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URL: <http://www.crocontrol.hr>**HRVATSKA KONTROLA
ZRAČNE PLOVIDBE****Hrvatska kontrola zračne plovidbe d.o.o.
Služba zrakoplovnog informiranja (AIM/AIS)****Rudolfa Fizira 2****10410 Velika Gorica, p.p. 103
Hrvatska****AIRAC AIP SUP 005/2022****Na snazi od: 01-Dec-2022****Vrijedi do: UFN****Datum izdavanja: 20-Oct-2022**

LDDU - Zračna luka DUBROVNIK/Čilipi - Zamjenske procedure tijekom radova premještanja VOR/DME DBK

1. Uvod

Na Zračnoj luci DUBROVNIK/Čilipi izvode se radovi na premještanju VOR/DME DBK na novu lokaciju. Radovi će se izvoditi u periodu od 01 DEC 2022 do UFN.

Tijekom radova, VOR/DME DBK će biti izvan upotrebe.

Dodatni operativni utjecaji zona radova objavljivat će se po potrebi NOTAM-ima.

2. Utjecaj na letačke postupke

Sljedeći letački postupci za RWY11/29 bit će privremeno suspendirani:

- LDDU AD 2.24.12 IAC ILS z or LOC z RWY11
- LDDU AD 2.24.12 IAC ILS y or LOC y RWY11
- LDDU AD 2.24.8 SID RWY11
- LDDU AD 2.24.8 SID RWY29
- LDDU AD 2.24.8 SID RNAV RWY11 - samo RIGVA 2W NON-RNAV
- LDDU AD 2.24.10 STAR RWY11/29
- LDDU AD 2.24.12 IAC L RWY11
- LDDU AD 2.24.12 IAC VOR RWY11
- LDDU AD 2.24.12 IAC VOR-a RWY29
- LDDU AD 2.24.13 VAC RWY29
- LDDU AD 2.24.13 VOC

Na snazi će biti novi privremeni zamjenski instrumentalni letački postupci za RWY11/29 koji su dio ovog AIRAC AIP SUP-a:

- LDDU AD 2.24.12 IAC ILS x or LOC x RWY11, WEF 01 DEC 2022 - UFN
- LDDU AD 2.24.8 SID RWY11, WEF 01 DEC 2022 - UFN
- LDDU AD 2.24.8 SID RWY29, WEF 01 DEC 2022 - UFN
- LDDU AD 2.24.10 STAR RWY11/29, WEF 01 DEC 2022 - UFN

3. Instrumentalni letački postupci iz AIP-a koji ostaju na snazi

Na snazi će biti i letački postupci koji nisu suspendirani ovim AIP SUP-om:

- LDDU AD 2.24.8 SID RNAV RWY29
 - LDDU AD 2.24.10 STAR RNAV RWY11
 - LDDU AD 2.24.10 STAR RNAV RWY29
 - LDDU AD 2.24.12 IAC RNP RWY11
 - LDDU AD 2.24.12 IAC RNP RWY29 (AR)
 - LDDU AD 2.24.8 SID RNAV RWY11
- Napomena u vezi postupaka SID RWY11 RIGVA 2W: Pomoćni konvencionalni (NON-RNAV) postupak je suspendiran, jer DBK DME nije operativan.**

4. Prepreke

Za vrijeme radova na novoj lokaciji 423403.53N 0181521.99E DBK VOR/DME uređaj probija prijelaznu površinu ograničenja prepreka 8.8 M.

Upišite AIRAC AIP SUP 005/2022 u GEN 0.3.

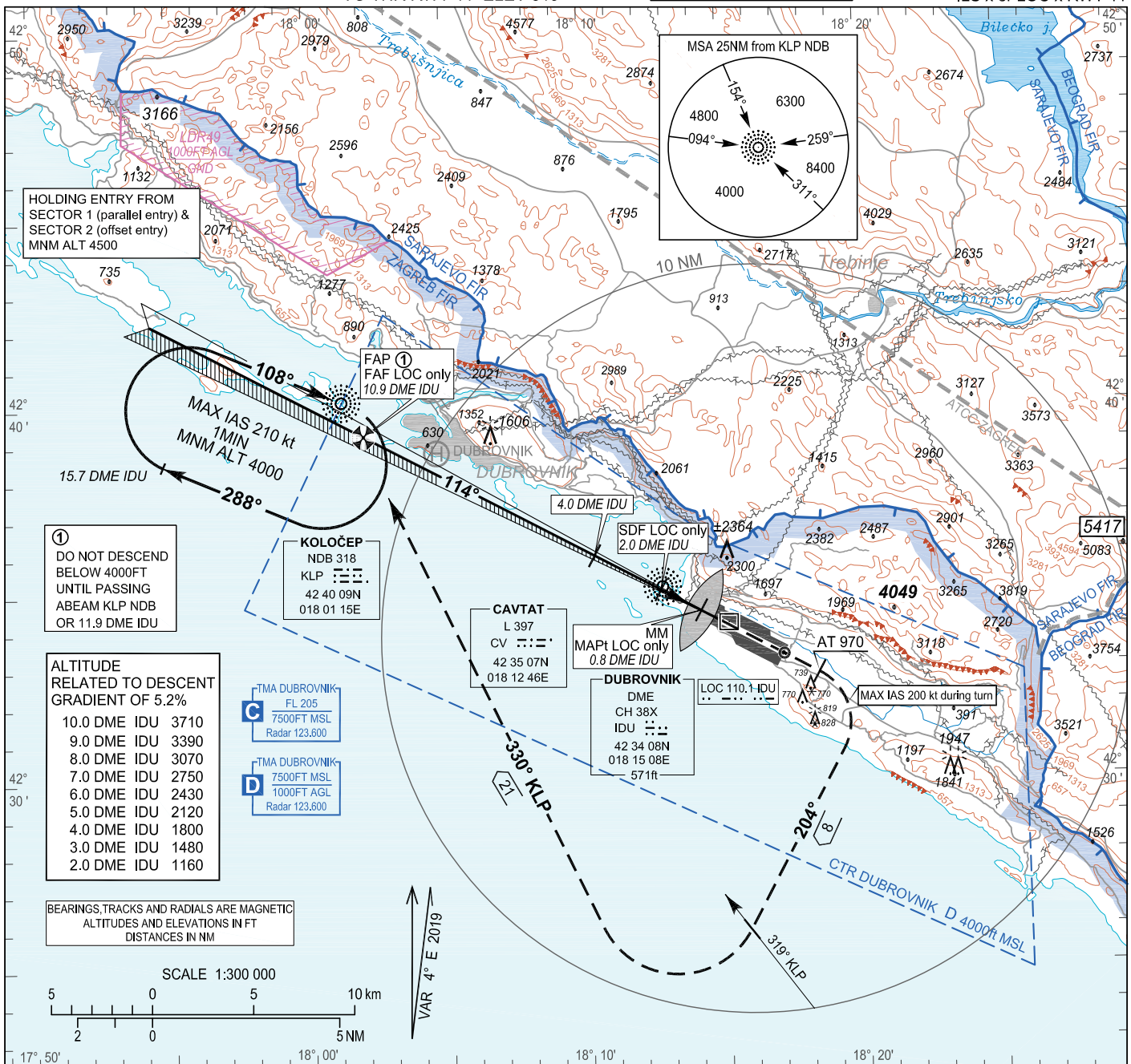
REF AIP: LDDU AD 2

INSTRUMENT APPROACH
CHART-ICAO

AD ELEV 527
HEIGHTS RELATED
TO THR RWY 11 ELEV 519

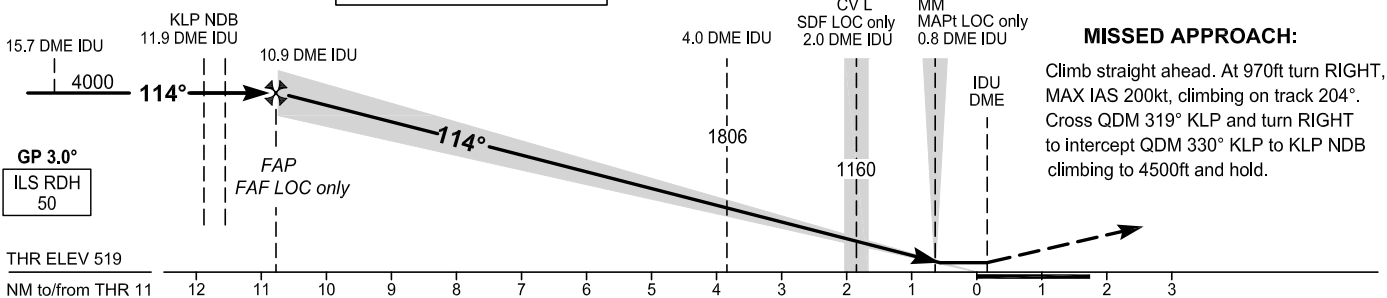
DUBROVNIK ATIS 118.425
DUBROVNIK RADAR 123.600
DUBROVNIK TOWER 129.500

DUBROVNIK / Čilipi
CROATIA
ILS x or LOC x RWY 11



TRANSITION ALT 10 000

OM replaced by 4.0 DME IDU



OCA(H)	A	B	C	D
Straight-in Approach	710 (191)	716 (197)	726 (207)	736 (217)
ILS CAT I press. altim.				
LOC only	870 (351)			

GS(KT)	70	100	120	140	160	180
Rate of descent (ft / min)	372	531	637	743	850	956

DUBROVNIK / Čilipi

CROATIA

ILS x or LOC x RWY 11

AERONAUTICAL DATABASE REQUIREMENTS

Conventional procedure essential fixes/points

ILS x or LOC x RWY11

LOC only - final approach descent angle: 3.01°

Fix identification	Coordinates	True bearing or ARC distance providing track	True bearing or distance providing intersection
IAF (KLP NDB)	See LDDU AD 2.19	-	-
FAF LOC only	42 39 14.2N 018 02 02.1E	118.21° (IDU LOC)	10.93 DME IDU
SDF LOC only	42 35 01.7N 018 12 41.9E	118.21° (IDU LOC)	2.01 DME IDU
MAPt LOC only (MM)	See LDDU AD 2.19	118.21° (IDU LOC)	0.80 DME IDU

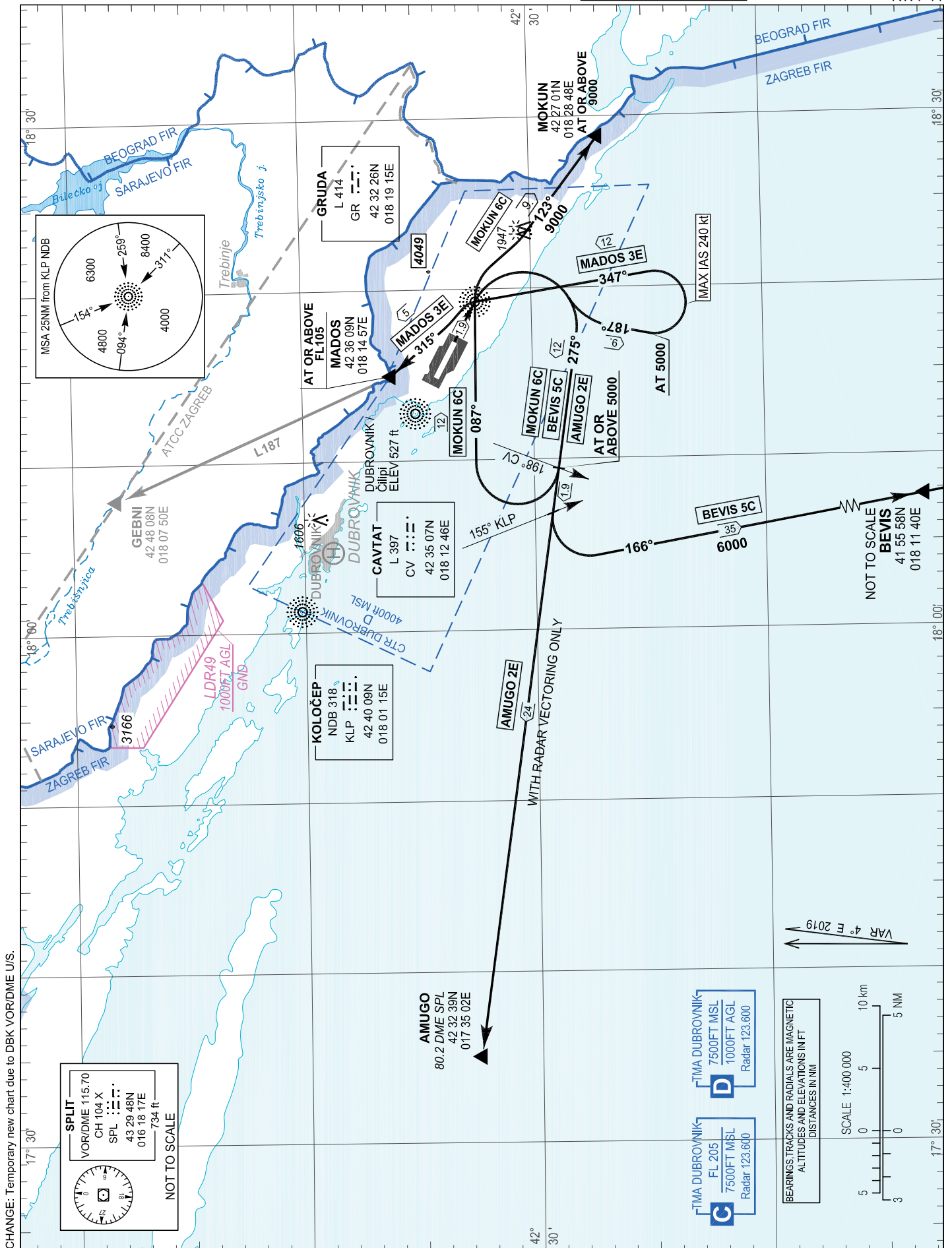
CHANGE: Temporary new chart ILS x or LOC x RWY11 due to DBK VOR/DME U/S.

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS 118.425
DUBROVNIK TOWER 129.500
DUBROVNIK RADAR 123.600

DUBROVNIK / Čilipi
CROATIA
RWY 11



DUBROVNIK / Čilipi

CROATIA

RWY 11

DEPARTING TRAFFIC**Transfer to Dubrovnik Radar**

Pilots of departing aircraft shall remain on TWR frequency until passing 3000 FT AMSL, unless otherwise instructed by ATC. In case of non-standard departure clearance and/or visual departure, pilots are expected to follow instruction "After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ."

SID RWY 11 (Preferential RWY)

Calculation of the SIDs is based on all-engines operative minimum net climb gradient of 5.0 per cent (304 FT/NM).

SID RWY 11 (Preferential RWY)

Designator	Route	After take-off		Remarks
		Climb initially	Contact	
AMUGO 2E	AMUGO TWO ECHO DEPARTURE	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross QDR 198° CV L at or above 5000ft.
	Climb straight ahead. At GR L turn RIGHT on track 275°. After crossing QDR 198° CV L follow ATC radar vector to AMUGO.			
MOKUN 6C	MOKUN SIX CHARLIE DEPARTURE	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross QDR 198° CV L at or above 5000ft. Cross MOKUN at or above 9000 FT.
	Climb straight ahead. At GR L turn RIGHT on track 275°. After crossing QDR 198° CV L, turn RIGHT, intercept QDM 087° GR L climbing to GR L. At GR L turn RIGHT on QDR 123° GR L climbing to MOKUN.			
MADOS 3E	MADOS THREE ECHO DEPARTURE	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross MADOS at or above FL105.
	Climb straight ahead. At GR L turn RIGHT on QDR 187° GR L. At 5000 FT turn LEFT (MAX IAS 240 kt) to intercept QDM 347° GR L climbing to GR L. At GR L turn LEFT on bearing QDR 315° GR L climbing to MADOS.			
BEVIS 5C	BEVIS FIVE CHARLIE DEPARTURE	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	
	Climb straight ahead. At GR L turn RIGHT on track 275°. After crossing QDR 155° KLP, turn LEFT, intercept QDR 166° KLP climbing to BEVIS.			

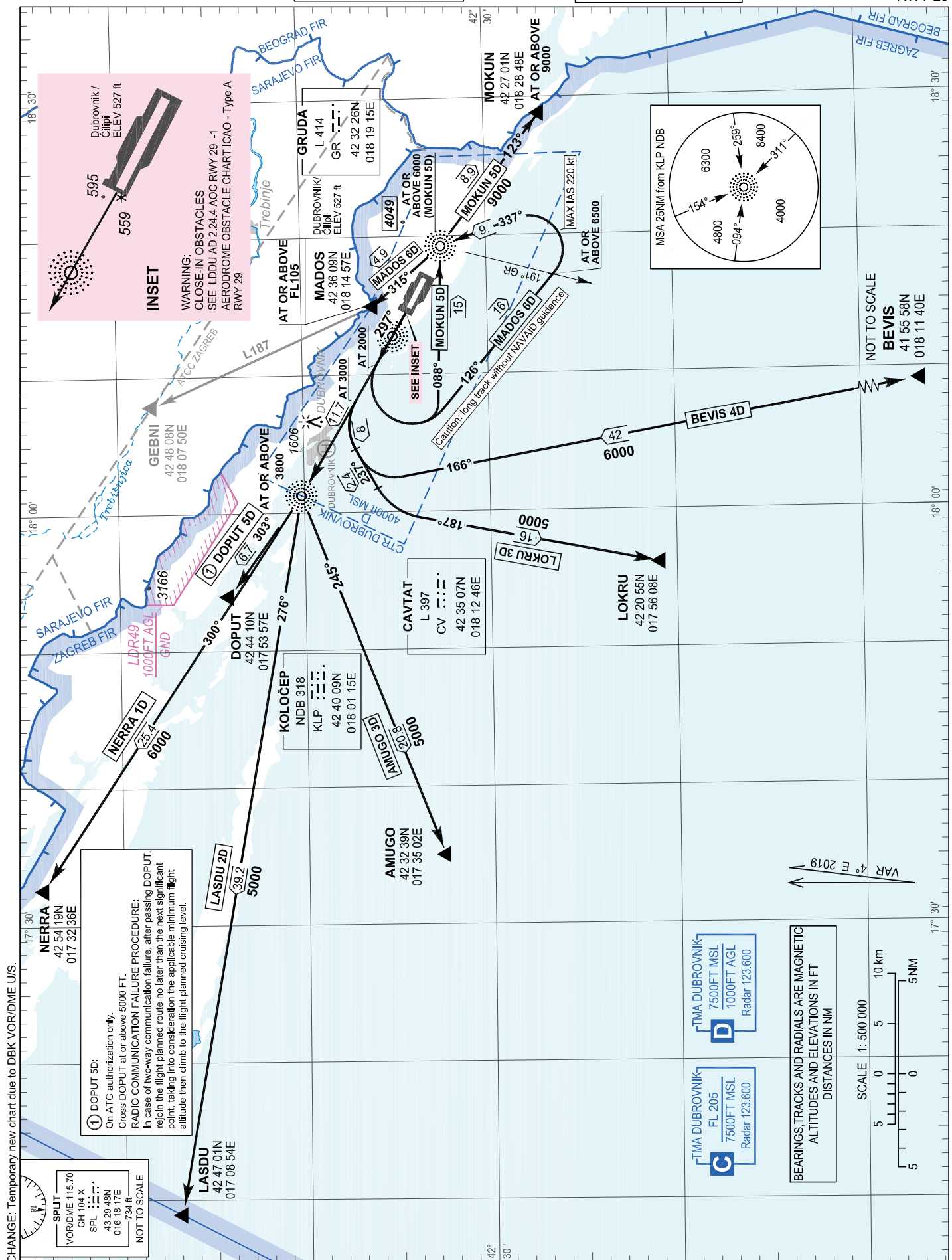
CHANGE: Temporary new chart due to DBK VOR/DME U/S.

AIP HRVATSKA
AIP CROATIA

 STANDARD DEPARTURE CHART
 INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10 000

 DUBROVNIK ATIS 118.425
 DUBROVNIK TOWER 129.500
 DUBROVNIK RADAR 123.600

DUBROVNIK / Čilipi
CROATIA
 RWY 29


DUBROVNIK / Čilipi
CROATIA
RWY 29

DEPARTING TRAFFIC				
Transfer to Dubrovnik Radar				
Pilots of departing aircraft shall remain on TWR frequency until passing 3000 FT AMSL, unless otherwise instructed by ATC.				
In case of non-standard departure clearance and/or visual departure, pilots are expected to follow instruction “After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.”				
SID RWY 29				
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 is necessary this is indicated in the description of the route.				
WARNING: Close-in obstacles. See LDDU AD 2.24.4 AOC RWY 29 -1, Aerodrome Obstacle Chart - ICAO Type A, regarding obstacle number 4 and significant obstacle shown on the plan view of the chart at the distance 556 M (0.3 NM) in the northwest direction from DER with related altitude of 181.3 M (595 FT).				
When RWY 29 is in use, for deconfliction purposes between departing and arriving traffic, preferential SID is DOPUT 5D.				
Expect vectors or direct routing by Dubrovnik Radar back to FPL route				
SID RWY 29				
Designator	Route	After take-off		Remarks
		Climb initially	Contact	
DOPUT 5D	DOPUT FIVE DELTA DEPARTURE Climb to KLP NDB. At KLP NDB continue climbing on bearing QDR 303° KLP to DOPUT.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	On ATC authorization only. Cross KLP NDB at or above 3800 FT. Cross DOPUT at or above 5000 FT. DOPUT 5D is the preferential SID.
	RADIO COMMUNICATION FAILURE PROCEDURE: In case of two-way communication failure, after passing DOPUT, rejoin the flight planned route no later than the next significant point, taking into consideration the applicable minimum flight altitude then climb to the flight planned cruising level.			
NERRA 1D (Only for traffic destination LDSP, below FL145)	NERRA ONE DELTA DEPARTURE Climb to KLP NDB. At KLP NDB continue climbing on bearing QDR 300° KLP to NERRA.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross KLP NDB at or above 3800 FT.
LASDU 2D	LASDU TWO DELTA DEPARTURE Climb straight ahead. At KLP NDB turn LEFT on track QDR 276° KLP, climbing to LASDU.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross KLP NDB at or above 3800 FT.
AMUGO 3D	AMUGO THREE DELTA DEPARTURE Climb straight ahead. At KLP NDB turn LEFT on track QDR 245° KLP, climbing to AMUGO.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross KLP NDB at or above 3800 FT.
LOKRU 3D	LOKRU THREE DELTA DEPARURE MNM climb gradient 5.0%. Climb straight ahead on track 297°. At 3000 FT turn LEFT, on track 237°, intercept QDR 187° KLP climbing to LOKRU.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	
MOKUN 5D	MOKUN FIVE DELTA DEPARTURE MNM climb gradient 5.0%. Climb straight ahead on track 297°. At 2000 FT turn LEFT, intercept QDM 088° GR L climbing to GR L. At GR L turn RIGHT on QDR 123° GR L climbing to MOKUN.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	Cross GR L at or above 6000 FT. Cross MOKUN at or above 9000 FT.
MADOS 6D	MADOS SIX DELTA DEPARTURE MNM climb gradient 5.0%. Climb straight ahead on track 297°. At 2000 FT turn LEFT to intercept track 126° ⁽¹⁾ . Cross QDR 191° GR L, turn LEFT (MAX IAS 220 KT) to intercept QDM 337° GR L climbing to GR L. At GR L turn LEFT on QDR 315° GR L climbing to MADOS.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	⁽¹⁾ Caution: long track without NAVAID guidance. Cross QDR 191° GR L at or above 6500 FT. Cross MADOS at or above FL105.
BEVIS 4D	BEVIS FOUR DELTA DEPARTURE MNM climb gradient 5.0%. Climb straight ahead on track 297°. At 3000 FT turn LEFT on track 237°. Intercept bearing QDR 166° KLP climbing to BEVIS.	8000 FT	After passing 3000 FT AMSL, contact Dubrovnik Radar on 123.600 MHZ.	

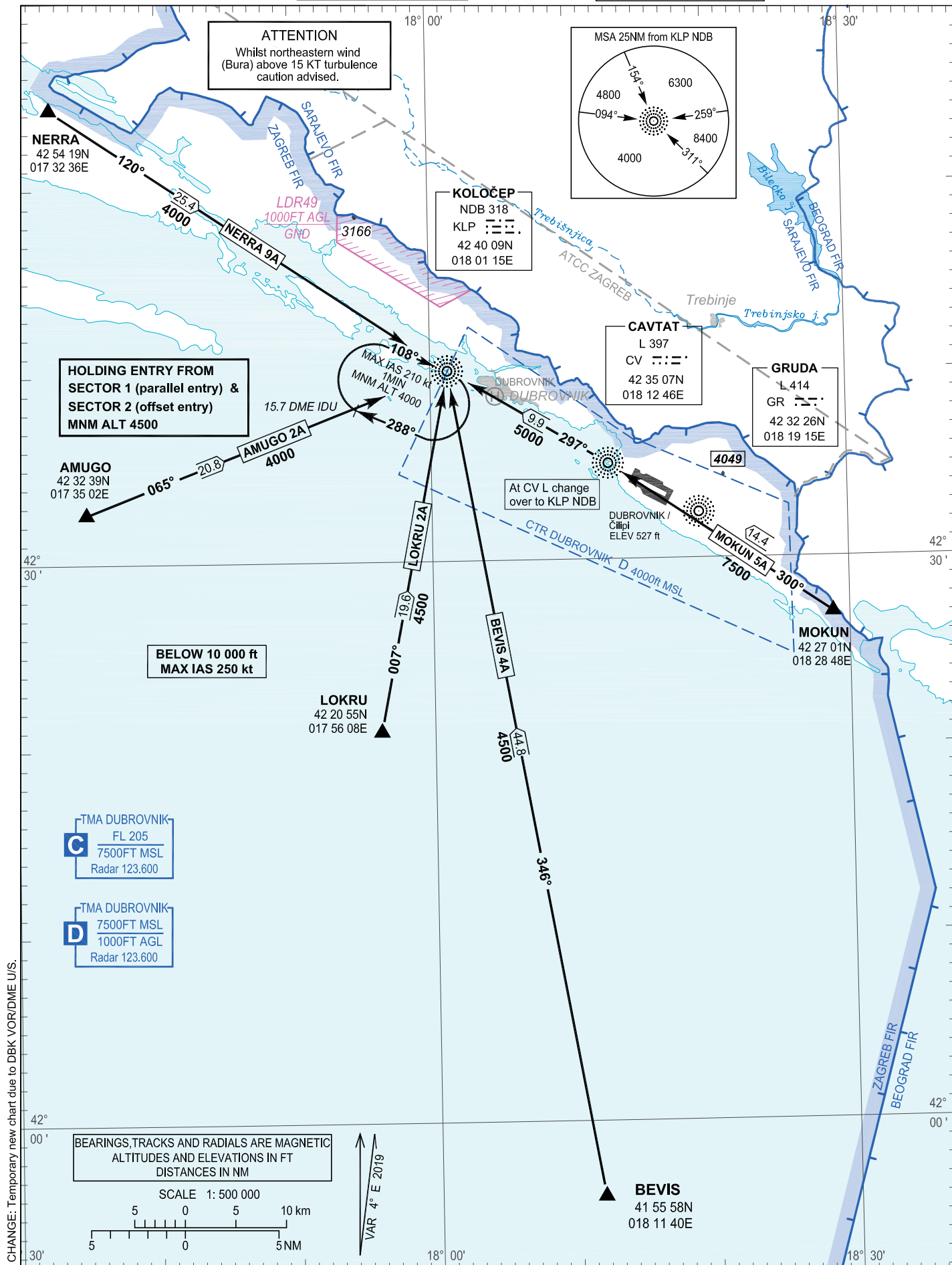
CHANGE: Temporary new chart due to DBK VOR/DME U/S.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION ALTITUDE
10 000

DUBROVNIK ATIS 118.425
DUBROVNIK RADAR 123.600
DUBROVNIK TOWER 129.500

DUBROVNIK / Čilipi
CROATIA
RWY 11/29



DUBROVNIK / Čilipi

CROATIA

RWY 11/29

LDDU STAR RWY 11/29				
Designator	Route	Descend	Contact	Remarks
NERRA 9A	NERRA NINE ALPHA ARRIVAL From NERRA proceed on QDM 120° KLP to KLP NDB (MNM ALT 4000 ft) and hold.	As cleared by ATC		
MOKUN 5A	MOKUN FIVE ALPHA ARRIVAL From MOKUN proceed on bearing QDM 300° CV L to CV L (MNM ALT 7500FT). After crossing CV L intercept and follow QDM 297° KLP to KLP NDB (MNM ALT 5000FT) and hold.	As cleared by ATC		HOLDING ENTRY FROM SECTOR 1 (parallel entry) & SECTOR 2 (offset entry) MNM ALT 4500FT
BEVIS 4A	BEVIS FOUR ALPHA ARRIVAL From BEVIS proceed on bearing QDM 346° KLP (MNM ALT 4500FT) to KLP NDB and hold.	As cleared by ATC		
LOKRU 2A	LOKRU TWO ALPHA ARRIVAL From LOKRU proceed on QDM 007° KLP to KLP NDB (MNM ALT 4500FT) and hold.	As cleared by ATC		
AMUGO 2A	AMUGO TWO ALPHA ARRIVAL From AMUGO proceed on QDM 065° KLP to KLP NDB (MNM ALT 4000FT) and hold.	As cleared by ATC		
CHANGE: Temporary new chart due to DBK VOR/DME U/S.				