

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE
TITLE 14 CFR PART 97.33

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL, except HAT, HAA, TCH, and RA. Altitudes are minimum altitudes unless otherwise indicated.
 Ceilings are in feet above airport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or feet RVR.

<u>AIRPORT</u> GREELEY-WELD COUNTY	<u>AIRPORT ID</u> KGXY	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1B	<u>CITY</u> GREELEY	<u>STATE</u> CO	
<u>AIRPORT ELEVATION</u> 4697	<u>TDZE</u> 4650	<u>SUPERSEDED</u> RNAV (GPS) RWY 28	<u>ORIGINAL/AMENDMENT</u> 1A	<u>DATED</u> 03/01/2018	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 15 AUGUST 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TERMINAL ROUTES

<u>FROM</u>	<u>FIX TYPE</u>	<u>TO</u>	<u>FIX TYPE</u>	<u>LEG TYPE</u>	<u>FO/FB</u>	<u>RNP</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>ALTITUDE</u>
GLL VOR/DME		COWWZ		TF	FO	1.00	128.13	10.52	7000
COWWZ	IF/IAF	KAASH		TF	FB	1.00	277.58	6.00	6300
KAASH	FAF	KWIKK/1.59 NM TO RW28		TF	FB	0.30	277.50	3.45	
KWIKK/1.59 NM TO RW28		RW28	MAP	TF	FO	0.30	277.50	1.59	
RW28	MAP	6300 MSL		CA			277.50		6300
6300 MSL		CEDUK		DF	FO	1.00			7000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW28

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 6300 THEN CLIMBING LEFT TURN TO 7000 DIRECT CEDUK AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD E COWWZ, RT, 277.58 INBOUND, 7000 FT. IN LIEU OF PT (IAF), MAX 14000.

3. FAC: 277.50FAF: KAASHDIST FAF TO MAP: 5.04DIST FAF TO THLD: 5.04

4. MIN ALT: COWWZ 7000, KAASH 6300, *KWIKK/1.59 NM TO RW28 5200

5. DIST TO THLD FROM OM:MM:IM:150 HAT:200 HAT: 0.47GS ANT:

6. MIN GP INCPT: 6300GP ALT AT FAF : KAASH 6300OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS CLEAR20:1: IS CLEARTCH: 50.0

8. MSA FROM: RW28 8500

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: BARO-VNAV NA WHEN USING FORT COLLINS/LOVELAND ALTIMETER SETTING.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -24°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS/LOVELAND ALTIMETER SETTING: INCREASE LPV DA TO 4935 FEET AND VISIBILITY 1/8 SM, LNAV/VNAV DA TO 5061 FEET AND VISIBILITY 1/8 SM; INCREASE ALL MDAS 100 FEET AND VISIBILITY CATS C AND D 1/4 SM.
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVAL ON GLL VOR/DME AIRWAY RADIALS 095 CW 136.

ADDITIONAL FLIGHT DATA:

CHART CIRCLING ICON.
WAAS CHANNEL #86808
REFERENCE PATH ID: W28A
CHART FAS OBST: 4765 GRAIN_ELEVATOR 402609N/1043709W.
HOLD S, RT, 343.88 INBOUND
LTP HAE: 1397.3 M
*LNAV ONLY

MINIMUMS:

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT

ALTERNATE: NA ☐ STANDARD - CAT D 800-2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE.

CATEGORY:	A			B			C			D			E		
FINAL TYPE	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA	DA/MDA	VIS	HAT/HAA
LPV DA	4850	3/4	200	4850	3/4	200	4850	3/4	200	4850	3/4	200			
LNAV/VNAV DA	4976	1	326	4976	1	326	4976	1	326	4976	1	326			
LNAV MDA	5080	1	430	5080	1	430	5080	1 1/4	430	5080	1 1/4	430			
CIRCLING	5120	1	423	5200	1	503	5200	1 1/2	503	5380	2 1/4	683			



CHANGES - REASONS

1. CHANGED CHART FAS OBST FROM 4704 TREE 402605N/1043736W TO 4765 GRAIN_ELEVATOR 402609N/1043709W IN ADDITIONAL FLIGHT DATA - NEW OBSTACLE.
2. REMOVED VDP - HIGHER MDA, 8260.3D 2-6-5 A (5).
3. ADDED 20:1 IS CLEAR TO LINE 7 - NO 20:1 PENETRATIONS.
4. CHANGED CHART NOTE FROM "WHEN LOCAL ALTIMETER NOT RECEIVED, USE FORT COLLINS-LOVELAND MUNI ALTIMETER SETTING AND INCREASE ALL DA 85 FT AND MDA 100 FT, INCREASE LPV ALL CATS VISIBILITY 1/8 MILE, INCREASE LNAV/VNAV ALL CATS VISIBILITY 3/8 MILE, INCREASE LNAV VISIBILITY CAT C AND D 1/4 MILE, AND CIRCLING CAT D VISIBILITY 1/4 MILE." TO "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE FORT COLLINS/LOVELAND ALTIMETER SETTING: INCREASE LPV DA TO 4935 FEET AND VISIBILITY 1/8 SM, LNAV/VNAV DA TO 5061 FEET AND VISIBILITY 1/8 SM, INCREASE ALL MDAS 100 FEET AND VISIBILITY CAT C AND D 1/4 SM." - NEW MDAS.
5. REMOVED CHART NOTE: DME/DME RNP -0.3 NA - NO LONGER REQUIRED PER 8260.19H, CHAPTER 8.
6. ADDED "CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})." - REQUIRED NOTE PER 8260.19H, CHAPTER 8.
7. LNAV/VNAV DA/MDA CHANGED FROM 4900/250 TO 4976/326 - NEW CONTROLLING OBSTACLE.
8. LNAV MDA/HAT CHANGED FROM 4980/330 TO 5080/430 - NEW CONTROLLING OBSTACLE.
9. INCORPORATE P-NOTAM 7/4186 - 8260-19H PARA 8-3-4 C.(2)
10. ADD RNP APCH TO PBN REQUIREMENTS NOTE - 8260.19H, CHAPTER 8.
11. CRC REMAINDER CHANGED FROM 04C77273 TO EEF41DCD - LTP AND FPAP COORDINATES UPDATED.

05/06/2019: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 02/22/2019

1. ADDED "" TO LINE 4 *KWIKK/1.59 NM TO RW28.

2. ADDED *LNAV ONLY TO ADDITIONAL FLIGHT DATA.

COORDINATED WITH:

A4A ☒ALPA ☒AOPA ☒APA ☒HAI ☐NBAA ☒OTHER: ZDV, DEN TRACON, CO AERO, AMGR

FLIGHT CHECKED BY

SCOTT A THOMPSON

Digitally signed by

CASIMIR L TABAKA

May 06, 2019

OFFICE

FICO

DATE

5/2/19

DEVELOPED BY

DAVID DANNER (DALE SICKELS)

Digitally signed by

CASIMIR L TABAKA

Apr 02, 2019

OFFICE

AJV-A421

DATE

02/22/2019

APPROVED BY

JULIE MORGAN

Digitally signed by

CASIMIR L TABAKA

Apr 02, 2019

OFFICE

AJV-A420

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGXY
RUNWAY	RW28
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W28A
LTP/FTP LATITUDE	402535.2345N
LTP/FTP LONGITUDE	1043733.7245W
LTP/FTP ELLIPSOIDAL HEIGHT	+13973
FPAP LATITUDE	402558.9425N
FPAP LONGITUDE	1043926.2010W
THRESHOLD CROSSING HEIGHT (TCH)	00050.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0984
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0

CRC REMAINDER	EEF41DCD
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ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K2
LTP ORTHOMETRIC HEIGHT	+14157
FPAP ORTHOMETRIC HEIGHT	+14157

