

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> BARROW COUNTY	<u>AIRPORT ID</u> KWDR	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1D	<u>CITY</u> WINDER	<u>STATE</u> GA
<u>AIRPORT ELEVATION</u> 934	<u>TDZE</u> 922	<u>SUPERSEDED</u> RNAV (GPS) RWY 31	<u>ORIGINAL/AMENDMENT</u> 1C	<u>DATED</u> 09/15/2016	<u>MAG VAR</u> 5W
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 12 SEPTEMBER 2019	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>	<u>EPOCH YEAR</u> 2010

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>
AHN VOR/DME	IAF	CADEB	NOPT	TF	FB	1.00	240.97	9.39	3000
JOTNO	IAF	CADEB	NOPT	TF	FB	1.00	328.75	7.84	3000
CADEB	IF/IAF	BEYKA		TF	FB	1.00	313.75	6.74	2500
BEYKA	FAF	RW31	MAP	TF	FO	0.30	313.69	4.80	
RW31	MAP	1172 MSL		CA			313.69		
1172 MSL		AXADE		DF	FB	1.00			
AXADE		MATME		TF	FB	1.00	043.69	8.00	
MATME		PATTE		TF	FO	1.00	109.80	7.45	3000

MISSED APPROACH

MAP:

LPV: DA
 LNAV/VNAV: DA
 LNAV: RW31

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT AXADE AND RIGHT TURN ON TRACK 043.69 TO MATME AND ON TRACK 109.80 TO PATTE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE CADEB, RT, 313.75 INBOUND, 3000 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 313.69FAF: BEYKADIST FAF TO MAP: 4.80DIST FAF TO THLD: 4.80

4. MIN ALT: CADEB 3000, BEYKA 2500

5. DIST TO THLD FROM OM:MM:IM:150 HAT:250 HAT: 0.66GS ANT:

6. MIN GP INCPT: 2500GP ALT AT FAF : BEYKA 2500OM:MM:IM:

7. GP ANGLE: 3.0034:1: IS NOT CLEAR20:1: IS CLEARTCH: 40.8

8. MSA FROM: RW31 3700

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16°C OR ABOVE 54°C.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).
CHART NOTE: CIRCLING RWY 13, 23 NA AT NIGHT.
CHART NOTE: RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1SM, LNAV CAT A/B VISIBILITY TO 1 SM, CAT C/D TO 1 3/8 SM.
CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS.

ADDITIONAL FLIGHT DATA:

CHART VDP AT 1.46 NM TO RW31*
*LNAV ONLY
WAAS CHANNEL #69305
REFERENCE PATH ID: W31A
CHART FAS OBST: 1119 TOWER 335556N/0833711W.
HOLD NE, LT, 230.82 INBOUND
LTP HAE: 248.2 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD

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	1172	3/4	250	1172	3/4	250	1172	3/4	250	1172	3/4	250			
LNAV/VNAV DA	1274	3/4	352	1274	3/4	352	1274	3/4	352	1274	3/4	352			
LNAV MDA	1420	3/4	498	1420	3/4	498	1420	1	498	1420	1	498			
CIRCLING	1420	1	486	1500	1	566	1500	1 1/2	566	1500	2	566			

QUALITY
41
CHECKED

CHANGES - REASONS

1. REMOVED CHART NOTE "DME/DME RNP-0.3 NA" AND REPLACED WITH PBN NAVSPEC REQUIREMENT NOTE "RNP APCH" - PER 8260.19H PARA 8-6-8 B.(1).
2. ADDED NOTE "20:1 IS CLEAR" TO LINE 7 - PER 8260.19H PARA 8-6-7 G.(3)
3. UPDATED CHART NOTE FROM "NIGHT LANDING: RWY 13, 23 NA" TO "CIRCLING RWY 13, 23 NA AT NIGHT " - PER 8260.19H PARA 8-6-11 O.(2)(G).
4. REMOVED FAHRENHEIT DEGREES FROM UNCOMPENSATED BARO-VNAV NOTE - PER 8260.19H PARA8-6-9 S.
5. REMOVED CHART NOTE: FOR INOPERATIVE MALSR WHEN USING ATHENS ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY 3/8 MILE - KWDR IS ON WMSCR; NOTE NO LONGER REQUIRED PER 8260.19H PARA 8-6-9 F.(3).
6. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE ATHENS ALTIMETER SETTING AND INCREASE LPV DA ALL CATS TO 1229, LNAV/VNAV DA ALL CATS TO 1331, AND ALL MDA 60 FEET; INCREASE LNAV/VNAV VISIBILITY ALL CATS 1/4 MILE, INCREASE LNAV CATS C/D VISIBILITY 1/8 MILE AND CIRCLING CAT C VISIBILITY 1/4 MILE - KWDR IS ON WMSCR; NOTE NO LONGER REQUIRED PER 8260.19H PARA 8-6-9 F.(3).
7. RAISED LPV DA FROM 1170 TO 1172 ALL CATS - TDZE RAISED FROM 920 TO 922 PER NEW AIRPORT SURVEY.
8. RAISED LNAV/VNAV DA FROM 1272 TO 1274 ALL CATS - TDZE RAISED FROM 920 TO 922 PER NEW AIRPORT SURVEY.
9. INCREASED CIRCLING CAT A HAA FROM 477 TO 486, CAT C/D/E FROM 557 TO 566 - AIRPORT ELEVATION LOWERED FROM 943 TO 934 PER NEW AIRPORT SURVEY.
10. LOWERED LNAV HAT FROM 500 TO 498 ALL CATS - NEW SURVEY DATA RAISED TDZE FROM 920 TO 922.
11. UPDATED CHART NOTE FROM "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" TO "RWY 31 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - PER 8260.19H PARA 8-6-11 K. (3).
12. CHANGED CRC REMAINDER FROM E7F297BD TO 5F56BB81 - NEW AIRPORT SURVEY DATA USED.
13. CHANGED DISTANCE TO THLD FROM 250 HAT: 0.69 NM TO 0.66 NM - NEW AIRPORT SURVEY DATA USED.
14. ADDED CHART NOTE "FOR INOPERATIVE ALS, INCREASE LNAV/VNAV ALL CATS VISIBILITY TO 1SM, LNAV CAT A/B VISIBILITY TO 1 SM, CAT C/D TO 1 3/8 SM" - PER 8260.19H PARA 8-6-11 N.(1) (A) AND 8260.3D TABLES 3-3-1, 3-3-3 AND 3-3-4.
15. CHANGED MISSED APPROACH CA LEG FROM 1170 TO 1172 - NEW AIRPORT SURVEY DATA RAISED LPV DA FROM 1170 TO 1172.
16. ADDED CHART NOTE "INOPERATIVE TABLE DOES NOT APPLY TO LPV ALL CATS"- PER 8260.19H PARA 8-6-11 O.(3)(E) AND 8260.3C TABLE 3-3-1.
17. REMOVED CHART NOTE "BARO-VNAV NA WHEN USING ATHENS ALTIMETER SETTING" - KWDR IS ON WMSCR; NOTE NO LONGER REQUIRED PER 8260.19H PARA 8-6-9 F.(3).
18. RAISED BARO-VNAV NA NOTE FROM ABOVE 47C TO ABOVE 54C - PER 8260.58A FORMULA 3-3-6.
19. ADDED VDP - 20:1 VISUAL SURFACE IS CLEAR.

COORDINATED WITH:

A4A ☐ALPA ☒AOPA ☒APA ☐HAI ☐NBAA ☒OTHER: ZTL, ATL APP CON, ARPT MGR.

FLIGHT CHECKED BY

JOHN D JEFFERS

Digitally signed by

MARK D ADAMS

Apr 18, 2019

OFFICE

FICO

DATE

4/16/19

DEVELOPED BY Digitally signed by

VICTOR BOONE VICTOR C BOONE

OFFICE

AJV-5412

DATE

11/20/2018

APPROVED BY

LONNIE EVERHART

Feb 07, 2019

Digitally signed by

MARK D ADAMS

Mar 15, 2019

OFFICE

AJV-5410

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KWDR
RUNWAY	RW31
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W31A
LTP/FTP LATITUDE	335848.8955N
LTP/FTP LONGITUDE	0833939.4070W
LTP/FTP ELLIPSOIDAL HEIGHT	+02482
FPAP LATITUDE	335944.6345N
FPAP LONGITUDE	0834103.0990W
THRESHOLD CROSSING HEIGHT (TCH)	00040.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1352
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	5F56BB81

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+02776
FPAP ORTHOMETRIC HEIGHT	+02776

