Page 1
Changed chart(s) since Disc 22-2010
ADD = Added chart, REV = Revised chart, DEL = Deleted chart.

ACT	PROCEDURE IDENT	INDEX	REV DATE	EFF DATE

No revision activity since Disc 22-2010

TERMINAL CHART NOTAMs

No Chart NOTAMs for Airport LRCK

General Info
Constanta, ROU
N 44° 21.7' E 28° 29.3' Mag Var: 4.1°E
Elevation: 353'

Public, IFR, Control Tower, Customs, Landing Fee
Fuel: Jet A-1

Time Zone Info: GMT+2:00 uses DST

Runway Info
Runway 18-36 11483' x 148' concrete

Runway 18 (181.0°M) TDZE 353'
  Lights: Edge, ALS, Centerline
Runway 36 (1.0°M) TDZE 315'
  Lights: Edge, ALS, Centerline, TDZ

Communications Info
ATIS **118.75**
Constanta Tower **120.45**
Constanta Approach Control **127.35**
Constanta Approach Control **122.9**

Notebook Info

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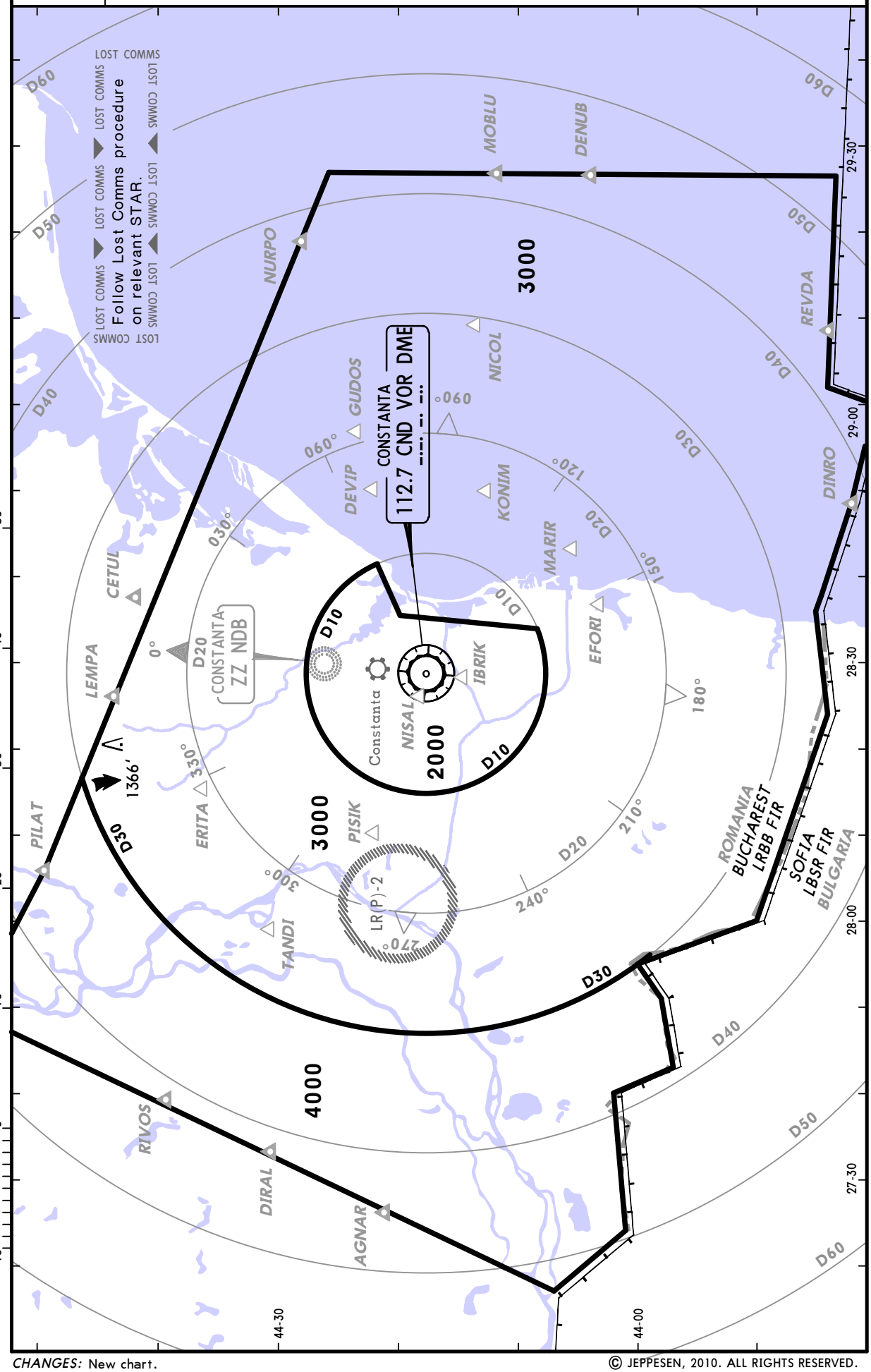
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN
20 AUG 10 (10-1R) Eff 26 Aug

CONSTANTA, ROMANIA
RADAR MINIMUM ALTITUDES

Apt Elev 353′

Alt Set: hPa Trans level: By ATC Trans alt: 3000′
This chart may only be used for cross-checking of altitudes assigned while under radar control.



CHANGES: New chart.

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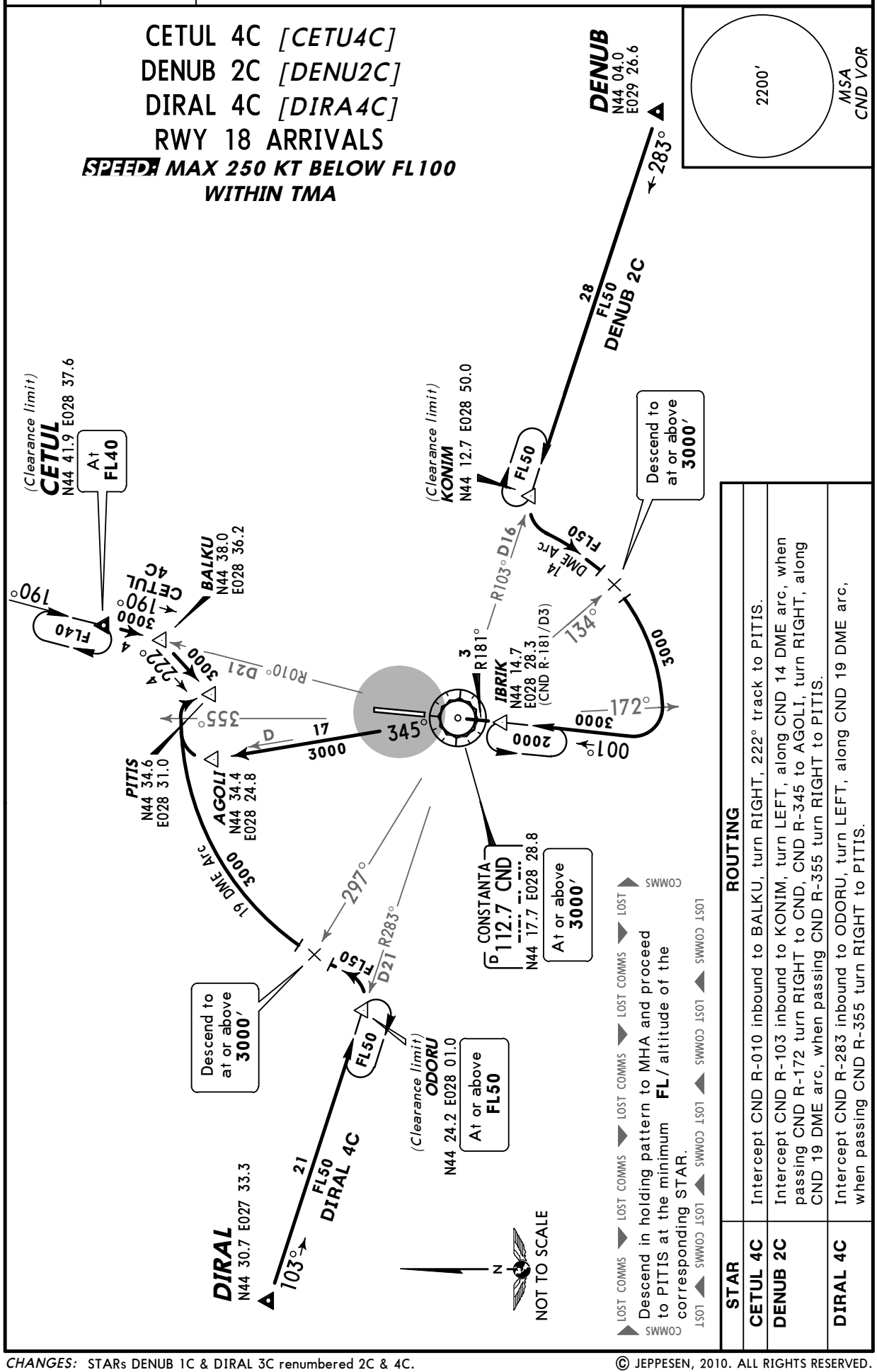
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-2) Eff 21 Oct

CONSTANTA, ROMANIA
STAR

ATIS	Apt Elev	
118.75	353′	Alt Set: hPa Trans level: By ATC Trans alt: 3000′ STARs are also noise abatement procedures. Strict adherence within the limits of aircraft performance is mandatory.



ROUTING

STAR	
CETUL 4C	Intercept CND R-010 inbound to BALKU, turn RIGHT, 222° track to PITIS.
DENUB 2C	Intercept CND R-103 inbound to KONIM, turn LEFT, along CND 14 DME arc, when passing CND R-172 turn RIGHT to CND, CND R-345 to AGOLI, turn RIGHT, along CND 19 DME arc, when passing CND R-355 turn RIGHT to PITIS.
DIRAL 4C	Intercept CND R-283 inbound to ODORU, turn LEFT, along CND 19 DME arc, when passing CND R-355 turn RIGHT to PITIS.

CHANGES: STARs DENUB 1C & DIRAL 3C renumbered 2C & 4C.

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LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

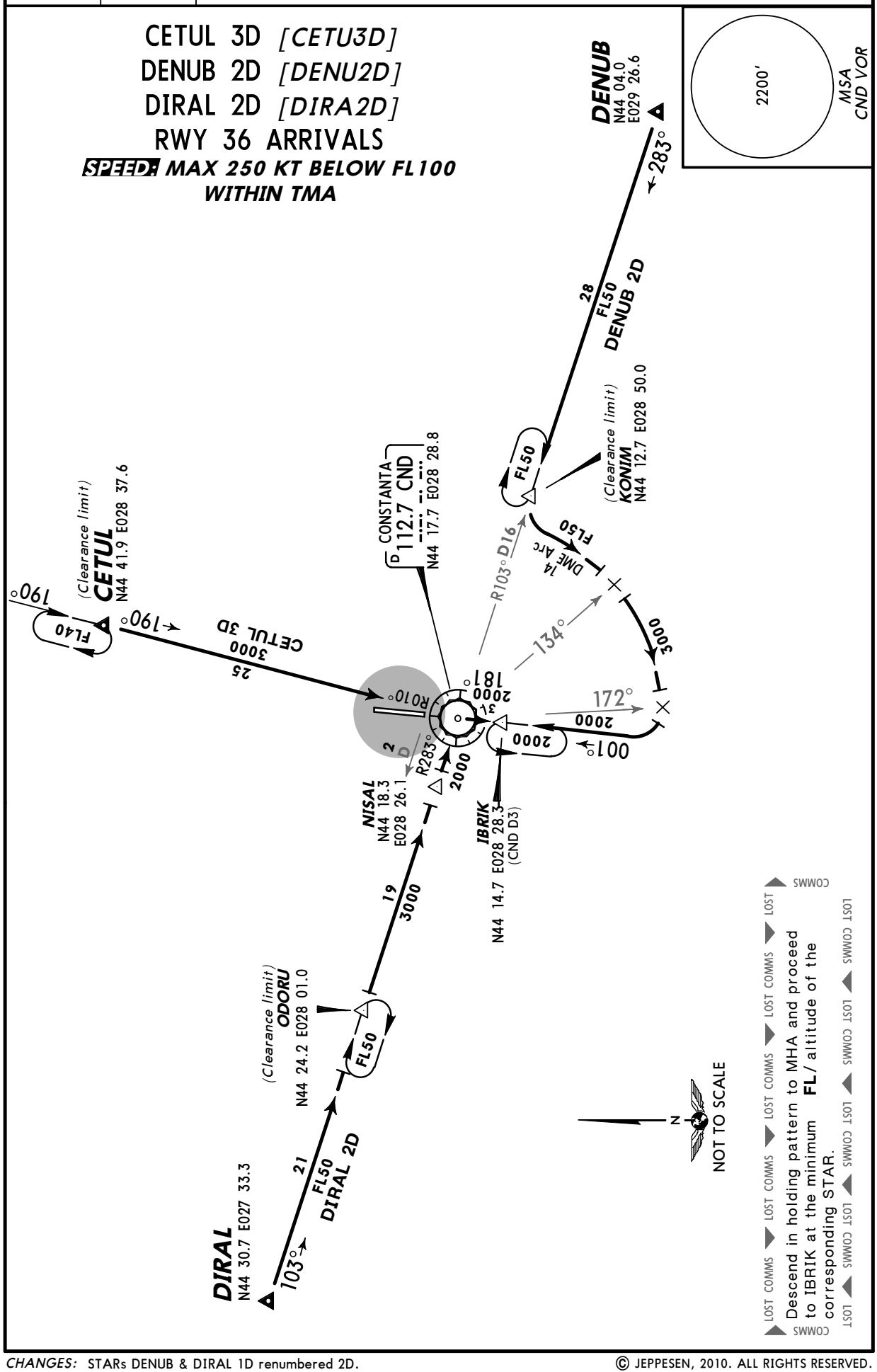
JEPPESEN 8 OCT 10 (10-2A) Eff 21 Oct

CONSTANTA, ROMANIA
STAR

ATIS	Apt Elev	
118.75	353′	Alt Set: hPa Trans level: By ATC Trans alt: 3000′ STARs are also noise abatement procedures. Strict adherence within the limits of aircraft performance is mandatory.

CETUL 3D *[CETU3D]*
DENUB 2D *[DENU2D]*
DIRAL 2D *[DIRA2D]*
RWY 36 ARRIVALS

SPEED: MAX 250 KT BELOW FL100 WITHIN TMA



CHANGES: STARs DENUB & DIRAL 1D renumbered 2D.

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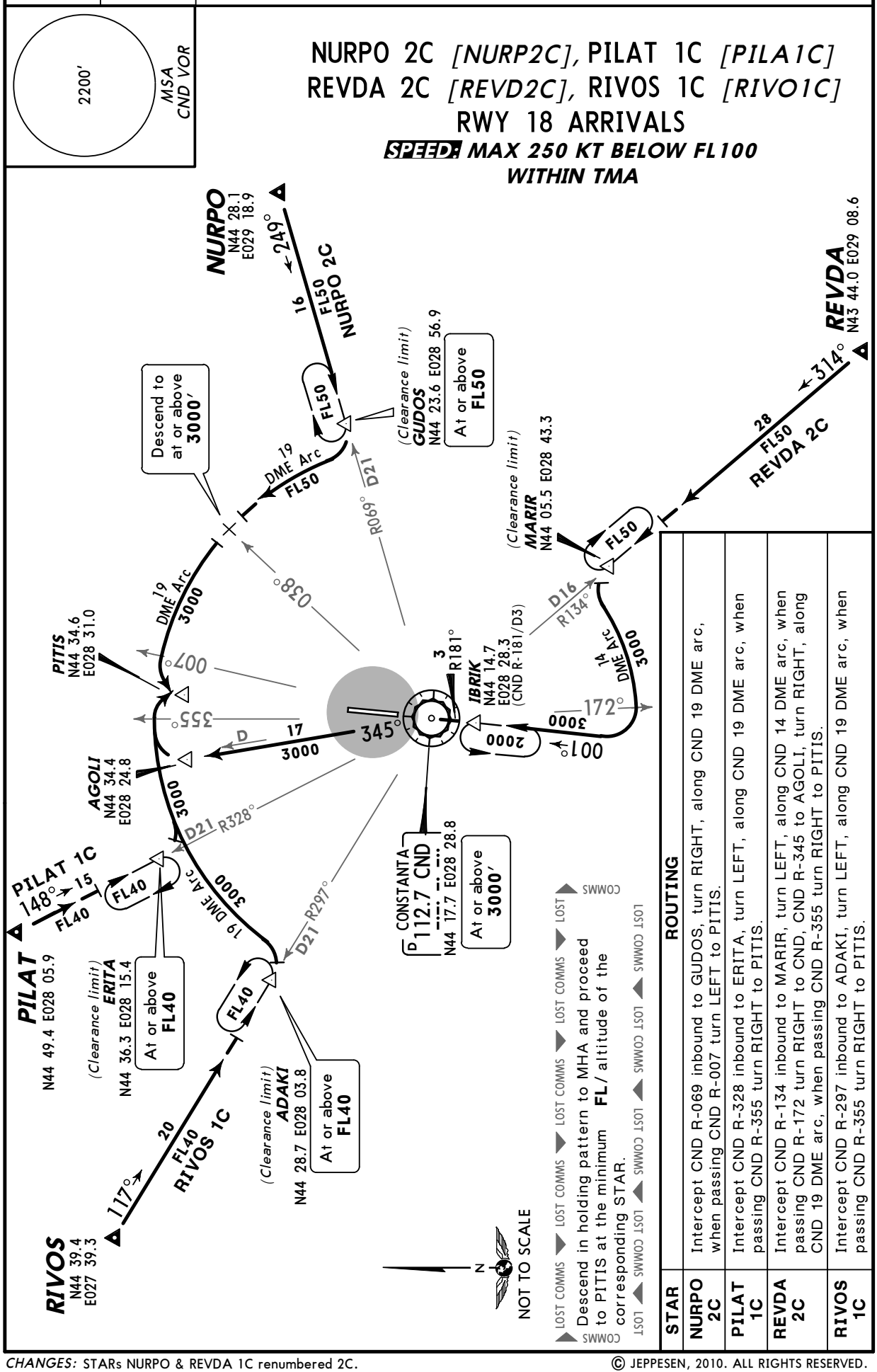
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-2B) Eff 21 Oct

CONSTANTA, ROMANIA
STAR

ATIS	Apt Elev
118.75	353′

Alt Set: hPa Trans level: By ATC Trans alt: 3000′
STARs are also noise abatement procedures. Strict adherence within the limits of aircraft performance is mandatory.



STAR	ROUTING
NURPO 2C	Intercept CND R-069 inbound to GUDOS, turn RIGHT, along CND 19 DME arc, when passing CND R-007 turn LEFT to PITIS.
PILAT 1C	Intercept CND R-328 inbound to ERITA, turn LEFT, along CND 19 DME arc, when passing CND R-355 turn RIGHT to PITIS.
REVDA 2C	Intercept CND R-134 inbound to MARIR, turn LEFT, along CND 14 DME arc, when passing CND R-172 turn RIGHT to CND, CND R-345 to AGOLI, turn RIGHT, along CND 19 DME arc, when passing CND R-355 turn RIGHT to PITIS.
RIVOS 1C	Intercept CND R-297 inbound to ADAKI, turn LEFT, along CND 19 DME arc, when passing CND R-355 turn RIGHT to PITIS.

CHANGES: STARs NURPO & REVDA 1C renumbered 2C.

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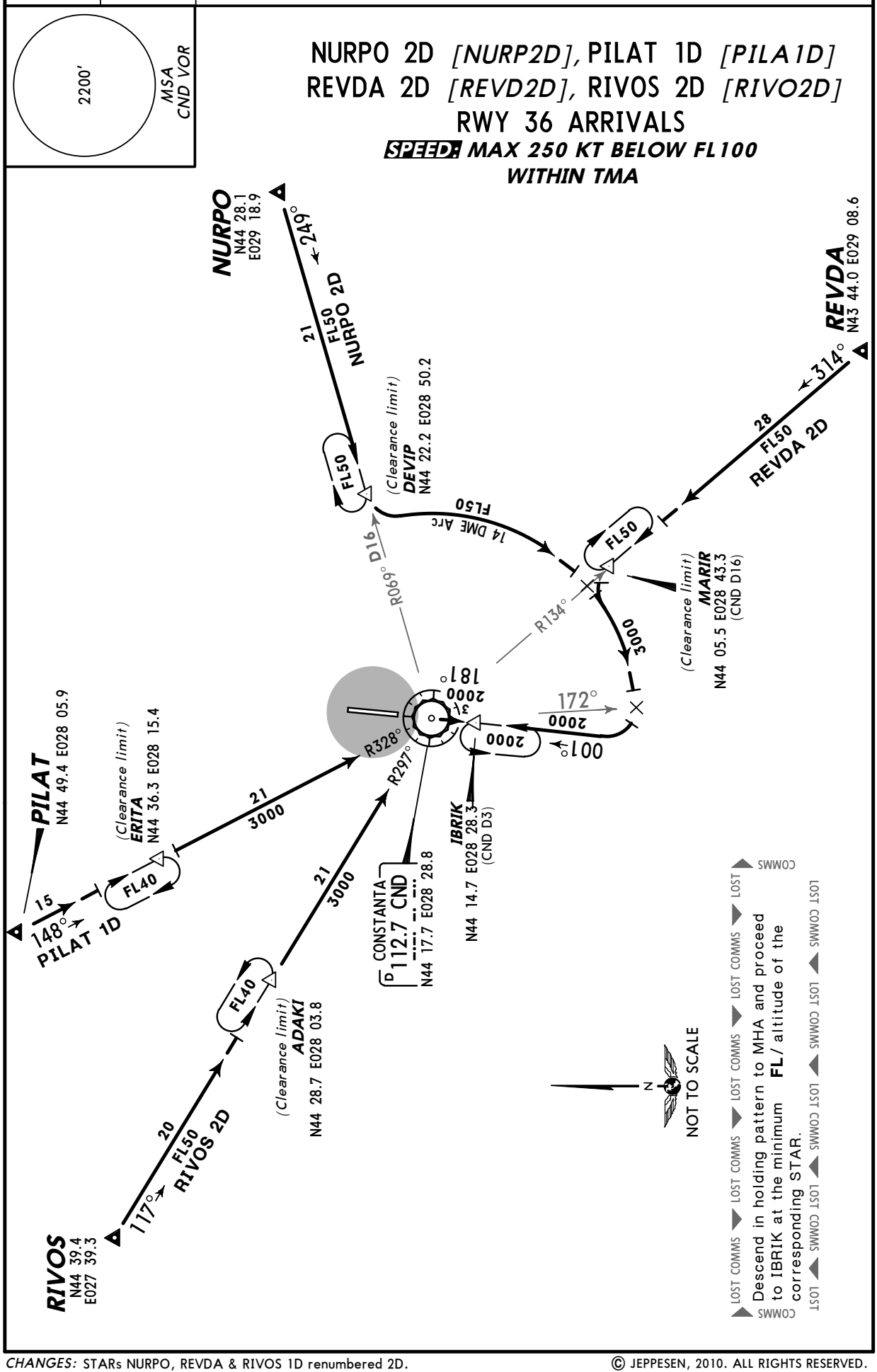
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-2C) Eff 21 Oct

CONSTANTA, ROMANIA
STAR

ATIS	Apt Elev
118.75	353′

Alt Set: hPa Trans level: By ATC Trans alt: 3000′
STARs are also noise abatement procedures. Strict adherence within the limits of aircraft performance is mandatory.



CHANGES: STARs NURPO, REVDA & RIVOS 1D renumbered 2D.

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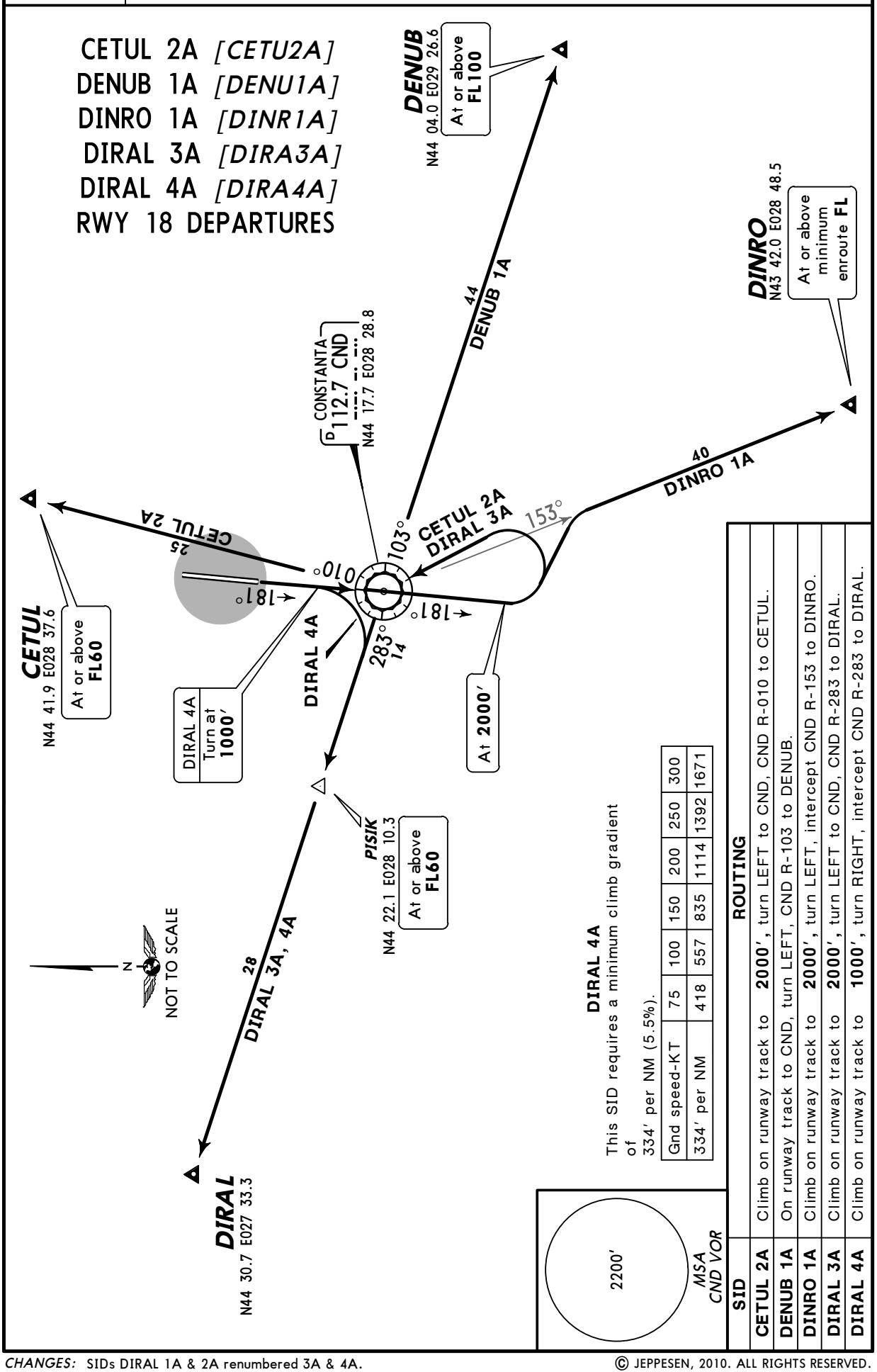
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-3) Eff 21 Oct

CONSTANTA, ROMANIA
SID

Apt Elev 353′	Trans level: By ATC Trans alt: 3000′ SIDs are also noise abatement routings. Strict adherence within the limits of performance criteria is mandatory.



CHANGES: SIDs DIRAL 1A & 2A renumbered 3A & 4A.

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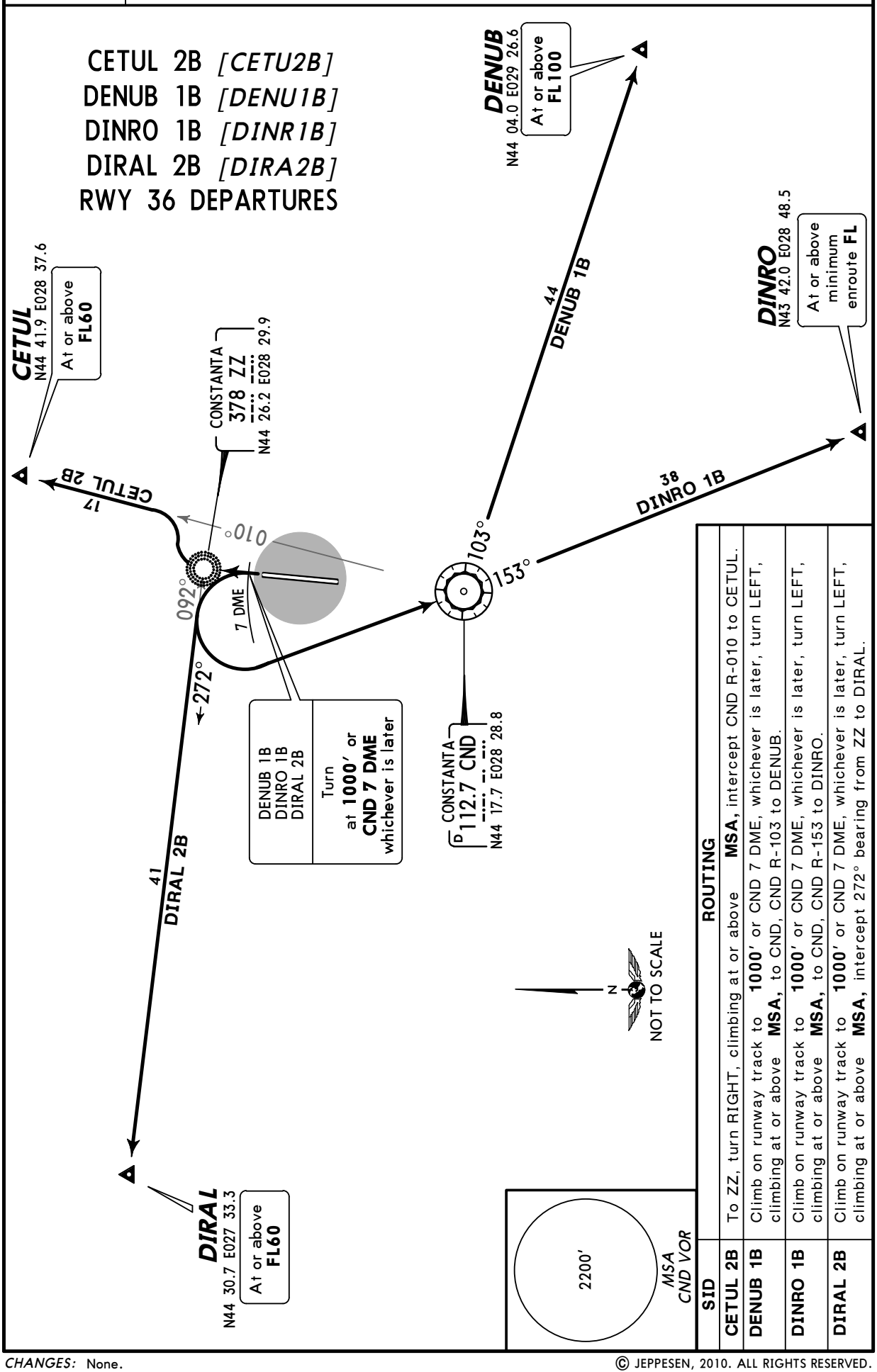
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-3A) Eff 21 Oct

CONSTANTA, ROMANIA
SID

Apt Elev 353′	Trans level: By ATC Trans alt: 3000′ SIDs are also noise abatement routings. Strict adherence within the limits of performance criteria is mandatory.



SID	ROUTING
CETUL 2B	To ZZ, turn RIGHT, climbing at or above **MSA,** intercept CND R-010 to CETUL.
DENUB 1B	Climb on runway track to **1000′** or CND 7 DME, whichever is later, turn LEFT, climbing at or above **MSA,** to CND, CND R-103 to DENUB.
DINRO 1B	Climb on runway track to **1000′** or CND 7 DME, whichever is later, turn LEFT, climbing at or above **MSA,** to CND, CND R-153 to DINRO.
DIRAL 2B	Climb on runway track to **1000′** or CND 7 DME, whichever is later, turn LEFT, climbing at or above **MSA,** intercept 272° bearing from ZZ to DIRAL.

CHANGES: None.

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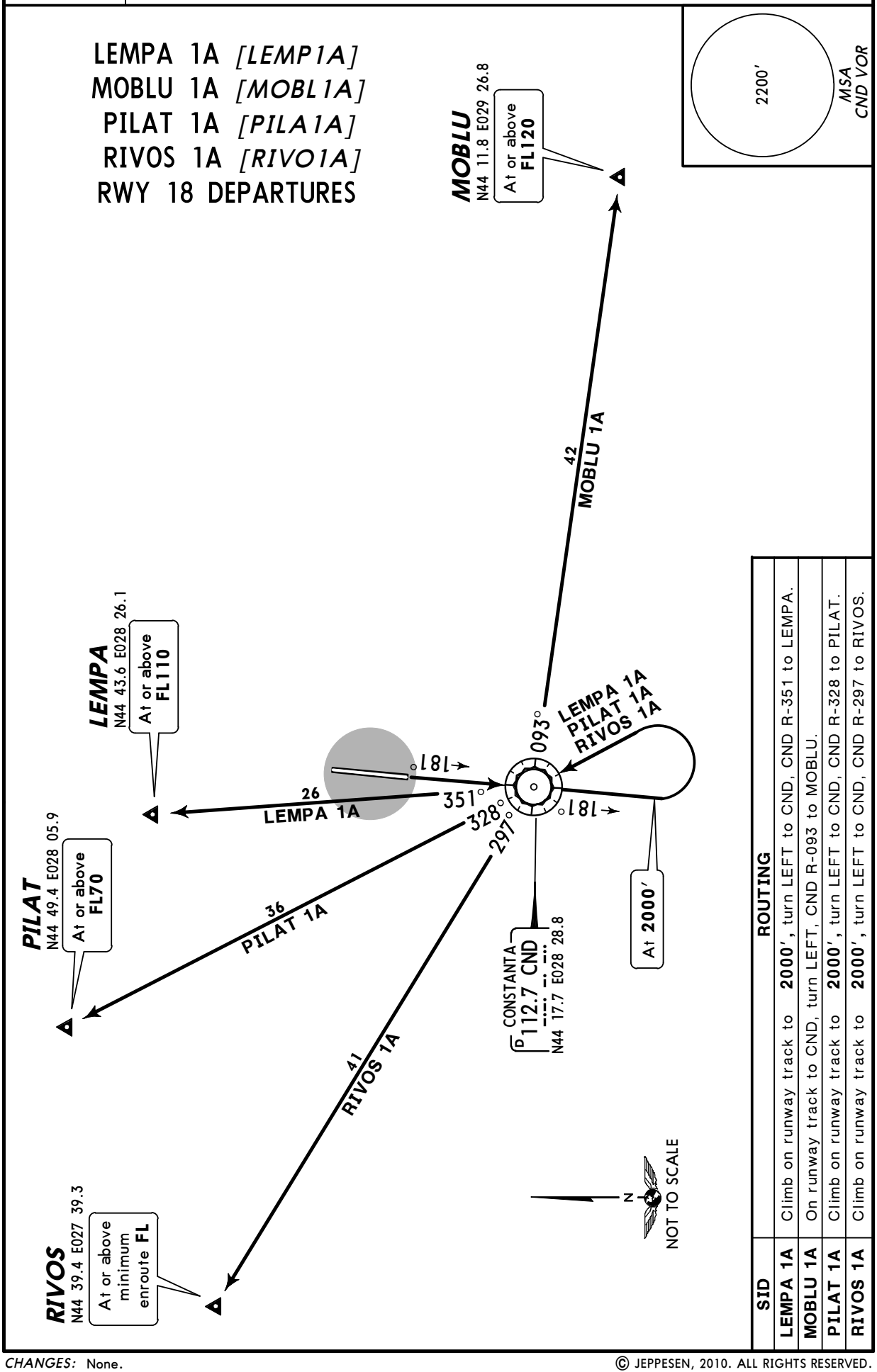
LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-3B) Eff 21 Oct

CONSTANTA, ROMANIA
SID

Apt Elev 353′	Trans level: By ATC Trans alt: 3000′ SIDs are also noise abatement routings. Strict adherence within the limits of performance criteria is mandatory.



SID	ROUTING
LEMPA 1A	Climb on runway track to **2000′**, turn LEFT to CND, CND R-351 to LEMPA.
MOBLU 1A	On runway track to CND, turn LEFT, CND R-093 to MOBLU.
PILAT 1A	Climb on runway track to **2000′**, turn LEFT to CND, CND R-328 to PILAT.
RIVOS 1A	Climb on runway track to **2000′**, turn LEFT to CND, CND R-297 to RIVOS.

CHANGES: None.

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LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 8 OCT 10 (10-3C) Eff 21 Oct

CONSTANTA, ROMANIA
SID

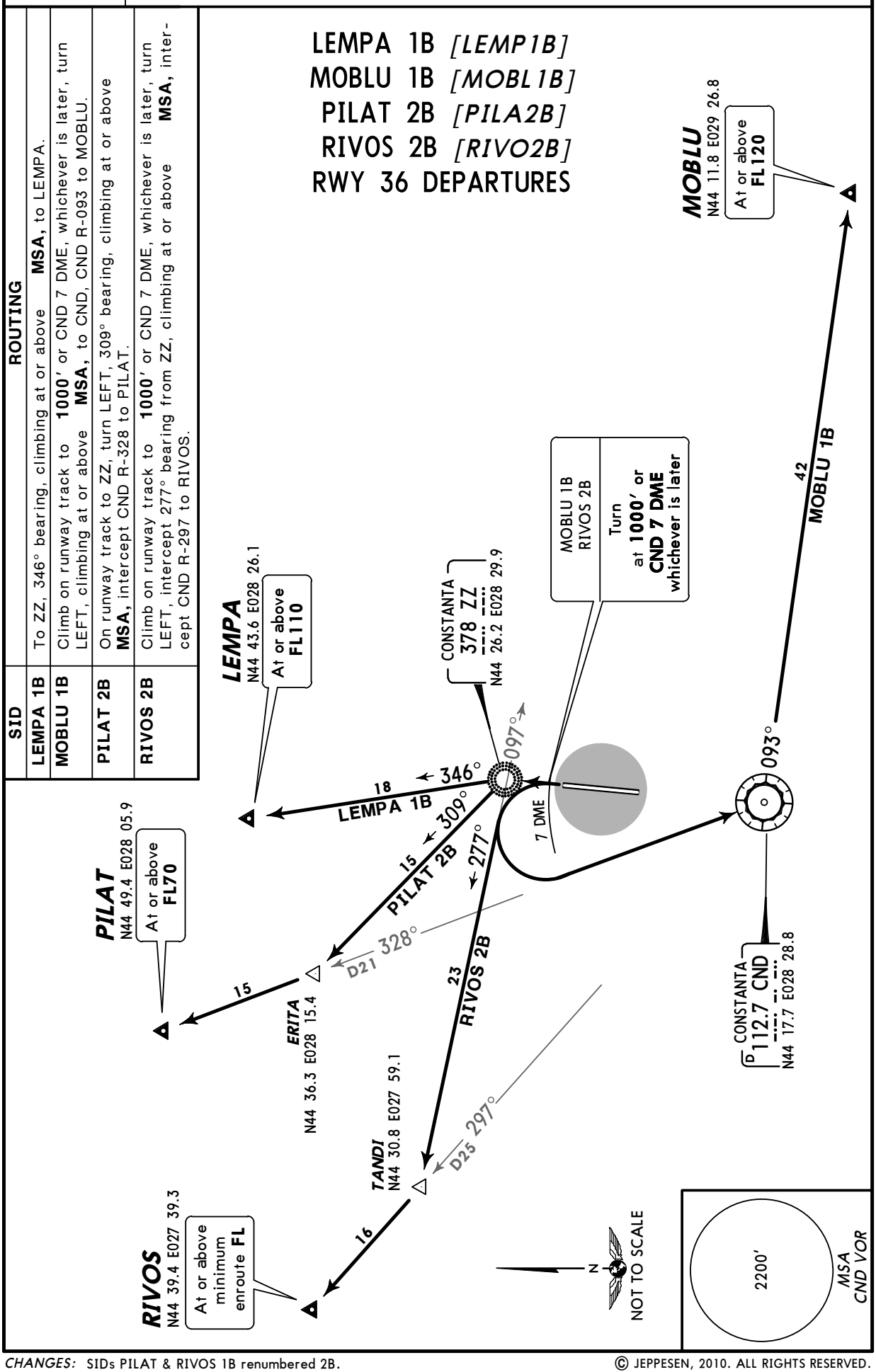
Apt Elev
353′

Trans level: By ATC Trans alt: 3000′
SIDs are also noise abatement routings. Strict adherence within the limits of performance criteria is mandatory.

LEMPA 1B *[LEMP1B]*
MOBLU 1B *[MOBL1B]*
PILAT 2B *[PILA2B]*
RIVOS 2B *[RIVO2B]*
RWY 36 DEPARTURES

ROUTING

SID	
LEMPA 1B	To ZZ, 346° bearing, climbing at or above **MSA,** to LEMPA.
MOBLU 1B	Climb on runway track to **1000′** or CND 7 DME, whichever is later, turn LEFT, climbing at or above **MSA,** to CND, CND R-093 to MOBLU.
PILAT 2B	On runway track to ZZ, turn LEFT, 309° bearing, climbing at or above **MSA,** intercept CND R-328 to PILAT.
RIVOS 2B	Climb on runway track to **1000′** or CND 7 DME, whichever is later, turn LEFT, intercept 277° bearing from ZZ, climbing at or above **MSA,** intercept CND R-297 to RIVOS.



CHANGES: SIDs PILAT & RIVOS 1B renumbered 2B.

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LRCK/CND

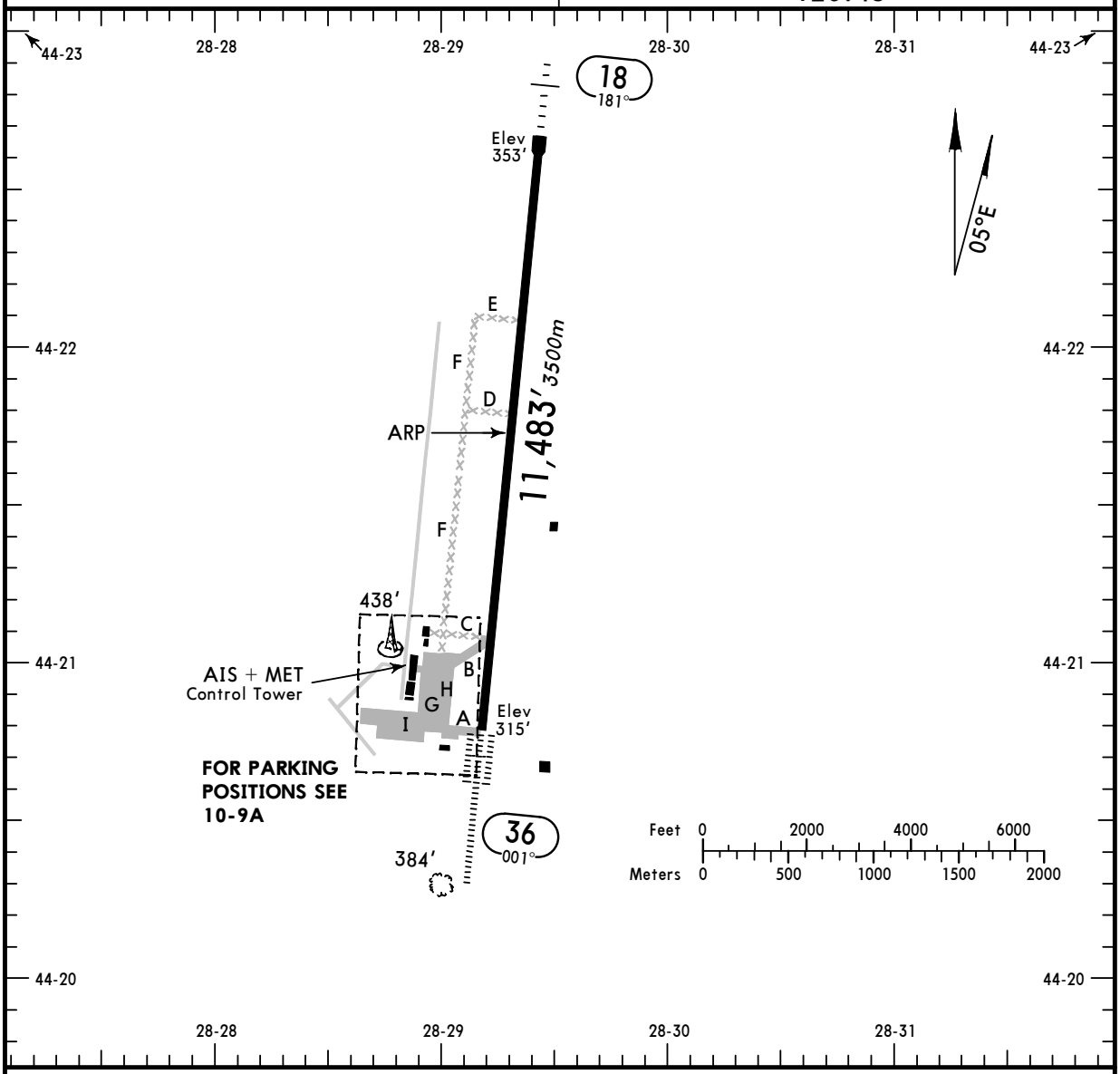
Apt Elev **353′**
N44 21.7 E028 29.3

JEPPESEN
20 AUG 10
Eff 26 Aug
(10-9)

CONSTANTA, ROMANIA

MIHAIL KOGALNICEANU-CONSTANTA

ATIS	CONSTANTA Tower
118.75	120.45



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS LANDING BEYOND Threshold	Glide Slope	TAKE-OFF	WIDTH
18	HIRL *(60m)* CL *(30m)* HIALS PAPI-L (3.0°) RVR				148′ *45m*
36	HIRL *(60m)* CL *(30m)* HIALS-II TDZ PAPI-L ❶ RVR		10,278′ *3133m*	❷	

❶ (angle 2.5°)
❷ TAKE-OFF RUN AVAILABLE
RWY 36: From rwy head 11,483′ (3500m)
twy B int 9350′ (2850m)

Standard TAKE-OFF ❶

	LVP must be in force				
	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A	*150m*	*200m*	*250m*	*400m*	*500m*
B					
C					
D	*200m*	*250m*	*300m*		

❶ Operators applying U.S. Ops Specs: CL required below 300m.

CHANGES: Lights.

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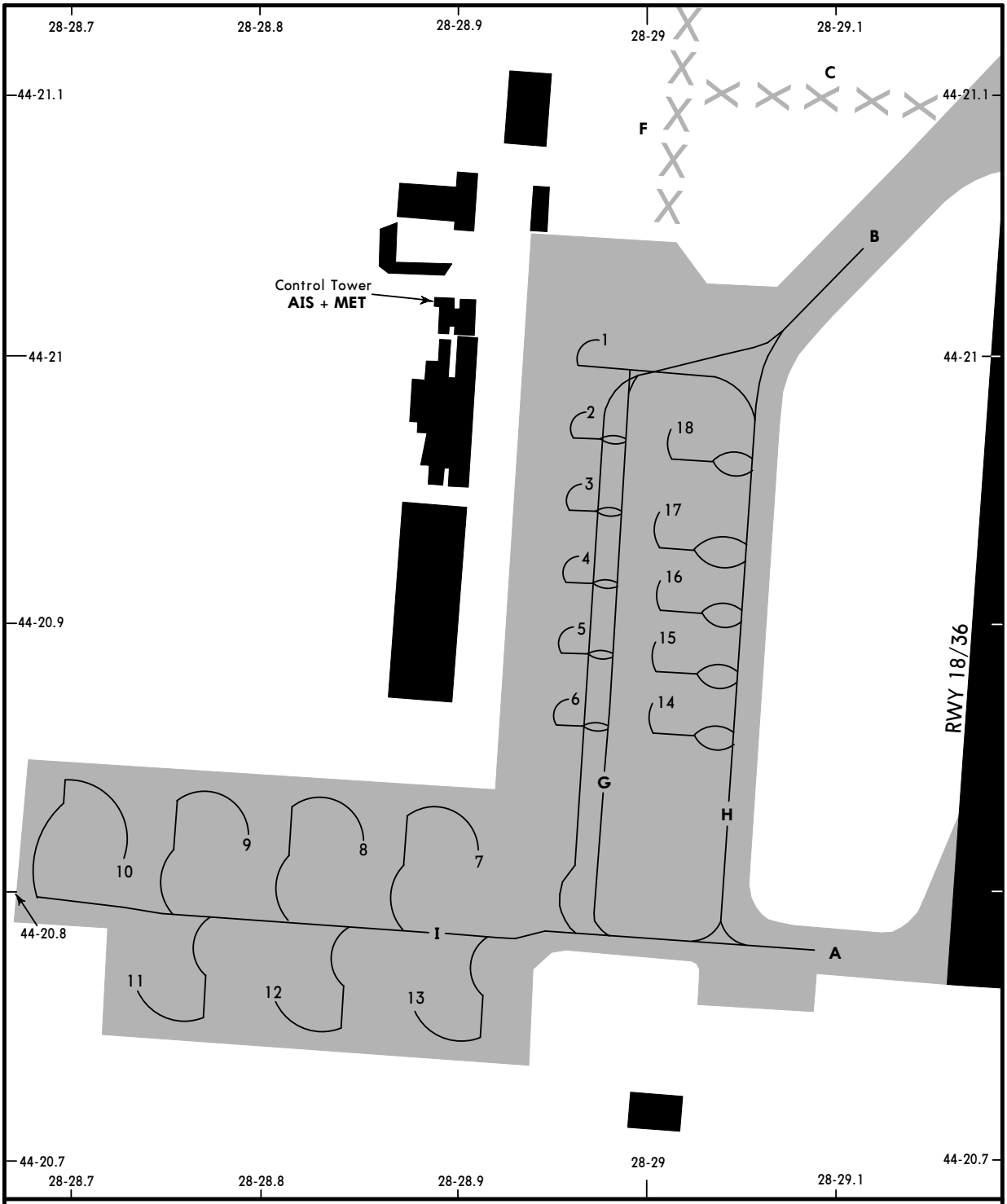
LRCK/CND

JEPPESEN
20 AUG 10
Eff 26 Aug
10-9A

CONSTANTA, ROMANIA

MIHAIL KOGALNICEANU-CONSTANTA



INS COORDINATES

STAND No.	COORDINATES	STAND No.	COORDINATES
1 thru 3	N44 21.0 E028 29.0	14 thru 16	N44 20.9 E028 29.0
4 thru 6	N44 20.9 E028 29.0	17, 18	N44 21.0 E028 29.0
7, 8	N44 20.8 E028 28.9		
9 thru 12	N44 20.8 E028 28.8		
13	N44 20.8 E028 28.9		

CHANGES: INS coordinates.

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STANDARD TAXI ROUTES

ARRIVAL INFORMATION

	Standard Taxi Route	Stand No.	Twy to be followed	Remarks
Arrival on Rwy 36 (Turn around in turning bay at THR 18 for acft CAT C an D)	Arrival 36AI	7 - 13	TWY A - TWY I	
	Arrival 36AG	1 - 6	TWY A - TWY G	CAT A & B only
	Arrival 36BG	1 - 6	TWY B - TWY G	CAT A & B only
	Arrival 36BGI	7 - 13	TWY B - TWY G - TWY I	CAT A & B only
	Arrival 36AH	14 - 18	TWY A - TWY H	
	Arrival 36BH	14 - 18	TWY B - TWY H	
	Arrival 36BHI	7 - 13	TWY B - TWY H - TWY I	
Arrival on Rwy 18	Arrival 18AI	7 - 13	TWY A - TWY I	
	Arrival 18AG	1 - 6	TWY A - TWY G	CAT A & B only
	Arrival 18BG	1 - 6	TWY B - TWY G	CAT A & B only
	Arrival 18BGI	7 - 13	TWY B - TWY G - TWY I	CAT A & B only
	Arrival 18AH	14 - 18	TWY A - TWY H	
	Arrival 18BH	14 - 18	TWY B - TWY H	
	Arrival 18BHI	7 - 13	TWY B - TWY H - TWY I	

DEPARTURE INFORMATION

Departure from Stand No.	Instruction given by ATC			Twy to be followed	Remarks
	Standard Taxi Route	To holding position			
1 - 6	Departure GA	A	Rwy 36	TWY G - TWY A	CAT A & B only
	Departure GB	B		TWY G - TWY B turn RIGHT taxi to the end of Rwy and line-up THR	CAT A & B only
7 - 13	Departure IA	A		TWY I - TWY A	
	Departure IHB	B		TWY I - TWY H - TWY B turn RIGHT taxi to the end of Rwy and line-up THR	
	Departure IHB	B		TWY I - TWY G - TWY B turn RIGHT taxi to the end of Rwy and line-up THR	CAT A & B only
14 - 18	Departure HA	A		TWY H - TWY A	
	Departure HB	B		TWY H - TWY B turn RIGHT taxi to the end of Rwy and line-up THR	
1 - 6	Departure GA	A	Rwy 18	TWY G - TWY A turn LEFT taxi to the end of Rwy and line-up THR	
	Departure GB	B		TWY G - TWY B turn LEFT taxi to the end of Rwy and line-up THR	
7 - 13	Departure IA	A		TWY I - TWY A turn LEFT taxi to the end of Rwy and line-up THR	
	Departure IHB	B		TWY I - TWY H - TWY B turn LEFT taxi to the end of Rwy and line-up THR	
	Departure IGB	B		TWY I - TWY G - TWY B turn LEFT taxi to the end of Rwy and line-up THR	CAT A & B only
14 - 18	Departure HA	A		TWY H - TWY A turn RIGHT taxi to the end of Rwy and line-up THR	
	Departure HB	B		TWY H - TWY B turn RIGHT taxi to the end of Rwy and line-up THR	

CHANGES: New page.

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LRCK/CND

JEPPESEN

20 AUG 10
Eff 26 Aug
10-9X

JAA MINIMUMS

CONSTANTA, ROMANIA
MIHAIL KOGALNICEANU-CONSTANTA

STRAIGHT-IN RWY		A	B	C	D
18	VOR	**700′**(347′)	**700′**(347′)	**700′**(347′)	**700′**(347′)
		R1200m	**R1300m**	**R1400m**	**R1600m**
	ALS out	R1500m	R1500m	R1800m	R2000m
36	ILS	**515′**(200′)	**515′**(200′)	**515′**(200′)	**515′**(200′)
		R550m	**R550m**	**R550m**	**R550m**
	ALS out	R1000m	R1000m	R1000m	R1000m
	LOC	**630′**(315′)	**630′**(315′)	**630′**(315′)	**630′**(315′)
		R900m	**R1000m**	**R1000m**	**R1400m**
	ALS out	R1500m	R1500m	R1800m	R2000m
	VOR	**690′**(375′)	**690′**(375′)	**690′**(375′)	**690′**(375′)
		R900m	**R1000m**	**R1000m**	**R1400m**
	ALS out	R1500m	R1500m	R1800m	R2000m

CIRCLE-TO-LAND	100 KT	135 KT	180 KT	205 KT
Not authorized East of airport	**760′**(407′)	**860′**(507′)	**960′**(607′)	**1060′**(707′)
	V1500m	V1600m	V2400m	V3600m

TAKE-OFF RWY 18, 36

	LVP must be in force				
	RL, CL & mult. RVR req	RL & CL	RCLM (DAY only) or RL	RCLM (DAY only) or RL	NIL (DAY only)
A, B, C	*150m*	*200m*	*250m*	*400m*	*500m*
D	*200m*	*250m*	*300m*		

CHANGES: Minimums.

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LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN (11-1) 20 AUG 10 Eff 26 Aug

CONSTANTA, ROMANIA
ILS Rwy 36

BRIEFING STRIP ™

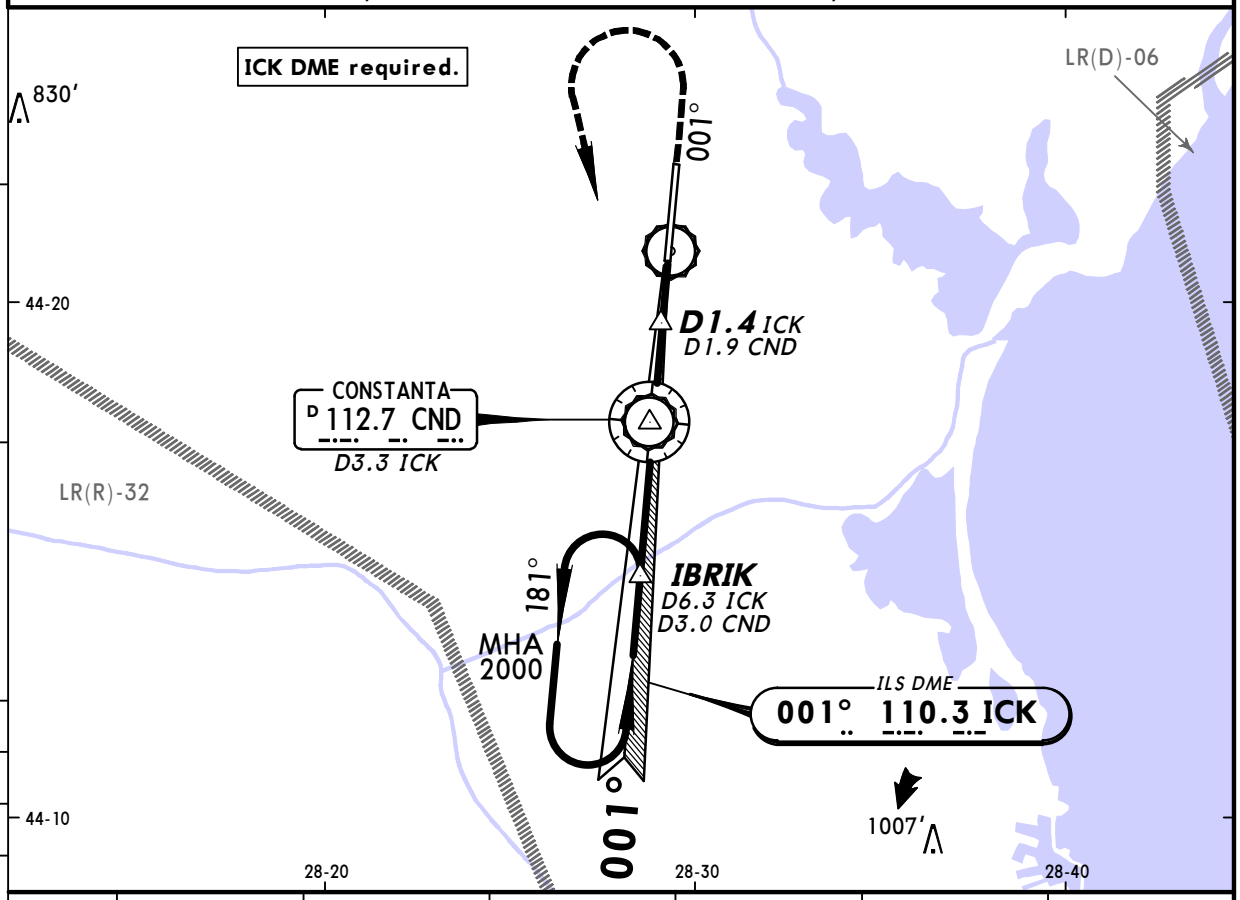
ATIS	CONSTANTA Approach	CONSTANTA Tower
118.75	122.9	120.45

LOC ICK	Final Apch Crs	GS VOR	ILS DA(H)	Apt Elev 353′
110.3	001°	1200′ (885′)	515′ (200′)	RWY 315′

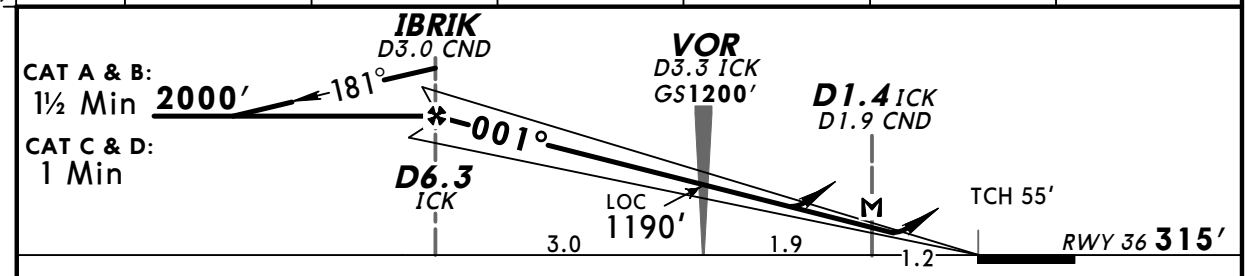
MISSED APCH: Climb STRAIGHT AHEAD to 1000′, then turn LEFT climbing to 2000′ to VOR and hold at IBRIK, or as directed.

2200′ MSA CND VOR

Alt Set: hPa | Rwy Elev: 12 hPa | Trans level: By ATC | Trans alt: 3000′



LOC (GS out)						
	ICK DME	6.0	5.0	4.0	3.0	2.0
	ALTITUDE	1920′	1660′	1390′	1120′	850′



Gnd speed-Kts	70	90	100	120	140	160
ILS GS or LOC Descent angle 2.50°	315	405	450	539	629	719
MAP at D1.4 ICK/D1.9 CND						

HIALS-II PAPI | 1000′ | 2000′ LT | CND 112.7

Standard STRAIGHT-IN LANDING RWY 36

	ILS DA(H) 515′ (200′) FULL	Limited	ALS out	LOC (GS out) DA(H) 630′ (315′)	ALS out
A	RVR 550m	RVR 750m	RVR 1200m	RVR 750m	RVR 1400m
B					
C					
D					

CIRCLE-TO-LAND
Not authorized East of airport

Max Kts	MDA(H)	VIS
100	760′ (407′)	1500m
135	860′ (507′)	1600m
180	960′ (607′)	2400m
205	1060′ (707′)	3600m

PANS OPS 4

CHANGES: Approach callsign. Note. Procedure. Minimums.

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LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 20 AUG 10 (13-1) Eff 26 Aug

CONSTANTA, ROMANIA
VOR Rwy 18

BRIEFING STRIP ™

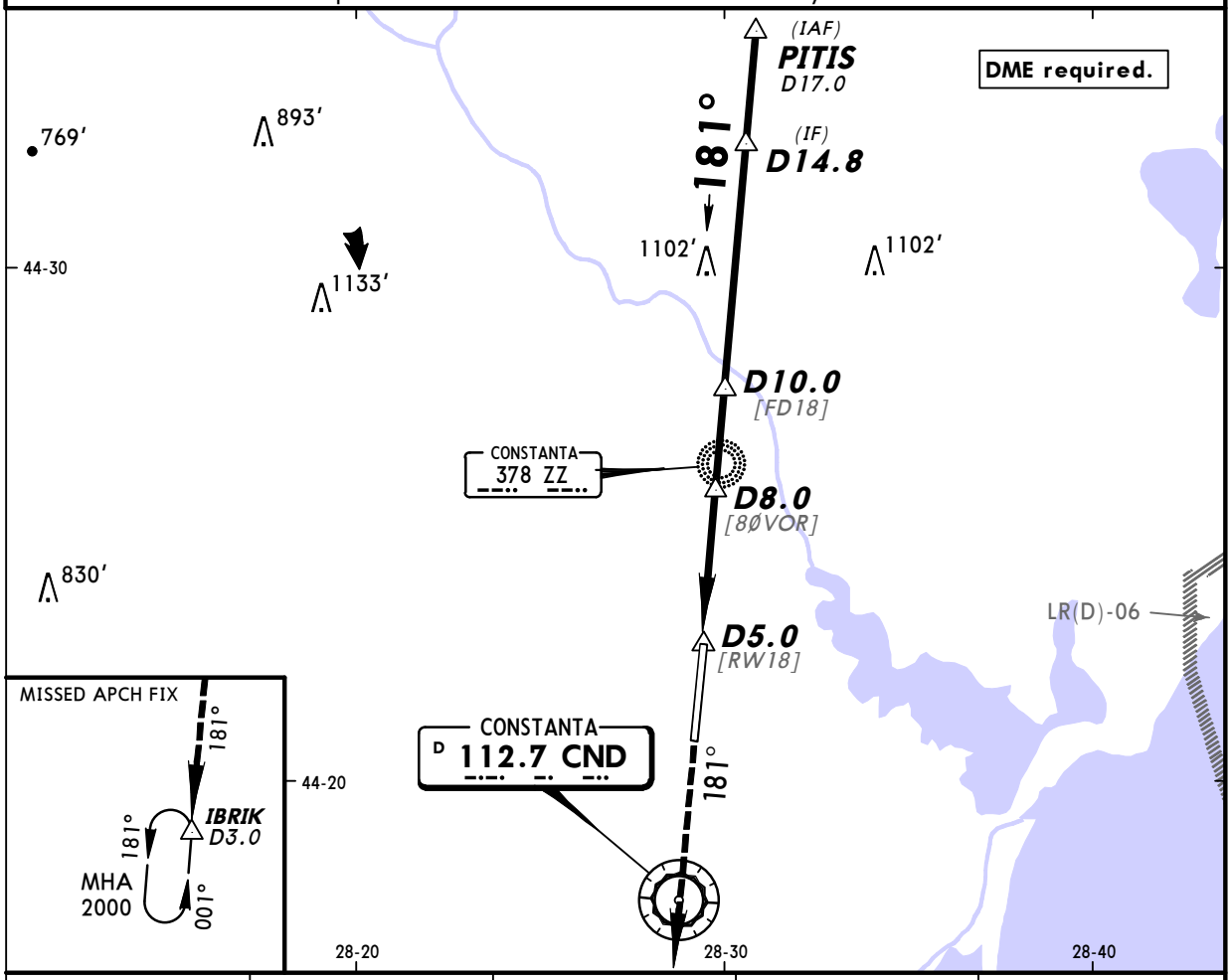
ATIS	CONSTANTA Approach	CONSTANTA Tower
118.75	122.9	120.45

VOR	Final Apch Crs	Minimum Alt	DA(H)	Apt Elev 353′
CND 112.7	181°	D10.0 2000′(1647′)	700′(347′)	

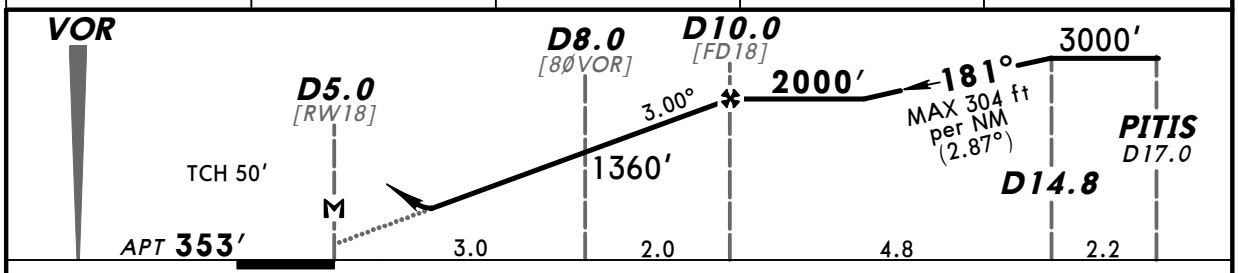
MISSED APCH: Climb STRAIGHT AHEAD to 2000′and join IBRIK holding, or as directed.

MSA CND VOR: 2200′

Alt Set: hPa | Apt Elev: 13 hPa | Trans level: By ATC | Trans alt: 3000′



CND DME	7.0	8.0	9.0	10.0
ALTITUDE	1050′	1360′	1680′	2000′



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 3.00°	372	478	531	637	743	849
MAP at D5.0						

HIALS
PAPI
2000′

Standard STRAIGHT-IN LANDING RWY 18

DA(H) 700′(347′)

		ALS out
A	RVR 1200m	RVR 1500m
B		
C		RVR 1600m
D		

CIRCLE-TO-LAND

Not authorized East of airport

Max Kts	MDA(H)	VIS
100	760′(407′)	1500m
135	860′(507′)	1600m
180	960′(607′)	2400m
205	1060′(707′)	3600m

PANS OPS 4

CHANGES: Approach callsign. Note. Procedure. Descent angle. Minimums.

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Notice: After 3 Dec 2010 0901Z, this chart may no longer be valid. Disc 23-2010

LRCK/CND
MIHAIL KOGALNICEANU-CONSTANTA

JEPPESEN 20 AUG 10 (13-2) Eff 26 Aug

CONSTANTA, ROMANIA
VOR Rwy 36

BRIEFING STRIP ™

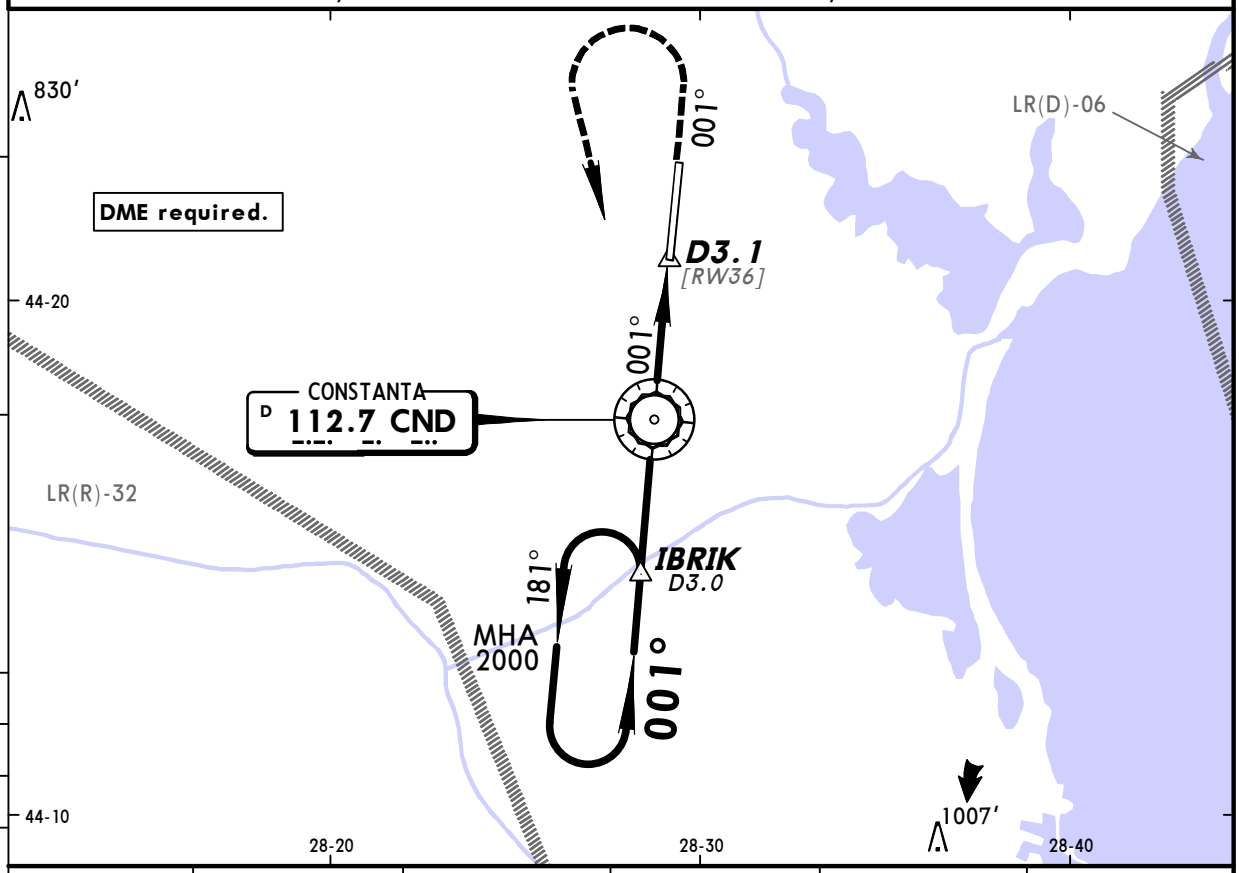
ATIS	CONSTANTA Approach	CONSTANTA Tower
118.75	122.9	120.45

VOR CND	Final Apch Crs	Minimum Alt IBRIK	DA(H)	Apt Elev 353′
112.7	001°	2000′ (1685′)	690′ (375′)	RWY 315′

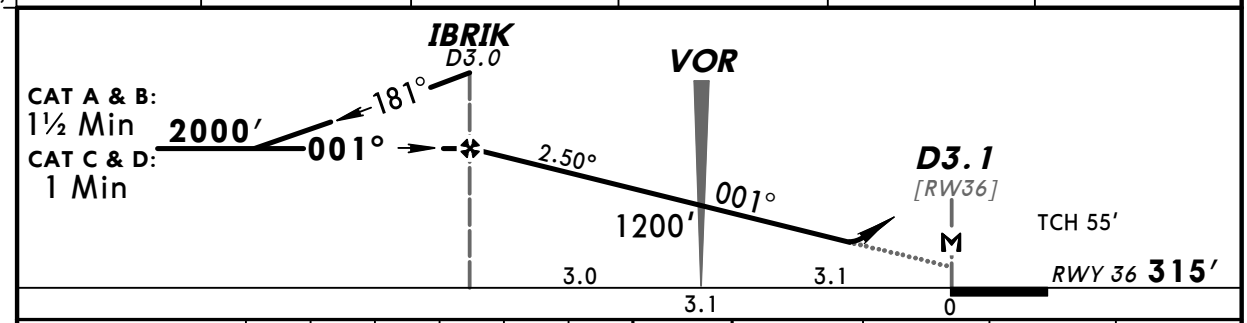
MISSED APCH: Climb STRAIGHT AHEAD to 1000′, then turn LEFT climbing to 2000′ to VOR and hold at IBRIK, or as directed.

2200′ MSA CND VOR

Alt Set: hPa | Rwy Elev: 12 hPa | Trans level: By ATC | Trans alt: 3000′



CND DME	D2.0 BEFORE CND	D1.0 BEFORE CND	0.0	D1.0 AFTER CND	D2.0 AFTER CND
ALTITUDE	1730′	1460′	1190′	920′	660′



Gnd speed-Kts	70	90	100	120	140	160
Descent angle 2.50°	310	398	442	531	619	707
MAP at D3.1						

HIALS-II PAPI | 1000′ | 2000′ LT | CND 112.7

Standard STRAIGHT-IN LANDING RWY 36

DA(H) 690′ (375′)

		ALS out
A	RVR 1000m	RVR 1500m
B		
C		RVR 1700m
D		

CIRCLE-TO-LAND

Not authorized
East of airport

Max Kts	MDA(H)	VIS
100	760′ (407′)	1500m
135	860′ (507′)	1600m
180	960′ (607′)	2400m
205	1060′ (707′)	3600m

PANS OPS 4

CHANGES: Approach callsign. Note. Procedure.

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