------|---------------|-------------------------------|----------------------|--------------------|----------------------------------------------|----------------|---------------|-------------------------------------------------|----------------|--------------------------------------------|----------|
| Proposed tabular description for navigation database coding - APPROACH TRANSITION                |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| Serial Number                                                                                    | Fix  | Path descriptor | Waypoint name | Flyover                       | Course<br>°M<br>(°T) | Magnetic Variation | Distance (NM)                                | Turn direction | Altitude (ft) | Speed (kt)                                      | VPA/TCH (°/ft) | Remarks                                    | NAV SPEC |
| 010                                                                                              | IAF  | IF              | SORDO         | -                             | -                    | 4°E                | -                                            | -              | +7000         | -210                                            | -              | IAF on ATC authorization only              | RNP APCH |
| 020                                                                                              | -    | TF              | RI401         | -                             | 067°<br>(071.1° T)   | 4°E                | 3.1                                          | -              | +6000         | -                                               | -              | -                                          |          |
| 030                                                                                              | -    | TF              | BRZ           | -                             | 067°<br>(071.2° T)   | 4°E                | 4.6                                          | -              | +4500         | -185                                            | -              | -                                          |          |
| 040                                                                                              | IF   | TF              | RI409         | -                             | 135°<br>(138.8° T)   | 4°E                | 3.8                                          | -              | +3400         | -                                               | -              | -                                          |          |
| 010                                                                                              | IAF  | IF              | GIRDA         | -                             | -                    | 4°E                | -                                            | -              | +8000         | -190                                            | -              | IAF on ATC authorization only              | RNP APCH |
| 020                                                                                              | -    | TF              | RI408         | -                             | 105°<br>(109.2° T)   | 4°E                | 4.1                                          | -              | +6300         | -                                               | -              | -                                          |          |
| 030                                                                                              | -    | TF              | BRZ           | -                             | 105°<br>(109.2° T)   | 4°E                | 5.3                                          | -              | +4500         | -185                                            | -              | -                                          |          |
| 040                                                                                              | IF   | TF              | RI409         | -                             | 135°<br>(138.8° T)   | 4°E                | 3.8                                          | -              | +3400         | -                                               | -              | -                                          |          |
| 010                                                                                              | IAF  | IF              | IRDAX         | -                             | -                    | 4°E                | -                                            | -              | +8000         | -210                                            | -              | -                                          | RNP APCH |
| 020                                                                                              | -    | TF              | RI410         | -                             | 317°<br>(321.0° T)   | 4°E                | 8.4                                          | -              | +5500         | -185                                            | -              | -                                          |          |
| 030                                                                                              | -    | TF              | BRZ           | -                             | 227°<br>(231.0 T)    | 4°E                | 3.4                                          | L              | +4500         | -                                               | -              | -                                          |          |
| 040                                                                                              | IF   | TF              | RI409         | -                             | 135°<br>(138.8° T)   | 4°E                | 3.8                                          | L              | +3400         | -                                               | -              | -                                          |          |
| AERONAUTICAL DATABASE REQUIREMENTS                                                               |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| Conventional procedure essential fixes/points                                                    |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| ILS z or LOC z RWY 14                                                                            |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| LOC only - final approach descent angle: 2.99°                                                   |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| Fix identification                                                                               |      |                 |               | Coordinates                   |                      |                    | True bearing or ARC distance providing track |                |               | True bearing or distance providing intersection |                |                                            |          |
| IF (RI409)                                                                                       |      |                 |               | 45 22 34.4N<br>014 24 15.3E   |                      |                    | -                                            |                |               | -                                               |                |                                            |          |
| FAF LOC only                                                                                     |      |                 |               | 45 20 05.9N<br>014 26 50.7E   |                      |                    | 143.68° (IKR LOC)                            |                |               | 8.36 DME RJK                                    |                |                                            |          |
| SDF LOC only                                                                                     |      |                 |               | 45 17 17.9N<br>014 29 46.2E   |                      |                    | 143.68° (IKR LOC)                            |                |               | 4.88 DME RJK                                    |                |                                            |          |
| MAPt LOC only (MM 14)                                                                            |      |                 |               | 45 14 03.80N<br>014 33 08.47E |                      |                    | 143.68° (IKR LOC)                            |                |               | 0.87 DME RJK                                    |                |                                            |          |
| ILS z or LOC z RWY14                                                                             |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| Proposed tabular description for navigation database coding - FINAL TRANSITION (MISSED APPROACH) |      |                 |               |                               |                      |                    |                                              |                |               |                                                 |                |                                            |          |
| Serial Number                                                                                    | Fix  | Path descriptor | Waypoint name | Flyover                       | Course<br>°M<br>(°T) | Magnetic Variation | Distance (NM)                                | Turn direction | Altitude (ft) | Speed (kt)                                      | VPA/TCH (°/ft) | Remarks                                    | NAV SPEC |
| 010                                                                                              | -    | IF              | RI405         | -                             | 140°<br>(143.7° T)   | 4°E                | -                                            | -              | -             | -                                               | -              | -                                          | RNP APCH |
| 020                                                                                              | -    | TF              | RI406         | -                             | 229°<br>(232.7° T)   | 4°E                | 7.0                                          | R              | -             | -185                                            | -              | -                                          |          |
| 030                                                                                              | -    | TF              | RI407         | -                             | 320°<br>(323.7° T)   | 4°E                | 15.5                                         | R              | +6000         | -                                               | -              | -                                          |          |
| 040                                                                                              | MAHF | TF              | IRDAX         | -                             | 032°<br>(035.6° T)   | 4°E                | 11.0                                         | -              | 8000          | -210                                            | -              | -                                          |          |
| 050                                                                                              | MAHF | HM              | IRDAX         | -                             | 289°<br>(293.5° T)   | 4°E                | 1MIN                                         | R              | 8000          | -210                                            | -              | Holding above 8000ft on ATC clearance only | RNAV 1   |

CHANGE: New chart.

RIJEKA / Krk I.

RIJEKA / Krk I.

ILS z or LOC z RWY 14

(RNP APCH to ILS or LOC transition)

## RNAV HOLDING tabular description

| Waypoint name | Path Terminator | Inbound course<br>°M (°T) | Leg time/<br>distance<br>NM | Turn direction | Minimum altitude<br>FT | Maximum altitude<br>FT | Speed limit<br>MAX IAS (kt) | Magnetic Variation | Remarks | NAV SPEC |
|---------------|-----------------|---------------------------|-----------------------------|----------------|------------------------|------------------------|-----------------------------|--------------------|---------|----------|
| IRDAX         | HM              | 289°<br>(293.5° T)        | 1MIN /<br>-                 | R              | 8000                   | -                      | 210                         | 4°E                | -       | RNAV 1   |

## Waypoint Coordinates

| Waypoint Name | WGS-84 Latitude | WGS-84 Longitude |
|---------------|-----------------|------------------|
| GIRDA         | 452832N         | 0140802E         |
| IRDAX         | 452103.8N       | 0143157.0E       |
| SORDO         | 452255.7N       | 0141021.7E       |
| BRZ           | 452525.14N      | 0142043.44E      |
| RI401         | 452356.5N       | 0141434.0E       |
| RI405         | 450351.7N       | 0144342.9E       |
| RI406         | 445937.0N       | 0143552.0E       |
| RI407         | 451207.2N       | 0142251.9E       |
| RI408         | 452710.5N       | 0141335.3E       |
| RI409         | 452234.4N       | 0142415.3E       |
| RI410         | 452733.4N       | 0142428.0E       |

CHANGE: New chart.

OVA STRANICA JE NAMJERNO OSTAVLJENA PRAZNA  
THIS PAGE INTENTIONALLY LEFT BLANK

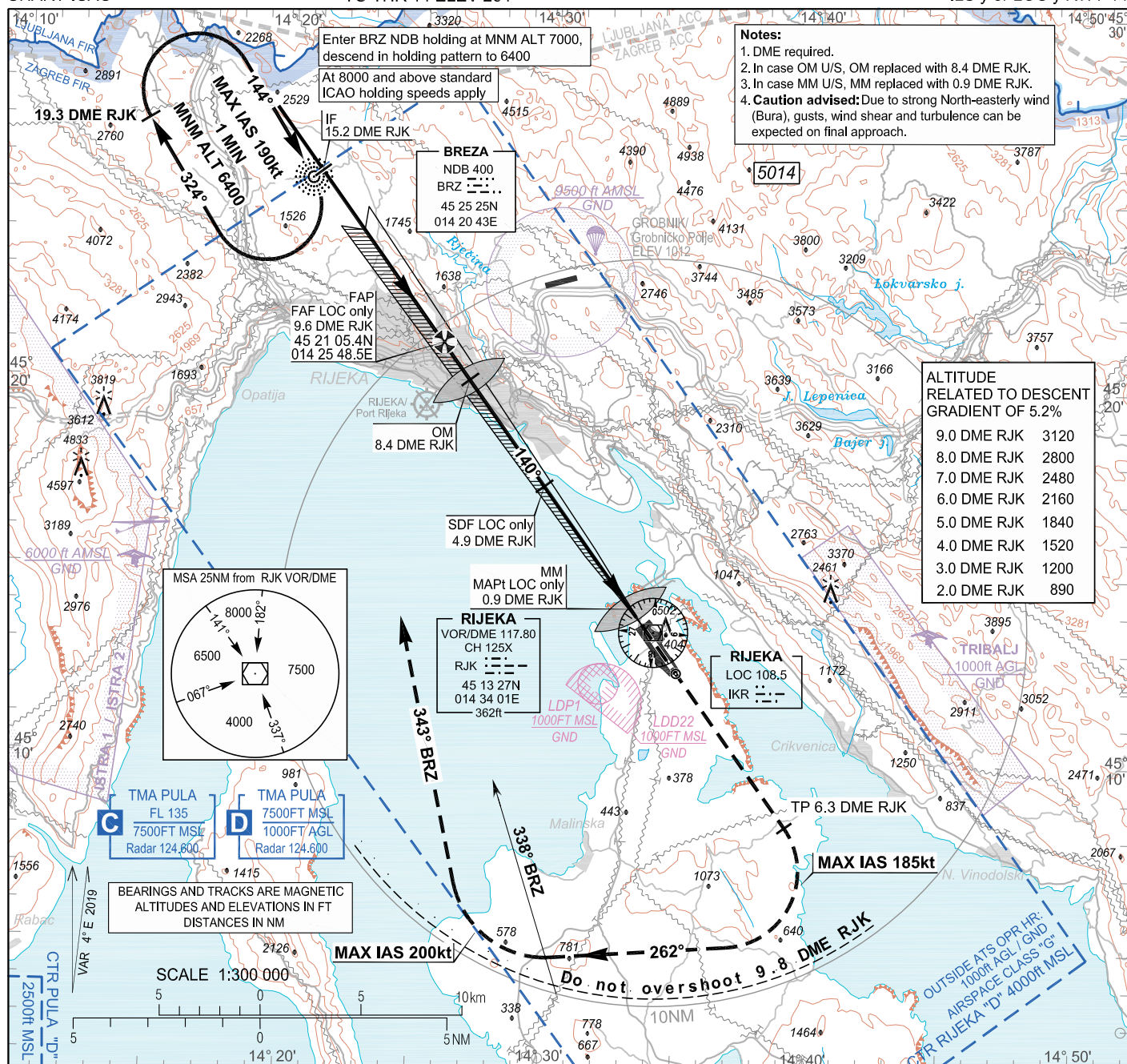


INSTRUMENT APPROACH  
CHART-ICAO

AD ELEV 278  
HEIGHTS RELATED  
TO THR 14 ELEV 264

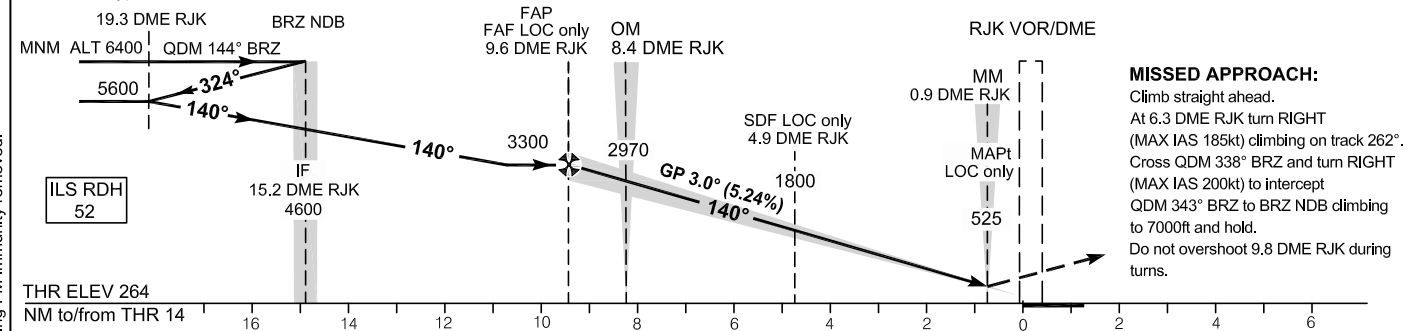
|              |         |
|--------------|---------|
| PULA RADAR   | 127.675 |
| RIJEKA TOWER | 124.600 |
| RIJEKA TOWER | 119.000 |

RIJEKA / Krk I.  
CROATIA  
ILS y or LOC y RWY 14



Enter BRZ NDB holding at MNM ALT 7000, descend in holding pattern to 6400

TRANSITION ALT 10 000



| OCA(H)               | A         | B                                                         | C         | D         |
|----------------------|-----------|-----------------------------------------------------------|-----------|-----------|
| Straight-in Approach | 460 (196) | 471 (207)                                                 | 484 (220) | 498 (234) |
| LOC only             | 590 (330) |                                                           |           |           |
| Circling             | 800 (530) | Circling for ACFT CAT A, SW of the aerodrome not allowed. |           |           |
|                      |           | Circling for ACFT CAT B, C and D not allowed.             |           |           |

|                                         |                                             |      |      |      |      |      |
|-----------------------------------------|---------------------------------------------|------|------|------|------|------|
| LOC only: FAF to MAPt distance - 8.7 NM | Timing not authorized for defining the MAPt |      |      |      |      |      |
| GS (kt)                                 | 80                                          | 100  | 120  | 140  | 160  | 180  |
| min:sec                                 | 6:33                                        | 5:14 | 4:22 | 3:44 | 3:16 | 2:55 |
| Rate of descent (ft / min)              | 425                                         | 531  | 637  | 743  | 850  | 956  |

RIJEKA / Krk I.  
CROATIA  
ILS y or LOC y RWY 14

| AERONAUTICAL DATABASE REQUIREMENTS            |                           |                                                 |                                                    |
|-----------------------------------------------|---------------------------|-------------------------------------------------|----------------------------------------------------|
| Conventional procedure essential fixes/points |                           |                                                 |                                                    |
| ILS y or LOC y RWY 14                         |                           |                                                 |                                                    |
| LOC only - final approach descent angle: 3.0° |                           |                                                 |                                                    |
| Fix identification                            | Coordinates               | True bearing or ARC distance<br>providing track | True bearing or distance<br>providing intersection |
| IAF (BRZ NDB)                                 | 452525.14N<br>0142043.44E | -                                               | -                                                  |
| IF                                            | 452536.5N<br>0142104.4E   | 143.68° (IKR LOC)                               | 15.21 DME RJK                                      |
| FAF LOC only                                  | 452105.4N<br>0142548.5E   | 143.68° (IKR LOC)                               | 9.59 DME RJK                                       |
| SDF LOC only                                  | 451717.9N<br>0142946.2E   | 143.68° (IKR LOC)                               | 4.88 DME RJK                                       |
| MAPt LOC only (MM 14)                         | 451403.80N<br>0143308.47E | 143.68° (IKR LOC)                               | 0.87 DME RJK                                       |

CHANGE: Additional Info: while AIP SUP 004/2023 is in force instrument flight procedure LDRI ILS or LOC RWY 14, EFF DATE 20 APR 2023 is temporarily suspended and replaced with this LDRI ILS y or LOC y RWY 14;  
Note regarding FM immunity removed.