




APPENDIX B

DRO INSTRUMENT APPROACH CHARTS & DEPARTURE PROCEDURES

ILS or LOC/DME RWY 3 DURANGO-LA PLATA COUNTY (DRO)

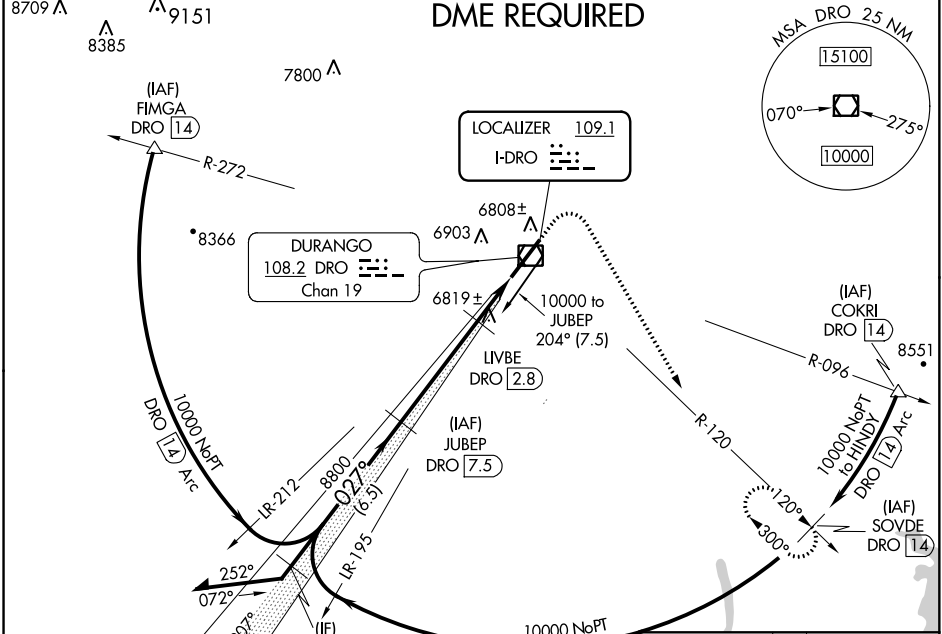
LOC I-DRO 109.1	APP CRS 027°	Rwy Idg TDZE Apt Elev	9201 6638 6685
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DME from DRO VOR/DME. Simultaneous reception of I-DRO and DRO VOR/DME required.

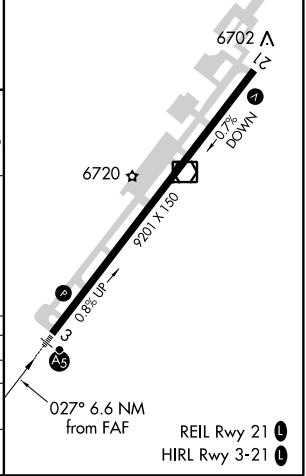
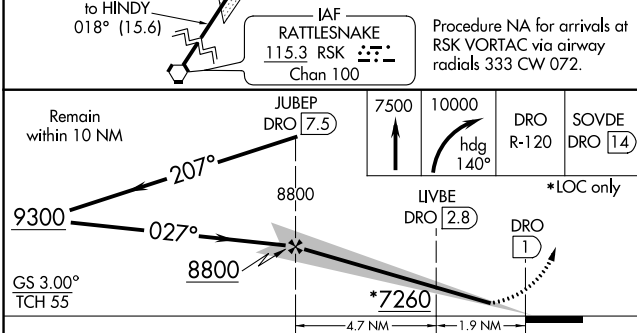
MALSR 

MISSED APPROACH: Climb to 7500 then climbing right turn to 10000 via heading 140° and DRO VOR/DME R-120 to SOVDE/14 DME and hold. Continue climb-in-hold to 10000.

ASOS 120.625	DENVER CENTER 118.575 348.7	UNICOM 122.8 (CTAF) 0
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ELEV 6685	TDZE 6638
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CATEGORY	A	B	C	D
S-ILS 3	6838-½ 200 (200-½)			
S-LOC 3	7080-½ 442 (400-½)	7080-¾ 442 (400-¾)		7080-1 442 (400-1)
CIRCLING	7180-1 495 (500-1)	7200-1 515 (600-1)	7220-1½ 535 (600-1½)	7260-2 575 (600-2)

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RNAV (GPS) RWY 3

DURANGO-LA PLATA COUNTY (D.R.O)

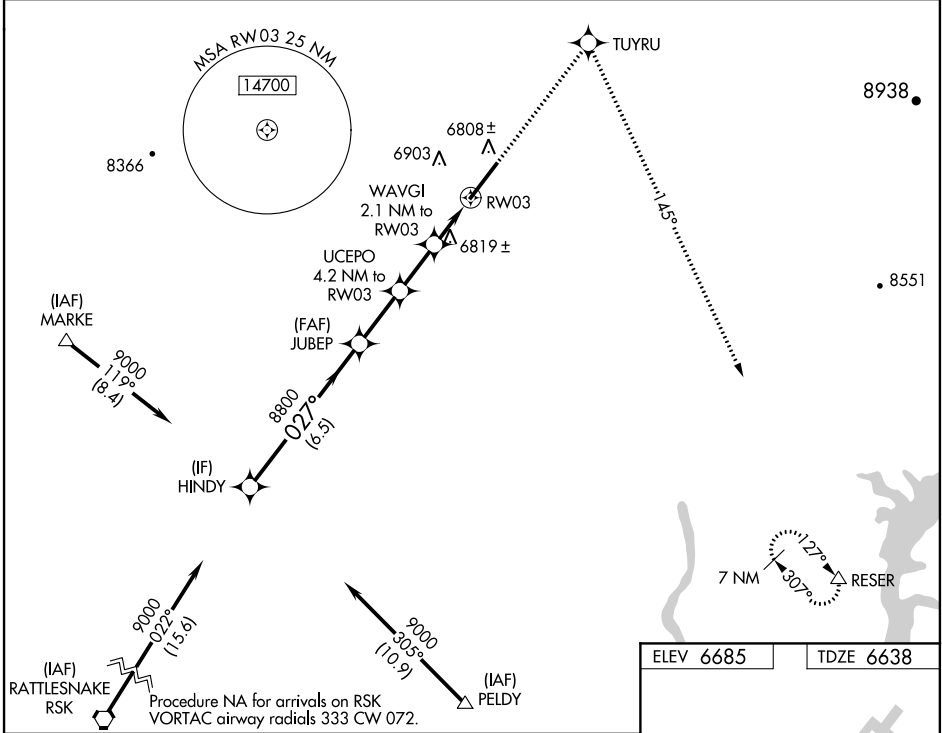
WAAS CH 53710 W03A	APP CRS 027°	Rwy Idg 9201 TDZE 6638 Apt Elev 6685
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▽ For uncompensated Baro-VNAV systems, procedure NA below -28°C (-18°F) or above 36°C (96°F).
DME/DME RNP-0.3 NA.

MALSR

MISSED APPROACH: Climb to 9500 direct TUYRU then climbing right turn via 145° track to RESER and hold.

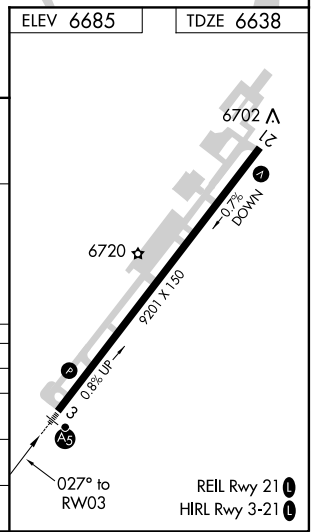
ASOS 120.625	DENVER CENTER 118.575 348.7	UNICOM 122.8 (CTAF)
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HINDY	JUBEP	UCEPO 4.2 NM to RW03	9500 TUYRU	RESER
9000	8800	*8020	*7340	*LNAV only
Procedure Turn NA				
GS 3.00° TCH 55				
	6.5 NM	2.4 NM	2.1 NM	0.8 NM
1.3 NM				
CATEGORY	A	B	C	D
LPV DA		6838-½	200 (200-½)	
LNAV/VNAV DA		6980-¾	342 (300-¾)	
LNAV MDA	7080-½	442 (400-½)	7080-¾	7080-1
			442 (400-¾)	442 (400-1)
CIRCLING	7180-1	7200-1	7220-1½	7260-2
	495 (500-1)	515 (600-1)	535 (600-1½)	575 (600-2)



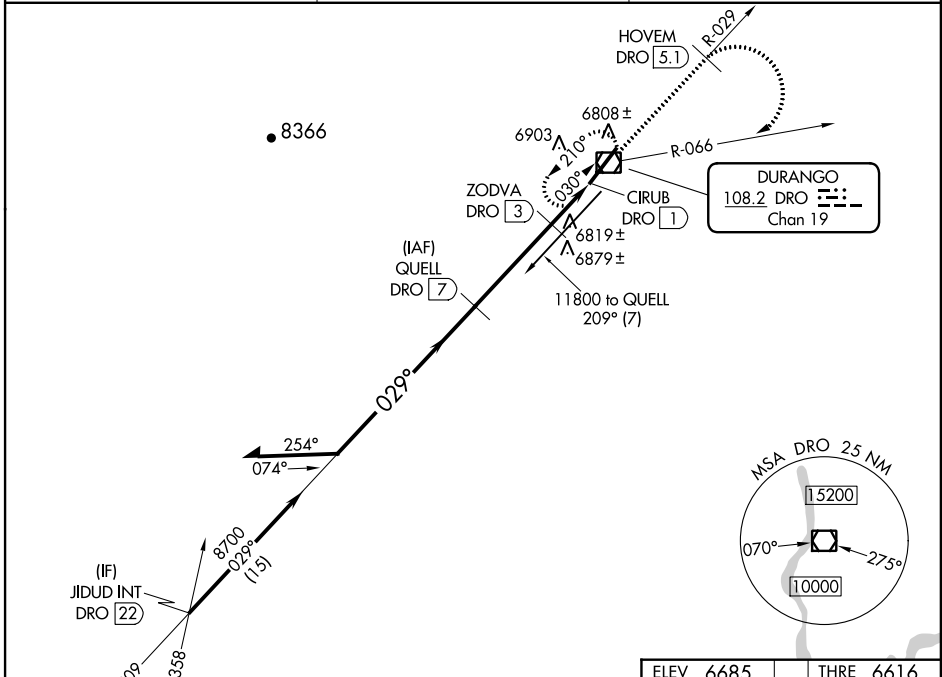
VOR/DME DRO 108.2 Chan 19	APP CRS 029°	Rwy Idg THRE 6616 Apt Elev 6685
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VOR/DME RWY 3

DURANGO-LA PLATA COUNTY (DRO)

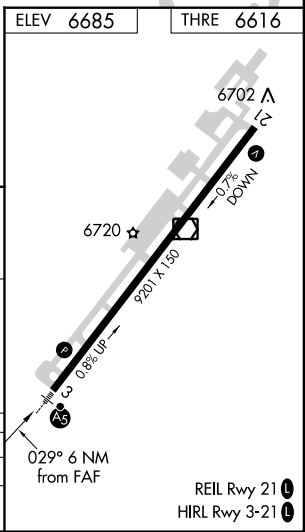
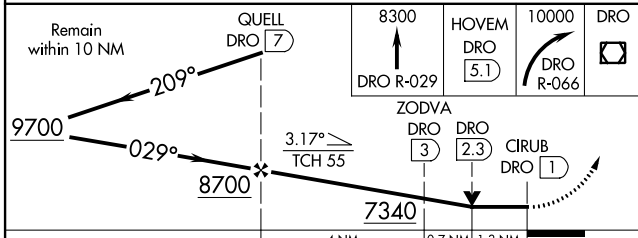
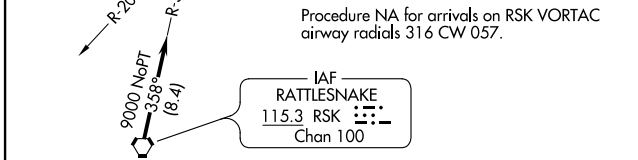
▼ When local altimeter setting not received, procedure NA. For inoperative MALS, increase S-3 Cat A/B visibility to 1 mile and Cats C/D visibility to 1 1/2 mile.

ASOS 120.625	DENVER CENTER 118.575 348.7	UNICOM 122.8 (CTAF) 0
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Procedure NA for arrivals on RSK VORTAC airway radials 316 CW 057.

IAF RATTLESNAKE
115.3 RSK
Chan 100



CATEGORY	A	B	C	D
S-3	7080-3/4	464 (400-3/4)	7080-1	464 (400-1)
CIRCLING	7180-1 495 (500-1)	7200-1 515 (600-1)	7220-1 1/2 535 (600-1 1/2)	7260-2 575 (600-2)

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TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



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INSTRUMENT APPROACH PROCEDURE CHARTS



IFR TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude, and/or airports that have civil IFR takeoff minimums other than standard, are listed below. Takeoff Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or the applicable military volume, as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not specifically assigned a departure procedure (i.e., ODP, SID, or radar vector) as part of an IFR clearance, an ODP may be required to be flown for obstacle clearance, even though not specifically stated in the IFR clearance. When doing so in this manner, ATC should be informed when the ODP being used contains a specified route to be flown, restrictions before turning, and/or altitude restrictions.

Some ODPs, which are established solely for obstacle avoidance, require a climb in visual conditions to cross the airport, a fix, or a NAVAID in a specified direction, at or above a specified altitude. These procedures are called Visual Climb Over Airport (VCOA). To ensure safe and efficient operations, the pilot must verbally request approval from ATC to fly the VCOA when requesting their IFR clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard takeoff rules and establishes takeoff minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) TAKEOFF minima are published below. For military takeoff minima, refer to appropriate service directives.

NAME TAKEOFF MINIMUMS

NAME TAKEOFF MINIMUMS

AKRON, CO

COLORADO PLAINS RGNL (AKO)
ORIG 09127 (FAA)

NOTE: **Rwy 11**, rod on obstruction light on anemometer 314' from DER, 525' left of centerline, 26' AGL/4695' MSL. Lights on hangers 412' from DER, 301' left of centerline, 18' AGL/4687' MSL.
Rwy 29, vehicles on roadway beginning 971' from DER, 315' left of centerline, 15' AGL/4741' MSL.
Trees beginning 1651' from DER, 528' left of centerline, up to 100' AGL/4839' MSL.

ALAMOGORDO, NM

ALAMOGORDO-WHITE SANDS RGNL (ALM)
AMDT 1 02332 (FAA)

TAKEOFF MINIMUMS: **Rwys 16,21,34**, NA
DEPARTURE PROCEDURE: Use CORONA ONE Departure.

ALAMOSA, CO

SAN LUIS VALLEY RGNL-BERGMAN FIELD (ALS)

AMDT 4B 14037 (FAA)

TAKEOFF MINIMUMS: **Rwys 6, 24**, NA.
DEPARTURE PROCEDURE: **Rwy 2**, climbing right turn, thence...

Rwy 20, climbing left turn, thence...
...direct ALS VORTAC. Continue climb in ALS VORTAC holding pattern (SE, right turns, 301° inbound) to depart ALS VORTAC at airway MEA/MCA, all others climb to 16000.

NOTE: **Rwy 2**, trees beginning 1070' to 2560' from DER, 197' to 702' left of centerline, 42' up to 72' AGL/7577' up to 7607' MSL.

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TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES





TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES



14149

DENVER, CO (CON'T)

DENVER INTL (DEN)

AMDT 3 12320 (FAA)

DEPARTURE PROCEDURE: **Rwy 7**, climb on a heading between 315° CW to 218° from DER. All other courses: climbing left turn, thence ...

Rwy 8, climb on a heading between 310° CW to 220° from DER. All other courses: climbing right turn, thence ...

Rwys 16L, 16R, climb on a heading between 213° CCW to 353° from DER. All other courses: climbing left turn, thence...

Rwys 17L, 17R, climb on a heading between 222° CCW to 353° from DER. All other courses: climbing right turn, thence ...

Rwy 25, climb on a heading between 317° CW to 083° or 206° CCW to 083° from DER. All other courses: climbing left turn, thence ...

Rwy 26, climb on a heading between 313° CW to 083° or 219° CCW to 083° from DER. All other courses: climbing left turn, thence ...

Rwys 34L, 34R, climb on a heading between 313° CW to 172° from DER. All other courses: climbing right turn, thence ...

Rwys 35L, 35R, climb on a heading between 313° CW to 172° from DER. All other courses: climbing right turn, thence ...

... direct DEN VOR/DME, climb in DEN VOR/DME holding pattern (hold South, right turns, 343° inbound) to 16500 before proceeding on course.

NOTE: **Rwy 7**, sign 21' from DER, 337' left of centerline, 5' AGL/5357' MSL. **Rwy 16L**, multiple signs beginning 126' from DER, 490' left of centerline, up to 7' AGL/5359' MSL. Communication tower 4749' from DER, 1358' left of centerline, 107' AGL/5478' MSL. **Rwy 25**, sign 48' from DER, 450' right of centerline, 6' AGL/5354' MSL. **Rwy 26**, sign 50' from DER, 339' left of centerline, 5' AGL/5356' MSL.

FRONT RANGE (FTG)

AMDT 3 12320 (FAA)

DEPARTURE PROCEDURE: **Rwy 8**, climb on a heading between 312° CW to 228° from DER. All other courses: climbing left turn direct DEN VOR/DME. Continue climb in DEN VOR/DME holding pattern (hold South, right turns, 343° inbound) to 16500 before proceeding on course.

Rwy 17, climb on a heading between 352° CW to 229° from DER. All other courses: climbing right turn direct DEN VOR/DME. Continue climb in DEN VOR/DME holding pattern (hold South, right turns, 343° inbound) to 16500 before proceeding on course. **Rwy 26**, climb on a heading between 315° CW to 083° or between 226° CCW to 083° from DER. All other courses: climbing right turn direct DEN VOR/DME. Continue climb in DEN VOR/DME holding pattern (hold South, right turns, 343° inbound) to 16500 before proceeding on course. **Rwy 35**, climb on a heading between 313° CW to 172° from DER. All other courses: climbing left turn direct DEN VOR/DME. Continue climb in DEN VOR/DME holding pattern (hold South, right turns, 343° inbound) to 16500 before proceeding on course.

NOTE: **Rwy 17**, pole 3618' from DER, 516' left of centerline, 43' AGL/5603' MSL. **Rwy 26**, trees beginning 98' from DER, 456' right of centerline, up to 50' AGL/5489' MSL.

DENVER, CO (CON'T)

ROCKY MOUNTAIN METROPOLITAN (BJC)

AMDT 5 12320 (FAA)

TAKEOFF MINIMUMS: **Rwy 29L**, 300-1 or std. w/ min. climb of 405' per NM to 5900.

DEPARTURE PROCEDURE: **Rwy 2**, climb on a heading between 350° CW to 160° from DER. All other courses: climbing right turn heading 147° to intercept DEN VOR/DME R-285 to DEN VOR/DME, thence ...

Rwys 11L, 11R, climb on heading between 160° CCW to 350° from DER. All other courses: climb heading 113° to intercept DEN VOR/DME R-275 to DEN VOR/DME, thence ...

Rwy 20, climb on heading between 160° CCW to 024° from DER. All other courses: climbing left turn heading 044° to intercept DEN VOR/DME R-272 to DEN VOR/DME, thence ...

Rwy 29R, climb on heading between 350° CW to 113° from DER. All other courses: climbing right turn heading 142° to intercept DEN VOR/DME R-280 to DEN VOR/DME, thence ...

Rwy 29L, climb on heading between 350° CW to 113° from DER. All other courses: Climbing right turn heading 142° to intercept DEN VOR/DME R-279 to DEN VOR/DME, thence ...

... climb in DEN VOR/DME holding pattern (hold South, right turns, 343° inbound) to 16500 before proceeding on course.

NOTE: **Rwy 2**, pole 432' from DER, 370' right of centerline, 49' AGL/5619' MSL. **Rwy 29L**, terrain beginning 23' from DER 28' left of centerline, up to 5708' MSL. Fence 982' from DER 303' left of centerline, 14' AGL/5714' MSL. Fence 1015' from DER 392' left of centerline, 15' AGL/5725' MSL. Multiple trees beginning 687' from DER 615' right of centerline up to 70' AGL/5839' MSL. Tree 3196' from DER 1337' left of centerline, 70' AGL/5839' MSL.

DURANGO, CO

DURANGO-LA PLATA COUNTY (DRO)

AMDT 6A 09015 (FAA)

TAKEOFF MINIMUMS: **Rwy 3**, std. w/ a min. climb of 215' per NM to 7600, or 1700-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 3**, climbing right turn to 9000 heading 160° and DRO VOR/DME R-125 to RESER INT, or for climb in visual conditions: Cross Durango-La Plata County Airport Southeast bound at or above 8200 MSL, then proceed on DRO VOR/DME R-125 to RESER INT. **Rwy 21**, climbing right turn to 9500 heading 280° and DRO VOR/DME R-235 to MARKE INT.

NOTE: **Rwy 3**, trees beginning 1223' from DER, 794' left of centerline, up to 42' AGL/6741' MSL. Trees beginning 488' from DER, 431' right of centerline, up to 42' AGL/6698' MSL, vehicles on road beginning 8' from DER, right and left of centerline, up to 15' AGL/6706' MSL.

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TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

