U.S. DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION

VOR 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
CEKHI INT/TTT 15.00 DME/RADAR (IF)	EPOVE INT/TTT 11.00 DME/RADAR	132.34 / 4.00 (TTT R-312)	3000
EPOVE INT/TTT 11.00 DME/RADAR	SULHU INT/TTT 7.50 DME/RADAR	132.34 / 3.50 (TTT R-312)	2000

MISSED APPROACH

MAP: 4.20 MILES AFTER SULHU INT/7.50 DME/RADAR OR AT VUCUK/ 3.30 DME FIX

CLIMBING RIGHT TURN TO 3000 ON TTT VOR/DME R-275 TO SLOTT/TTT 35.62 DME AND HOLD.

ADDITIONAL FLIGHT DATA:

HOLD E, RT, 274.96 INBOUND.
FAS OBST: 879 AAO 325654N/0970811W
CHART: 888 TOWER 325816N/0970730W
CHART VDP AT 4.74 DME;
DISTANCE VDP TO THLD 1.50 MILES.
SULHU TO RW13R: 2.99/55.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT CEKHI
3. FAC 132.34 FAF SULHU INT/TTT 7.50 DME/RADAR DIST FAF TO MAP 4.20 THLD 4.26
4. MIN. ALT CEKHI 3000, EPOVE 3000, SULHU 2000
8. MSA FROM: TTT VOR/DME 090-270 3600, 270-090 2700

MAG VAR: 6E EPOCH YEAR:2000

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-13R	1140	2400	549	1140	2400	549	1140	6000	549	1140	6000	549			

NOTES:

CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
CHART PLANVIEW NOTE: RADAR REQUIRED

QUALITY CHECKED

CITY AND STATE	ELEVATION: 607 THRE: 591	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP
DALLAS-FORT WORTH, TX	AIRPORT NAME: DALLAS/FORT WORTH INTL	TTT	VOR RWY 13R, AMDT 1B	AMDT 1A
				DATE 05/31/2012

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 **ZFW, DFW ATCT, APRT MGR, ST AV DIR**

FLIGHT CHECKED BY		
NAME: **TOM CASSERLY**	FIFO **FIOG**	DATE: **01/08/2002**
DEVELOPED BY		
NAME: **JILL OLSON (KISSY MAXFIELD)**	FIFO **AJV-353**	DATE: **07/02/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. MDA INCREASED FROM 1100 TO 1140.
2. INCREASED CAT C/D VISIBILITYFROM 5000 TO 6000.
3. MISSED ALTITUDE CHANGED FROM 5000 TO 3000.
4. VDP CHANGED FROM 4.67 DME TO 4.74.
5. ADDED CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT.
6. ADDED INOP MALSR NOTE.
7. CHANGED THLD TO THRE.
8. CHANGED "VIA" IN MISSED TO "ON".

REASONS:

1. NEW CONTROLLING OBS.
2. IAW 8260.19E VISIBILITY CRITERIA.
3. PER FPT REQUEST.
4. NEW MDA.
5. VGSI TCH IS MORE THAN 3 FEET FROM THE PROCEDURE TCH.
6. INOPERATIVE MALSR ADJUSTMENT OTHER THAN STANDARD.
7. UPDATE TO CURRENT CRITERIA.
8. IAW 8260.19E, 8-56.

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.
INTERMEDIATE	CEKHI INT/TTT	EPOVE INT/TTT	1. TOWER (48-001666)	330144.87N/0971804.59W	993 (1A)	500	AT1507	3000
	15.00 DME/RADAR	11.00 DME/RADAR	2. TERRAIN	330709.00N/0971227.00W	788 (800)		AS1000	1800
INTERMEDIATE:	EPOVE INT/TTT	SULHU INT/TTT	3. AAO	325842.00N/0971312.00W	955 (4E)	500	AC98 DG447	2000
STEPDOWN	11.00 DME/RADAR	7.50 DME/RADAR	4. TERRAIN	325842.00N/0971312.00W	755 (800)		AS1000	1800
FINAL	SULHU INT/TTT	4.20 MILES AFTER	5. AAO	325654.25N/0970811.44W	879 (2C)	250		1140
	7.50 DME/RADAR	SULHU INT/7.50						
		DME/RADAR OR AT						
		VUCUK/ 3.30 DME						
		FIX						
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	4.20 MILES AFTER	SLOTT/TTT 35.62				ASC		3000
	SULHU INT/7.50	DME	6. AAO	325433.00N/0974306.00W	1444 (4E)	1000		2500
ELEV:	890		7. TERRAIN	325433.00N/0974306.00W	1244 (1200)		AS1500	2700

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT. REQUIRED	HT. ABV. ARPT. ACTUAL
CATEGORY A	1.3 NM	350	
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: TTT VOR/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
090-270	TWR (48-008489)	161/ 17.5	2549 (2C)	3600					
270-090	TWR (48-012293)	351/ 27.5	1658 (5D)	2700					

CITY AND STATE	ELEVATION: 607 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DALLAS-FORT WORTH, TX	DALLAS/FORT WORTH INTL	TTT VOR/DME	VOR RWY 13R, AMDT 1B	ASW

QUALITY CHECKED

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	TTT VOR/DME
	MONITOR POINT:	
	HRS OPTN: CAT 1	
	HRS OPTN: CAT 3	
5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 18R, 35R, 35C, 17L, 17C
		(S) SALS
	X	MALSR 36R, 17R, 35L, 36L, 18L, 31R, 13R
	X	HIRL 13L, 16, 18R, 35R, 36R, 35C, 17R, 35L, 36L, 34, 17L, 18L, 31L, 31R, 13R, 17C
		MIRL
	X	REIL 13L, 31L
	X	TDZ 18R, 35R, 36R, 35C, 17R, 35L, 36L, 17L, 18L, 31R, 13R, 17C
	X	C/L 13L, 18R, 35R, 36R, 35C, 17R, 35L, 36L, 17L, 18L, 31L, 31R, 13R, 17C
	X	OTHER (SPECIFY) PAPI-4R 35R PAPI-2R 35C PAPI-4L 13L, 18R, 36R, 17R, 35L, 36L, 17L, 18L, 31L, 31R, 13R, 17C
6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 18R, 35R, 36R, 35C, 17R, 34L, 35L, 36L, 17L, 18L, 16R, 31R, 13R, 17C
	INSTRUMENT	NPI-G 13L, 31L
7. RUNWAY VISUAL RANGE	APPROACH	13L, 18R, 35R, 36R, 35C, 17R, 35L, 36L, 17L, 18L, 31L, 31R, 13R, 17C
	MIDFIELD	13L, 18R, 35R, 36R, 35C, 17R, 35L, 36L, 17L, 18L, 31R, 17C
	ROLL OUT	13L, 18R, 35R, 36R, 35C, 17R, 35L, 36L, 17L, 18L, 31L, 31R, 13R, 17C
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 (KISSY MAXFIELD)	DATE: 07/02/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

TERPS PARAGRAPH 289 APPLIED TO 888 TOWER 325816N/0970730W

NO ADDITIONAL AIRSPACE REQUIRED.

ALTIMETER SETTING
KDFW 577.1
KDFW ASOS ON SERVICE A.

CIRCLING NOT DEVELOPED PER DFW FPT AND ATC REQUEST/REQUIREMENTS.

RADAR REQUIRED PROCEDURE ENTRY DEVELOPED PER ATC REQUEST/REQUIREMENTS.

NO BACKUP ALTIMETER REQUIRED, AIRPORT HAS REDUNDANT WEATHER.

NO VEGETATION ADDED DUE TO FPT REQUEST.

VGSI DATA: 3.00/70.7

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: SLOTT **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 325849.20N/0974400.15W **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	MAVERICK	TTT	VOR/DME	H	274.96	280.96	35.62	35.62		3000	17500
2	BOWIE	UKW	VORTAC	H	166.40	172.40		33.56		3000	17500
3	RANGER	FUZ	VORTAC	H	275.16	281.16	28.50	28.50		3000	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	E	TTT	VOR/DME	274.96	274.96	R	1		3000	14000	6	12
2	E		WP	095.00	275.00	R		4	3000	14000	5	11
3	E	FUZ	VORTAC	275.16	275.16	R	1		3000	14000	6	12

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-002468)	325920.00N/0974705.00W	1569	3C
2	200	TOWER (48-002468)	325920.00N/0974705.00W	1569	3C
3	200	TOWER (48-002468)	325920.00N/0974705.00W	1569	3C

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
MAVERICK (FAC 1) AND BOWIE (FAC 2) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
DP	WORTH	1, 2		KGKY	ARLINGTON	TX (US)
DP	WORTH	1, 2		KADS	DALLAS	TX (US)
DP	COYOTE	1, 2		KDAL	DALLAS	TX (US)
DP	LOVE	1, 2		KDAL	DALLAS	TX (US)
DP	WORTH	1, 2		KDAL	DALLAS	TX (US)
DP	WORTH	1, 2		KRBD	DALLAS	TX (US)
DP	CEOLA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	COYOTE	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	FERRA (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	PODDE (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	SLOTT (RNAV)			KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH	1, 2		KDFW	DALLAS-FORT WORTH	TX (US)
DP	WORTH	1, 2		KDTO	DENTON	TX (US)
DP	WORTH	1, 2		KAFW	FORT WORTH	TX (US)
DP	WORTH	1, 2		KFTW	FORT WORTH	TX (US)
DP	WORTH	1, 2		KFWS	FORT WORTH	TX (US)
DP	WORTH	1, 2		KNFW	FORT WORTH	TX (US)
DP	WORTH	1, 2		KGPM	GRAND PRAIRIE	TX (US)
DP	WORTH	1, 2		KLNC	LANCASTER	TX (US)
DP	WORTH	1, 2		KTKI	MC KINNEY	TX (US)
DP	WORTH	1, 2		KHQZ	MESQUITE	TX (US)
IAP	CONVERGING ILS 13R	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	CONVERGING ILS 13R (MA)	2, 3	3	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 13R	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 13R (MA)	2, 3	3	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) Y RWY 13R		2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (RNP) Z RWY 13R		2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	VOR RWY 13R	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: DP, IAP, AREA

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 8 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
CHANGED FAC 1/2/3 MRA ALTITUDE FROM 5000 TO 3000.
CHANGED PATTERN 1/2/3 MIN HOLDING ALT FROM 5000 TO 3000.
CHANGED PATTERN 2 LEG LENGTH DME FROM 5 TO 4.
CHANGED PATTERN 1/3 MIN TEMPLATE SIZE FROM 7 TO 6.
CHANGED PATTERN 2 MIN TEMPLATE SIZE FROM 7 TO 5.
REMOVED "PAT 3, FAC 2&3 (DISTANCE FROM FAC 34, LEAST DIVERGENCE ANGLE 71)" REMARK.
ADDED FAC MAKEUP REMARK.

QUALITY CHECKED

DEVELOPED BY:	**DATE:** 05/01/2012	**OFFICE:** AJV-353	**NAME:** JILL OLSON (KISSY MAXFIELD)
APPROVED BY:	**DATE:**	**OFFICE:** AJV-353	**NAME:** LARRY STROUT
	SIGNATURE:		

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

QUALITY CHECKED 9