

**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> KGLS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 2	<u>CITY</u> GALVESTON	<u>STATE</u> TX		
<u>AIRPORT ELEVATION</u> 6	<u>TDZE</u> 5	<u>SUPERSEDED</u> RNAV (GPS) RWY 14	<u>ORIGINAL/AMENDMENT</u> 1B	<u>DATED</u> 12/02/2021	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 3 NOVEMBER 2022	<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>
FOMAH	IAF	UCENU		TF	FB	1.00	047.97	10.00	3000
BOBLE	IAF	UCENU		TF	FB	1.00	228.11	10.00	3000
UCENU	IF	SWANE		TF	FB	1.00	138.04	7.00	1800
SWANE	FAF	RW14	MAP	TF	FO	0.30	138.08	5.47	
RW14	MAP	1200 MSL		CA			138.08		1200
1200 MSL		DELVE		DF	FO	1.00			3000

MISSED APPROACH

MAP:

LPV: DA
LNAV/VNAV: DA
LNAV: RW14

MISSED APPROACH INSTRUCTIONS:

CLIMB TO 1200 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DELVE AND HOLD.

ALTERNATE MISSED APPROACH INSTRUCTIONS:

QUALITY
22
CHECKED

PROFILE:

1. PT

SIDE OF COURSE

OUTBOUND

FT WITHIN

MILES OF

(IAF)

2. PROFILE STARTS AT UCENU

3. FAC: 138.08

FAF: SWANE

DIST FAF TO MAP: 5.47

DIST FAF TO THLD: 5.47

4. MIN ALT: UCENU 3000, SWANE 1800

5. DIST TO THLD FROM FAF: 5.47

MM:

IM:

150 HAT:

200 HAT: 0.46

GS ANT:

6. MIN GP INCPT: 1800

GP ALT AT PFAF : SWANE 1800

OM:

MM:

IM:

7. GP ANGLE: 3.00

34:1: IS CLEAR

20:1: IS CLEAR

TCH: 52.6

8. MSA FROM: RW14 3100

PBN REQUIREMENTS NOTE:

RNP APCH - GPS.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 18 AND NE OF RWY 32.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0°C OR ABOVE 54°C.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 270.96 INBOUND.
FAS OBST: 200 AAO 291942N/0945518W.
CHART VDP AT 1.26 NM TO RW14.
WAAS CHANNEL # 65606
REFERENCE PATH ID: W14A
LTP HAE: -25 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - NA WHEN LOCAL WEATHER NOT AVAILABLE.

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	205	1/2	200	205	1/2	200	205	1/2	200	205	1/2	200			
LNAV/VNAV DA	342	1/2	337	342	1/2	337	342	1/2	337	342	1/2	337			
LNAV MDA	460	1/2	455	460	1/2	455	460	7/8	455	460	7/8	455			
CIRCLING	500	1	494	520	1	514	620	1 3/4	614	620	2	614			



CHANGES - REASONS

1. INCORPORATED CHANGES FROM P-NOTAM AMDTS 1A AND 1B - IAW 8260.19I 8-3-4 C(3).
2. PROFILE LINE 5: ADDED DIST TO THLD FROM FAF: 5.47 AND CHANGED "200 HATH: 0.46" TO "200 HAT: 046" - IAW 8260.19I 8-6-7.E.
3. PROFILE LINE 7: ADDED "20:1 IS CLEAR" - NO 20:1 PENETRATIONS.
4. PROFILE LINE 7: UPDATED TCH FROM 52.7 TO 52.6 - AIRNAV DATA UPDATED.
5. PBN REQUIREMENTS NOTE: DELETED "CHART NOTE: DME/DME RNP-0.3 NA" AND ADDED "RNP APCH - GPS" - IAW 8260.19I 8-6-8.B (2).
6. REMOVED "CHART PLANVIEW NOTE: RADAR REQUIRED" - PER FPT REQUEST.
7. DELETED CHART NOTE: "BARO-VNAV AND VDP NA WHEN USING WILLIAM P HOBBY ALTIMETER SETTING" - RELOCATED TO THE 8260-9 FOR CONTINGENCY PURPOSES.
8. AMENDED NOTE FROM "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -1C (34F) OR ABOVE 54C (130F)" TO "CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW 0°C OR ABOVE 54°C" - IAW 8260.19I 8-6-9.R.
9. REMOVED CHART NOTE: WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAM P HOBBY ALTIMETER SETTING; INCREASE ALL DA 79 FEET AND ALL MDA 80 FEET. INCREASE LNAV/VNAV ALL CATS VISIBILITY 1/4 SM, LNAV CATS C/D/E VISIBILITY 1/8 SM, AND CIRCLING CATS C/D/E VISIBILITY 1/4 SM. - UPDATED AND RELOCATED TO THE 8260-9 FOR CONTINGENCY PURPOSES.
10. DELETED CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LPV CAT E VISIBILITY TO 3/4, LNAV/VNAV CAT E VISIBILITY TO 1 1/8, AND LNAV CAT E VISIBILITY TO 1 3/8 MILE - CAT E REMOVED IAW FPT REQUEST.
11. REMOVED CHART NOTE: FOR INOPERATIVE MALSR, WHEN USING WILLIAM P HOBBY ALTIMETER SETTING, INCREASE LPV ALL CATS VISIBILITY TO 7/8 MILE, AND LNAV CAT E VISIBILITY TO 1 1/2 MILE - UPDATED AND RELOCATED TO THE 8260-9 FOR CONTINGENCY PURPOSES.
12. ADDITIONAL FLIGHT DATA: REMOVED "FAS OBST: 207 AAO 291909N/0945400W" AND ADDED "FAS OBST: 200 AAO 291942N/0945518W" - NEW FAS CONTROLLING OBSTACLE.
13. ADDITIONAL FLIGHT DATA: UPDATED LTP HAE FROM -24.8 TO -25 M - AIRNAV DATA UPDATED.
14. DELETED "CAT E 800-2 1/4" FROM ALTERNATE MINIMUMS - CAT E REMOVED IAW FPT REQUEST.
15. REDUCED LNAV/VNAV VISIBILITY ALL CATS FROM 5/8 SM TO 1/2 SM - IAW 8260.3E TABLE 3-3-1.
16. UPDATED LTP/FTP LATITUDE/LONGITUDE FROM 291618.1800N/0945203.5315W TO 291618.1805N/0945203.5300W - AIRNAV DATA UPDATED.
17. UPDATED LTP/FTP ELLIPSOIDAL HEIGHT FROM -00248 TO -00250. - AIRNAV DATA UPDATED.
18. UPDATED FPAP LATITUDE/LONGITUDE FROM 291509.6400N/0945058.2100W TO 291509.6385N/0945058.2085W AND THRESHOLD CROSSING HEIGHT (TCH) FROM 00052.7 TO 00053.0 - AIRNAV DATA UPDATED.
19. UPDATED CRC REMAINDER FROM 4C96F5CB TO E50CCCAF - FPAP AND LTP/FTP COORDINATES UPDATED; THRESHOLD CROSSING HEIGHT (TCH) AND ELLIPSOIDAL HEIGHT UPDATED.

COORDINATED WITH:

A4A ☐ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☐ **NBAA** ☒ **OTHER:** ZHU, AMGR, ST. AV. DIR, HOU APP CON, GLS ATCT

FLIGHT CHECKED BY

JEFFREY A FINDLEY

Digitally signed by
CASIMIR L TABAKA
Aug 31, 2022

OFFICE

FPO

DATE

08/25/2022

DEVELOPED BY

CASIMIR L. TABAKA (GREG LINDSEY)

Digitally signed by
CASIMIR L TABAKA
Jun 23, 2022

OFFICE

AJV-A432

DATE

03/01/2022

APPROVED BY

LONNIE EVERHART

Digitally signed by
CASIMIR L TABAKA
Jun 23, 2022

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	KGLS
RUNWAY	RW14
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W14A
LTP/FTP LATITUDE	291618.1805N
LTP/FTP LONGITUDE	0945203.5300W
LTP/FTP ELLIPSOIDAL HEIGHT	-00250
FPAP LATITUDE	291509.6385N
FPAP LONGITUDE	0945058.2085W
THRESHOLD CROSSING HEIGHT (TCH)	00052.6
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	106.75
LENGTH OFFSET	0920
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	E50CCCAF

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00016
FPAP ORTHOMETRIC HEIGHT	+00016