

**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 ID</u> KCBK	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> COLBY	<u>STATE</u> KS		
<u>AIRPORT ELEVATION</u> 3188	<u>TDZE</u> 3176	<u>SUPERSEDED</u> RNAV (GPS) RWY 35	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 01/30/2020	<u>MAG VAR</u> 8E	<u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 19 MAY 2022	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

TAA

FROM	FIX TYPE	TO	FIX TYPE	ALTITUDE
1. 262/30 CW 082/30	NOPT	262/12 CW 082/12		5700
2. 262/12 CW 082/12		IKBUW	IF/IAF	5200
3. 082/30 CW 172/30		082/4 CW 172/4		5700
4. 082/4 CW 172/4		EYVAG	IAF	5200
5. 172/30 CW 262/30		KEKXU	IAF	5200

TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
EYVAG	IAF	IKBUW	NOPT	TF	FB	1.00	082.28	8.00	5200
KEKXU	IAF	IKBUW	NOPT	TF	FB	1.00	262.50	8.00	5200
IKBUW	IF/IAF	VOFWE		TF	FB	1.00	352.39	6.09	4800
VOFWE	FAF	LOGIY/2.82 NM TO RW35		TF	FB	0.30	352.39	2.20	
LOGIY/2.82 NM TO RW35		RW35	MAP	TF	FO	0.30	352.39	2.82	
RW35	MAP	3376 MSL		CA			352.39		
3376 MSL		YEBVI		DF	FO	1.00			5100

MISSED APPROACH**MAP:**

LPV: DA
LNAV/VNAV: DA
LNAV: RW35

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 5100 DIRECT YEBVI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:**PROFILE:**

1. PT	SIDE OF COURSE	OUTBOUND	FT WITHIN	MILES OF	(IAF)
2. HOLD S IKBUW, RT, 352.39 INBOUND, 5200 FT. IN LIEU OF PT (IAF), MAX 6000.					
3. FAC:	352.39	FAF: VOFWE	DIST FAF TO MAP: 5.01		DIST FAF TO THLD: 5.01
4. MIN ALT: IKBUW 5200, VOFWE 4800, LOGIY/2.82 NM TO RW35 4100					
5. DIST TO THLD FROM FAF:	5.01	MM:	IM:	150 HAT:	200 HAT: 0.54
GS ANT:					
6. MIN GP INCPT:	4800	GP ALT AT PFAF : VOFWE 4800		OM:	MM:
IM:					
7. GP ANGLE:	3.00	34:1: IS CLEAR	20:1: IS CLEAR	TCH: 48.2	
8. MSA FROM:					

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: BARO-VNAV AND VDP NA WHEN USING GOODLAND ALTIMETER SETTING.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -21°C OR ABOVE 54°C.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE GOODLAND ALTIMETER SETTING: INCREASE LPV DA TO 3511 FEET AND VISIBILITY 1/4 SM, LNAV/VNAV DA TO 3561 FEET AND VISIBILITY 3/8 SM; INCREASE ALL MDAS 140 FEET AND VISIBILITY CAT C 3/8 SM.

ADDITIONAL FLIGHT DATA:

HOLD N, RT, 172.39 INBOUND.

CHART FAS OBST: 3391 TOWER (20-052864) 392245N/1010218W.

CHART 3590 TOWER 392217N/1010339W.

CHART VDP AT 1.55 NM TO RW35.

WAAS CHANNEL # 81909

REFERENCE PATH ID: W35A

CHART DENVER CENTER FREQUENCY.

LTP HAE: 937.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - 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	3376	3/4	200	3376	3/4	200	3376	3/4	200		NA				
LNAV/VNAV DA	3426	3/4	250	3426	3/4	250	3426	3/4	250		NA				
LNAV MDA	3700	1	524	3700	1	524	3700	1 1/2	524		NA				

CHANGES - REASONS

1. CHANGED AIRPORT ELEVATION FROM "3187" TO "3188" AND TDZE FROM "3175" TO "3176" -- NEW SURVEY DATA.
2. CHANGED TAA LEFT BASE STEPDOWN FROM "082/7 CW 172/7" TO "082/4 CW 172/4" -- FIX EYVAG RELOCATED; NEW CONTROLLING OBSTACLE.
3. CHANGED COURSE/DISTANCE EYVAG TO IKBW FROM "082.32/5.00" TO "082.28/8.00" -- FIX EYVAG RELOCATED PER FPT.
4. CHANGED COURSE/DISTANCE KEKXU TO IKBW FROM "262.46/5.00" TO "262.50/8.00" -- FIX KEKXU RELOCATED PER FPT.
5. CHANGED DISTANCE IKBW TO VOFWE FROM "6.15" TO "6.09" IN TERMINAL ROUTES -- FIX VOFWE RELOCATED TO EFFECT 3.00 GPA.
6. CHANGED DISTANCE VOFWE TO LOGIY FROM "2.15" TO "2.20" IN TERMINAL ROUTES -- FIX VOFWE AND LOGIY RELOCATED TO EFFECT 3.00 GPA.
7. CHANGED DISTANCE LOGIY TO RW35 FROM "2.80" TO "2.82" IN TERMINAL ROUTES -- FIX LOGIY RELOCATED TO EFFECT 3.00 GPA.
8. CHANGED CA LEG ALTITUDE FROM "3425" TO "3376" -- LOWER LPV DA.
9. REMOVED ASTERISK AT LOGIY IN PROFILE LINE 4 AND "*" LNAV ONLY" NOTE -- UPDATED IAW 8260.19I, 1-1-5.F(12).
10. ADDED "DIST TO THLD FROM FAF: 5.01" AND CHANGED "250 HAT: 0.70" TO "200 HAT: 0.54" ON PROFILE LINE 5 -- UPDATED IAW 8260.19I, 8-6-7.E; LOWER LPV DA.
11. CHANGED "RNP APCH" TO "RNP APCH - GPS" IN PBN REQUIREMENTS -- UPDATED IAW 8260.19I, 8-6-8.B(2).
12. CHANGED VDP FROM "1.56 NM" TO "1.55 NM" TO RW35 AND DELETED ASTERISK -- RECALCULATED BY TARGETS 6.4; UPDATED IAW 8260.19I, 1-1-5.F(12).
13. ADDED ID TO FAS OBSTACLE -- UPDATED IAW 8260.19I, 8-6-10.C.
14. LTP HAE CHANGED FROM "937" TO "937.2" IN ADDITIONAL FLIGHT DATA -- PRECISION TO TENTH OF A METER IAW 8260.19I, APPENDIX K.L.
15. ADDED "STANDARD" TO ALTERNATE MINIMUMS -- UPDATED IAW 8260.19I, 8-6-11.B(4).
16. CHANGED LPV DA/HAT FROM "3425/250" TO "3376/200" AND VISIBILITY FROM "1" TO "3/4" -- LOWER DA CLEARED BY VG SURVEY DATED 9/26/2020.
17. CHANGED LNAV/VNAV DA/HAT FROM "3554/379" TO "3426/250" AND VISIBILITY FROM "1 1/2" TO "3/4" -- NEW MAP STUDY DETERMINED ASC.
18. CHANGED LNAV HAT FROM "525" TO "524" -- TDZE CHANGED.
19. FAS DATA: CRC REMAINDER CHANGED FROM "C0D9C6F9" TO "3220B393", LTP/FTP COORDINATES CHANGED FROM "392516.4430N/1010254.2930W" TO "392516.4425N/1010254.2900W", ELLIPSOIDAL HEIGHT CHANGED FROM "+09370" TO "+09372", FPAP COORDINATES CHANGED FROM "392645.6100N/1010253.5100W" TO "392645.6170N/1010253.5070W", VAL CHANGED FROM "50.0" TO "35.0", AND LTP/FPAP ORTHOMETRIC HEIGHT CHANGED FROM "+09614" TO "+09617" -- FAC GEOMETRY CHANGED TO EFFECT 3.00 GPA.
20. CHANGED DISTANCE FAF TO MAP AND FAF TO THLD FROM "4.95" TO "5.01" ON PROFILE LINES 3 -- FIX VOFWE RELOCATED TO EFFECT 3.00 GPA.
21. CHANGED "LOGIY/2.80" TO "LOGIY/2.82" ON PROFILE LINE 4 -- FIX LOGIY RELOCATED TO EFFECT 3.00 GPA.
22. ADDED "4800" TO GP ALT AT FAF ON PROFILE LINE 6 -- UPDATED IAW 8260.19I, 8-6-7.F(4).
23. ADDED "CHART DENVER CENTER FREQUENCY" IN ADDITIONAL FLIGHT DATA -- REMOTE SITE; UPDATED IAW 8260.19I, 8-2-4.B(1).
24. ADDED BACKUP ALTIMETER NOTES -- FPT REQUEST.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZDV, KS STATE AERO, AMGR

FLIGHT CHECKED BY

BRIAN HARRELSON

Digitally signed by

JASON KRETSCHMER

Mar 09, 2022

OFFICE

FPO

DATE

03/08/2022

DEVELOPED BY

JASON KRETSCHMER (DANIEL C JOHNSEN)

Digitally signed by

JASON KRETSCHMER

Jan 31, 2022

OFFICE

AJV-A421

DATE

12/14/2021

APPROVED BY

MARLON ROBINSON

Digitally signed by

JASON KRETSCHMER

Jan 31, 2022

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	KCBK
RUNWAY	RW35
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W35A
LTP/FTP LATITUDE	392516.4425N
LTP/FTP LONGITUDE	1010254.2900W
LTP/FTP ELLIPSOIDAL HEIGHT	+09372
FPAP LATITUDE	392645.6170N
FPAP LONGITUDE	1010253.5070W
THRESHOLD CROSSING HEIGHT (TCH)	00048.2
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1192
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	3220B393

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K3
LTP ORTHOMETRIC HEIGHT	+09617
FPAP ORTHOMETRIC HEIGHT	+09617