

**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 ID</u> KSHV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 2C	<u>CITY</u> SHREVEPORT	<u>STATE</u> LA		
<u>AIRPORT ELEVATION</u> 258	<u>TDZE</u> 258	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 2B	<u>DATED</u> 12/06/2018	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2020
<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>
BEKEN		LORIY		TF	FB	1.00	344.09	7.17	3000
SPOUT		LORIY		TF	FB	1.00	058.27	27.22	3000
AYEEE	IAF	BABYE	NOPT	TF	FB	1.00	230.68	9.66	2500
LORIY	IAF	BABYE	NOPT	TF	FB	1.00	050.97	6.20	2500
BABYE	IF/IAF	JAVEE		TF	FB	1.00	140.65	6.25	1500
JAVEE	FAF	RW14	MAP	TF	FO	0.30	140.69	3.74	
RW14	MAP	458 MSL		CA			140.69		
458 MSL		COBAV		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 3000 DIRECT COBAV AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3000.

ALTERNATE MISSED APPROACH INSTRUCTIONS:



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
LPV DA	458	1800	200	458	1800	200	458	1800	200	458	1800	200			
LNAV/VNAV DA	640	4000	382	640	4000	382	640	4000	382	640	4000	382			
LNAV MDA	660	2400	402	660	2400	402	660	4000	402	660	4000	402			
CIRCLING	760	1	502	760	1	502	980	2	722	1100	2 3/4	842			

CHANGES - REASONS

1. PROFILE LINE 2: MAX ALTITUDE 6000 ADDED. - IAW 8260.19H PARA 8-6-7 B(2).
2. MISSED APPROACH INSTRUCTIONS UPDATED FROM "CLIMB TO 3000 DIRECT COBAV AND HOLD" TO "CLIMB TO 3000 DIRECT COBAV AND HOLD, CONTINUE TO CLIMB-IN-HOLD TO 3000." - MISSED APPROACH REQUIRED CLIMB-IN-HOLD.
3. FAS DATA: CRC UPDATED FROM 2058F268 TO 07976025. - FPAP LATITUDE AND LONGITUDE UPDATED FROM 322602.7950N/0934901.7965W TO 322602.7970N/0934901.7910W.
4. CHANGES FROM P-NOTAMS FOR RNAV (GPS) RWY 14, AMDT 2A AND 2B INCORPORATED INTO FORM. - IAW 8260.19H PARA 8-3-4 C(3).

COORDINATED WITH:

A4A ☒ ALPA ☒ AOPA ☒ APA ☒ HAI ☐ NBAA ☒ OTHER: ZFW, SHV APP CON, SHV ATCT, AMGR

FLIGHT CHECKED BY

GREGORY MILLS

Digitally signed by

JON DENTON

Apr 07, 2021

OFFICE

FICO

DATE

04/02/2021

DEVELOPED BY

WARDELL HENNING (BARBARA GORMAN)

Digitally signed by

JON DENTON

Apr 07, 2021

OFFICE

AJV-A432

DATE

07/29/2020

APPROVED BY

LONNIE EVERHART

Digitally signed by

JON DENTON

Apr 07, 2021

OFFICE

AJV-A430

DATE

TITLE
MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KSHV
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	322713.8290N
LTP/FTP LONGITUDE	0935005.5770W
LTP/FTP ELLIPSOIDAL HEIGHT	+00525
FPAP LATITUDE	322602.7970N
FPAP LONGITUDE	0934901.7910W
THRESHOLD CROSSING HEIGHT (TCH)	00050.8
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0208
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	07976025

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00785
FPAP ORTHOMETRIC HEIGHT	+00785



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

<u>AIRPORT ID</u> KSHV	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>AMDT NO.</u> 2C	<u>CITY</u> SHREVEPORT	<u>STATE</u> LA	<u>AIRPORT ELEVATION</u> 258	<u>FACILITY</u> RNAV
---------------------------	--	-----------------------	---------------------------	--------------------	---------------------------------	-------------------------

PART A: OBSTRUCTION DATA SEGMENTS

FEEDER

FROM
BEKEN

TO
LORIY

<u>RNP</u>	<u>DISTANCE</u> 7.17	<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 (48-007956)	322927.48N/0940439.22W		770	20	3	1A	1000				AT1230	3000
2.TERRAIN	322439.00N/0940145.00W		342 (300)								AS1500	1800

COMPUTATIONS

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

SEGMENT REMARKS:

FEEDER

FROM
SPOUT

TO
LORIY

<u>RNP</u>	<u>DISTANCE</u> 27.22	<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 (48-009218)	321927.00N/0943159.00W		871	500	50	5D	1000				AT1129	3000
4.TERRAIN	321500.00N/0942900.00W		447 (400)								AS1500	1900

COMPUTATIONS

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

SEGMENT REMARKS:



FACILITY
RNAV

HMAS

RF CENTER FIX/DISTANCE

HMAS

RF CENTER FIX/DISTANCE

INTERMEDIATE

FROM

BABYE (IF/IAF)

TO

JAVEE

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	6.25											
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
9.TOWER (22-001183)	323433.00N/0935207.00W		895	500	50	5D	500				AT105	1500
10.TERRAIN	323351.00N/0935818.00W		289 (300)								AS1000	1300

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

SEGMENT REMARKS:

FINAL: LPV

FROM

JAVEE

TO

RW14

RNP	DISTANCE	PAT	MAP	HAT			HMAS					
	3.74		DA									
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				458

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

SEGMENT REMARKS:



FINAL: LNAV/VNAV

FROM
JAVEE

TO
RW14

<u>RNP</u>	<u>DISTANCE</u> 3.74	<u>PAT</u>	<u>MAP</u> DA	<u>HAT</u> 382			<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>
11.TREE (22-028611)	322806.23N/0935046.21W		370	20	3	1A		22.44:1				640

COMPUTATIONS

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

SEGMENT REMARKS:

FINAL: LNAV

FROM
JAVEE

TO
RW14

<u>RNP</u>	<u>DISTANCE</u> 3.74	<u>PAT</u>	<u>MAP</u> RW14	<u>HAT</u> 402			<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>
12.TOWER (22-002308)	322702.97N/0935028.48W		408	20	3	1A	250					660

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

BABYE

TO

P-5

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
P-5												
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
13.TOWER (22-001615)	323958.53N/0935600.67W	2049	20	3	1A	1000				SA-549	2500	
14.TERRAIN	323436.00N/0940224.00W	345 (300)								AS1500	1800	

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

COBAV

RNP	DISTANCE	PAT	MAP	HAT	HMAS							
					293							
OBSTRUCTION	COORDINATES	ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT	
							ASC				3000	
15.TOWER (22-001515)	322045.00N/0934641.00W	566	500	50	5D	1000					1600	
16.TERRAIN	322724.00N/0935051.00W	279 (300)								AS1500	1800	

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

SEGMENT REMARKS:



MISSED APPROACH : LNAV/VNAV

FROM

DA

TO

COBAV

RNP	DISTANCE	PAT	MAP	HAT			HMAS 479					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
15.TOWER (22-001515)	322045.00N/0934641.00W		566	500	50	5D	1000					1600
16.TERRAIN	322724.00N/0935051.00W		279 (300)								AS1500	1800

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

SEGMENT REMARKS:

MISSED APPROACH : LNAV

FROM

RW14

TO

COBAV

RNP	DISTANCE	PAT	MAP	HAT			HMAS 560					
OBSTRUCTION	COORDINATES		ELEV MSL	HORZ	VERT	AC	ROC	OCS	CG	CGTA	ADJUSTMENTS	MIN ALT
								ASC				3000
15.TOWER (22-001515)	322045.00N/0934641.00W		566	500	50	5D	1000					1600
16.TERRAIN	322724.00N/0935051.00W		279 (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											
17.TOWER (22-002760)	322821.23N/0934900.26W	1.30	502	443	50	20	2C	300			760
CATEGORY B											
18.STADIUM (22-021583)	322832.12N/0934734.59W	1.81	502	446	20	3	1A	300			760
CATEGORY C											
19.TOWER (22-003280)	322827.26N/0934611.32W	2.85	722	669	50	20	2C	300			980
CATEGORY D											
20.TOWER (22-001303)	322937.00N/0934556.00W	3.72	842	739	500	50	5D	300		AC50	1100

CIRCLING REMARKS:

MSA

CENTER
RW14

RADIUS
25

SECTOR	OBSTRUCTION	COORDINATES	BEARING	DISTANCE	ELEV MSL	HORZ	VERT	AC	ROC	OCS	ADJUSTMENTS	MIN ALT
360-360	TWR (22-000160)	324108.50N/0935600.60W	338	14.8	2075	20	50	1D	1000			3100

MSA REMARKS:

NOTES/EXPLANATIONS FROM PROCEDURE SEGMENTS:

PROCEDURAL TCH 50.84 UTILIZED.

BANK ANGLE 25.49 UTILIZED AT BABYE AND LORIY IAW EMAIL 102 FOR INITIAL CONSTRUCTION.

OBS #7 - HORIZONTAL ACCURACY 187'.

HIL AT BABYE OFFSET 5 DEGREES TO MAINTAIN 2500 FT FIX ALTITUDE.



PART B: SUPPLEMENTAL DATA

COMMUNICATIONS WITH
SHV APP CON, ZFW ARTCC, SHV TOWER

<u>WX SERVICE</u> ASOS	<u>LOCATION</u> KSHV	<u>HRS OPERATION</u> 24	<u>ALTIMETER SOURCE</u> KSHV	<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:
BACKUP ALTIMETER SOURCE NOT UTILIZED. KSHV HAS REDUNDANT WEATHER SOURCING.

<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>
RW06 - MIRL, REIL, PAPI-4L		NPI-G	
RW24 - MIRL, REIL, PAPI-4L		NPI-G	
RW14 - TDZ, ALSF-2, HIRL, C/LINE, PAPI-4R		PIR-G	APPROACH, MIDPOINT, ROLL OUT
RW32 - MALSR, HIRL, C/LINE		PIR-G	APPROACH, MIDPOINT, ROLL OUT

<u>GLIDESLOPE ANGLE</u> 3.00	<u>ELEV RWY THRESHOLD</u> 257.6	<u>TCH</u> 50.8	<u>ELEV GS ANTENNA</u>	<u>DISTANCE FROM RWY</u>	<u>VGSI ANGLE</u> 3.00	<u>TCH</u> 49.7
---------------------------------	------------------------------------	--------------------	------------------------	--------------------------	---------------------------	--------------------

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> -6C	<u>CRITICAL HIGH</u> +54C	<u>ACT</u> -6C	<u>APT ISA</u> +14.49C
----------------------------	------------------------------	-------------------	---------------------------

CRITICAL TEMPERATURE REMARKS:
AVERAGE COLD TEMPERATURE DERIVED FROM 5-YEAR HISTORY (2010-2014).
CRITICAL LOW TEMPERATURE BASED ON ACT.
DESCENT RATE (FPM): STANDARD TEMP 959 HIGH TEMP 1264.

"VISUAL PORTION OF FINAL" PENETRATIONS

HELICOPTER 'VISUAL PORTION OF FINAL' PENETRATIONS



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

PENETRATIONS REMARKS:

PART C: GENERAL REMARKS:
PRECIPITOUS TERRAIN EVALUATION COMPLETED.
TAA NOT DEVELOPED/VEGETATION 100 FT PER IFP CHECKLIST.
ORDER 8260.3 CHAPTER 2 APPLIED TO 419 AAO 322951.98N/0935226.18W.
ORDER 8260.3, CHAPTER 2, NEW CIRCLING CRITERIA APPLIED.



AIRPORT ID KSHV	PROCEDURE NAME RNAV (GPS) RWY 14	AMDT NO. 2C	CITY SHREVEPORT	STATE LA	AIRPORT ELEVATION 258	FACILITY RNAV
---------------------------	--	-----------------------	---------------------------	--------------------	---------------------------------	-------------------------

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	3.11
WIDTH OF	FINAL	SEGMENT AT 1000FT POINT	1.55
TRUE COURSE OF	FINAL	SEGMENT CONTAINING 1000FT POINT	142.69
HIGH TERRAIN IN	FINAL	SEGMENT CONTAINING 1000FT POINT	300
DISTANCE FROM	THLD	TO 1500FT POINT	8.59
WIDTH OF	INTERMEDIATE	SEGMENT AT 1500FT POINT	4.00
TRUE COURSE OF	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	142.65
HIGH TERRAIN IN	INTERMEDIATE	SEGMENT CONTAINING 1500FT POINT	300

THRESHOLD
COORDINATES
(IF STR-IN)

322713.83N/0935005.58W

ARP COORDINATES

322647.50N/0934933.70W

RUNWAY APCH END
AND DIST FURTHEST
FROM ARP

RUNWAY 32 DISTANCE 0.75 NM

FAF
COORDINATES

323012.78N/0935246.41W

FIX NAME
COORDINATES

REMARKS

NO ADDITIONAL AIRSPACE REQUIRED

QUALITY
10
CHECKED

FAA Form 8260-9 / (11/16) Supersedes Previous Edition

Electronic Version

Page 10 of 11

PART E: PREPARED BY

<u>NAME</u> WARDELL HENNING (BARBARA GORMAN)	<u>OFFICE</u> AJV-A432	<u>DATE</u> 07/29/2020	<u>TITLE</u> AERONAUTICAL INFORMATION SPECIALIST
---	---------------------------	---------------------------	---

