

**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> SCHOLES INTL AT GALVESTON	<u>AIRPORT ID</u> KGLS	<u>PROCEDURE NAME</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2B	<u>CITY</u> GALVESTON	<u>STATE</u> TX	
<u>AIRPORT ELEVATION</u> 6	<u>TDZE</u> 6	<u>SUPERSEDED</u> RNAV (GPS) RWY 18	<u>ORIGINAL/AMENDMENT</u> 2A	<u>DATED</u> 04/02/2015	<u>MAG VAR</u> 2E	<u>EPOCH YEAR</u> 2015
<u>FACILITY</u> RNAV	<u>COORDINATES OF FACILITIES</u>	<u>ACTUAL EFFECTIVE DATE</u> 30 JANUARY 2020	<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>
TARCU	IAF	OMEHU		TF	FB	1.00	088.77	10.00	2000
PICIP	IAF	OMEHU		TF	FB	1.00	268.95	10.00	2000
OMEHU	IF	RAWUF		TF	FB	1.00	178.86	7.00	1800
RAWUF	FAF	SEPOY/2.70 NM TO RW18		TF	FB	0.30	178.86	2.80	
SEPOY/2.70 NM TO RW18		RW18	MAP	TF	FO	0.30	178.86	2.70	
RW18	MAP	800 MSL		CA		1.00	178.86		800
800 MSL		DELVE		DF	FO	1.00			3000

**MISSED APPROACH**

**MAP:**

LP: RW18  
LNAV: RW18

**MISSED APPROACH INSTRUCTIONS:**

CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DELVE AND HOLD.

**ALTERNATE MISSED APPROACH INSTRUCTIONS:**



PROFILE:

1. PT      SIDE OF COURSE      OUTBOUND      FT WITHIN      MILES OF (IAF)
2. PROFILE STARTS AT OMEHU
3. FAC: 178.86      FAF: RAWUF      DIST FAF TO MAP: 5.50      DIST FAF TO THLD: 5.50
4. MIN ALT: OMEHU 2000, RAWUF 1800, SEPOY/2.70 NM TO RW18 900
5. DIST TO THLD FROM OM:      MM:      IM:      150 HAT:      GS ANT:      OM:      MM:      IM:
6. MIN GP INCPT:      GP ALT AT FAF :
7. GP ANGLE:      34:1: IS CLEAR      20:1: IS CLEAR      TCH:
8. MSA FROM: RW18 3100

PBN REQUIREMENTS NOTE:

RNP APCH.

NOTES:

CHART NOTE: CIRCLING NA E OF RWY 18 AND NE OF RWY 32.

ADDITIONAL FLIGHT DATA:

RAWUF TO RW18: 3.00/44.  
CHART VDP AT 0.97 NM TO RW18  
WAAS CHANNEL #82301  
REFERENCE PATH ID: W18A  
CHART FAS OBST: 100 TOWER 291717N/0945136W, 156 BUILDING 291622N/0945105W.  
HOLD E, RT, 270.96 INBOUND  
LTP HAE: -24.9 M

MINIMUMS:

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

ALTERNATE: NA ☐ STANDARD - CAT E 800-2 1/4, 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
LP MDA	360	1	354	360	1	354	360	1	354	360	1	354	360	1	354
LNAV MDA	420	1	414	420	1	414	420	1 1/8	414	420	1 1/8	414	420	1 1/8	414
CIRCLING	500	1	494	500	1	494	500	1 1/2	494	560	2	554	620	2 1/4	614



CHANGES - REASONS

- CHANGE FROM AMENDMENT 2A:
1. CHANGED THRE 6 TO TDZE 6 - CHANGED ELEVATION POINT FROM THRESHOLD TO TOUCHDOWN ZONE.
- CHANGES FROM AMENDMENT 2B:
1. CHANGED LNAV MDA/HAT FROM 400/394 TO 420/414 - UPDATED OBSTACLE SURVEY.
2. CHANGED 34:1 NOTE FROM NOT CLEAR TO CLEAR - UPDATED OBSTACLE SURVEY.
3. ADDED 20:1 CLEAR NOTE - RNAV REQUIRED NOTE.
4. CHANGED VDP DISTANCE TO RWY FROM .98NM TO .97NM - UPDATED CALCULATION.
5. DELETED DME/DME RNP NOTE - NO LONGER REQUIRED NOTE.
6. ADDED RNP APCH NOTE - EQUIPMENT REQUIREMENT FOR RNAV PROCEDURES.
7. CHANGED FAS DATA BLOCK FPAP LAT/LONG FROM 291455.3000N/0945134.1800W TO 291455.2990N/0945134.1805W - THLD REVISED.
8. CHANGED FAS DATA BLOCK LTP LAT/LONG FROM 291624.6140N/0945132.6510W TO 291624.1635N/0945132.6505W - REVISED AIRNAV DATA.
9. CRC REMIANDER CHANGE FROM B0A3CF34 TO 28FAE405 - FPAP AND LTP LAT/LONG UPDATE.
10. DELETED NOTE "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED, USE WILLIAM P HOBBY ALTIMETER SETTING AND INCREASE ALL MDA 80 FEET, INCREASE LP CATS C/D/E VISIBILITY TO 1 1/4 MILE, LNAV CATS C/D/E VISIBILITY TO 1 3/8 MILE, AND CIRCLING CAT E VISIBILITY TO 2 1/2 MILE" - NOTE NOT REQUIRED WITH REDUNDENT ALTIMETER SOURCES.
11. DELETED NOTE "VDP NA WITH WILLIAM P HOBBY ALTIMETER SETTING" - NOTE NOT REQUIRED WITH REDUNDENT ALTIMETER SOURCES.
12. DELETED NOTE " HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED" - NO 34:1 PENETRATIONS.
13. DELETED PLANVIEW NOTE "RADAR REQUIRED" - REVISED CRITERIA.
14. CHANGED LNAV FAS OBST FROM 133 ANT ON BUILDING 291627N/0945112W TO 156 BUILDING 291622N/0945105W - UPDATED AIRPORT OBSTACLE SURVEY.
15. CHANGED ALTERNATE MINIMUMS FROM STANDARD CAT E 800-2 1/4 TO STANDARD CAT E 2 1/4, NA WHEN LOCAL WEATHER NOT AVAILABLE - REVISED CRITERIA.
16. ADDED RNAV LEG TYPES TO ALL TERMINAL ROUTE SEGMENTS AND RNP VALUES TO ALL TERMINAL ROUTES EXCEPT SEGMENT RW18 TO 800 MSL - REVISED CRITERIA.

COORDINATED WITH:

A4A ☐

ALPA ☒

AOPA ☒

APA ☐

HAI ☐

NBAA ☒

OTHER: ZHU, HOU APP/CON, GLS TWR, AMGR, STATE AV. DIR.

FLIGHT CHECKED BY

BRIAN HANSEN

DEVELOPED BY

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APPROVED BY

GEORGE DAVIS

Digitally signed by

SCOTT BAGENSIE

Sep 23, 2019

Digitally signed by

DAVID TEFFETELLER

Dec 04, 2019

Digitally signed by

DAVID TEFFETELLER

Dec 04, 2019

OFFICE	DATE
FICO	12/1/19

OFFICE	DATE
AJV-A433	08/25/2019

OFFICE	DATE	TITLE
AJV-A430		MANAGER



FAS DATA BLOCK INFORMATION

<u>DATA FIELD</u>	<u>DATA</u>
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KGLS
RUNWAY	RW18
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	291624.6135N
LTP/FTP LONGITUDE	0945132.6505W
LTP/FTP ELLIPSOIDAL HEIGHT	-00249
FPAP LATITUDE	291455.2990N
FPAP LONGITUDE	0945134.1805W
THRESHOLD CROSSING HEIGHT (TCH)	00043.7
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)	0.0
CRC REMAINDER	28FAE405

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+00017
FPAP ORTHOMETRIC HEIGHT	+00017

