

AD 2. AERODROMES**SUDU AD 2.4-1 AERODROME LOCATION INDICATOR AND NAME**

SUDU - DURAZNO/Santa Bernardina Intl of Alternative

SUDU 2.4-2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	<i>ARP coordinates and site at AD</i>	332123S 0562946W DUR VOR/DME location
2	<i>Direction and distance from (city)</i>	3 KM E from Durazno city
3	<i>Elevation/Reference temperature</i>	93 M (305 FT) / 32°C
4	<i>Geoid undulation at AD ELEV PSN</i>	17 M
5	<i>MAG VAR/Annual change</i>	12° W (JAN 2020) / 0.15° increasing
6	<i>AD operator, address, telephone, telefax, e-mail address, AFS address, website address</i>	Fuerza Aérea Uruguay Aeropuerto Intl de Alternativa Santa Bernardina Durazno Tel: 4362 2182, 4362 2449 Telefax: 4362 4927 e-mail: sudu@dinacia.gub.uy AFS: SUDUYTYX
7	<i>Types of traffic permitted (IFR/VFR)</i>	IFR/VFR
8	<i>Remarks</i>	Nil

SUDU AD 2.4-3 OPERATIONAL HOURS

1	<i>AD Operator</i>	☛ MON - FRI 11:00 to 17:00 UTC. HOL and others: O/R previous coordination 24 HR in advance with Base OPS Centre (MON - FRI 11:00 to 17:00 UTC TEL (598)43622182)
2	<i>Customs and immigration</i>	O/R
3	<i>Health and sanitation</i>	First aids and ambulance
4	<i>AIS Briefing Office</i>	Nil
5	<i>ATS Reporting Office (ARO)</i>	As AD Operator
6	<i>MET Briefing Office</i>	As AD Operator
7	<i>ATS</i>	As AD Operator
8	<i>Fuelling</i>	As AD Operator
9	<i>Handling</i>	As AD Operator
10	<i>Security</i>	As AD Operator
11	<i>De-icing</i>	Nil
12	<i>Remarks</i>	Nil

SUDU AD 2.4-4 HANDLING SERVICES AND FACILITIES

1	<i>Cargo-handling facilities</i>	Nil
2	<i>Fuel/oil types</i>	100/130 y JET-A1
3	<i>Fuelling facilities/capacity</i>	100/130 18 000 L, JET-A1 30 000 L
4	<i>De-icing facilities</i>	Nil
5	<i>Hangar space for visiting aircraft</i>	Nil
6	<i>Repair facilities for visiting aircraft</i>	Nil
7	<i>Remarks</i>	Nil

SUDU AD 2.4-5 PASSENGER FACILITIES

1	<i>Hotels</i>	In the city
2	<i>Restaurants</i>	In the city
3	<i>Transportation</i>	Taxis O/R; DLY bus service from 09:00 to 21:00 UTC
4	<i>Medical facilities</i>	First aids and ambulance
5	<i>Bank and Post Office</i>	Nil
6	<i>Tourist Office</i>	Nil
7	<i>Remarks</i>	Nil

SUDU AD 2.4-6 RESCUE AND FIRE FIGHTING SERVICES

1	<i>AD category for fire fighting</i>	☛CAT 06 from 10:00 to 22:00 UTC; other O/R previous coordination
2	<i>Rescue equipment</i>	Tools and approach equipment
3	<i>Capability for removal of disabled aircraft</i>	Nil
4	<i>Remarks</i>	In case of major accident, FAU aircraft support immediate response, FAU rescue personnel, firefighters and doctors specializing in severe polytrauma.

SUDU AD 2.4-7 SEASONAL AVAILABILITY - CLEARING

1	<i>Types of clearing equipment</i>	Nil
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SUDU AD 2.4-8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	<i>Apron surface and strength</i>	Surface: asphalt concrete - concrete Strength: 21/F/B/W/U
2	<i>Taxiway width, surface and strength</i>	Width: 23 M Surface: asphalt concrete Strength: ● Taxiways "A", "B" and "C" limited to 20 tons
3	<i>Altimeter checkpoint location and elevation</i>	Superior apron (332129S/0563030W) 82 M
4	<i>VOR checkpoints</i>	Nil
5	<i>INS checkpoints</i>	Nil
6	<i>Remarks</i>	Nil

SUDU AD 2.4-9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	<i>Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands</i>	Nil
2	<i>RWY and TWY markings and LGT</i>	RWY: Designation, centre line, THR and runway side stripe marking, 10/28 holding position (65 M of 03/21 centre line) TWY: Designation of centre line
3	<i>Stop bars</i>	Nil
4	<i>Remarks</i>	Nil

SUDU AD 2.4-10 AERODROME OBSTACLES

<i>In approach/TKOF areas</i>			<i>In circling area and at AD</i>			<i>Remarks</i>
1			2			3
<i>RWY/Area affected</i>	<i>Obstacle type Elevation Markings/LGT</i>	<i>Coordinates</i>	<i>Obstacle type Elevation Markings/LGT</i>	<i>Coordinates</i>	Nil	
a	b	c	a	b		
21/APCH	Trees 30 M	No data AVBL	Trees 20 M	No data AVBL		

SUDU AD 2.4-11 METEOROLOGICAL INFORMATION PROVIDED

1	<i>Associated MET Office</i>	DURAZNO
2	<i>Hours of service MET Office outside hours</i>	H 24
3	<i>Office responsible for TAF preparation Periods of validity</i>	Surveillance MET Office CARRASCO: O/R H 24
4	<i>Trend forecast Interval of issuance</i>	TREND O/R
5	<i>Briefing/consultation provided</i>	Personal inquiries
6	<i>Flight documentation Language(s) used</i>	Nil
7	<i>Charts and other information available for briefing or consultation</i>	S, U, P, T
8	<i>Supplementary equipment available for providing information</i>	Telefax
9	<i>ATS units provided with information</i>	DURAZNO TWR, OPS
10	<i>Additional information (limitation of service, etc.)</i>	Nil

SUDU AD 2.4-12 RUNWAY PHYSICAL CHARACTERISTICS

<i>Designations RWY NR</i>	<i>TRUE BRG</i>	<i>Dimensions of RWY (M)</i>	<i>Strength (PCN) and surface of RWY and SWY</i>	<i>THR coordinates. RWY end coordinates. THR geoid undulation</i>	<i>THR elevation and highest elevation of TDZ of precision APP RWY</i>
1	2	3	4	5	6
03	☛023.28°	2 279 x 45	21/F/B/W/T Asphalt concrete and concrete	332209.82S 0563016.63W 332209.82S 0563016.63W GUND 16.6 M	THR 83 M/272 FT
21	☛203.28°	2 279 x 45	21/F/B/W/T Asphalt concrete and concrete	332101.81S 0562941.76W 332101.81S 0562941.76W GUND 16.6 M	THR 93 M/305 FT
10	☛086.62°	1 452 x 30	Asphalt concrete	332134.45S 0563039.00W 332134.45S 0563039.00W GUND 16.6 M	THR 84 M/276 FT
28	☛266.62°	1 452 x 30	Asphalt concrete	332131.67S 0562942.92W 332131.67S 0562942.92W GUND 16.6 M	THR 90 M/295 FT
<i>Slope of RWY-SWY</i>	<i>SWY dimensions (M)</i>	<i>CWY dimensions (M)</i>	<i>Strip dimensions (M)</i>	<i>OFZ</i>	<i>Remarks</i>
7	8	9	10	11	12
+0.46% (2279 M)	Nil	Nil	☛2 399 x 280	Nil	Nil
-0.46% (2279M)	Nil	Nil	☛2 399 x 280	Nil	Nil
+0.27%/0%/+0.56%/ +1.1%/+0.8%/+0.5%/0% (100 M) (250 M) (750 M) (100 M) (50 M) (100 M) (100 M)	Nil	Nil	☛1 572 x 280	Nil	Nil
-0%/-0.5%/-0.8%/-1.1%/ -0.56%/0%/+0.27% (100 M) (100 M) (50 M) (100 M) (750 M) (250 M) (100 M)	Nil	Nil	☛1 572 x 280	Nil	Nil

SUDU AD 2.4-13 DECLARED DISTANCES

<i>RWY Designator</i>	<i>TORA (M)</i>	<i>TODA (M)</i>	<i>ASDA (M)</i>	<i>LDA (M)</i>	<i>Remarks</i>
1	2	3	4	5	6
03	2 279	2 279	2 279	2 279	Nil
21	2 279	2 279	2 279	2 279	Nil
10	1 452	1 452	1 452	1 452	Nil
28	1 452	1 452	1 452	1 452	Nil

SUDU AD 2.4-14 APPROACH AND RUNWAY LIGHTING

<i>RWY Desig- nator</i>	<i>APCH LGT type LEN INTST</i>	<i>THR LGT colour WBAR</i>	<i>VASIS (MEHT) PAPI</i>	<i>TDZ, LGT LEN</i>	<i>RWY Centre Line LGT Length, spacing, colour, INTST</i>	<i>RWY edge LGT LEN, spacing colour INTST</i>	<i>RWY End LGT colour WBAR</i>	<i>SWY LGT LEN (M) colour</i>	<i>Remarks</i>
1	2	3	4	5	6	7	8	9	10
03	SALS 420 M LIH	Green Red	☛ Nil	Nil	Nil	2279 M, 60 M White Amber	- Amber	Nil	Nil
21	MALSR CAT I 720 M LIH	Green Red	☛ Nil	Nil	Nil	2279 M, 60 M White Amber	- Amber	Nil	Nil
10	Nil	Green Red	☛ Nil	Nil	Nil	1452 M, 60 M White Amber	- Amber	Nil	Nil
28	Nil	Green Red	Nil	Nil	Nil	1452 M, 60 M White Amber	- Amber	Nil	Nil

SUDU AD 2.4-15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	<i>ABN/IBN location, characteristics and hours of operation</i>	ABN: Nil / IBN: Nil
2	<i>LDI location and LGT Anemometer location and LGT</i>	WDI: 294 M SE THR 10 lighted Anemometer: 400 M of THR RWY 21
3	<i>TWY edge and centre line lighting</i>	Edge: all the TWY Centre: Nil
4	<i>Secondary power supply/switch-over time</i>	Secondary power supply: 200 KW generator. Switch-over time: 10 SEC
5	<i>Remarks</i>	Nil

SUDU AD 2.4-16 HELICOPTER LANDING AREA

1	<i>Coordinates TLOF or THR of FATO</i>	Nil
2	<i>TLOF and/or FATO elevation M/FT</i>	Nil
3	<i>TLOF and FATO area dimensions, surface, strength, marking</i>	Nil
4	<i>True and MAG BRG FATO</i>	Nil
5	<i>Declared distance available</i>	Nil
6	<i>APP and FATO lighting</i>	Nil
7	<i>Remarks</i>	Nil

SUDU AD 2.4-17 ATS AIRSPACE

1	<i>Designation and lateral limits</i>	DURAZNO TMA Circle, radius 30 NM centred at 332122.5S 0562945.8W DURAZNO CTR Arc, radius 5 NM centred at 332122.5S 0562945.8W (ARP)
2	<i>Vertical limits</i>	TMA: GND up to FL 195 CTR: GND up to 900 M
3	<i>Airspace classification</i>	C
4	<i>ATS unit call sign Language(s)</i>	Durazno Tower 🗣️ Spanish, English (O/R)
5	<i>Transition altitude</i>	900 M
6	<i>Remarks</i>	MIL AD and INTL ALTN

SUDU AD 2.4-18 ATS COMMUNICATION FACILITIES

<i>Service designation</i>	<i>Call sign</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Remarks</i>
1	2	3	4	5
APP		120.4 MHZ	H24	Nil
TWR	Durazno Tower	120.4 MHZ 126.2 MHZ	H24	Nil

SUDU AD 2.4-19 RADIO NAVIGATION AND LANDING AIDS

<i>Type of aid, MAG VAR, Type of supported OP (for VOR/ILS/MLS, give declination)</i>	<i>ID</i>	<i>Frequency</i>	<i>Hours of operation</i>	<i>Position of transmitting antenna coordinates</i>	<i>Elevation of DME transmitting antenna</i>	<i>Remarks</i>
1	2	3	4	5	6	7
VOR/DME	DUR CH 122 X	117.5 MHZ	H24	332122.5S 0562945.8W	90 M/295 FT	Nil
LLZ RWY 21 ILS CAT I	IDUR	109.9 MHZ	H24	☛332218.6S ☛0563021.1W	Nil	Nil
GS 21			H24	☛332113.3S ☛0562942.5W	Nil	Nil
☛DME 21		☛	H24	☛332113.4S ☛0562942.2W	Nil	Nil
☛						
☛						
☛						
DF		120.4 MHZ 121.5 MHZ 126.2 MHZ	H24	332126.1S 0563007.5W	Nil	Radiogoniometric station

SUDU AD 2.4-22 FLIGHT PROCEDURES

General

Unless special permission has been obtained prior coordination between DUR TMA and MONTEVIDEO ACC, IFR / VFR flights should communicate with DUR TMA, 120.4 MHZ frequency 10 NM before entering the Terminal Area.

Procedures for IFR flights within the DURAZNO TMA

The DUR APP is responsible for:

- a) the control of IFR flights arriving and have been transferred by the MONTEVIDEO ACC with FL 195 or less;
- b) control of departing IFR flights, until they are transferred to MONTEVIDEO ACC when the aircraft reaches the point of notification for your route on the edge of both airspaces, or crossing FL 195 on the rise.
- c) control of IFR flights that cross its airspace below FL 195 and have been transferred by the MONTEVIDEO ACC until they are transferred back to MONTEVIDEO ACC.

☛Reduction of the minimum IFR takeoffs

- ☛The minimum visibility required for takeoff is: 1 600 M.
- ☛The ceiling shall be equal to or greater than the maximum established in the Instrument Approach Charts.

Radar procedures within the DURAZNO TMA

Radar separation shall not apply in the DUR TMA, unless otherwise coordinated.

Communications Failure

In case of communication failure the pilot in command shall act according to the communication failure procedures (ICAO Annex 2).

Procedures for VFR flights within the DURAZNO TMA.

It requires that aircrafts flying under visual flight rules, which are not in contact with the Montevideo Area Control Centre and will enter the terminal area or crossing Durazno Terminal, communicate with Durazno APP 120.4 MHZ frequency, at least 30 nautical miles before the entrance to that terminal.

Routing and Information of VFR flights

The Montevideo ACC shall inform Durazno APP, VFR flights which have knowledge with destination SUDU, entering the airspace under its jurisdiction. Durazno APP shall inform MONTEVIDEO ACC of VFR flights which has knowledge with destination the airports within the jurisdiction of the airspace adjacent control.

Eventually, the instructions will be coordinated traffic conditions imposed and the communication transfer point.

SSR Code Assignment

Along with the approval of VFR flight plan or IFR, Montevideo ACC shall inform the Durazno APP the SSR code assigned to each aircraft.

Routing Flight Plans

Flight plans will be routed through the AFTN or alternatively by fax.

Minimum vertical separation in the Traffic Circuit of Durazno.

☛ Nil.

SUDU AD 2.4-24 CHARTS RELATED TO AN AERODROME

Aerodrome/Heliport Chart - ICAO RWY 03/21	AD 2.4-13
Aerodrome/Heliport Chart - ICAO RWY 10/28	AD 2.4-15
☛ Instrument Approach Chart - ICAO DME VOR RWY 03	AD 2.4-17
☛ Instrument Approach Chart - ICAO RNAV (GNSS) RWY 10	AD 2.4-19
☛ Instrument Approach Chart - ICAO RNAV (GNSS) RWY 21	AD 2.4-21
☛ Instrument Approach Chart - ICAO HI VOR DME RWY 03	AD 2.4-23
☛ Instrument Approach Chart - ICAO VOR DME RWY 03	AD 2.4-25
☛	

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AERODROME/HELIPORT
CHART - ICAO

33°21'23"S ELEV 93
056°29'46"W (305)

TWR 126.2
APRON 000.0

DURAZNO/Intl Altn
Santa Bernardina

RWY	DIRECTION	THR	GUND	BEARING STRENGTH
03	035°	33°22'09.82"S 56°30'16.63"W	16.6 M	Runway and Apron PCN 21/F/B/W/T
21	215°	33°21'01.81"S 56°29'41.76"W	16.6 M	
10	099°	33°21'34.45"S 56°30'39.00"W	16.6 M	Taxiways "A", "B", and "C" limited to 20 tons
28	279°	33°21'31.67"S 56°29'42.92"W	16.6 M	

ELEVATIONS IN METRES (AND FEET)
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC

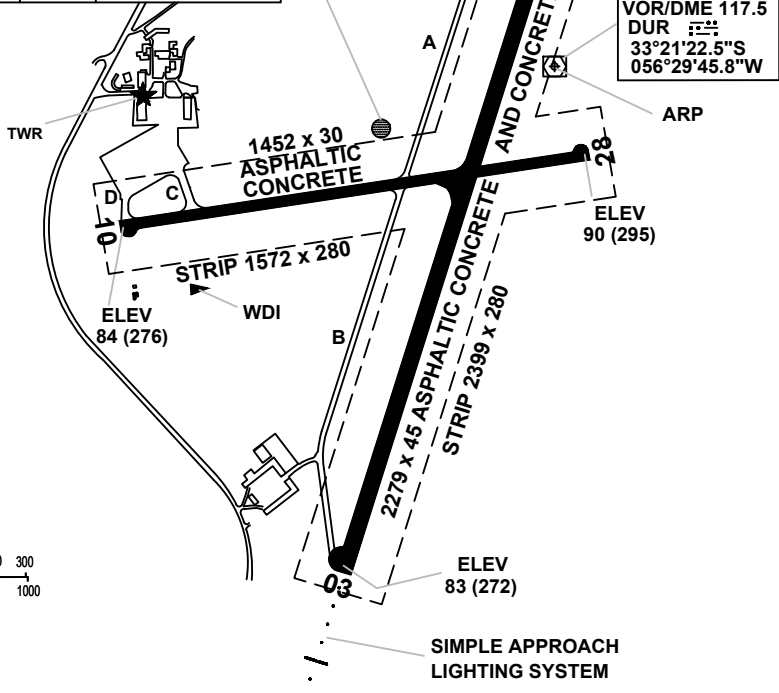
PRECISION
APPROACH
CAT I
LIGHTING
SYSTEM

ELEV
93 (305)

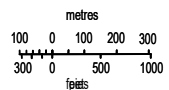
VOR/DME 117.5
DUR $\overline{\text{VOR}}$
33°21'22.5"S
056°29'45.8"W

DF 120.4, 121.5,
126.2
33°21'26.1"S
056°30'07.5"W

TAXIWAYS 23 WIDE

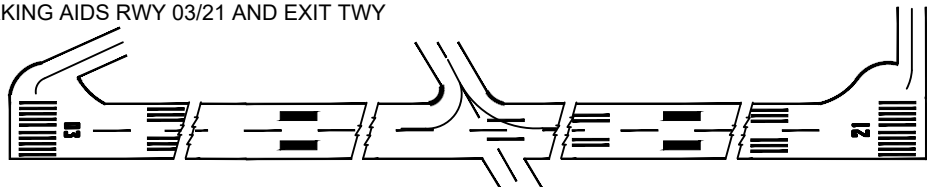


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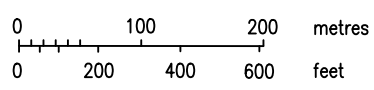
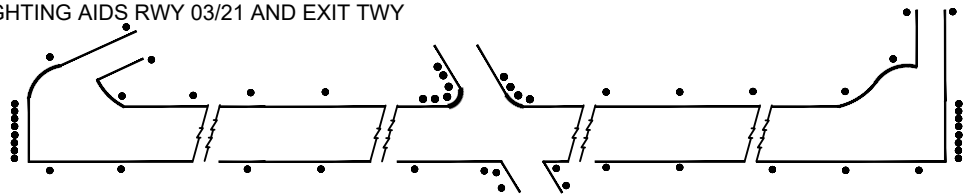


SIMPLE APPROACH
LIGHTING SYSTEM

MARKING AIDS RWY 03/21 AND EXIT TWY



LIGHTING AIDS RWY 03/21 AND EXIT TWY



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AERODROME/HELIPORT
CHART - ICAO

33°21'23"S ELEV 93
056°29'46"W (305)

TWR 126.2
APRON 000.0

DURAZNO/Intl Altn
Santa Bernardina

RWY	DIRECTION	THR	GUND	BEARING STRENGTH
03	035°	33°22'09.82"S 56°30'16.63"W	16.6 M	Runway and Apron PCN 21/F/B/W/T
21	215°	33°21'01.81"S 56°29'41.76"W	16.6 M	
10	099°	33°21'34.45"S 56°30'39.00"W	16.6 M	Taxiways "A", "B", and "C" limited to 20 tons
28	279°	33°21'31.67"S 56°29'42.92"W	16.6 M	

ELEVATIONS IN METRES (AND FEET)
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC

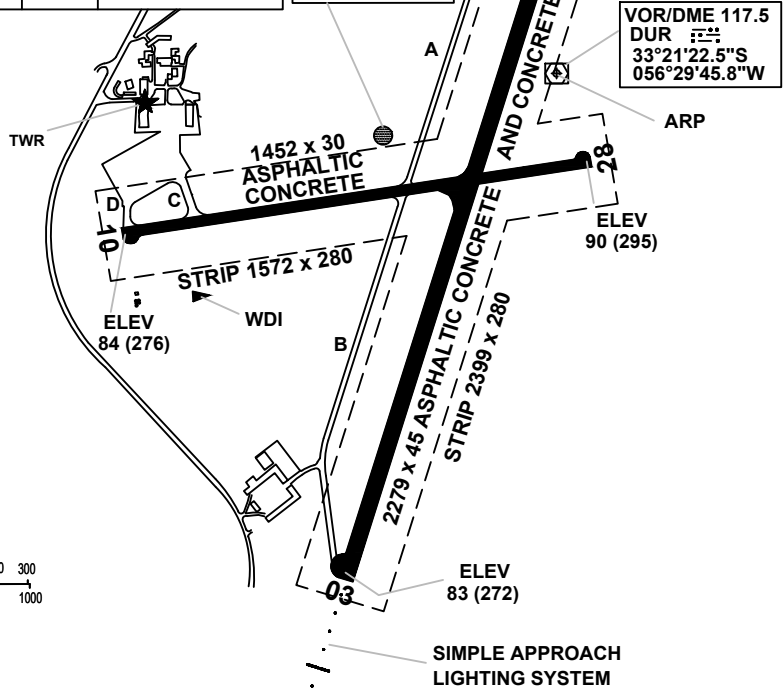
PRECISION
APPROACH
CAT I
LIGHTING
SYSTEM

ELEV
93 (305)

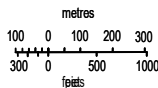
VOR/DME 117.5
DUR $\overline{\text{VOR}}$
33°21'22.5"S
056°29'45.8"W

DF 120.4, 121.5,
126.2
33°21'26.1"S
056°30'07.5"W

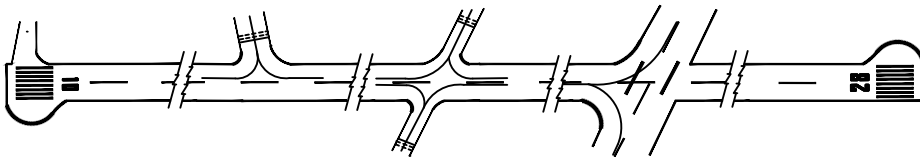
TAXIWAYS 23 WIDE



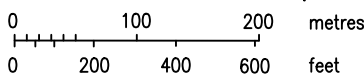
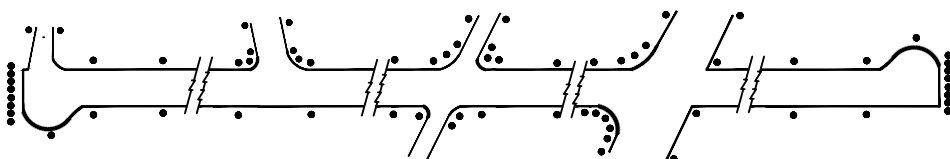
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MARKING AIDS RWY 10/28 AND EXIT TWY



LIGHTING AIDS RWY 10/28 AND EXIT TWY



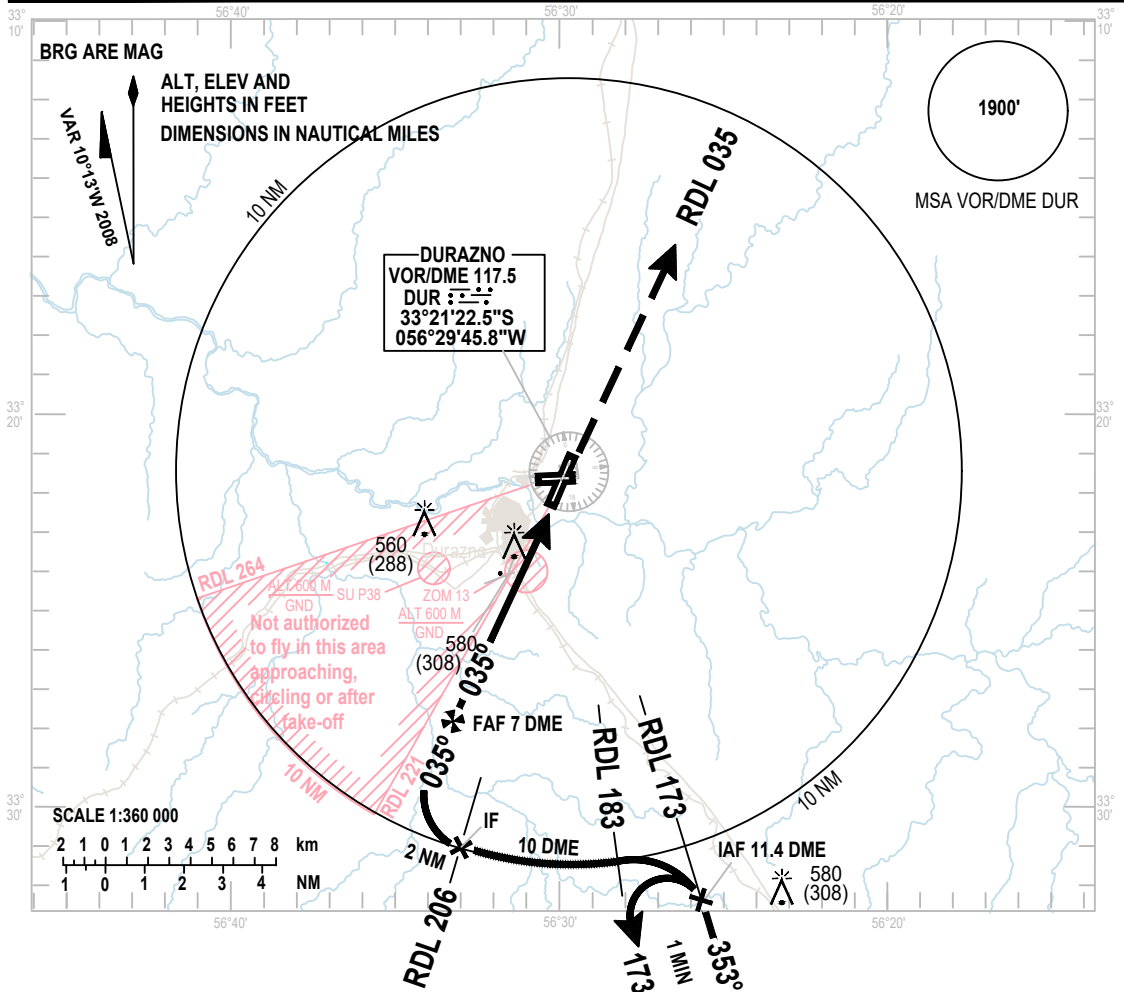
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INSTRUMENT
APPROACH
CHART - ICAO

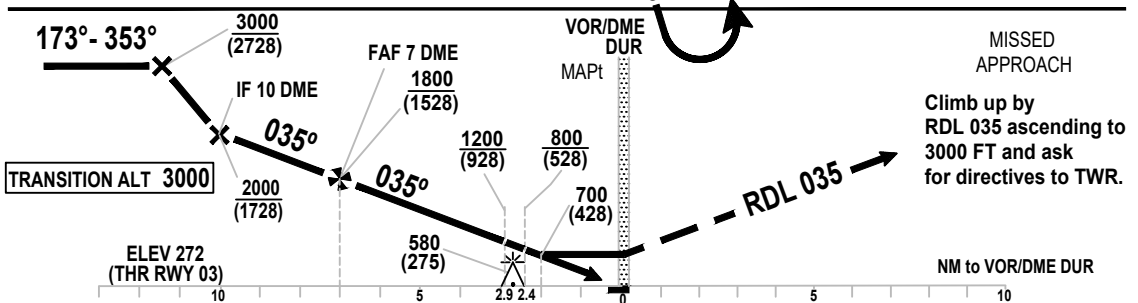
AERODROME ELEV **305 FT**
HEIGHTS RELATED TO
THR RWY 03 - ELEV 272 FT

APP 120.4
TWR 126.2

DURAZNO/Intl Altn
Santa Bernardina
DME VOR
RWY 03



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OCA/H	A	B	C	D
DME VOR	700 (428)			
Straight-in Approach VIS	1500 M	3000 M		
Circling VIS	880 (575)	980 (675)	1080 (775)	
	1500 m	3500 m	4500 m	

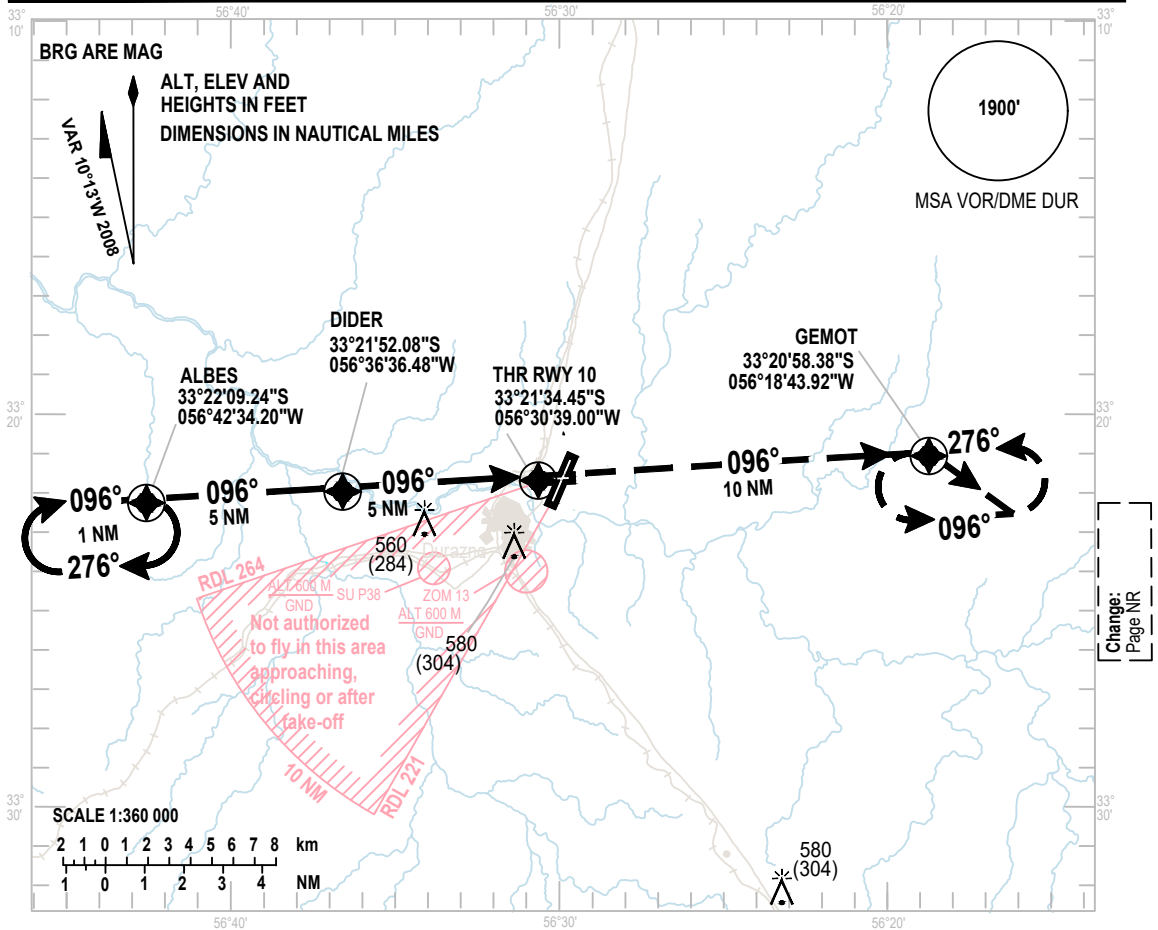
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APPROACH
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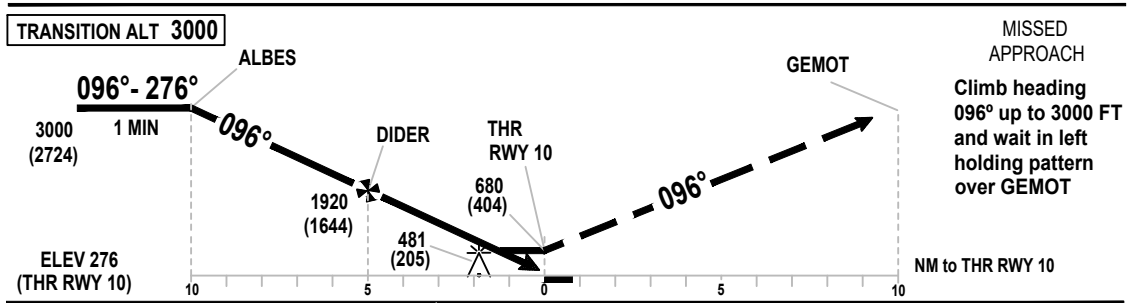
AERODROME ELEV **305 FT**
HEIGHTS RELATED TO
THR RWY 09 - ELEV 276 FT

APP 120.4
TWR 126.2

DURAZNO/Intl Atn
Santa Bernardina
RNAV (GNSS)
RWY 10



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OCA/H	A	B	C	D	KT	80	100	120	140	160	180	200	
GPS	680(404)				WFAF - RWY 09 (5 NM)	Min : Seg	3:45	3:00	2:30	2:08	1:48	1:36	1:30
Straight-in Approach	VIS 1600 M 2000 M				Velocidad vertical de descenso 5,2%	Pies/ Min	400	500	600	700	800	900	1000
VIS-ALS INOP in M					NM RWY 09	1.3	2	3	4	5			
Circling	880 (575)	980 (675)	1080 (775)		ALTITUD	680	970	1290	1605	1920			
VIS	1500 m	1600 m	3500 m	4500 m	ALTURA	404	695	1014	1330	1545			

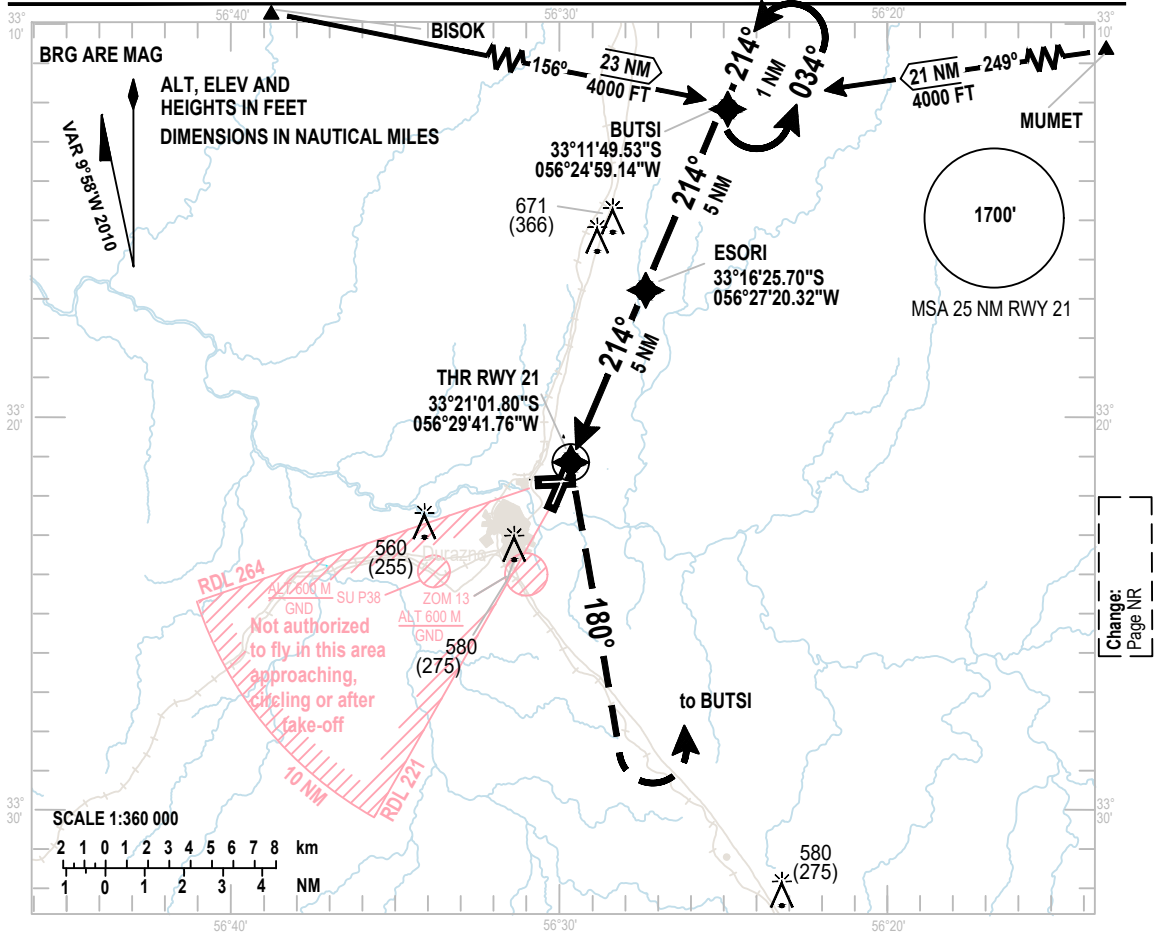
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INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV **305 FT**
HEIGHTS RELATED TO
THR RWY 21 - ELEV 305 FT

APP 120.4
TWR 126.2

DURAZNO/Intl Aftn
Santa Bernardina
RNAV (GNSS)
RWY 21

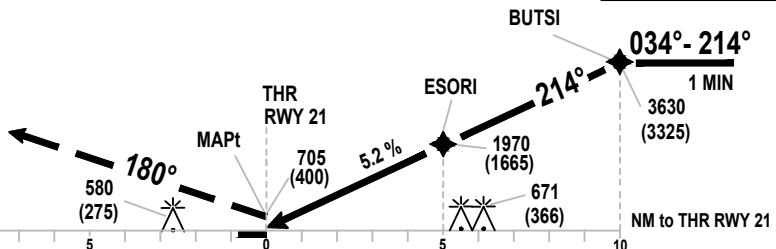


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APPROACH

TRANSITION ALT **3000**

Climb heading
180° up to 2000 FT.
Turn left ascending
up to 3000 FT direct
to BUTSI and ask
for directives to TWR.



ELEV 305
(THR RWY 21)

OCA/H	A	B	C	D	E
GPS	705 (400)				
VIS	1200 M - 1500 M ALS INOP				
Straight-in Approach					
VIS-ALS INOP in M	1200 M - 1500 M		1500 M		
Circling	880 (575)	980 (675)	1080 (775)		
VIS	1500 m	3500 m	4500 m		

ESORI - Mapt (5 NM)	Min : Sec	3:52	3:00	2:30	2:10	1:50	1:42	1:25
	Rate of descent 5,2%	Feet/Min	430	530	640	750	850	950

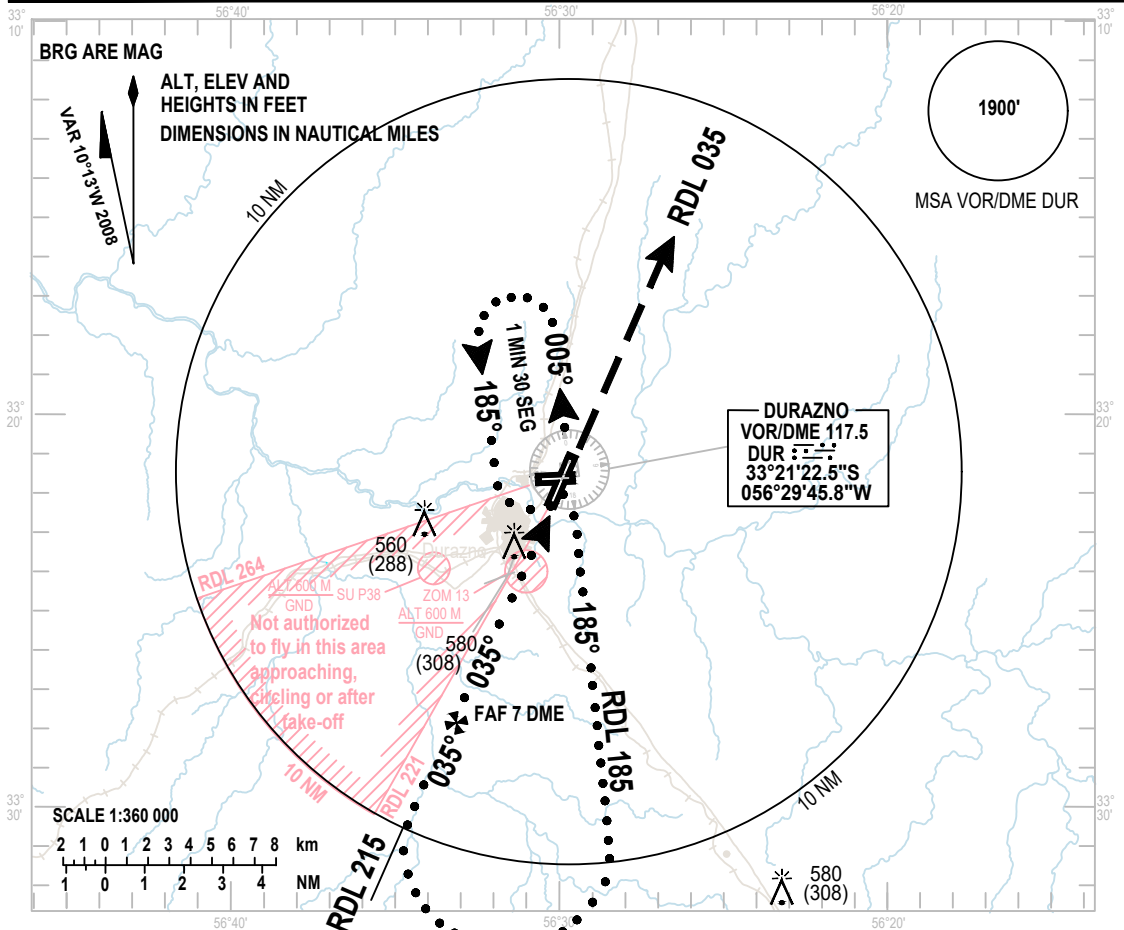
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INSTRUMENT
APPROACH
CHART - ICAO

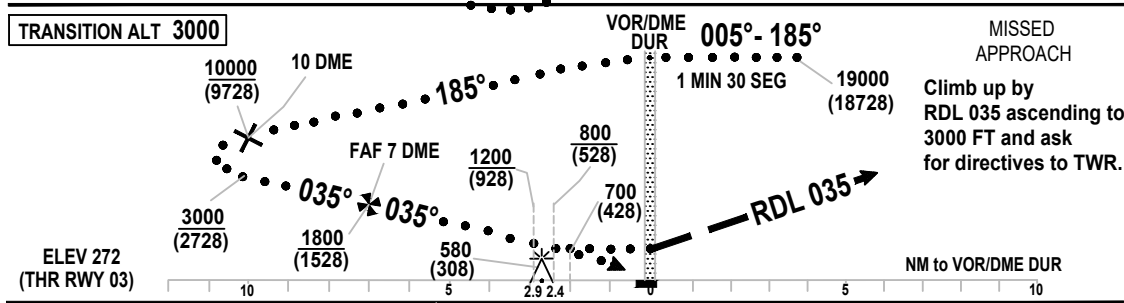
AERODROME ELEV **305 FT**
HEIGHTS RELATED TO
THR RWY 03 - ELEV 272 FT

APP 120.4
TWR 126.2

DURAZNO/Intl Atn
Santa Bernardina
HI VOR/DME
RWY 03



Change:
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OCA/H	C	D							
	VOR	700 (428)							
Straight-in Approach	VIS	3000 M							
Circling	980 (675)	1080 (775)							
	VIS	3500 m	4500 m						

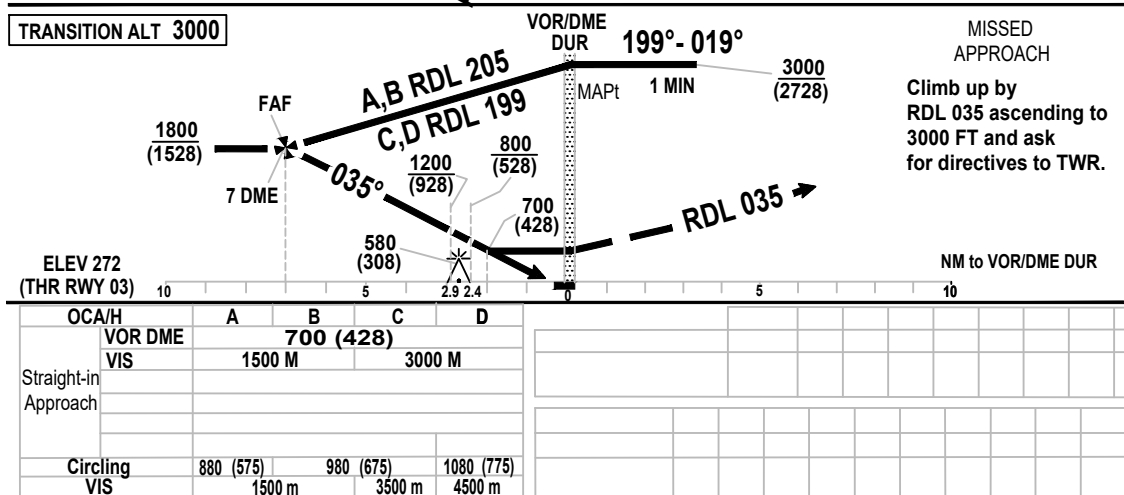
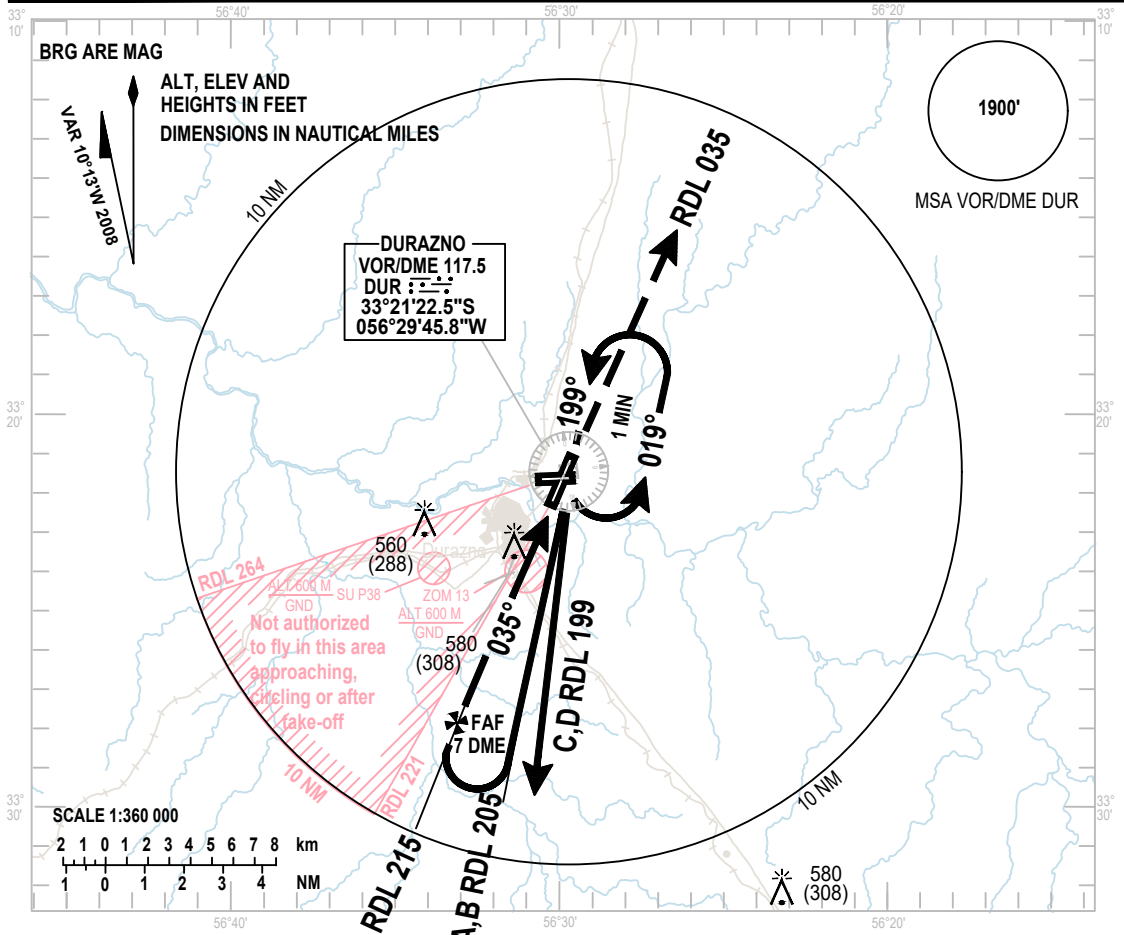
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INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV **305 FT**
HEIGHTS RELATED TO
THR RWY 03 - ELEV 272 FT

APP 120.4
TWR 126.2

DURAZNO/Intl Alt
Santa Bernardina
VOR/DME
RWY 03



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