

**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> BARTOW EXECUTIVE	<u>AIRPORT ID</u> KBOW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-C	<u>CITY</u> BARTOW	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 125	<u>TDZE</u> 124	<u>SUPERSEDED</u> RNAV (GPS) RWY 23	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>DATED</u> 01/14/2010	<u>MAG VAR</u> 4W	<u>EPOCH YEAR</u> 1995
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

**TAA**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>ALTITUDE</b></u>
1. 140/30 CW 320/30	NOPT	140/5 CW 320/5		2700
2. 140/5 CW 320/5		ZOMOV	IF/IAF	2200
3. 320/30 CW 050/30		320/5 CW 050/5		2300
4. 320/5 CW 050/5		BOONN	IAF	2200
5. 050/30 CW 140/30		050/5 CW 140/5		2300
6. 050/5 CW 140/5		ANTII	IAF	2200

**TERMINAL ROUTES**

<u><b>FROM</b></u>	<u><b>FIX TYPE</b></u>	<u><b>TO</b></u>	<u><b>FIX TYPE</b></u>	<u><b>LEG TYPE</b></u>	<u><b>FO/FB</b></u>	<u><b>RNP</b></u>	<u><b>COURSE</b></u>	<u><b>DISTANCE</b></u>	<u><b>ALTITUDE</b></u>
ANTII	IAF	ZOMOV	NOPT	TF	FB	1.00	140.13	5.00	2200
BOONN	IAF	ZOMOV	NOPT	TF	FB	1.00	320.19	5.00	2200
ZOMOV	IF/IAF	AKACA		TF	FB	1.00	230.16	6.10	1800
AKACA	FAF	JANGO/2.50 NM TO RW23		TF	FB	0.30	230.12	2.51	
JANGO/2.50 NM TO RW23		RW23	MAP	TF	FO	0.30	230.12	2.50	
RW23	MAP	454 MSL		CA			230.12		
454 MSL		FODBI		DF	FO	1.00			2300



**MISSED APPROACH****MAP:**

LPV: DA

LNAV/VNAV: DA

LNAV: RW23

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 2300 DIRECT FODBI AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:****PROFILE:**

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)

2. HOLD NE ZOMOV, RT, 230.16 INBOUND, 2200 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 230.12      FAF: AKACA      DIST FAF TO MAP: 5.01      DIST FAF TO THLD: 5.01

4. MIN ALT: ZOMOV 2200, AKACA 1800, JANGO/2.50 NM TO RW23 980\*

5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      330 HAT: 0.85      GS ANT:

6. MIN GP INCPT: 1800      GP ALT AT FAF : AKACA 1800      OM:      MM:      IM:

7. GP ANGLE: 3.00      34:1: IS NOT CLEAR      20:1: IS CLEAR      TCH: 60.0

8. MSA FROM:

**PBN REQUIREMENTS NOTE:**

RNP APCH.

**NOTES:**

CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET}).

CHART NOTE: CIRCLING RWY 09R, 27L NA AT NIGHT.

CHART NOTE: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.

CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE LPV DA TO 560 FT, LNAV/VNAV DA TO 681 FT AND ALL MDA 120 FT, INCREASE LPV ALL CATS VISIBILITY 1/4 SM, LNAV/VNAV ALL CATS 1/8 SM, LNAV CAT C 1/4 SM, CAT D 1/8 SM AND CIRCLING CAT C 1/8 SM, CAT D 1/4 SM.

CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C.

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

**ADDITIONAL FLIGHT DATA:**

CHART 419 TOWER 280056N/0814355W.

CHART VDP AT 1.10 NM TO RW23\*

\*LNAV ONLY

WAAS CHANNEL #63112

REFERENCE PATH ID: W23A

CHART FAS OBST: 275 TOWER 275710N/0814647W.

HOLD SW, RT, 050.01 INBOUND

LTP HAE: 11.1 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	454	1	330	454	1	330	454	1	330	454	1	330			
LNAV/VNAV DA	575	1 1/2	451	575	1 1/2	451	575	1 1/2	451	575	1 1/2	451			
LNAV MDA	580	1	456	580	1	456	580	1 3/8	456	580	1 1/2	456			
CIRCLING	600	1	475	600	1	475	600	1 1/2	475	680	2	555			

**CHANGES - REASONS**

1. CHANGED AIRPORT NAME FROM BARTOW MUNI TO BARTOW EXECUTIVE - PER IFP COORDINATION.
2. CIRCLING CAT A/B/C MDA/HAA CHANGED FROM 580/455 TO 600/475 - INCORPORATING P-NOTAM 9/1892, NEW CONTROLLING OBSTACLE.
3. CHANGED CHART NOTE FROM: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, PROCEDURE NA BELOW -15C (5F) OR ABOVE 48C (118F) TO: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -15C OR ABOVE 54C - 8260.19H 8-6-9.S.
4. REMOVED CHART NOTE: DME/DME RNP-0.3 NA AND ADDED RNP APCH TO PBN REQUIREMENTS NOTES - CURRENT NOTATION PER 8260.19H.
5. CHANGED CHART NOTE FROM: VISIBILITY REDUCTION BY HELICOPTERS NA TO: RWY 5 HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED - 20:1 PENETRATIONS NO LONGER EXIST, 8260.19H 8-6-11.K.
6. ADDED CHART VDP AT 1.10 NM TO RW23\* AND \*LNAV ONLY TO ADDITIONAL FLIGHT DATA - 20:1 PENETRATIONS NO LONGER EXIST, 8260.3D 2-6-5.
7. ADDED CHART NOTE: VDP NA WHEN USING TAMPA INTL ALTIMETER SETTING - VDP ESTABLISHED, 8260.3D 2-6-5.
8. CHANGED LNAV CAT C VISIBILITY FROM 1 1/4 SM TO 1 3/8 SM - 8260.3D TABLE 3-3-1.
9. CHANGED CHART NOTE FROM: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED; USE TAMPA INTL ALTIMETER SETTING AND INCREASE ALL DA 106 FEET AND MDA 120 FEET; INCREASE LPV AND LNAV/VNAV VISIBILITY ALL CATS 1/2 MILE, LNAV VISIBILITY CAT C AND D AND CIRCLING CAT D 1/4 MILE TO: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE TAMPA INTL ALTIMETER SETTING AND INCREASE LPV DA TO 560 FT, LNAV/VNAV DA TO 681 FT AND ALL MDA 120 FT, INCREASE LPV ALL CATS VISIBILITY 1/4 SM, LNAV/VNAV ALL CATS 1/8 SM, LNAV CAT C 1/4 SM, CAT D 1/8 SM AND CIRCLING CAT C 1/8 SM, CAT D 1/4 SM - ADDED CIRCLING CAT C VISIBILITY INCREASE, 8260.3D TABLE 3-3-1.
10. ADDED "MAX 6000" TO HOLD-IN-LIEU ON LINE 2 - PER .19H PARA 8-6-7B (2).
11. ADDED "20:1 IS CLEAR" ON LINE 7 - PER .19H PARA 8-6-7G (3).
12. ADDED "CHART NOTE: CIRCLING RWY 09R, 27L NA AT NIGHT" - NO SURVEY. UNABLE TO VERIFY VISUAL SURFACE CLEAR.
13. ADDED "CHART 419 TOWER 280056N/0814355W" IN ADDITIONAL FLIGHT DATA - 7:1 OBSTACLE.
14. COMBINED CHART NOTES: BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING AND: VDP NA WHEN USING TAMPA INTL ALTIMETER SETTING TO: VDP AND BARO-VNAV NA WHEN USING TAMPA INTL ALTIMETER SETTING - SIMPLIFY CHART NOTES.

06/19/2019: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/03/2019.  
1. CHANGED MISSED APPROACH INSTRUCTIONS TO READ "CLIMB TO 2300 DIRECT FODBI AND HOLD."



**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** TPA ATCT, ZMA, BOWATCT, BOW APT MGR

**FLIGHT CHECKED BY**

PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCTOBER 3, 2018, SUBJECT: FLIGHT INSPECTION REVIEW NOT REQUIRED

**OFFICE**

**DATE**

*Digitally signed by*

**DAVID DANNER**

Jun 24, 2019

**OFFICE**

**DATE**

AJV-A421

03/18/2019

**DEVELOPED BY**

DAVID DANNER (ANTHONY CAPPABIANCO)

*Digitally signed by*

**DAVID DANNER**

Jun 24, 2019

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*

**DAVID DANNER**

Jun 24, 2019

**OFFICE**

**DATE**

AJV-A420

**TITLE**

MANAGER



**FAS DATA BLOCK INFORMATION**

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KBOW
RUNWAY	RW23
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W23A
LTP/FTP LATITUDE	275651.6670N
LTP/FTP LONGITUDE	0814641.6710W
LTP/FTP ELLIPSOIDAL HEIGHT	+00111
FPAP LATITUDE	275549.7000N
FPAP LONGITUDE	0814754.1400W
THRESHOLD CROSSING HEIGHT (TCH)	00060.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1224
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	50.0
CRC REMAINDER	FCEAC689

**ADDITIONAL PATH POINT RECORD INFORMATION**

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00373
FPAP ORTHOMETRIC HEIGHT	+00373



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

<u>AIRPORT</u> BARTOW EXECUTIVE	<u>AIRPORT ID</u> KBOW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BARTOW	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 125	<u>FACILITY</u> RNAV
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PART A: OBSTRUCTION DATA SEGMENTS

STRAIGHT-IN AREA

<u>FROM</u> 140/30 CW 320/30	<u>TO</u> 140/5 CW 320/5
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
1.TOWER (12-003655)	280538.00N/0810727.00W	1631	20	3	5D	1000					2700
2.TERRAIN	283315.00N/0814306.00W	335 (300)								AS1500	1800

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:

STRAIGHT-IN AREA

<u>FROM</u> 140/5 CW 320/5	<u>TO</u> ZOMOV
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<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (12-002269)	280736.00N/0813302.00W	1134	500	50	5D	1000					2200
4.TERRAIN	280239.00N/0813130.00W	247 (200)								AS1500	1700

COMPUTATIONS

<u>ALT</u>	<u>KIAS</u>	<u>KTAS</u>	<u>HAA</u>	<u>VKTW</u>	<u>TR</u>	<u>BA</u>	<u>DTA</u>	<u>COURSE CHANGE</u>	<u>DVEB</u>	<u>VEB OCS</u>	<u>RF CENTER FIX/DISTANCE</u>
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SEGMENT REMARKS:



LEFT BASE AREA

FROM

320/30 CW 050/30

TO

320/5 CW 050/5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (12-002139)	275016.00N/0815652.00W		1242	500	50	5D	1000					2300
6.TERRAIN	275609.00N/0813439.00W		296 (300)								AS1500	1800

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

LEFT BASE AREA

FROM

320/5 CW 050/5

TO

BOONN

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.TOWER (12-003986)	280035.00N/0813557.00W		655	500	50	5D	1000				AT545	2200
6.TERRAIN	275609.00N/0813439.00W		296 (300)								AS1500	1800

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



RIGHT BASE AREA

FROM

050/30 CW 140/30

TO

050/5 CW 140/5

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
5.TOWER (12-002139)	275016.00N/0815652.00W		1242	500	50	5D	1000					2300
8.TERRAIN	275803.00N/0815515.00W		270 (300)								AS1500	1800

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

RIGHT BASE AREA

FROM

050/5 CW 140/5

TO

ANTII

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
9.TOWER (12-002751)	280508.40N/0814916.74W		675	50	20	2C	1000				AT525	2200
10.TERRAIN	280257.00N/0813648.00W		247 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:





INITIAL

FROM

ANTII

TO

ZOMOV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.00											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
11.TOWER (12-002173)	280410.00N/0813639.00W		529	500	50	5D	1000				AT671	2200
12.TERRAIN	280527.00N/0813657.00W		233 (200)								AT1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

INITIAL

FROM

BOONN

TO

ZOMOV

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.00											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
7.TOWER (12-003986)	280035.00N/0813557.00W		655	500	50	5D	1000				AT545	2200
10.TERRAIN	280257.00N/0813648.00W		247 (200)								AS1500	1700

COMPUTATIONS

ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



INTERMEDIATE

FROM

ZOMOV (IF/IAF)

TO

AKACA

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	6.10											
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
7.TOWER (12-003986)	280035.00N/0813557.00W	655	500	50	5D	500				AT645	1800	
10.TERRAIN	280257.00N/0813648.00W	247 (200)								AS1500	1700	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: LPV

FROM

AKACA

TO

DA

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
	5.01		DA	330								
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
13.TREE (KBOWT287)	275711.14N/0814622.33W	198	50	20	2C		27.03:1			AC20	454	

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM

AKACA

TO

DA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.01		DA	451								
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
14.TOWER (12-003654)	275710.00N/0814647.00W		275	250	50	4D		PDA			AC50	575

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

FINAL: LNAV

FROM

AKACA

TO

JANGO/2.50 NM TO RW23

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	2.51											
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
15.TOWER (12-001482)	280011.00N/0814524.00W		605	50	20	5D	250				RA106 SA-222 DG241	980

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:



FINAL: LNAV STEPDOWN

FROM

JANGO/2.50 NM TO RW23

TO

RW23

<u>RNP</u>	<u>DISTANCE</u> 2.50	<u>PAT</u>	<u>MAP</u> RW23	<u>HAT</u> 456			<u>HMAS</u>					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
14.TOWER (12-003654)	275710.00N/0814647.00W		275	250	50	4D	250				AC50	580

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

HOLD-IN-LIEU OF PT

FROM

ZOMOV

TO

P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u> P-4	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
3.TOWER (12-002269)	280736.00N/0813302.00W	1134	500	50	5D	1000					2200
10.TERRAIN	280257.00N/0813648.00W	247 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



MISSED APPROACH : LPV

FROM

DA

TO

FODBI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u> 225				
<u>OBSTRUCTION</u>	<u>COORDINATES</u>	<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
							ASC				2300
5.TOWER (12-002139)	275016.00N/0815652.00W	1242	500	50	5D	1000					2300
16.TERRAIN	275148.00N/0814824.00W	217 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
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SEGMENT REMARKS:

MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

FODBI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
							414					
<u>OBSTRUCTION</u>	<u>COORDINATES</u>		<u>ELEV MSL</u>	<u>HORZ</u>	<u>VERT</u>	<u>AC</u>	<u>ROC</u>	<u>OCS</u>	<u>CG</u>	<u>CGTA</u>	<u>ADJUSTMENTS</u>	<u>MIN ALT</u>
								ASC				2300
5.TOWER (12-002139)	275016.00N/0815652.00W		1242	500	50	5D	1000					2300
16.TERRAIN	275148.00N/0814824.00W		217 (200)								AS1500	1700

COMPUTATIONS	ALT	KIAS	KTAS	HAA	VKTW	TR	BA	DTA	COURSE CHANGE	DVEB	VEB OCS	RF CENTER FIX/DISTANCE
--------------	-----	------	------	-----	------	----	----	-----	---------------	------	---------	------------------------

SEGMENT REMARKS:



MISSED APPROACH : LNAV

FROM

RW23

TO

FODBI

RNP	DISTANCE	PAT	MAP	HAT			HMAS				
							480				
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
							ASC				2300
5.TOWER (12-002139)	275016.00N/0815652.00W	1242	500	50	5D	1000					2300
16.TERRAIN	275148.00N/0814824.00W	217 (200)								AS1500	1700

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

CIRCLING

☐

ALL CATS

☒

CAT A

☒

CAT B

☒

CAT C

☒

CAT D

☐

CAT E

☐

NOT AUTHORIZED

OBSTRUCTION	COORDINATES	RADIUS	HAA	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
CATEGORY A											
17.TOWER (12-004718)	275735.92N/0814651.50W	1.30	475	283	20	3	1A	300			600
CATEGORY B											
17.TOWER (12-004718)	275735.92N/0814651.50W	1.50	475	283	20	3	1A	300			600
CATEGORY C											
17.TOWER (12-004718)	275735.92N/0814651.50W	1.70	475	283	20	3	1A	300			600
CATEGORY D											
18.TOWER (12-003854)	275436.00N/0814540.00W	2.30	555	363	50	3	2A	300			680

CIRCLING REMARKS:



<u>AIRPORT</u> BARTOW EXECUTIVE	<u>AIRPORT ID</u> KBOW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BARTOW	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 125	<u>FACILITY</u> RNAV
<u>CENTER</u>		<u>RADIUS</u>					
<u>MSA REMARKS:</u>							
<u>NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:</u>							

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"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	LPV, LNAV/VNAV, LNAV		
34:1			
177 TREE (12-031194) 275703.00N/0814633.92W (22.51)		179 TREE (12-031193) 275702.91N/0814632.29W (21.59)	
184 TREE (12-031433) 275705.26N/0814632.18W (21.54)		192 TREE (12-031434) 275705.99N/0814628.68W (21.39)	
176 TREE (12-031411) 275659.95N/0814629.42W (19.24)		176 TREE (12-031412) 275702.31N/0814629.48W (14.49)	
170 TREE (12-031409) 275658.77N/0814628.63W (14.17)		186 TREE (12-031435) 275707.61N/0814629.76W (14.1)	
186 TREE (12-031436) 275705.65N/0814627.40W (13.66)		166 TREE (12-031192) 275659.63N/0814631.25W (13.38)	
159 TREE (12-031407) 275657.91N/0814633.03W (13.3)		157 TREE (12-031406) 275657.11N/0814633.04W (12.97)	
191 TREE (12-030699) 275708.38N/0814627.28W (12.81)		178 TREE (12-031413) 275703.12N/0814628.14W (12.28)	
166 TREE (12-037606) 275659.60N/0814630.53W (12.07)		158 TREE (12-031236) 275659.63N/0814634.58W (11.7)	
158 TREE (12-030635) 275658.85N/0814633.59W (11.43)		165 TREE (12-091593) 275658.80N/0814629.85W (11.43)	
161 TREE (12-030631) 275701.30N/0814634.16W (10.46)		160 TREE (12-031410) 275659.69N/0814632.44W (9.51)	
158 TREE (12-031408) 275657.83N/0814631.38W (9.33)		171 TREE (12-037604) 275703.76N/0814630.57W (8.57)	
170 TREE (12-031235) 275659.69N/0814626.34W (7.92)		152 TREE (12-091595) 275656.45N/0814632.09W (7.52)	
141 TREE (12-031364) 275654.66N/0814635.50W (6.69)		142 TREE (12-093298) 275655.67N/0814636.03W (6.62)	
180 TREE (12-093456) 275704.61N/0814625.67W (6.51)		174 TREE (12-031437) 275701.01N/0814624.82W (6.31)	
154 TREE (12-031404) 275656.76N/0814630.73W (6.3)		176 TREE (12-030941) 275704.46N/0814627.42W (6.15)	
196 TREE (12-030700) 275710.81N/0814623.75W (6.09)		171 TREE (12-031232) 275701.92N/0814626.87W (5.33)	
150 TREE (12-030633) 275700.06N/0814635.72W (4.98)		198 TREE (12-030698) 275711.14N/0814622.33W (4.71)	
191 TREE (12-030483) 275711.58N/0814626.46W (4.65)		174 TREE (12-031233) 275703.17N/0814626.25W (4.58)	
184 TREE (12-030696) 275706.18N/0814624.19W (4.47)		182 TREE (12-035634) 275706.34N/0814625.37W (4.38)	
163 TREE (12-091459) 275700.20N/0814628.57W (4.11)		188 TREE (12-030697) 275708.62N/0814624.29W (3.63)	
152 TREE (12-030632) 275701.41N/0814635.39W (3.58)		170 TREE (12-030477) 275705.03N/0814629.66W (3.23)	
172 TREE (12-035633) 275702.19N/0814625.10W (2.42)		186 TREE (12-093455) 275709.61N/0814624.81W (0.58)	
180 TREE (12-030935) 275704.09N/0814621.76W (0.15)			

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



and/or

### 5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS

**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT VEGETATION PER FPT.

60' TCH USED TO MITIGATE VGS PENETRATION.

ORDER 8260.3 CHAPTER 2 APPLIED TO 419 TOWER 280056N/0814355W.

CIRCLING RWY 09R, 27L NA AT NIGHT. NO SURVEY. UNABLE TO VERIFY VISUAL SURFACE CLEAR.



<u>AIRPORT</u> BARTOW EXECUTIVE	<u>AIRPORT ID</u> KBOW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BARTOW	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 125	<u>FACILITY</u> RNAV
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PART D: AIRSPACE

DOCKET #

ALL DISTANCES TO 1/100NM; ELEVATION TO NEAREST 100 FEET; COORDINATES TO 1/100 SECOND; DEG TO 1/100 DEGREE

DISTANCE FROM	THLD	TO 1000FT POINT	3.20
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.70
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	226.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	191
DISTANCE FROM	THLD	TO 1500FT POINT	4.81
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	226.12
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	191

THRESHOLD  
COORDINATES  
(IF STR-IN)

275651.67N/0814641.67W

ARP COORDINATES

275636.10N/0814700.30W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 27R DISTANCE 0.45 NM

FAF  
COORDINATES

280020.65N/0814237.00W

FIX NAME  
COORDINATES

IAF ANTII: 280811.84N/0814133.8W, IF/IAF ZOMOV: 280434.93N/0813738.76W, IAF BOONN: 280057.91N/0813343.98W

REMARKS

TAA RADIUS: 30 NM.

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<u>AIRPORT</u> BARTOW EXECUTIVE	<u>AIRPORT ID</u> KBOW	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 23	<u>AMDT NO.</u> ORIG-C	<u>CITY</u> BARTOW	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 125	<u>FACILITY</u> RNAV
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PART E: PREPARED BY

<u>NAME</u> DAVID DANNER (ANTHONY CAPPABIANCO)	<u>OFFICE</u> AJV-A421	<u>DATE</u> 03/18/2019	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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