

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 ID</u>	<u>PROCEDURE NAME</u>	<u>ORIGINAL/AMENDMENT</u>	<u>CITY</u>	<u>STATE</u>
TLH	HI - VOR OR TACAN RWY 36	4	TALLAHASSEE	FL
<u>AIRPORT ELEVATION</u>	<u>TDZE</u>	<u>SUPERSEDED</u>	<u>DATED</u>	<u>EPOCH YEAR</u>
83	62	HI - VOR OR TACAN RWY 36	07/16/2020	1965
<u>FACILITY</u>	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u>	<u>REQUIRED EFFECTIVE DATE</u>	<u>CANCEL/SUSPEND</u>
SZW TACAN			ROUTINE	

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>
SANDA/SZW 30.00 DME CW	IAF	WKULA/SZW 30.00 DME					30.00 DME ARC		13000
WKULA/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 14.47 DME					353.39	6.53 (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:

- PT SIDE OF COURSE OUTBOUND FT WITHIN MILES OF (IAF)
- PROFILE STARTS AT SANDA
- FAC: 353.39 FAF: DACAR/SZW 14.47 DME DIST FAF TO MAP: DIST FAF TO THLD: 4.68
- MIN ALT: SANDA/SZW 30.00 DME CW 17000, WKULA/SZW 30.00 DME 13000, FEBKA/SZW 30.00 DME 4900, HAKUT/SZW 21.00 DME 3000, DACAR/SZW 14.47 DME 1600, XBEGN/SZW 11.77 DME 740
- MSA FROM: SZW VORTAC 3300, ESA W/IN 100 NM 3300



EQUIPMENT REQUIREMENTS NOTES:

DME REQUIRED.
RADAR REQUIRED FOR PROCEDURE ENTRY.

NOTES:

CHART NOTE: FOR INOPERATIVE ALS, INCREASE TACAN CAT E VISIBILITY TO RVR 6000.
CHART NOTE: FOR INOPERATIVE ALS, INCREASE VOR CAT E VISIBILITY TO RVR 6000.

ADDITIONAL FLIGHT DATA:

HOLD W, RT, 107.71 INBOUND.
CHART ARRIVAL HOLDING AT SANDA/SZW 30.00 DME CW: HOLD NW, RT, 148.00 INBOUND, 17000.
CHART FAS OBST: 209 TREE (12-123071) 302249N/0842313W.
CHART VDP AT 10.88 DME.
DISTANCE VDP TO THLD 1.09 NM.
CHART SZW R-148 AT SANDA.
CHART SZW R-158 AT WKULA.
CHART MANDATORY 17000 AT SANDA.
DACAR TO RW36: 3.00/54.
CHART CIRCLING ICON.

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		460	3500	398	460	3500	398	460	3500	398
CIRCLING		NA			NA		640	1 1/2	557	800	2 1/4	717	1000	3	917

CHANGES - REASONS

1. TERMINAL ROUTES: CHANGED FROM "SANDA/SZW 30.00 DME CW TO JERIX/SZW 30.00 DME" TO "SANDA/SZW 30.00 DME CW TO WKULA/SZW 30.00 DME" AND UPDATED ALTITUDE FROM "14000" TO "13000" – NEW STEP-DOWN FIX AND ALTITUDE PER FPT.
2. TERMINAL ROUTES: CHANGED FROM "JERIX/SZW 30.00 DME CW TO FEBKA/SZW 30 DME" TO "WKULA/SZW 30.00 DME CW TO FEBKA/SZW 30 DME" – NEW STEP-DOWN FIX PER FPT.
3. TERMINAL ROUTES: CHANGED FROM "HAKUT/SZW 21.00 DME TO DACAR/SZW 14.50 DME" TO "HAKUT/SZW 21.00 DME TO DACAR/SZW 14.47 DME" AND DISTANCE FROM "6.50" TO "6.53" – PFAF MOVED TO MAINTAIN 3.00 GPA.
4. PROFILE LINE 3: CHANGED FROM "FAF: DACAR/SZW 14.50 DME" TO "FAF: DACAR/SZW 14.47 DME"; AND UPDATED DIST FAF TO THLD FROM "4.71" TO "4.68"– PFAF MOVED TO MAINTAIN 3.00 GPA.
5. PROFILE LINE 4: CHANGED FROM "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" TO "SANDA/SZW 30.00 DME CW 17000%, WKULA/SZW 30.00 DME 13000, FEBKA/SZW 30.00 DME 4900, HAKUT/SZW 21.00 DME 3000, DACAR/SZW 14.47 DME 1600, XBEGN/SZW 11.77 DME 740" – NEW STEP-DOWN FIX AND PFAF MOVED TO MAINTAIN 3.00 GPA PER 8260.19I, PARA 8-6-7. D.
6. CHART PROFILE NOTE: DELETED "VGSI AND ILS GLIDEPATH NOT COINCIDENT (VGSI ANGLE {ANGLE}/TCH {FEET})" - VGSI AND GLIDE PATH ARE NOW COINCIDENT.
7. CHART NOTE: CHANGED FROM "WHEN ALS INOP, INCREASE CAT C/D/E VISIBILITY TO 1 1/4 SM" TO "FOR INOPERATIVE ALS, INCREASE TACAN CAT E VISIBILITY TO RVR 6000 AND INCREASE VOR CAT E VISIBILITY TO RVR 6000" - PER 8260.19I, PARA 8-6-11. O (3).
8. ADDITIONAL FLIGHT DATA: DELETED NOTE "CHART: ASR" – NO LONGER REQUIRED PER 8260.19I, PARA 1-1-5. F (16).
9. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART ARRIVAL HOLDING AT SANDA/SZW 30.00 DME CW: HOLD NW, RT, 148.00 INBOUND, 17000%% RECOMMENDED ALTITUDE" TO "CHART ARRIVAL HOLDING AT SANDA/SZW 30.00 DME CW: HOLD NW, RT, 148.00 INBOUND, 17000" – NEW MANDATORY ALTITUDE 17000 PER FPT/ATC.
10. ADDITIONAL FLIGHT DATA: ADDED "CHART MANDATORY 17000 AT SANDA" - PER 8260.19I, PARA 8-6-10. N.
11. ADDITIONAL FLIGHT DATA: CHART FAS OBST UPDATED FROM "209 TREE 302249N/0842313W" TO "CHART FAS OBST: 209 TREE (12-123071) 302249N/0842313W" – PER 8260.19I, PARA 8-6-10. C.
12. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART VDP AT 11.04 DME" TO "CHART VDP AT 10.88 DME" AND "DISTANCE VDP TO THLD 1.25 NM" CHANGED TO "DISTANCE VDP TO THLD 1.09 NM" – PER 8260.3E 2-6-5/ PFAF MOVED TO MAINTAIN 3.00 GPA.
13. ADDITIONAL FLIGHT DATA: CHANGED FROM "CHART SZW R-156 AT JERIX" TO "CHART SZW R-158 AT WKULA" – NEW STEP-DOWN FIX PER FPT.
14. MINIMUMS: CHANGED S-36 CATS C/D/E MDA/VIS/HAT FROM "500/4500/438" TO "460/3500/398" - NEW CONTROLLING OBSTACLE AND PER 8260.3E/TABLES 3-3-1.



03/18/24: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 12/15/23.
1. CHANGED FORM FROM "FEDERAL AVIATION ADMINISTRATION" TO "UNITED STATES AIR FORCE.

COORDINATED WITH:

A4A

☒

ALPA

☒

AOPA

☒

APA

☒

HAI

☐

NBAA

☒

OTHER: ZJX, TLH APP CON, TLH ATCT, AMGR

FLIGHT CHECKED BY

ERIC L GEYER

Digitally signed by
ROBERT G HAMILTON
May 29, 2024

OFFICE

FPO

DATE

05/02/2024

DEVELOPED BY

ROBERT G HAMILTON (KAMARUDINI R. RAIMI)

Digitally signed by
ROBERT G HAMILTON
May 29, 2024

OFFICE

AJV-A433

DATE

02/15/2024

RECOMMENDED BY

ROBERT G HAMILTON

Digitally signed by
ROBERT G HAMILTON
May 29, 2024

OFFICE

AJV-A433

DATE

TITLE
MANAGER

APPROVED BY

Digitally signed by
ROBERT G HAMILTON
May 29, 2024

OFFICE

DATE

TITLE

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

<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>
TLH	HI - VOR OR TACAN RWY 36	4	TALLAHASSEE	FL	83	SZW TACAN

PART A: OBSTRUCTION DATA SEGMENTS

INITIAL: ARC

FROM SANDA/SZW 30.00 DME CW **TO** WKULA/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>
AAO	300518.00N/0840945.00W	217	215	8	4B	1000				AT11783	13000
TERRAIN	300518.00N/0840945.00W	16 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

INITIAL: ARC STEPDOWN

FROM WKULA/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>
TOWER (12-003342)	300434.73N/0841804.62W	538	250	50	4D	1000				AT3362	4900
TERRAIN	300706.00N/0841954.00W	39 (0)								AS1500	1500

COMPUTATIONS

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

SEGMENT REMARKS:

QUALITY
10
CHECKED

INITIAL: STEPDOWN

FROM

FEBKA/SZW 30.00 DME

TO

HAKUT/SZW 21.00 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	9.00										
<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>
TOWER (12-003342)	300434.73N/0841804.62W	538	250	50	4D	1000				AT1462	3000
TERRAIN	301006.00N/0842000.00W	59 (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 14.47 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>				<u>HMAS</u>		
	6.53										
<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>
TOWER (12-026801)	301148.93N/0842241.55W	447	50	20	2C	500					1000
TERRAIN	301851.00N/0842151.00W	72 (100)								AS1500	1600

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



FINAL

FROM

DACAR/SZW 14.47 DME

TO

XBEGN/SZW 11.77 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	2.70										
<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>
TOWER (12-181503)	301849.14N/0842031.82W	306	20	3	1A	250				DG184	740

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:

FINAL: STEPDOWN

FROM

XBEGN/SZW 11.77 DME

TO

SZW 9.79 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u>				
	1.98		SZW 9.79 DME		398						
<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>
TREE (12-123071)	302248.69N/0842312.62W	209	20	3	1A	250					460

COMPUTATIONS

ALT

KIAS

KTAS

HAA

VKTW

TR

BA

DTA

COURSE CHANGE

DVEB

VEB OCS

RF CENTER FIX/DISTANCE

SEGMENT REMARKS:



MISSSED APPROACH

FROM

SZW 9.79 DME

TO

QUILL/SZW 11.79 DME

<u>RNP</u>	<u>DISTANCE</u>	<u>PAT</u>	<u>MAP</u>		<u>HAT</u>		<u>HMAS</u> 210				
<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				4000
TOWER (12-001318)	302905.80N/0841954.20W	686	50	3	2A	1000					1700
TERRAIN	303924.00N/0843406.00W	305 (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											
TOWER (12-122601)	302457.36N/0841805.12W	2.84	557	326	20	10	1B	300			640
CATEGORY D											
ANTENNA (12-122519)	302309.85N/0841633.42W	3.71	717	485	20	3	1A	300			800
CATEGORY E											
TOWER (12-001318)	302905.80N/0841954.20W	4.63	917	686	50	3	2A	300			1000

CIRCLING 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

ESA REMARKS:

MSA

CENTER

SZW VORTAC

RADIUS

25

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

WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS
ASOS	TLH	24	TLH	0	Y	0
BACK-UP WX SERVICE	LOCATION	HRS OPERATION	ALTIMETER SOURCE	DISTANCE	SERVICE-A	ADJUSTMENTS

WX REMARKS:

KTLH HAS REDUNDANT WEATHER SOURCES ON FIELD (NWS); NO BACKUP ALTIMETER SETTING REQUIRED.

PRIMARY NAVAID	MONITOR POINT	HRS OPERATION	CAT
SZW VORTAC	AOCC	24	1

APPROACH AND RUNWAY LIGHTING SYSTEM	RUNWAY MARKINGS	RUNWAY VISUAL RANGE
RW18 - HIRL (PCL), REIL (PCL), PAPI-4L (PCL)	PIR-F	ROLL OUT
RW36 - MALSR (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-F	APPROACH
RW09 - C/LINE, REIL (PCL), HIRL (PCL), PAPI-4L (PCL)	PIR-G	APPROACH, ROLL OUT
RW27 - ALSF-2, HIRL (PCL), C/LINE, TDZ, PAPI-4L (PCL)	PIR-G	APPROACH, ROLL OUT

GLIDESLOPE ANGLE	ELEV RWY THRESHOLD	TCH	ELEV GS ANTENNA	DISTANCE FROM RWY	VGSI ANGLE	TCH
					3.00	53.9

FINAL APPROACH COURSE AIMING

RUNWAY THRESHOLD	X	FT FROM THRESHOLD	DISPLACED THRESHOLD DISTANCE
ON CENTERLINE	X	FT FROM CENTERLINE	

CRITICAL TEMPERATURES

CRITICAL LOW	CRITICAL HIGH	ACT	APT ISA
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CRITICAL TEMPERATURE REMARKS:

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS

and/or

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

PENETRATIONS REMARKS:



