

Flight Procedures Cover Page	Task Action: FLIGHT CHECK	Task Type: IAP	Estimated Chart Date: 11/30/2023	APWS Task ID: 844892F3958B4AAAFAB63674708059375	APWS Project ID: D8BBC44AC2254819A0B956F01D6D37B4
Procedure: RNAV (RNP) Z RWY 16R ORIG		Enroute: NO	Specialist: Zeder, Joseph		Agreement Number:
Airport ID: KDEN			Airport City: DENVER		State: CO
Facility ID:	Facility Type:	Flight Inspection Remark Type: New FC Slot			
<div>Procedure Comments: ORIGINAL PROCEDURE 3 DEGEES OFFSET POC: CASIMIR TABAKA, PH 405954-7931 1 EA WAIVER: FOR SEGMENT LENGTH TO SHORT FOR ATC VECTORS AT KAILE (IAF)</div> <div><div>QUALITY 38 CHECKED</div><div>QUALITY 35 CHECKED</div></div>					

FIPC BASIC FORM							
PROCEDURE: RNAV (RNP) Z RWY 16R ORIG			AIRPORT NAME: DENVER INTL		AIRPORT ID: KDEN	SPECIAL CONTROL NO: OG-08-179-23	
FAC ID: KDEN16RZ		CITY: DENVER			ST: CO	ORIG CHART DATE: 11/30/2023	
DFL TYPE: PROC/P	THIRD PARTY: <input type="checkbox"/> YES	EST. TIME ON SITE: 0.4	REIMB. NUMBER:		PTS TASK ID: 844892F3958B4AAAFAB63674708059375		
PREFLIGHT NOTES							
REVIEWER:					DATE:		
COMMENTS:					CHECK ONE:		
					<input type="checkbox"/> FLT CK REQ <input type="checkbox"/> NFCR <input type="checkbox"/> REJECT		
							YES
					CPV COMPLETE?		
PROCEDURE RESULTS							
INSPECTION DATE: 10/03/2023		CREW #: VN354	N #: N86	INSTRUMENT PROCEDURE STATUS: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT W/CHANGES <input type="checkbox"/> UNSAT		ARINC CODING: <input checked="" type="checkbox"/> SAT <input type="checkbox"/> SAT/GOLD <input type="checkbox"/> UNSAT	
FLIGHT INSPECTOR SIGNATURE: alex krause @ 10/04/2023 08:02			PRINTED NAME: KRAUSE, ALEX EDWARD				NOTAM INITIATED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
FLIGHT INSPECTOR REMARKS:							
IN-FLIGHT OBSTACLE REPORT							
OBSTRUCTION ID #:	COORDINATES OR LOCATION:		GNSS ALTITUDE (MSL):		BAROMETRIC ALTITUDE (MSL):		HEIGHT ABOVE GROUND LEVEL:

1. FLIGHT PROCEDURE IDENTIFICATION:

Denver, Colorado
Denver International, KDEN
and RNAV (RNP) Z RWY 16R

2. WAIVER REQUIRED AND APPLICABLE STANDARD:

8260.58B Paragraph 1-2-5(b)(1)

(a) Minimum length (fix-to-fix). Generally, minimum leg length is the lesser of $2 \times \text{XTT}$ or 1 Nautical Mile (NM), but where applicable may also be no less than;

1. The sum of the Distance of Turn Anticipation (DTA) for each Fly-by (FB) turn (see Formula 1-2-1).

3. REASON FOR WAIVER (JUSTIFICATION FOR NONSTANDARD TREATMENT):

Request to publish the RNAV (RNP) Z RWY 16R using the leg length from KAILE to OGINE of 1.90 NM versus the requirement of at least 4.22 NM to support ATC vectors.

4. EQUIVALENT LEVEL OF SAFETY PROVIDED:

1. When aircraft are vectored to the procedure, they are only vectored to intercept the straight intermediate segment and not initial segment fixes.

2. Aircraft going to KAILE are inbound via LONGZ STAR and require less than 20° of heading change when reaching the (IAF).

3. The prohibition against vectoring to KAILE or OGINE for this procedure will be included in the next version of the facilities Standard Operation Policy (SOP).

4. A feeder segment was temporarily added to the procedure to mimic the LONGZ ARRIVAL segment from WP SWAYN to KAILE. TARGETS identified no criteria issues other than the subject of this waiver before or after KAILE.

5. ALTERNATIVE ACTIONS DEEMED NOT FEASIBLE:

1. Extending the leg length from KAILE to OGINE is not feasible as it would cause tie in problems with the existing LONGZ STAR and intercept angle to FAC.

2. Moving the KAILE WP to accommodate the leg length requirement would impact multiple arrivals and additional Instrument Approaches which leads to descent gradient and segment length criteria violations.

3. Changes to the LONGZ ARRIVAL will additionally require changes to integrated procedures entering and exiting TRACON airspace via this gate. Due to limited time available to resolve the high risk TCAS safety issue at this airport, there is not sufficient time to redesign the entire TRACON northwest gate structure.

6. COORDINATION WITH USER ORGANIZATIONS (SPECIFY):

DEN TRACON, ZDV, DEN Tower.

7. SUBMITTED BY:

DATE	OFFICE IDENTIFICATION	TITLE
06/08/23	WFPT	Aeronautical Information Specialist

SIGNATURE

MARK E
RAUSCH

Digitally signed by
MARK E RAUSCH
Date: 2023.06.08
14:07:02 -07'00'

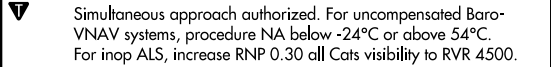

8. AFS ACTIONS:

☐ APPROVED ☐ DISAPPROVED ☐ NOT REQUIRED

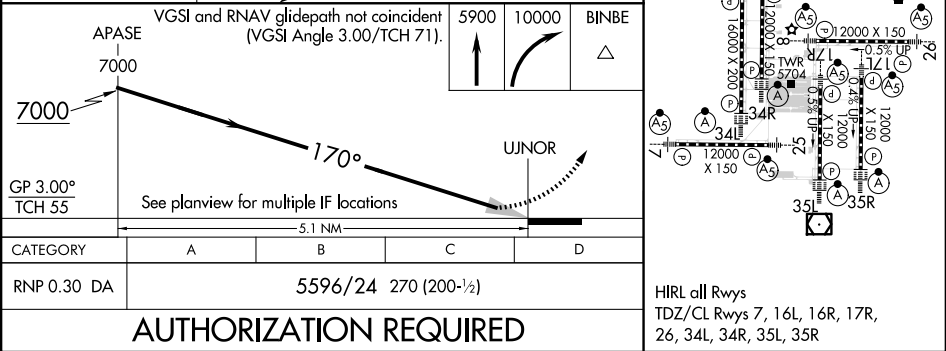
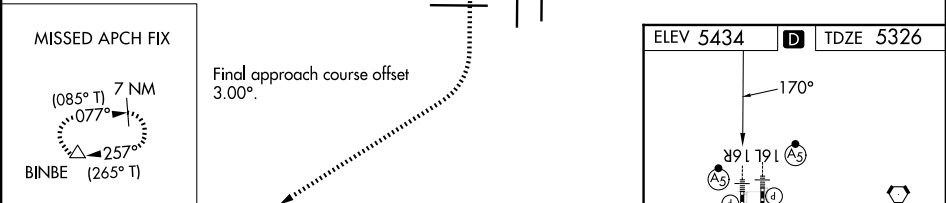
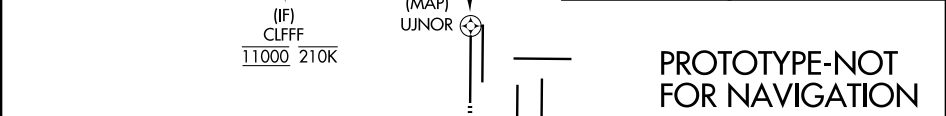
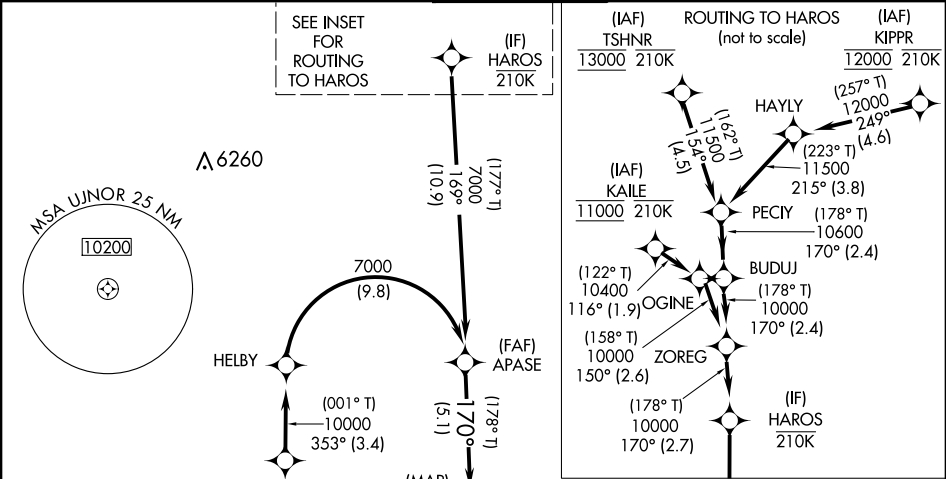
COMMENTS:

DATE	ROUTING SYMBOL	SIGNATURE
		Wade Terrell Signed By: Wade Terrell Mon Aug 21 2023 10:23:22 GMT-05:00:00 (Central Standard Time)

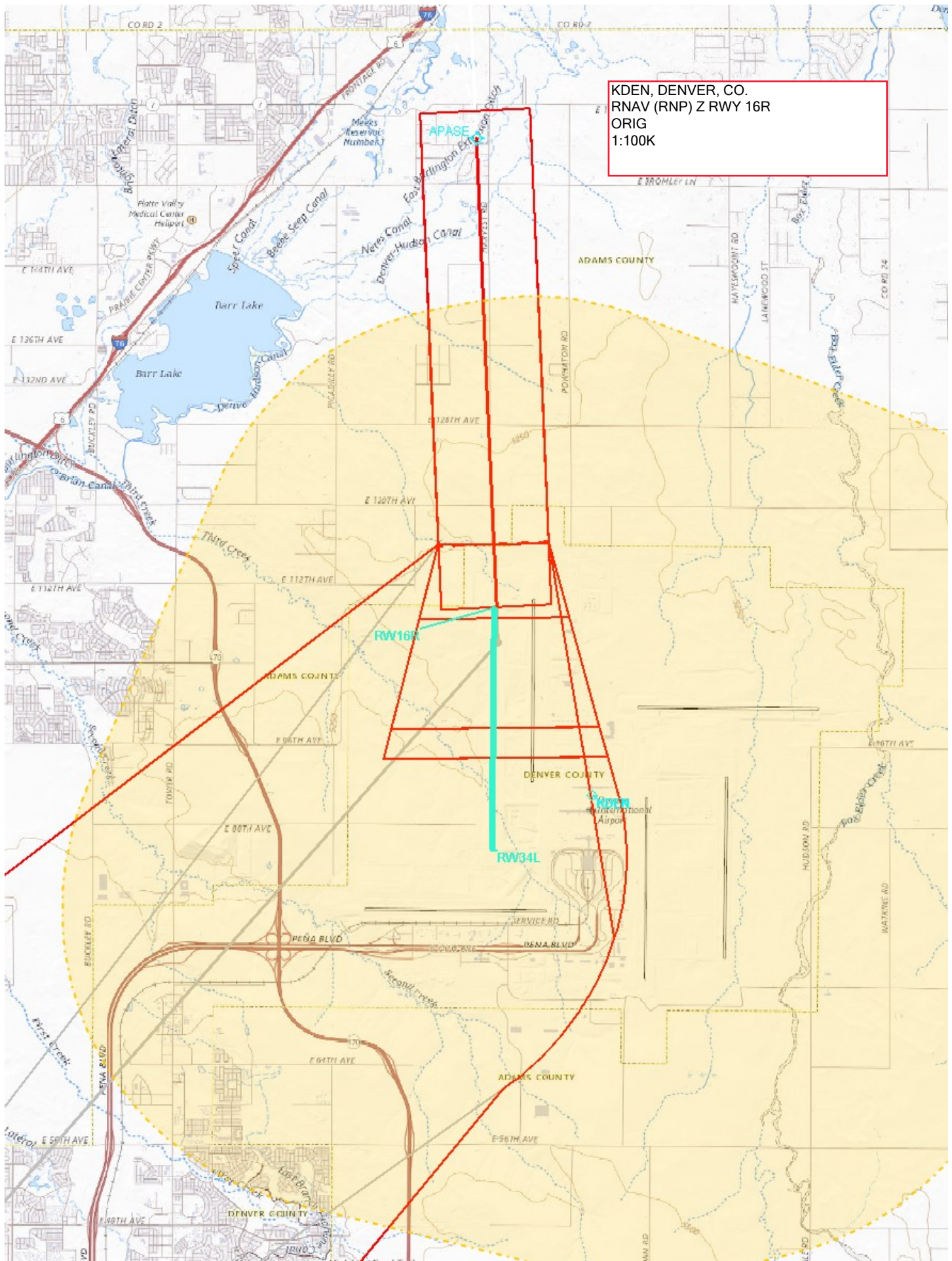
APP CRS 170°	Rwy Idg TDZE Apt Elev	16000 5326 5434
RNAV (RNP) Z RWY 16R		
DENVER INTL (DEN)		

RNP AR APCH - GPS.	MALSR	MISSED APPROACH: Climb to 5900 then climbing right turn to 10000 direct BINBE and hold, continue climb-in-hold to 10000.
		

D-ATIS ARR 125.6 379.9 DEP 134.025	DENVER APP CON 119.3 307.3 120.35 379.3 (NORTH) (SOUTH)	DENVER TOWER 135.3 351.95	GND CON 121.35 379.175	CLNC DEL 118.75	CPDLC
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KDEN, DENVER, CO.
RNAV (RNP) Z RWY 16R
ORIG
1:100K