US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

RNAV - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.33

Bearings, headings, courses, 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 in feet RVR.

TERMINAL ROUTES

FROM	TO	COURSE AND DISTANCE	ALTITUDE
TARCU (IAF)	OMEHU (FB)	088.77 / 10.00	2000
PICIP (IAF)	OMEHU (FB)	268.95 / 10.00	2000
OMEHU (IF)	RAWUF (FB)	178.86 / 7.00	1800
RAWUF (FAF)	SEPOY/2.70 NM TO RW18 (FB)	178.86 / 2.80	
SEPOY/2.70 NM TO RW18	RW18 (MAP) (FO)	178.86 / 2.70	
RW18 (MAP)	800 MSL	178.86	800
800 MSL	DELVE (FO)		3000

MISSED APPROACH

LP: RW18
LNAV: RW18

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

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 270.96 INBOUND.
CHART FAS OBST: 100 TWR 291717N/0945136W
CHART FAS OBST: 133 ANT ON BLDG 291627N/0945112W
CHART VDP AT 0.98 MILES TO RW18
WAAS CHANNEL # 82301
REFERENCE PATH ID: W18A
RAWUF TO RW18: 3.00/44.
LTP HAE: -24.9 M

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 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: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: ____ GS ALT AT: ____ OM: ____ MM: ____ IM: ____
7. GS ANGLE: ____ TCH: 34:1 IS NOT CLEAR
8. MSA FROM: RW18 3100

MAG VAR: 2E EPOCH YEAR: 2015

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT ALTERNATE: N A STANDARD @

CATEGORY =====>	A			B			C			D			E		
	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA	DH/MDA	VIS	HAT/HAA
LP MDA	360	1	354	360	1	354	360	1	354	360	1	354	360	1	354
LNAV MDA	400	1	394	400	1	394	400	1 1/8	394	400	1 1/8	394	400	1 1/8	394
CIRCLING	500	1	494	500	1	494	500	1 1/2	494	560	2	554	620	2 1/4	614

NOTES:
CHART NOTE: CIRCLING NA E OF RWY 18 AND NE OF RWY 32.
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: HELICOPTER VISIBILITY REDUCTION BELOW 3/4 SM NOT AUTHORIZED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
(SEE FORM 8260-10)

@ CAT E 800-2 1/4

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 6 THRE: 6 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17
GALVESTON, TX	SCHOLES INTL AT GALVESTON	RNAV	RNAV (GPS) RWY 18, AMDT 2	AMDT: 1
				DATED 09/28/2006

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
[ ] YES [X] NO		**ROUTINE**

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[ ]	[ ]	[X]	[ ]	[X]	[X]	[X] **ZUH, GLS ATCT, HOU APP CON, AMGR, ST. AV. DIR**

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: **JILL OLSON (BRIAN BERUBEE)**	FIFO **AJV-353**	DATE: **08/20/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. CHANGED PROCEDURE NAME FROM RNAV (GPS) RWY 17 TO RNAV (GPS) RWY 18
2. CHANGED MAGVAR FROM 6E TO 2E
3. CHANGED FINAL COURSE FROM 174.85 TO 178.86
4. CHANGED DIST FAF TO MAP FROM 5.40 TO 5.50
5. CHANGED TDZE TO THRE
6. DELETED LPV AND VNAV MINIMA
7. ADDED LP MINIMA
8. CHANGED MISSED APPROACH FROM "CLIMB TO 1800 DIRECT SECOY AND VIA 256.90..." TO "CLIMB TO 800 THEN CLIMBING RIGHT TURN TO 3000 DIRECT DELVE AND HOLD".
9. CHANGED INTERMEDIATE COURSE/DIST FROM 174.85/6.00 TO 178.86/7.00
10. ADDED TARCU AND PICIP INITIAL SEGMENTS
11. DELETED BARO-VNAV NOTE
12. DELETED "WHEN LOCAL ALTIMETER SETTING NOT RECEIVED PROCEDURE NA" NOTE
13. VDP CHANGED FROM 1.2 NM TO .98 NM
SEE 8260-10

REASONS:

1. MAGVAR
2/7/8/10. FPT REQUEST
3/9. MAGVAR/RECALCULATION
4. PFAF LOCATION
5. USING THRE IN LIEU OF TDZE
6. SURVEY DOES NOT SUPPORT VG APPROACHES
11/12. NOT APPLICABLE
13. LOWERED MDA
14. OBSTACLE STUDY/CRITERIA
15. LOWERED SI MDA
16. APT ALTIMETER SOURCE NOT REDUNDANT

QUALITY 2 CHECKED

NOTES, (CONT.):
CHART 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.
CHART NOTE: VDP NA WITH WILLIAM P HOBBY ALTIMETER SETTING

QUALITY 2 CHECKED

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

CHANGES CONT.
14. LOWERED LNAV MDA FROM 420 TO 400, VIS CAT C/D/E FROM 1 1/4, 1 1/4, 1 1/2 TO 1 1/8
15. LOWERED CIRCLING CATS A/B/C MDA FROM 540 TO 500, VIS FROM 1 3/4 TO 1, 1, 1 1/2
16. ADDED BACK UP ALTIMETER NOTE

REASONS:

QUALITY 2 CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
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	291624.6140N
LTP/FTP LONGITUDE	0945132.6510W
LTP/FTP ELLIPSOIDAL HEIGHT	-00249
FPAP LATITUDE	291455.3000N
FPAP LONGITUDE	0945134.1800W
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	B0A3CF34

ADDITIONAL PATH POINT RECORD INFORMATION

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

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 6 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17
GALVESTON, TX	AIRPORT NAME: SCHOLES INTL AT GALVESTON	RNAV	RNAV (GPS) RWY 18, AMDT 2	AMDT: 1
				DATED: 09/28/2006

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
☐	☐	☐	☐	☐	☐	☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	FIFO	DATE:
APPROVED BY		
NAME:	FIFO	DATE:

CHANGES:

REASONS:

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ARINC PACKET - 424-18 - RNAV (GPS)

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                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   DELVE K40    C   L N29080317W095153036                      E0030     NAR           DELVE
        SUSAEAENRT   OMEHU K40    W     N29285641W094511975                      E0027     NAR           OMEHU
        SUSAEAENRT   PICIP K40    W     N29284689W094395238                      E0026     NAR           PICIP
        SUSAEAENRT   RAWUF K40    W     N29215528W094512698                      E0027     NAR           RAWUF
        SUSAEAENRT   SEPOY K40    W     N29190700W094512987                      E0027     NAR           SEPOY
        SUSAEAENRT   TARCU K40    W     N29290494W095024715                      E0028     NAR           TARCU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGLSK4AGLS     0     060YHN29155520W094513750E002000006         1800018000C    MNAR    SCHOLES INTL AT GALVESTON

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGLSK4FR18   APICIP 010PICIPK4EA0E  A    IF                                                18000                A JS
        SUSAP KGLSK4FR18   APICIP 020OMEHUK4EA0EE B 010TF                     26900100    + 02000                            A JS
        SUSAP KGLSK4FR18   ATARCU 010TARCUK4EA0E  A    IF                                                18000                A JS
        SUSAP KGLSK4FR18   ATARCU 020OMEHUK4EA0EE B 010TF                     08880100    + 02000                            A JS
        SUSAP KGLSK4FR18   R      010OMEHUK4EA0E  I    IF                                  + 02000     18000                A JS
        SUSAP KGLSK4FR18   R      020RAWUFK4EA1E  F 051TF                     17890070    + 01800                 RW18  K4PGA JS
        SUSAP KGLSK4FR18   R      020RAWUFK4EA2WALP        N          ALNAV                                                  JS
        SUSAP KGLSK4FR18   R      021SEPOYK4EA0E S  031TF                     17890028    V 0090000909        -300           A JS
        SUSAP KGLSK4FR18   R      030RW18 K4PG0GY M 031TF                     17890027      00049             -300           A JS
        SUSAP KGLSK4FR18   R      040         0  M     CA                     1789        + 00800                          A JS
        SUSAP KGLSK4FR18   R      050DELVEK4EA0EY  R   DF                                  + 03000                          A JS
        SUSAP KGLSK4FR18   R      060DELVEK4EA0EE  R   HM                     27100040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGLSK4GRW18    0060011789 N29162461W094513265+0000    -0024900006000044150R

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KGLSK4PR18   RW18 001 0000W18A0N2916246140W09451326510-002490300N2914553000W09451341800106750920000437F400000B0A3CF34
        SUSAP KGLSK4PR18   RW18 002E      +00017+00017LP        82301

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 6 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17
GALVESTON, TX	AIRPORT NAME: SCHOLES INTL AT GALVESTON	RNAV	RNAV (GPS) RWY 18, AMDT 2	AMDT: 1
				DATED: 09/28/2006

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

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SUSAP KGLSK4SRW18 K4PG          0   18018003125                                                    M
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QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 6 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17
GALVESTON, TX	AIRPORT NAME: SCHOLES INTL AT GALVESTON	RNAV	RNAV (GPS) RWY 18, AMDT 2	AMDT: 1
				DATED: 09/28/2006

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

RNAV (GPS) STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.33**

Bearings, headings, courses, 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 in feet RVR.

ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	PICIP	PICIP	010	IAF	IF		FB					
	PICIP	OMEHU	020		TF		FB	1.0	269.0(271.0T)	010.0	AA 02000	
	TARCU	TARCU	010	IAF	IF		FB					
	TARCU	OMEHU	020		TF		FB	1.0	088.8(090.8T)	010.0	AA 02000	
		OMEHU	010	FACF	IF		FB				AA 02000	
		RAWUF	020	FAF	TF		FB	0.5	178.9(180.9T)	007.0	AA 01800	
		SEPOY	021	SDF	TF		FB	0.3	178.9(180.9T)	002.8	AA 00900 GS 00909	
		RW18	030	MAP	TF		FO	0.3	178.9(180.9T)	002.7	AT 00049	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		178.9(180.9T)		AA 00800	
	DELVE	050		DF	R	FO				AA 03000	
	DELVE	060		HM	R	FO		271.0(273.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DELVE	N290803.17	W0951530.36	N2908.053	W09515.506
	OMEHU	N292856.41	W0945119.75	N2928.940	W09451.329
	PICIP	N292846.89	W0943952.38	N2928.782	W09439.873
	RAWUF	N292155.28	W0945126.98	N2921.921	W09451.450
	SEPOY	N291907.00	W0945129.87	N2919.117	W09451.498
	TARCU	N292904.94	W0950247.15	N2929.082	W09502.786
	RW18	N291624.61	W0945132.65	N2916.410	W09451.544

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18	00006	44

QUALITY 2 CHECKED

CITY AND STATE	ELEVATION: 6 THRE: 6	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP: RNAV (GPS) RWY 17
GALVESTON, TX	AIRPORT NAME: **SCHOLES INTL AT GALVESTON**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 2**	AMDT: **1**
				DATED: **09/28/2006**

ALL AFFECTED PROCEDURES REVIEWED?	COORDINATES OF FACILITIES	REQUIRED EFFECTIVE DATE
☐ YES ☐ NO		

COORDINATED WITH:

ATA ☐ AAT ☐ ALPA ☐ APA ☐ AOPA ☐ NBAA ☐ OTHER (specify) ☐ _____

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME:	NFPG	DATE:
APPROVED BY		
NAME:	NFPG	DATE:

CHANGES:

REASONS:

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
INITIAL	TARCU	OMEHU	1. TOWER (48-008563)	292958.32N/0945743.08W	511 (2C)	1000	AT489	2000
			2. TERRAIN	293012.00N/0945815.00W	30 (0)		AS1500	1500
INITIAL	PICIP	OMEHU	3. AAO	292648.00N/0943857.00W	210 (4E)	1000	AT790	2000
			4. TERRAIN	292748.00N/0943954.00W	10 (0)		AS1500	1500
INTERMEDIATE	OMEHU	RAWUF	5. AAO	292227.00N/0945303.00W	227 (4E)	500	AC98 AT975	1800
			6. TERRAIN	292227.00N/0945303.00W	27 (0)		AS1500	1500
INTERMEDIATE	OMEHU	RAWUF	7. AAO	292230.00N/0945257.00W	220 (4E)	500	AC98 AT982	1800
			8. TERRAIN	292433.00N/0945257.00W	20 (0)		AS1500	1500
FINAL: LP	RAWUF	SEPOY/2.70 NM TO RW18	9. AAO	291942.00N/0945200.00W	200 (2C)	250	RA79 DG371	900
FINAL: LP STEPDOWN	SEPOY/2.70 NM TO RW18	RW18	10. TWR (KGLS0017)	291716.64N/0945136.22W	100 (1A)	250		360
FINAL: LNAV	RAWUF	SEPOY/2.70 NM TO RW18	11. AAO	292212.00N/0945248.00W	207 (2C)	250	RA79 DG364	900
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	RW18 / RW18	DELVE				ASC		3000
			13. TOWER (48-014090)	291239.60N/0945618.78W	328 (2C)	1000		1400
ELEV:	260/300		14. TERRAIN	290821.00N/0951345.00W	30 (0)		AS1500	1500

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL		OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
CATEGORY A	1.3 NM	350	494		15. TOWER (48-011943)	291502.00N/0945119.00W	148 (5D)	300	AC50	500
CATEGORY B	1.5 NM	450	494		15. TOWER (48-011943)	291502.00N/0945119.00W	148 (5D)	300	AC50	500
CATEGORY C	1.7 NM	450	494		15. TOWER (48-011943)	291502.00N/0945119.00W	148 (5D)	300	AC50	500
CATEGORY D	2.3 NM	550	554		16. BRIDGE (48-005786)	291750.00N/0945309.00W	169 (5D)	300	HAA	560
CATEGORY E	4.5 NM	550	614		17. TOWER (48-001949)	291405.00N/0945416.00W	255 (5D)	300	AC50	620

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: RW18

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	MSA
360-360	TWR (48-005320)	271/ 19.6	2017 (3C)	3100					

CITY AND STATE	ELEVATION: 6 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
GALVESTON, TX	SCHOLES INTL AT GALVESTON	RNAV	RNAV (GPS) RWY 18, AMDT 2	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
ZHU ARTCC HOU APP CON GLS TOWER	N W S F A A A / C	OTHER: ASOS	SOURCE: KGLS / KHOU DISTANCE: 0 / 31.59 HOURS REMOTE OPERATION: 24 / 24
SATISFACTORY ON: X V H F X U H F H F	LOCATION: KGLS		ADJUSTMENT: 0 / 79

4. MONITOR STATUS	PRIMARY NAVAID:	
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 14 (PCL)
	X	HIRL 14, 32
	X	MIRL 18 (PCL), 36
	X	REIL 18, 36, 32
		TDZ
		C/LINE
	X	OTHER (SPECIFY) PAPI-4L 18, 36, 14, 32
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 14, 32
	INSTRUMENT	NPI-G 18, 36
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: JILL OLSON (BRIAN BERUBEE)	DATE: 08/20/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PARA 251, 34:1 PENETRATION.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

RASS PRESSURE PATTERNS SAME
KGLS 6, KHOU 43
RA = 78.36.
SEE ATTACHED AIRSPACE LETTER.

40' VEGETATION APPLIED PER FPT

30' BOAT HEIGHT USED IN BAY, 50' BOAT HEIGHT USED IN GULF PER PREVIOUS AMDT

KGLS ASOS ON SVC A
KHOU ASOS ON SVC A

RASS ADJUSTMENT ROUNDED UP TO 80 FEET AND PUBLISHED BY NOTE

VGSI DATA: 43.7/3.00

MISSED APPROACH SEGMENT DEVELOPED USING IPDS. A 20 DEGREE BA WAS USED IN THE DEVELOPMENT OF THE MISSED APPROACH SEGMENT

TERPS VOL 1, VISUAL PORTION OF FINAL PENETRATIONS

34:1
26' TREE (KGLS0045) 291631.61N/0945128.20W (5.42)
19' TREE (KGLS0042) 291629.87N/0945136.75W (3.92)
17' ABND ACFT (KGLSA017) 291629.94N/0945127.98W (1.37)

FPT NOTIFIED OF PENETRATIONS

QUALITY 2 CHECKED

STANDARD INSTRUMENT APPROACH PROCEDURE DATA RECORD

PART - A OBSTRUCTION DATA

1. APP SEGMENT	FROM	TO	OBSTRUCTION	COORDINATES	ELEV. MSL	ROC	ALT. ADJUSTMENTS	MIN. ALT.
FINAL: LNAV STEPDOWN	**SEPOY/2.70 NM TO**	**RW18**	**12. ANT ON BLDG**	**291627.46N/0945111.50W**	**133 (2C)**	**250**		**400**
	RW18		**(KGLS0051)**					

3. MISSED APPROACH										
	MAP:									
	ELEV:									

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL						
CATEGORY B	1.5 NM		450							
CATEGORY C	1.7 NM		450							
CATEGORY D	2.3 NM		550							
CATEGORY E	4.5 NM		550							

5. MINIMUM SAFE ALTITUDES PRIMARY NAVAID:

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A

QUALITY CHECKED

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
GALVESTON, TX	**ELEVATION: 6** AIRPORT NAME: **SCHOLES INTL AT GALVESTON**	**RNAV**	**RNAV (GPS) RWY 18, AMDT 2**	**ASW**

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE		3. ALTIMETER SETTING
SATISFACTORY ON:	N W S	OTHER:	SOURCE:
	F A A		DISTANCE:
	A / C		HOURS REMOTE OPERATION:
V H F / U H F / H F	LOCATION:		ADJUSTMENT:

4. MONITOR STATUS	PRIMARY NAVAID:		
	MONITOR POINT:		
	HRS OPTN:	CAT 1	
		CAT 3	

5. APPROACH & RUNWAY LIGHTING		**ALS**
		(S) SALS
		MALS
		HIRL
		MIRL
		REIL
		TDZ
		C/LINE
		OTHER (SPECIFY)

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	
	MIDFIELD	
	ROLL OUT	
8. GLIDE PATH	GP ANGLE:	ELEV RWY THRESHOLD:
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT:

9. FINAL APPROACH COURSE AIMING		RUNWAY THRESHOLD	FT. FROM THRESHOLD
		ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS:

PART D - PREPARED BY:	DATE:
TITLE:	OFFICE:

PART C - REMARKS:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DELVE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 290803.17N/0951530.36W **TYPE:** WP, INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	SCHOLES	VUH	VORTAC	H	242.58	248.58	22.05	22.05		2600	17500
2	HOBBY	HUB	VOR/DME	H	173.25	178.25		31.22		2000	17500

HOLDING: **HOLDING TYPE OF ACTION:** MODIFY

PATTERNS:

PAT	DIR	IDENT	TYPE	RAD/CRS/BRG	CRS INBOUND	TURN (L OR R)	LEG LENGTH TIME	LEG LENGTH DME	HOLDING ALTITUDES MIN	HOLDING ALTITUDES MAX	TEMPLATES MIN	TEMPLATES MAX
1	W		WP	283.37	103.37	R		4	2000	6000	4	6
2	SW	VUH	VORTAC	242.58	062.58	R	1		2600	6000	6	8
3	E		WP	090.96	270.96	R		4	2000	10000	4	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	200	TOWER (48-012449)	290730.00N/0952125.00W	485	4D
1	200	TOWER (48-004472)	290401.56N/0951911.64W	580	2C
2	200	TOWER (48-004472)	290401.56N/0951911.64W	580	2C
3	200	TOWER (48-002869)	291130.00N/0951734.00W	335	5D
3	265	TOWER (48-012449)	290730.00N/0952125.00W	485	4D

HOLDING RESTRICTIONS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 3100

REMARKS:
SCHOLES (FAC 1) AND HOBBY (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE (US)
EN ROUTE	V70	1, 2				
IAP	RNAV (GPS) RWY 35		1	KLBX	ANGLETON/LAKE JACKSON	TX (US)
IAP	ILS OR LOC RWY 14	1, 2	2	KGLS	GALVESTON	TX (US)
IAP	RNAV (GPS) RWY 14		3	KGLS	GALVESTON	TX (US)
IAP	RNAV (GPS) RWY 18		3	KGLS	GALVESTON	TX (US)
IAP	RNAV (GPS) RWY 32		3	KGLS	GALVESTON	TX (US)
IAP	VOR RWY 14	1, 2	2	KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 13 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
DELETED FAC 3 (RELOY) AND ASSOCIATED DATA
CHANGED PATTERN 1 MAX TEMPLATE FROM 10 TO 6
CHANGED PATTERN 2 MIN/MAX TEMPLATE FROM 5/11 TO 6/8
CHANGED PATTERN 3 INBOUND COURSE FROM 266.96 TO 270.96
CHANGED PAT 3 HOLDING OBST FROM 2017 TWR TO 485 TWR
CHANGED DME FOR PATTERN 1 & 3 FROM 5 TO 4
UPATED PATTERN 1 & 2 CONTROLLING OBST
ADDED NOTE "PRECIPITOUS TERRAIN EVALUATION COMPLETE"
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/01/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: OMEHU **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 292856.41N/0945119.75W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

REMARKS:
FIX NAME RETAINED AT ATC REQUEST DUE TO OPERATIONAL NECESSITY

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
REPOSITIONED FIX 1.10 NM NORTH
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: PICIP **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 292846.89N/0943952.38W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: RAWUF **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 292155.28N/0945126.98W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** MODIFY

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
REPOSITIONED FIX 623 FT NORTH
DELETED FAC 1 AND ASSOCIATED DATA
UPDATED FIX USE

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON, GLS ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SEPOY **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 291907.00N/0945129.87W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHU
ATC FACILITY: HOU APP CON, GLS ATCT
OTHER:

QUALITY 2 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: TARCU **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 292904.94N/0950247.15W **TYPE:** WP

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** ESTABLISH

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	RNAV (GPS) RWY 18			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 01/10/2013

DEVELOPED BY: **DATE:** 08/06/2012 **OFFICE:** AJV-353 **NAME:** JILL OLSON (BRIAN BERUBEE)

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZHN
ATC FACILITY: HOU APP CON
OTHER:

QUALITY 2 CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **GALVESTON** STATE: **TX**

AIRPORT NAME: **SCHOLES INTL AT GALVESTON** ID: **KGLS**

PROCEDURE: **RNAV (GPS) RWY 18** AMDT: **2**

DOCKET # :
(96-AXX-X/Required/Not Required)

ALL DIST TO 1/100 NM; ELEV TO NEAREST FT; COORD TO 1/100 SEC; DEG TO 1/100 DG.

1. Distance from **THLD** to 1000' point **2.83**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.20**
   (Enter appropriate segment , final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **180.86**
4. High Terrain in **FINAL** segment containing 1000' point **7**
5. Distance from **THLD** to 1500' point **4.90**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.71**
7. True Course of **FINAL** segment containing 1500' point **180.86**
8. High Terrain in **FINAL** segment containing 1500' point **7**
9. Threshold Coordinates (if straight-in) ... **291624.61N** / **0945132.65W**
10. ARP Coordinates ..... **291555.20N** / **0945137.50W**
11. Runway Approach End and distance furthest from ARP.....RWY **14**
    Distance **.54** NM
12. FAF Coordinates ..... **292155.28N** / **0945126.98W**
    (Click to Select)

REMARKS: Approach/Drawing attached.

RADIO FIX AND HOLDING DATA RECORD

NAME: SECOY **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 291041.79N/0945138.45W **TYPE:** WP

CANCELLED

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** CANCEL

FIX MAKE-UP FACILITIES:

FAC	NAME	IDENT	TYPE	CLASS	MAG BRG	TRUE BRG	DME	DIST FROM FAC NM	DIST FROM FAC FEET	MRA	MAA
1	KGLS R17					180.85	5.70				17500

HOLDING: **HOLDING TYPE OF ACTION:** NO CHANGE

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	SCHOLES INTL AT GALVESTON - RNAV (GPS) RWY 17			KGLS	GALVESTON	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 1 **DATE OF REVISION:** 01/10/2013

REASON FOR REVISION:
FIX USE UPDATE

DEVELOPED BY: **DATE:** **OFFICE:** **NAME:**

APPROVED BY: **DATE:** **OFFICE:** AJV-353 **NAME:** LARRY STROUT

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: FTW
ARTCC: ZHU
ATC FACILITY: HOU APP CON
OTHER:

QUALITY 2 CHECKED

Federal Aviation Administration

Memorandum

Date:

To: Dick Powell Manager, National Flight Data Center, AJV-21

From: Larry Strout, Manager, Terminal Procedures & Charting Services, Central Team, AJV-353

Subject: **ACTION:** Magnetic Variation Change

The Magnetic Variation (MV) data for the airport(s) and/or facility(s) listed under the 'Airport/Facility" column will be revised effective concurrent with the publication of the procedure(s) listed below.

ILS OR LOC RWY 14, AMDT 12
RNAV (GPS) RWY 14, AMDT 1
RNAV (GPS) RWY 18, AMDT 2
RNAV (GPS) RWY 32, AMDT 1
RNAV (GPS) RWY 36, AMDT 1
VOR RWY 14, AMDT 4

Estimated Chart Date: 01/10/2013

Runway Numbers are affected with the airport rotation; 13/31 change to 14/32 and 17/35 change to 18/36.

Please publish these changes in the National Flight Data Digest.

TEXAS

Location	Name	Airport /Facility	Identifier	Assigned Magnetic Variation Value	Epoch Year
Galveston	Scholes Intl at Galveston	Airport	KGLS / GLS	Old 6 ° East New 2 ° East	2015
Galveston		ILS	GLS	Old 6 ° East New 2 ° East	2015

If you have any questions please notify Larry H. Strout, larry.h.strout@faa.gov (405) 954-5070

Cc:AVJ-3rf
AJV-353; LStrout;sbj;x7537;7/31/12: U:\AVN100\100Public\MAGVAR\MAGVAR Letters 2012\MV Change Request for Galveston, TX (KGLS) 7-31-12
Requestor:BBerubee, AJV-353 Evaluated By:LFortier

CONCURRENCES
ROUTING SYMBOL AJV-34 SBaker
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 JOlson
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-353 LStrout
INITIALS/SIG
DATE
ROUTING SYMBOL AJV-341 JAlfonso
INITIALS/SIG
DATE
ROUTING SYMBOL
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