

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> SEBRING RGNL	<u>AIRPORT ID</u> KSEF	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-B	<u>CITY</u> SEBRING	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 62	<u>TDZE</u> 60	<u>SUPERSEDED</u> RNAV (GPS) RWY 32	<u>ORIGINAL/AMENDMENT</u> ORIG-A	<u>DATED</u> 05/28/2015	<u>MAG VAR</u> 5W	<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>
YOHOR	IF/IAF	LUGEY		TF	FB	1.00	319.91	6.66	1700
LUGEY	FAF	RW32	MAP	TF	FO	0.30	319.87	5.03	
RW32	MAP	420 MSL		CA			319.87		
420 MSL		CUNSI		DF	FO	1.00			2000

MISSED APPROACH

MAP:

LP: RW32
LNAV: RW32

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 2000 DIRECT CUNSI AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

PROFILE:

1. PT **SIDE OF COURSE** **OUTBOUND** **FT WITHIN** **MILES OF (IAF)**
2. HOLD SE YOHOR, RT, 319.91 INBOUND, 2000 FT. IN LIEU OF PT (IAF), MAX 6000.
3. **FAC:** 319.87 **FAF:** LUGEY **DIST FAF TO MAP:** 5.03 **DIST FAF TO THLD:** 5.03
4. **MIN ALT:** YOHOR 2000, LUGEY 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 CLEAR** **20:1: IS CLEAR** **TCH:**
8. **MSA FROM:** RW32 1900

PBN REQUIREMENTS NOTE:



RNP APCH.

NOTES:

CHART NOTE: CIRCLING RWY 14 NA AT NIGHT.

ADDITIONAL FLIGHT DATA:

LUGEY TO RW32: 3.00/40
CHART: R-2901 A, B, H, I, G, F
CHART CIRCLING ICON.
CHART VDP AT 1.01 NM TO RW32
WAAS CHANNEL #48925
REFERENCE PATH ID: W32A
CHART FAS OBST: 171 TOWER 272618N/0811829W.
HOLD NW, RT, 139.76 INBOUND
LTP HAE: -8.5 M

MINIMUMS:**TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 900-2 3/4

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
LP MDA	420	1	360	420	1	360	420	1	360	420	1	360			
LNAV MDA	480	1	420	480	1	420	480	1 1/8	420	480	1 1/8	420			
CIRCLING	600	1	538	600	1	538	600	1 1/2	538	880	2 3/4	818			

CHANGES - REASONS

1. P-NOTAM 5/8366 INCORPORATED. T-NOTAM ISSUED PER PERIODIC REVIEW. NOTAM 8/3545 RESOLUTION TO CHANGE LNAV MDA/HAT FROM 420/360 TO 480/420; LNAV CAT C AND D VISIBILITIES FROM 1 TO 1 1/8 MILE - IAW 8260.19H 8-3-4C(3), LNAV CONTROLLING OBSTACLE CHANGED FROM "159 TREE 272604N/08118850W" TO "171 TOWER (12-096090) 272618N/0811829W.
2. CIRCLING CAT D MDA/HAA/VIS CHANGED FROM 620/558/2 TO 880/818/2 3/4 - CAT D CONTROLLING OBSTACLE CHANGED FROM "244 TANK (12-002665) 272721.00N/0812048.00W" TO "527 TOWER (12-001984) 272715.00N/0812422.00W".
3. ADDED PBN EQUIPMENT REQUIREMENTS NOTE: RNP APCH - NEW EQUIPMENT NOTE REQUIREMENT PER 8260.19H.
4. DELETED CHART NOTE: DME/DME RNP-0.3 NA - NEW NOTES FORMATTING PER 8260.19H.
5. CHANGED LINE 7 NOTE FROM "34:1 IS NOT CLEAR" TO "20:1 IS CLEAR, 34:1 IS CLEAR"- NO LONGER LIST 20:1 PENETRATIONS FOR CAT C/D IAW 8260.19H PARA 8-5-7G(3). 20:1 AND 34:1 SURFACES HAVE NO PENETRATIONS.
6. REMOVED CHART NOTE: "HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - IAW 8260.19H PARA 8-6-5I(3). 20:1 IS CLEAR, 34:1 IS CLEAR.
7. ADDITIONAL FLIGHT DATA: CHANGED CHART FAS OBST FROM "159 TREE 272604N/08118850W" TO "171 TOWER (12-096090) 272618N/0811829W - LNAV CONTROLLING OBSTACLE UPDATE.
8. CHARTED CIRCLING ICON - IAW 8260.19H PARA 8-7-1D(12).
9. REMOVED "CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERO BEACH ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET; INCREASE LP CATS C AND D VISIBILITIES 3/8 MILE; LNAV CATS C AND D VISIBILITIES 1/2 MILE AND CIRCLING CATS C VISIBILITY 1/4 MILE" - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
10. REMOVED "NA WHEN LOCAL WEATHER NOT AVAILABLE" - PRIMARY ALTIMETER SOURCE LOCAL, ON-AIRPORT AND ON WMSCR.
11. REMOVED CHART NOTE "NIGHT LANDING: RWY 14, 32 NA". ADDED "CHART NOTE: CIRCLING RWY 14 NA AT NIGHT" - RWY 14 20:1 PENETRATION (CAT A/B). RWY 32 HAS NO 20:1 PENETRATIONS FOR CAT A/B. NO LONGER LIST 20:1 PENETRATIONS BASED ON CAT C/D - NOTE REVISED. IAW 8260.19H PARA 8-6-11O(2)(G).
12. ADDED MAX 6000 TO LINE 2 - IAW 8260.19H PARA 8-6-7B(2)A.
13. ADDED "CHART VDP AT 1.01 NM TO RW32" TO ADDITIONAL FLIGHT DATA - IAW 8260.19H PARA 8-6-9E(9).

QUALITY
24
CHECKED

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZMA, AMGR

FLIGHT CHECKED BY

OFFICE

DATE

DEVELOPED BY

Digitally signed by

KWEKU DONKOR

KWEKU DONKOR

Aug 29, 2018

OFFICE

AJV-5433

DATE

06/11/2018

APPROVED BY

PATRICK MULQUEEN

OFFICE

AJV-5430

DATE

TITLE

MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSEF
RUNWAY	RW32
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W32A
LTP/FTP LATITUDE	272709.1820N
LTP/FTP LONGITUDE	0812010.4865W
LTP/FTP ELLIPSOIDAL HEIGHT	-00085
FPAP LATITUDE	272812.1800N
FPAP LONGITUDE	0812121.5200W
THRESHOLD CROSSING HEIGHT (TCH)	00040.0
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	1232
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	0.0

CRC REMAINDER	F3F063B6
---------------	----------

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K7
LTP ORTHOMETRIC HEIGHT	+00174
FPAP ORTHOMETRIC HEIGHT	+00174



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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
SEBRING RGNL	KSEF	RNAV (GPS) RWY 32	ORIG-B	SEBRING	FL	62	RNAV

PART A: OBSTRUCTION DATA SEGMENTS

INTERMEDIATE

FROM
YOHOR (IF/IAF)

TO
LUGEY

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	6.66										
<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.AAO	272039.00N/0810945.00W	243	250	125	4E	500				AT859 AC98	1700
2.TERRAIN	272351.00N/0811348.00W	43 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT
REMARKS:

FINAL: LP

FROM
LUGEY

TO
RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>				
	5.03		RW32		360						
<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.TREE	272603.54N/0811849.52W	159	50	20	2C	250					420

COMPUTATIONS

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

SEGMENT
REMARKS:



FINAL: LNAV

FROM
LUGEY

TO
RW32

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
	5.03		RW32	420								
<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>
4.TOWER (12-096090)	272618.05N/0811828.79W		171	250	50	4D	250				AC50	480

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT
REMARKS:

HOLD-IN-LIEU OF PT

FROM
YOHOR

TO
P-4

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
		P-4										
<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 (12-003941)	271407.40N/0810330.73W		345	20	3	1A	1000				AT655	2000
6.TERRAIN	272236.00N/0810839.00W		50 (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 : LP

FROM

RW32

TO

CUNSI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
320												
<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				2000
7.TOWER (12-002855)	272938.42N/0812457.78W		609	20	3	1A	1000					1700
8.TERRAIN	273603.00N/0812833.00W		184 (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

RW32

TO

CUNSI

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>	<u>HAT</u>			<u>HMAS</u>					
380												
<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				2000
7.TOWER (12-002855)	272938.42N/0812457.78W		609	20	3	1A	1000					1700
8.TERRAIN	273603.00N/0812833.00W		184 (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											
9.TANK (12-002665)	272721.00N/0812048.00W	1.30	538	243	500	50	5D	300		AC50	600
CATEGORY B											
9.TANK (12-002665)	272721.00N/0812048.00W	1.81	538	243	500	50	5D	300		AC50	600
CATEGORY C											
9.TANK (12-002665)	272721.00N/0812048.00W	2.84	538	243	500	50	5D	300		AC50	600
CATEGORY D											
10.TOWER (12-001984)	272715.00N/0812422.00W	3.71	818	527	500	50	5D	300		AC50	880

CIRCLING REMARKS:

MSA

CENTER	RADIUS
RW32	25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (12-004424)	273838.60N/0814758.80W	300	27.2	813	20	3	5D	1000			1900

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

TAA NOT DEVELOPED PER FPT

LPV AND LNAV/VNAV NOT DEVELOPED PER FPT

100 FT TREES USED PER FPT

PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH



<u>WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
AWOS	KSEF	24	KSEF	0	Y	0
<u>BACK-UP WX SERVICE</u>	<u>LOCATION</u>	<u>HRS OPERATION</u>	<u>ALTIMETER SOURCE</u>	<u>DISTANCE</u>	<u>SERVICE-A</u>	<u>ADJUSTMENTS</u>
ASOS	KVRB	24	KVRB	50.64	Y	122

WX REMARKS:
RASS PRESSURE PATTERNS THE SAME
KSEF 61.6, KVRB 23.5
RA = 121.9.

<u>PRIMARY NAVAID</u>	<u>MONITOR POINT</u>	<u>HRS OPERATION</u>	<u>CAT</u>
<u>APPROACH AND RUNWAY LIGHTING SYSTEM</u>		<u>RUNWAY MARKINGS</u>	<u>RUNWAY VISUAL RANGE</u>
RW01 - MIRL, REIL, PAPI-4L		NPI-G	
RW14		NPI-G	
RW19 - MIRL, REIL, PAPI-4L		NPI-G	
RW32		NPI-G	

<u>GLIDESLOPE ANGLE</u>	<u>ELEV RWY THRESHOLD</u>	<u>TCH</u>	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u>	<u>TCH</u>
<u>FINAL APPROACH COURSE AIMING</u>						
RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE			
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE				
<u>CRITICAL TEMPERATURES</u>						
<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>			

CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

Final Type	CIRCLING RW 14
20:1	
80 TRAVERSE WAY (12-039463) 272746.03N/0812053.86W	

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or
5280-FT "PROCEED VFR" SEGMENT LEVEL SURFACE AREA PENETRATIONS



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SEBRING RGNL	KSEF	RNAV (GPS) RWY 32	ORIG-B	SEBRING	FL	62	RNAV

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.
CONTINGENCY NOTE:
WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE VERO BEACH ALTIMETER SETTING AND INCREASE ALL MDA 140 FEET; INCREASE LP CATS C/D VISIBLITIIES 3/8 SM; LNAV CATS C/D VISIBILITIES 1/2 SM, CIRCLING CAT C VISIBILITY 1/2 SM AND CIRCLING CAT D VISIBILITY 1/4 SM.
NA WHEN LOCAL WEATHER NOT AVAILABLE.
ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



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	3.03
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.20
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	314.87
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	59
DISTANCE FROM	THLD	TO 1500FT POINT	4.83
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	1.28
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	314.87
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	59

THRESHOLD
COORDINATES
(IF STR-IN)272709.18N/0812010.49W

ARP COORDINATES272723.00N/0812032.60W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP RUNWAY 14 DISTANCE 0.43 NM

FAF
COORDINATES

FIX NAME
COORDINATES LUGEY: 272335.56N/0811609.89W

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED.
APPROACH/DRAWING ATTACHED.



<u>AIRPORT</u>	<u>AIRPORT ID</u>	<u>PROCEDURE NAME</u>	<u>AMDT NO.</u>	<u>CITY</u>	<u>STATE</u>	<u>AIRPORT ELEVATION</u>	<u>FACILITY</u>
SEBRING RGNL	KSEF	RNAV (GPS) RWY 32	ORIG-B	SEBRING	FL	62	RNAV

PART E: PREPARED BY

<u>NAME</u>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
KWEKU DONKOR	AJV-5433	06/11/2018	AERONAUTICAL INFORMATION SPECIALIST

