

# UNITED STATES AIR FORCE FLIGHT STANDARDS SERVICE VOR/DME OR TACAN STANDARD INSTRUMENT APPROACH PROCEDURE

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> TALLAHASSEE INTL	<u>AIRPORT ID</u> KTLH	<u>PROCEDURE NAME</u> HI - VOR OR TACAN RWY 36	<u>ORIGINAL/AMENDMENT</u> 3D	<u>CITY</u> TALLAHASSEE	<u>STATE</u> FL	
<u>AIRPORT ELEVATION</u> 83	<u>TDZE</u> 62	<u>SUPERSEDED</u> HI - VOR/DME OR TACAN RWY 36	<u>ORIGINAL/AMENDMENT</u> 3C	<u>DATED</u> 07/23/2015	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 1965
<u>FACILITY</u> SZW	<u>COORDINATES OF FACILITIES</u> 303322.42N / 0842226.19W	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u> ROUTINE	<u>CANCEL/SUSPEND</u>		

## TERMINAL ROUTES

FROM	FIX TYPE	TO	FIX TYPE	LEG TYPE	FO/FB	RNP	COURSE	DISTANCE	ALTITUDE
SANDA/SZW 30.00 DME CW	IAF	JERIX/SZW 30.00 DME					30.00 DME ARC		14000
JERIX/SZW 30.00 DME CW		FEBKA/SZW 30.00 DME					30.00 DME ARC		4900
FEBKA/SZW 30.00 DME		HAKUT/SZW 21.00 DME					353.39	9.00 (SZW R-173)	3000
HAKUT/SZW 21.00 DME	IF	DACAR/SZW 14.50 DME					353.39	6.50 (SZW R-173)	1600

## MISSED APPROACH

### MAP:

SZW 9.79 DME

### MISSED APPROACH INSTRUCTIONS:

CLIMB TO 4000 DIRECT SZW VORTAC THEN ON SZW VORTAC R-288 TO QUILL/SZW 11.79 DME AND HOLD.

### ALTERNATE MISSED APPROACH INSTRUCTIONS:

## PROFILE:

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)
2. PROFILE STARTS AT SANDA
3. FAC: 353.39      FAF: DACAR/SZW 14.50 DME      DIST FAF TO MAP:      DIST FAF TO THLD: 4.71
4. MIN ALT: SANDA/SZW 30.00 DME CW 17000%, JERIX/SZW 30.00 DME 14000, FEBKA/SZW 30.00 DME 4900, HAKUT/SZW 21.00 DME 3000, DACAR/SZW 14.50 DME 1600, XBEGN/SZW 11.80 DME 740
8. MSA FROM: SZW VORTAC 3300, ESA W/IN 100 NM 3300

## EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.  
RADAR REQUIRED FOR PROCEDURE ENTRY.

## NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.  
\*WHEN ALS INOP, INCREASE CAT C/D/E VISIBILITY TO 1 1/4 SM.



**ADDITIONAL FLIGHT DATA:**

CHART: ASR  
HOLD W, RT, 107.71 INBOUND.  
CHART ARRIVAL HOLDING AT SANDA/SZW 30.00 DME CW: HOLD NW, RT, 148.00 INBOUND, 17000. %  
% RECOMMENDED ALTITUDE  
CHART FAS OBST: 209 TREE 302249N/0842313W.  
CHART VDP AT 11.04 DME  
DISTANCE VDP TO THLD 1.25 NM.  
CHART SZW R-148 AT SANDA.  
CHART SZW R-156 AT JERIX.  
CHART CIRCLING ICON.  
DACAR TO RW36: 3.00/45.

**MINIMUMS:****TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT****ALTERNATE:** NA ☐ STANDARD - CAT D 800-2 1/4, CAT E 1000-3

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
S-36*		NA			NA		500	4500	438	500	4500	438	500	4500	438
CIRCLING		NA			NA		640	1 1/2	557	800	2 1/4	717	1000	3	917

**CHANGES - REASONS**

1. CHANGED CIRCLING CAT C MDA/HAA FROM 580/497 TO 640/557, CIRCLING CAT D MDA/HAA FROM 640/557 TO MDA 800/717, AND CIRCLING CAT D VISIBILITY FROM 2 TO 2 1/4 - NEW CONTROLLING OBSTACLES DUE TO NEW CIRCLING AREAS TO MATCH FLIGHT CHECKED VALUES OF THE ILS OR LOC RWY 27.
2. ADDED CHART CIRCLING ICON - IAW 8260.19H 8-6-10 T.
3. ADDED TO ALTERNATE MINIMUMS: STANDARD - CAT D 2 1/4, CAT E 1000-3 - VISIBILITY GREATER THAN 2 SM.
4. CHANGED FAS OBSTACLE FROM "210 ANTENNA 302312N/0842111W" TO "209 TREE 302249N/0842313W" - NEW STEPDOWN CONTROLLING OBSTACLE.
5. REMOVED PLANVIEW NOTE "RADAR REQUIRED" AND ADDED "DME REQUIRED. RADAR REQUIRED FOR PROCEDURE ENTRY" - UPDATE TO EQUIPMENT REQUIREMENT NOTES.
6. CHANGED NAME FROM "HI - VOR/DME OR TACAN RWY 36" TO "HI - VOR OR TACAN RWY 36" - UPDATE TO PROCEDURE NAME.
7. CHANGED MISSED APPROACH INSTRUCTIONS FROM "CLIMB TO 4000 DIRECT SZW VORTAC THEN VIA SZW VORTAC R-288 TO QUILL/SZW 11.79 DME AND HOLD" TO "CLIMB TO 4000 DIRECT SZW VORTAC THEN ON SZW VORTAC R-288 TO QUILL/SZW 11.79 DME AND HOLD" - UPDATE TO FORMAT.

**COORDINATED WITH:**A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZJX, TLH APP CON, TLH ATCT, AMGR

Digitally signed by

**FLIGHT CHECKED BY**

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

**OFFICE****DATE** JOHN BORDY

May 08, 2020

**DEVELOPED BY**

JOHN BORDY (ARTHUR ULVESTAD)

Digitally signed by

JOHN BORDY

May 08, 2020

**OFFICE**

AJV-A422

**DATE**

03/16/2020

**RECOMMENDED BY**

MARLON J. ROBINSON

Digitally signed by

JOHN BORDY

May 08, 2020

**OFFICE**

AJV-A420

**DATE****TITLE**  
MANAGER**APPROVED BY****OFFICE****DATE****TITLE**QUALITY  
16  
CHECKED

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

AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
TALLAHASSEE INTL	KTLH	HI - VOR OR TACAN RWY 36	3D	TALLAHASSEE	FL	83	SZW

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

FROM  
SANDA/SZW 30.00 DME CW

TO  
JERIX/SZW 30.00 DME

<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.AAO	300851.00N/0840945.00W		296	164	98	4E	1000				AT12704	14000
2.TERRAIN	300851.00N/0840945.00W		96 (100)								AS1500	1600

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: ARC STEPDOWN

FROM  
JERIX/SZW 30.00 DME CW

TO  
FEBKA/SZW 30.00 DME

<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 (12-003342)	300434.73N/0841804.62W	542	500	50	5D	1000				DG3358	4900
4.TERRAIN	300721.00N/0841718.00W	102 (100)								AS1500	1600

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: STEPDOWN

FROM  
FEBKA/SZW 30.00 DME

TO  
HAKUT/SZW 21.00 DME

RNP	DISTANCE 9.00	PAT	MAP	HAT			HMAS					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
3.TOWER (12-003342)	300434.73N/0841804.62W		542	500	50	5D	1000				AT1458	3000
5.TERRAIN	300818.00N/0841627.00W		102 (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  
HAKUT/SZW 21.00 DME

TO  
DACAR/SZW 14.50 DME

<u>RNP</u>	<u>DISTANCE</u> 6.50	<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>
6.TOWER (12-002833)	301150.00N/0842220.00W		447	500	50	5D	500					1000
7.TERRAIN	301424.00N/0842421.00W		96 (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

FROM  
SZW 9.79 DME

TO  
QUILL/SZW 11.79 DME

RNP	DISTANCE	PAT	MAP	HAT			HMAS 250					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				4000
10.TOWER (12-001318)	302906.00N/0841954.00W		686	50	3	2A	1000					1700
11.TERRAIN	303857.00N/0843345.00W		335 (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 C											
12.TOWER (12-122601)	302457.36N/0841805.12W	2.84	557	326	20	10	1B	300			640
CATEGORY D											
13.ANTENNA (12-122519)	302309.85N/0841633.42W	3.71	717	485	20	3	1A	300			800
CATEGORY E											
10.TOWER (12-001318)	302905.80N/0841954.20W	4.63	917	686	50	3	2A	300			1000

CIRCLING REMARKS:



MSA

CENTER

SZW VORTAC

RADIUS

25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (13-001353)	304014.00N/0835626.00W	071	23.5	2221	500	50	5D	1000			3300

MSA REMARKS:

ESA

CENTER

SZW VORTAC

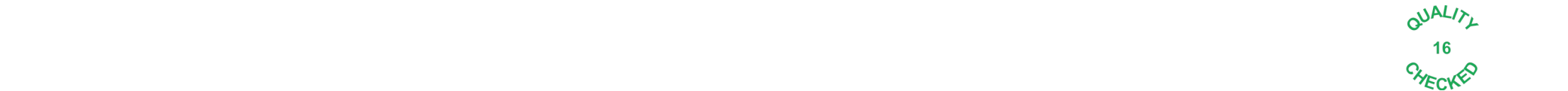
RADIUS

100

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TOWER (13-001353)	304014.00N/0835626.00W	071	23.5	2221	500	50	5D	1000			3300

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH  
ZJX ARTCC, TLH APP CON

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KTLH	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KTLH	<u>DISTANCE</u> 0	<u>SERVICE-A</u> Y	<u>ADJUSTMENTS</u> 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>

WX REMARKS:

<u>PRIMARY NAVAID</u> SZW VORTAC	<u>MONITOR POINT</u> AOCC	<u>HRS OPERATION</u> 24	<u>CAT</u> 1
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APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW09 - HIRL (PCL), REIL (PCL), C/LINE, PAPI-4L (PCL)	PIR-G	APPROACH, ROLL OUT
RW18 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-G	ROLL OUT
RW27 - TDZ, ALSF-2, HIRL (PCL), C/LINE, PAPI-4L (PCL)	PIR-G	APPROACH, ROLL OUT
RW36 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	APPROACH

<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> 3.00	<u>TCH</u> 53.9
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FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	<input checked="" type="checkbox"/>	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	<input checked="" type="checkbox"/>	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

<u>CRITICAL LOW</u>	<u>CRITICAL HIGH</u>	<u>ACT</u>	<u>APT ISA</u>
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS





AIRPORT	AIRPORT ID	PROCEDURE NAME	AMDT NO.	CITY	STATE	AIRPORT ELEVATION	FACILITY
TALLAHASSEE INTL	KTLH	HI - VOR OR TACAN RWY 36	3D	TALLAHASSEE	FL	83	SZW

and/or

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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

100 FT TREES USED PER EASTERN FPT.

ORDER 8260.3, VOLUME 1, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.

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16  
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<u>AIRPORT</u> TALLAHASSEE INTL	<u>AIRPORT ID</u> KTLH	<u>PROCEDURE NAME</u> HI - VOR OR TACAN RWY 36	<u>AMDT NO.</u> 3D	<u>CITY</u> TALLAHASSEE	<u>STATE</u> FL	<u>AIRPORT ELEVATION</u> 83	<u>FACILITY</u> SZW
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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	3.38
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	3.11
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	355.39
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	163
DISTANCE FROM	THLD	TO 1500FT POINT	4.71
WIDTH OF	FINAL	SEGMENT AT 1500FT POINT	3.45
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1500FT POINT	355.39
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1500FT POINT	163

THRESHOLD  
COORDINATES  
(IF STR-IN)

302335.65N/0842131.62W

ARP COORDINATES

302348.32N/0842103.13W

RUNWAY APCH END  
AND DIST FURTHEST  
FROM ARP

RUNWAY 27 DISTANCE 1.07 NM

FAF  
COORDINATES

301853.19N/0842105.41W

FIX NAME  
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

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PART E: PREPARED BY

<u>NAME</u> JOHN BORDY (ARTHUR ULVESTAD)	<u>OFFICE</u> AJV-A422	<u>DATE</u> 03/16/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
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