

**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> LAUREL	<u>AIRPORT ID</u> KN06	<u>PROCEDURE NAME</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>CITY</u> LAUREL	<u>STATE</u> DE
<u>AIRPORT ELEVATION</u> 30	<u>TDZE</u>	<u>SUPERSEDED</u> RNAV (GPS)-A	<u>ORIGINAL/AMENDMENT</u> ORIG	<u>DATED</u> 04/05/2012	<u>MAG VAR</u> 12W <u>EPOCH YEAR</u> 2000
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<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>
ATR VOR/DME		GIBAE		TF	FB	1.00	212.23	21.31	1800
SBY VORTAC	IAF	NEIDA	NOPT	TF	FB	1.00	047.08	5.41	1800
GIBAE	IAF	NEIDA	NOPT	TF	FB	1.00	238.55	5.00	1800
NEIDA	IF/IAF	WIKIE		TF	FB	1.00	328.50	4.88	1700
WIKIE	FAF	RW33	MAP	TF	FO	0.30	328.46	5.12	
RW33	MAP	430 MSL		CA			328.46		
430 MSL		NEIDA		DF	FO	1.00			1800

**MISSED APPROACH**

**MAP:**

RW33

**MISSED APPROACH INSTRUCTIONS:**

CLIMBING RIGHT TURN TO 1800 DIRECT NEIDA AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF (IAF)

2. HOLD SE NEIDA, RT, 328.50 INBOUND, 1800 FT. IN LIEU OF PT (IAF), MAX 6000.

3. FAC: 328.46

FAF: WIKIE

DIST FAF TO MAP: 5.12

DIST FAF TO THLD:

4. MIN ALT: NEIDA 1800, WIKIE 1700

5. DIST TO THLD FROM OM:

MM:

IM:

150 HAT:

GS ANT:

6. MIN GP INCPT:

GP ALT AT FAF :

OM:

MM:

IM:

7. GP ANGLE:

34:1: IS NOT CLEAR

20:1: IS NOT CLEAR

TCH:

8. MSA FROM: RW33 2100

PBN REQUIREMENTS NOTE:

RNP APCH

NOTES:

CHART NOTE: PROCEDURE NA AT NIGHT.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT ATR VOR/DME ON V308 EASTBOUND.  
CHART PLANVIEW NOTE: PROCEDURE NA FOR ARRIVALS AT SBY VORTAC ON V29 SOUTHBOUND.  
CHART NOTE: USE SALISBURY ALTIMETER SETTING, WHEN NOT RECEIVED, USE GEORGETOWN ALTIMETER SETTING.

ADDITIONAL FLIGHT DATA:

CHART PROFILE NOTE: VISUAL SEGMENT - OBSTACLES.  
CHART R-4006  
CHART FAS OBST: 542 TOWER 383040N/0753318W.

MINIMUMS:

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

ALTERNATE: NA ☒

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
CIRCLING	880	1 1/4	850	880	1 1/4	850		NA			NA				



**CHANGES - REASONS**

1. DELETED CHART NOTE: DME/DME RNP-0.3 NA - IAW 8260.19H 8-6-8 (B(1)) PBN NAVSPEC.
2. PBN REQUIREMENTS NOTE: RNP APCH - IAW 8260.19H 8-6-8 (B(1)) PBN NAVSPEC.
3. ADDED ADDITIONAL FLIGHT DATA PROFILE NOTE" VISUAL SEGMENT - OBSTACLES - FLIGHT INSPECTION RESULTS OF 2/28/2018 FOUND OBSTRUCTIONS WITHIN THE VISUAL SEGMENT OF THIS PROCEDURE.
4. DELETED ADDITIONAL FLIGHT DATA NOTE: 3.00/TCH 40 - FLIGHT INSPECTION FINDINGS ON 2/28/2018 OF OBSTRUCTIONS WITHIN THE VISUAL SEGMENT, WARRANTED REMOVAL OF THIS NOTE.
5. ADDED 20:1 IS NOT CLEAR TO LINE 7 OF -3 FORM - - IAW 8260.19H 8-6-7 (G(3)) FOR DOCUMENTING CLEAR SLOPES FOR RNAV PROCEDURE.
6. ADDED MAXIMUM ALTITUDE "6000" AT FIX NEIDA - NEW REPORTS FORMAT NOW INCLUDES MAXIMUM HOLDING ALTITUDES AT HOLD-IN-LIEU FIXES.
7. DELETED HELICOPTER VISIBILITY NOTE: VISIBILITY REDUCTION BY HELICOPTERS NA - CAT A VISIBILITY IS 1 1/4 SM, ONLY REDUCTION TO VISIBILITY IS 1 OR 3/4 SM. NOTE NOT REQUIRED.

NOTAM FDC 8/3800 INCORPORATED INTO AMENDMENT, NOTAM CANCELLED.

PDF EDIT 10/11/18: JAMES LAFFERTY, REMOVED NEW CIRCLING DIMENSIONS STATEMENT "ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED" FROM REMARKS SECTION C.

PDF EDIT 10/11/18: JAMES LAFFERTY, CHANGED DATE OF STATEMENT "FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-333) MEMO, DEC 22, 2017" FROM "DEC 22, 2017" TO "OCT 3, 2018".

**COORDINATED WITH:**

**A4A** ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** NHK APP CON, ZDC, EST FPO, AIRPORT MANAGER

**FLIGHT CHECKED BY**

FLIGHT INSPECTION REVIEW NOT REQUIRED - PROCESSED IAW AIRCRAFT OPERATIONS GROUP (AJW-33) MEMO, OCT 3, 2018.

**OFFICE**

*Digitally signed by*

**DATE**

**DAVID TEFFETELLER**

Oct 24, 2018

**DEVELOPED BY**

*Digitally signed by*

JAMES LAFFERTY

**JAMES LAFFERTY**

Oct 17, 2018

**OFFICE**

AJV-5433

**DATE**

10/11/2018

**APPROVED BY**

PATRICK MULQUEEN

*Digitally signed by*

**DAVID TEFFETELLER** AJV-5430

Oct 24, 2018

**OFFICE**

**DATE**

**TITLE**

MANAGER



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

AIRPORT  
LAUREL

AIRPORT ID  
KN06

PROCEDURE NAME  
RNAV (GPS)-A

AMDT NO.  
ORIG-A

CITY  
LAUREL

STATE  
DE

AIRPORT ELEVATION  
30

FACILITY  
RNAV

**PART A: OBSTRUCTION DATA SEGMENTS**

**FEEDER**

**FROM**

ATR VOR/DME

**TO**

GIBAE

RNP

DISTANCE

21.31

PAT

MAP

HAT

HMAS

<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 (10-000038)	383433.00N/0752017.00W	440	500	50	5D	1000				AT360	1800
2.TERRAIN	382924.00N/0752339.00W	56 (100)								AS1500	1600

**COMPUTATIONS**

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

**SEGMENT**  
**REMARKS:**

**INITIAL**

**FROM**

SBY VORTAC

**TO**

NEIDA

RNP

DISTANCE

5.41

PAT

MAP

HAT

HMAS

<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.AAO	382354.00N/0752815.00W	285	164	98	4E	1000				AT515	1800
4.TERRAIN	382354.00N/0752815.00W	85 (100)								AS1500	1600

**COMPUTATIONS**

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

**SEGMENT**  
**REMARKS:**

QUALITY  
16  
CHECKED

INITIAL

FROM

GIBAE

TO

NEIDA

<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>
5.AAO	382348.00N/0752800.00W	282	164	98	4E	1000				AC98 AT420	1800
6.TERRAIN	382333.00N/0752642.00W	75 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:

INTERMEDIATE

FROM

NEIDA (IF/IAF)

TO

WIKIE

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	4.88										
<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 (24-000908)	382646.00N/0752828.00W	319	50	20	2C	500				AT881	1700
8.TERRAIN	382354.00N/0722815.00W	85 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:



FINAL: LNAV

FROM

WIKIE

TO

RW33

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	5.12		RW33									
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.TOWER (10-000186)	383040.00N/0753318.00W		542	50	20	2C	250				RA33 XP55	880

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:  
XP: ADDED ADJUSTMENT TO MAINTAIN CURRENT PUBLISHED MINIMA.  
HOLD-IN-LIEU OF PT

FROM

NEIDA

TO

P-4

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
		P-4										
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
10.TOWER (24-000090)	382312.00N/0751726.00W		683	500	50	5D	1000				AT117	1800
11.TERRAIN	382354.00N/0752815.00W		85 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT  
REMARKS:



MISSED APPROACH : LNAV

FROM

RW33

TO

NEIDA

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
							747				
<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				1800
9.TOWER (10-000186)	383040.00N/0753318.00W	542	50	20	4D	1000					1600
12.TERRAIN	382354.00N/0752815.00W	285 (300)								AS1500	1800

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											
13.TRANSMISSION_LINE (10-000152)	383331.00N/0753450.00W	1.30	850	179	20	3	1A	300		SI	880
CATEGORY B											
13.TRANSMISSION_LINE (10-000152)	383331.00N/0753450.00W	1.50	850	179	20	3	1A	300		SI	880

CIRCLING REMARKS:

OLD CIRCLING CRITERIA DIMENSIONS USED FOR PROCEDURE AMENDMENT

MSA

CENTER

RW33

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (24-000418)	383006.00N/0754408.00W	264	07.2	1049	250	50	5D	1000			2100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



AIRPORT  
LAUREL

AIRPORT ID  
KN06

PROCEDURE NAME  
RNAV (GPS)-A

AMDT NO.  
ORIG-A

CITY  
LAUREL

STATE  
DE

AIRPORT ELEVATION  
30

FACILITY  
RNAV







**PART C: GENERAL REMARKS:**

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

PROCEDURE MEETS STRAIGHT-IN CRITERIA. CIRCLING ONLY PROCEDURE AS DIRECTED BY FPT PER CHECKLIST. (TURF RWY/NO SURVEY)

UNABLE TO VERIFY IF 20:1 SURFACES CLEAR, NO SURVEY.

PROCEDURE BUILT TO 3.00/40



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	3.12
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.67
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	316.46
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	56
DISTANCE FROM	THLD	TO 1500FT POINT	4.92
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	2.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	316.46
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	46
THRESHOLD COORDINATES (IF STR-IN)			
ARP COORDINATES	383231.86N/0753539.67W		
RUNWAY APCH END AND DIST FURTHEST FROM ARP	RUNWAY 33 DISTANCE 0.26 NM		
FAF COORDINATES	382840.29N/0753057.61W		
FIX NAME COORDINATES			
REMARKS			



PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
JAMES LAFFERTY	AJV-5433	10/11/2018	AERONAUTICAL INFORMATION SPECIALIST

