U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

TACAN OR VOR/DME STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICE - TITLE 14 CFR PART 97.23

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
LBB VORTAC	CRAIG/11.00 DME	101.80 / 11.00	4900
ZONLO/17.00 DME CW (IAF)	DIVER/17.00 DME (NOPT)	17.00 DME ARC	5100
JOXUL/17.00 DME CCW (IAF)	DIVER/17.00 DME (NOPT)	17.00 DME ARC	5200
DIVER/17.00 DME (IF)	CRAIG/11.00 DME	281.80 / 6.00 (LBB R-102)	4900

MISSED APPROACH

MAP: WODOK/ 6.41 DME

CLIMB TO 5000 DIRECT LBB VORTAC AND HOLD (TACAN AIRCRAFT CONTINUE CLIMB TO 5100 ON LBB R-305 TO SPADE INT/17.2 DME AND HOLD NW, LT, 125.00 INBOUND).

ADDITIONAL FLIGHT DATA:

HOLD NW, LT, 125.00 INBOUND.
CHART FAS OBST: 3357 TRMSN TWR 333853N/1014459W
CHART LBB R-216 AT JOXUL.
CHART LBB R-004 AT ZONLO.
CHART: 3649 TOWER 333628N/1014352W
CHART VDP AT 7.59 DME;
CHART: ASR
DISTANCE VDP TO THLD 1.19 MILES
CHART: CRAIG TO RW26: 3.28/50
FAC CROSSES RWY C/L EXTENDED 1076 FROM THLD.

1. PT L SIDE OF COURSE 101.80 OUTBOUND 4900 FT WITHIN 15 MILES OF CRAIG (IAF)
2.
3. FAC 281.80 FAF CRAIG/11.00 DME DIST FAF TO MAP THLD 4.59
4. MIN. ALT CRAIG 4900
8. MSA FROM: LBB VORTAC 5300

MAG VAR: 11E EPOCH YEAR: 1965

MINIMUMS

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

CATEGORY =====>	A			B			C			D			E		
	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA	MDA	VIS	HAT/HAA
S-26	3680	5500	427	3680	5500	427	3680	1 1/4	427	3680	1 1/4	427	3680	1 1/4	427
CIRCLING	3720	1	438	3740	1	458	3740	1 1/2	458	3840	2	558	3980	2 1/2	698

NOTES:

CHART NOTE: INOPERATIVE TABLE DOES NOT APPLY.

@ CAT E 800-2 1/2

QUALITY CHECKED

CITY AND STATE	ELEVATION: 3282 THRE: 3253	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
LUBBOCK, TX	AIRPORT NAME: LUBBOCK PRESTON SMITH INTL	LBB	VOR/DME OR TACAN RWY 26, AMDT 11	AMDT 10D
				DATE 05/10/2007

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]	[X]	[X] AMGR, LBB ATCT, LBB APP CON, ZFW

FLIGHT CHECKED BY		
NAME: JOEL ANDREW ERICKSON	FIFO FIOG	DATE: 05/07/2012
DEVELOPED BY		
NAME: ROY L. BARNETT	FIFO AJV-353	DATE: 03/05/2012
APPROVED BY		
NAME: GREGORY YAMAMOTO MANAGER	FIFO AVN-120	DATE: 05/22/2012

CHANGES:

1. MA FOR TACAN EQUIPPED AIRCRAFT: CONTINUE CLIMB TO 5100 ADDED.
2. IAF'S/MA FIX NAMES ADDED.
3. DME ARCS EXTENDED FROM 16 DME TO 17 DME.
4. INTERMEDIATE SEGMENT EXTENDED FROM 5 NM TO 6 NM.
5. FINAL COURSE CHANGED FROM 282.00 TO 281.80.
6. RAISED MSA ALTITUDE FROM 5200 TO 5300.
7. ADDED VDP AT 7.59 DME.
8. VDA CHANGED FROM 3.09/45 TO 3.28/50.
9. ADDED PROFILE NOTE, VGSI AND DESCENT ANGLE NOT COINCIDENT.
10. THRE ELEV USED TO CALCULATE HAT.

REASONS:

1. NEW CONTROLLING HOLDING OBSTACLE.
2. REQUIRED BY REGULATIONS.
3, 4. DME ARCS EXTENDED TO MEET INTERMEDIATE FIX ADJUSTMENT.
5. NEW FINAL COURSE USED.
6. NEW CONTROLLING OBSTACLE.
7. MEETS REQUIREMENTS FOR PLACEMENT IAW 8260.3.
8. RECALCULATED ANGLE.
9. VGSI NOT WITHIN .2 OF PAPI SETTING.
10. REQUIREMENT FROM 8260.19D.

05/31/12: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 05/22/12.
1. LINE 4, MIN ALT: REMOVED DIVER 5100.

QUALITY 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.
FEEDER	LBB VORTAC	CRAIG/11.00 DME	1. TOWER (48-005634)	333628.00N/1014352.00W	3649 (5D)	1000		4700
			2. TERRAIN	334524.00N/1015303.00W	3350 (3400)		AS1500	4900
INITIAL: ARC	ZONLO/17.00 DME	DIVER/17.00 DME	3. TOWER (48-013021)	335146.00N/1014008.00W	4049 (5D)	1000	AC50	5100
	CW		4. TERRAIN	340227.00N/1014757.00W	3452 (3500)		AS1500	5000
INITIAL: ARC	JOXUL/17.00 DME	DIVER/17.00 DME	5. TOWER (48-009105)	332631.00N/1015242.00W	4145 (5D)	1000		5200
	CCW		6. TERRAIN	332745.00N/1021245.00W	3422 (3400)		AS1500	4900
INTERMEDIATE	DIVER/17.00 DME	CRAIG/11.00 DME	7. TOWER (48-005130)	333854.00N/1014030.00W	3485 (3C)	500	AT915	4900
			8. TERRAIN	333924.00N/1013748.00W	3216 (3200)		AS1500	4700
INTERMEDIATE: PT	15 NM	CRAIG/11.00 DME	7. TOWER (48-005130)	333854.00N/1014030.00W	3485 (3C)	500	AT915	4900
			9. TERRAIN	333842.00N/1014015.00W	3209 (3200)		AS1500	4700
FINAL	CRAIG/11.00 DME	WODOK/ 6.41 DME	10. TRMSN TWR (KLBBT0166)	333853.48N/1014458.66W	3357 (1B)	250	MA22 AT20	3680
2. PROCEDURE TURN	CRAIG	15 NM	11. TOWER (48-015013)	333414.16N/1014808.36W	3790 (2C)	1000	AT110	4900
			12. TERRAIN	334048.00N/1014030.00W	3304 (3300)		AS1500	4800
3. MISSED APPROACH — MAP:	WODOK/ 6.41 DME	LBB VORTAC	13. ANT TK (KLBB0038)	333923.10N/1014810.69W	3415 (1A)	ASC		5000
			14. AAO	334125.25N/1015439.39W	3514 (2C)	1000		4600
ELEV:	3430		15. TERRAIN	334125.25N/1015439.39W	3314 (3300)		AS1500	4800

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	438		13. ANT TK (KLBB0038)	333923.10N/1014810.69W	3415 (1A)	300		3720
CATEGORY B	1.5 NM	450	458		13. ANT TK (KLBB0038)	333923.10N/1014810.69W	3415 (1A)	300	HAA	3740
CATEGORY C	1.7 NM	450	458		13. ANT TK (KLBB0038)	333923.10N/1014810.69W	3415 (1A)	300	HAA	3740
CATEGORY D	2.3 NM	550	558		18. TOWER (48-008411)	333733.00N/1014712.00W	3417 (2C)	300	HAA	3840
CATEGORY E	4.5 NM	550	698		19. TOWER (48-003323)	333716.00N/1015355.00W	3576 (5D)	300	XP54 AC50	3980

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: LBB VORTAC

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (48-013579)	036/ 22.3	4280 (5D)	5300					

QUALITY CHECKED 4

CITY AND STATE	ELEVATION: 3282 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
LUBBOCK, TX	LUBBOCK PRESTON SMITH INTL	LBB	VOR/DME OR TACAN RWY 26, AMDT 11	ASW

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE			3. ALTIMETER SETTING
LBB APP CON ZFW ARTCC LBB TOWER	X	N W S	OTHER: ASOS	SOURCE: KLBB
		F A A		DISTANCE:
SATISFACTORY ON:		A / C		HOURS REMOTE OPERATION:
X V H F X U H F H F	LOCATION: KLBB			ADJUSTMENT: 0

4. MONITOR STATUS	PRIMARY NAVAID:	LBB VORTAC
	MONITOR POINT:	LBB APP CON
	HRS OPTN: CAT 1	24
	HRS OPTN: CAT 3	

5. APPROACH & RUNWAY LIGHTING		ALS
		(S) SALS
	X	MALSR 17R, 26
	X	HIRL 17R, 35L, 08, 26
		MIRL
	X	REIL 08
		TDZ
		C/LINE
	X	OTHER (SPECIFY) ODALS 35L PAPI-4R 17R VASI-4L 35L, 08, 26

6. RUNWAY MARKINGS	BASIC	BSC-G 35R, 17L
	ALL WEATHER	PIR-G 17R, 35L, 08, 26
	INSTRUMENT	
7. RUNWAY VISUAL RANGE	APPROACH	17R, 26
	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 1076	FT. FROM THRESHOLD
	X	ON CENTERLINE	FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ROY L. BARNETT	DATE: 03/05/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

BLOCK 3: ALTIMETER SETTING
ALTERNATE ALTIMETER SOURCE: NA REDUNDANT RESOURCES AT THE AIRPORT.
VEGETATION HEIGHT USED PER FPT: 55 FEET.
TERPS PARAGRAPH 289 APPLIED TO 3649 TOWER
333628.00N/1014352.00W
VGSI DATA 3.00/50

SEE ATTACHED AIRSPACE LETTER.

XP = OE PROTECTED AIRSPACE.

MISSED APPROACH OBSTACLES CONT.
TACAN AIRCRAFT:
13. ANT TK (KLBB0038) 333923.10N/1014810.69W 3415 (1A) ASC 5100
16. TOWER (48-008936) 334921.00N/1021052.00W 3805 (3C) 1000 4900
17. TERRAIN 335630.00N/1020651.00W 3511 (3500) AS1500 5000

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: CRAIG **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 333800.99N/1014241.74W **TYPE:** 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	LUBBOCK	LBB	VORTAC	L	101.80	112.80	11.00	11.00	66837	4700	17500

FIX RESTRICTIONS:
MILITARY ONLY

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	E	LBB	VORTAC	101.80	281.80	R	1		4700	9000	9	11

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (48-002724)	334414.00N/1014458.00W	3649	5D

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

REMARKS:
DO NOT CHART HOLDING PATTERN
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI-VOR/DME OR TACAN RWY 26	1	1	KLBB	LUBBOCK	TX (US)
IAP	VOR/DME OR TACAN RWY 26	1	1	KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 3 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIX MOVED 43.30 FEET SE.
TRUE BEARING CHANGED FROM 112.82T TO 112.80T
COURSE INBOUND CHANGED FROM 281.82M TO 281.80M
MRA CHANGED FROM 4200 TO 4700
DISTANCE FROM FAC ADDED IN NM/FEET.
RAISED HOLDING TEMPLATES FROM 7/9 TO 9/11 TO ACCOMMODATE CAT E AIRCRAFT.
PRECIPITOUS TERRAIN EVALUATION NOTE ADDED.

DEVELOPED BY: **DATE:** 02/28/2012 **OFFICE:** AJV-353 **NAME:** ROY BARNETT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: LBB ATCT
OTHER:

QUALITY A CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: DIVER **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 333540.40N/1013604.77W **TYPE:** 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	LUBBOCK	LBB	VORTAC	L	101.80	112.80	17.00	17.00		5100	17500

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

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	VOR/DME OR TACAN RWY 26	1		KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 2 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
FIX MOVED 1.01 NM SE.
FIX NAME RETAINED PER ATC REQUEST.
TRUE BEARING CHANGED FROM 112.82 TO 112.80
DME DISTANCE AND DISTANCE FROM 16 TO 17, DISTANCE FROM FAC ADDED.

DEVELOPED BY: **DATE:** 03/02/2012 **OFFICE:** AJV-353 **NAME:** ROY BARNETT

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

SIGNATURE:

DISTRIBUTION: **NFDC**
FPO: CEN
ARTCC: ZFW
ATC FACILITY: LBB ATCT
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: JOXUL **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 333043.52N/1020946.54W **TYPE:** DME

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

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	LUBBOCK	LBB	VORTAC	L	216.27	227.27	17.00	17.00		6000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V102	1				(US)
IAP	VOR/DME OR TACAN RWY 26	1		KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 03/03/2012 **OFFICE:** AJV-353 **NAME:** ROY BARNETT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: LBB ATCT
OTHER:

QUALITY & CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LUBBOCK VORTAC **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 334217.82N/1015450.44W **TYPE:**

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	LUBBOCK	LBB	VORTAC	L							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	NW	LBB	VORTAC	305.00	125.00	L	1-1 1/2		4800	14000	9	13

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
UPN	265	TOWER (48-001648)	333007.94N/1015221.37W	4157	5D
1	265	TOWER (48-008896)	334527.00N/1020133.00W	3711	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 COINCIDE WITH PROCEDURE TURN

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
UNPLANNED HOLDING AUTHORIZED AT OR ABOVE 5200.
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WORTH			KGKY	ARLINGTON	TX (US)
DP	WORTH			KADS	DALLAS	TX (US)
DP	COYOTE			KDAL	DALLAS	TX (US)
DP	LOVE			KDAL	DALLAS	TX (US)
DP	WORTH			KDAL	DALLAS	TX (US)
DP	WORTH			KRBD	DALLAS	TX (US)
DP	CEOLA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	COYOTE			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH			KDTO	DENTON	TX (US)
DP	WORTH			KAFW	FORT WORTH	TX (US)
DP	WORTH			KFTW	FORT WORTH	TX (US)
DP	WORTH			KFWS	FORT WORTH	TX (US)
DP	WORTH			KNFW	FORT WORTH	TX (US)
DP	WORTH			KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH			KLNC	LANCASTER	TX (US)
DP	WORTH			KTKI	MC KINNEY	TX (US)
DP	WORTH			KHQZ	MESQUITE	TX (US)
DP	MIDLAND			KMAF	MIDLAND	TX (US)
EN ROUTE	V102					(US)
EN ROUTE	V14					(US)
EN ROUTE	V385					(US)
EN ROUTE	V563					(US)
EN ROUTE	V62					(US)
EN ROUTE	V76					(US)
EN ROUTE	V81					(US)
IAP	NDB RWY 35			K8F3	CROSBYTON	TX (US)
IAP	RNAV (GPS) RWY 17			K8F3	CROSBYTON	TX (US)
IAP	RNAV (GPS) RWY 17			KLLN	LEVELLAND	TX (US)
IAP	RNAV (GPS) RWY 35			KLLN	LEVELLAND	TX (US)
IAP	NDB OR GPS RWY 1			KLIU	LITTLEFIELD	TX (US)
IAP	HI LOC/DME BC RWY 35L			KLBB	LUBBOCK	TX (US)
IAP	HI-ILS OR LOC RWY 17R			KLBB	LUBBOCK	TX (US)
IAP	HI-VOR/DME OR TACAN RWY 26			KLBB	LUBBOCK	TX (US)
IAP	ILS OR LOC RWY 17R			KLBB	LUBBOCK	TX (US)
IAP	ILS OR LOC RWY 26		1	KLBB	LUBBOCK	TX (US)
IAP	LOC BC RWY 35L			KLBB	LUBBOCK	TX (US)
IAP	VOR-A			KLBB	LUBBOCK	TX (US)
IAP	VOR/DME OR TACAN RWY 26		1	KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: DP, MILITARY IAP, IAP, CONTROLLER, EN ROUTE LOW, EN ROUTE HIGH

COMPULSORY REPORTING POINT: NO

QUALITY A CHECKED

RECORD REVISION NUMBER: 11 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
CHANGED PATTERN 1 AIRSPEED TO 265KTS TO ACCOMODATE CAT E HOLDING.
HOLDING TEMPLATED RAISED FROM 5/10 TO 9/13.

DEVELOPED BY:	**DATE:** 04/18/2012	**OFFICE:** AJV-353	**NAME:** ROY BARNETT
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW, ZAB
ATC FACILITY: LBB APP CON
OTHER:

QUALITY & CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SPADE **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 335439.69N/1020910.64W **TYPE:** INT, DME

AIRSPACE DOCKET: **FIX TYPE OF ACTION:** NO CHANGE

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	LUBBOCK	LBB	VORTAC	L	305.00	316.00	17.18	17.18		5000	17500
2	PLAINVIEW	PVW	VOR/DME	L	229.00	240.00		20.92		5000	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	NW	LBB	VORTAC	305.00	125.00	L	1-1 1/2		5100	17500	10	17

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	265	TOWER (48-008229)	340609.00N/1021858.00W	4085	5D

REASON FOR NONSTANDARD HOLDING:
PAT 1 ATC REQUEST

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERN.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V62	1, 2				TX (US)
IAP	RNAV (GPS) RWY 8			KLBB	LUBBOCK	TX (US)
IAP	RNAV (GPS) Y RWY 17R			KLBB	LUBBOCK	TX (US)
IAP	RNAV (RNP) Z RWY 17R			KLBB	LUBBOCK	TX (US)
IAP	VOR/DME OR TACAN RWY 26	1, 2	1	KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: IAP, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 6 **DATE OF REVISION:** 07/26/2012

REASON FOR REVISION:
CHANGED PATTTERN 1 AIRSPEED FROM 200 TO 265KTS TO ACCOMMODATE CAT E AIRCRAFT.
CHANGED MINIMUM TEMPLATE SIZE FROM 6 TO 10 FOR CAT E AIRCRAFT.
CHANGED HOLDING CONTROLLING OBSTACLE.

DEVELOPED BY: **DATE:** 04/18/2012 **OFFICE:** AJV-353 **NAME:** ROY BARNETT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: LBB APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: WODOK **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 333948.36N/1014745.81W **TYPE:** DME

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

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	LUBBOCK	LBB	VORTAC	L	101.80	112.80	6.41	6.41		3580	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	HI VOR/DME OR TACAN RWY 26	1		KLBB	LUBBOCK	TX (US)
IAP	VOR/DME OR TACAN RWY 26	1		KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: MILITARY IAP, IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 02/27/2012 **OFFICE:** AJV-353 **NAME:** ROY BARNETT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: LBB ATCT
OTHER:

QUALITY 1 CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: ZONLO **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 335844.17N/1014930.51W **TYPE:** DME

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

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	LUBBOCK	LBB	VORTAC	L	004.12	015.12	17.00	17.00		5000	17500

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
EN ROUTE	V81	1				(US)
IAP	VOR/DME OR TACAN RWY 26	1		KLBB	LUBBOCK	TX (US)

REQUIRED CHARTING: IAP, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: ORIG **DATE OF REVISION:** 07/26/2012

DEVELOPED BY: **DATE:** 03/02/2012 **OFFICE:** AJV-353 **NAME:** ROY BARNETT

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

SIGNATURE:

DISTRIBUTION:
NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: LBB ATCT
OTHER:

QUALITY CHECKED

TERMINAL AIRSPACE DATA REQUIREMENTS

CITY: **LUBBOCK** STATE: **TX**

AIRPORT NAME: **LUBBOCK PRESTON SMITH INTL** ID: **KLBB**

PROCEDURE: **VOR/DME OR TACAN RWY 26** AMDT: **11**

DOCKET#: **NOT REQUIRED**
(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 **2.59**
   (Enter THLD, FAF, ARP, FACILITY, as appropriate)
2. Width of **FINAL** segment at 1000' point **1.80**
   (Enter appropriate segment, final, intermediate, etc.)
3. True Course of **FINAL** segment containing 1000' point **292.80**
4. High Terrain in **FINAL** segment containing 1000' point **3285**
5. Distance from **THLD** to 1500' point **4.39**
   (If 1500' point in PT maneuvering area or holding pattern note in remarks)
6. Width of **FINAL** segment at 1500' point **1.98**
7. True Course of **FINAL** segment containing 1500' point **292.80**
8. High Terrain in **FINAL** segment containing 1500' point **3285**
9. Threshold Coordinates (if straight-in) ... **333944.48N** / **1014747.77W**
10. ARP Coordinates ..... **333949.20N** / **1014914.00W**
11. Runway Approach End and distance furthest from ARP ..... RWY **26**
    Distance **1.31** NM
12. FAF Coordinates ..... **333800.99N** / **1014241.74W**

REMARKS: Approach/Drawing attached.