Flight Procedure Tracking Form	Action: FLIGHT CHECK	Task Type: IAP	Date Open: 04/23/2012	Task #: 2011072922996901057	Request #: 20110729229969
Procedure: RNAV (GPS) RWY 18 L AMDT 1		Airport ID: KDFW	Airport: DALLAS/FORT WORTH INTL		Reimbursable #:
City: DALLAS-FORT WORTH	ST: TX	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID: DFW	Fac. Type: Proc-S	Specialist: STEVE NELSON			

P2

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:	04/18/2012	07/26/2012	JILL OLSON	
QA:	07/26/2012	07/26/2012	DAVID PUGLISI	
Liaison:	07/26/2012		K. Spurlin	P2

Procedure Comments: **Remark Type:** INFORMATION PKG 4 of 6

DALLAS/FORT WORTH, TX DALLAS/FORT WORTH INTL (KDFW) RNAV (GPS) RWY 18L, AMDT 1 ENROUTE-NO FC BY 10/2/12 PUB 11/15/12

ATTACHED FORMS: 8260-3, 8260-9, 8260-10.
8260-2(S): ALIGN INT, REV 14; GRUCH INT, REV 7; HASTY INT, REV 4; LIKES INT, REV 5; UDALL INT, REV 16.

CONTACT: JILL OLSON/STEVE BARNETT, AJV-353 LEADS, 405.954.0414/9307.

WAAS CH 86807 W18A	APP CRS 174°	Rwy ldg 13400 THRE 602 Apt Elev 607

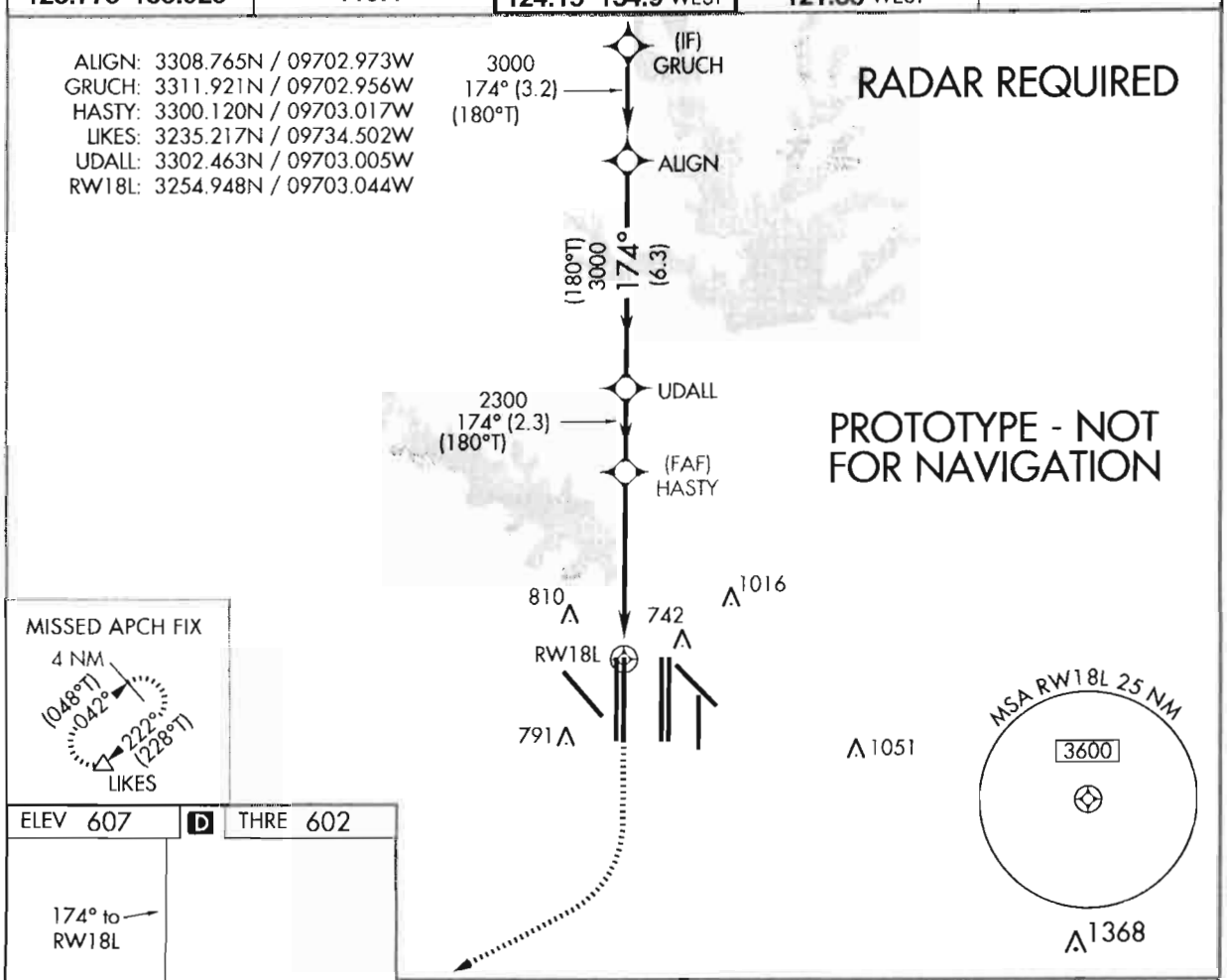
RNAV (GPS) RWY 18L
DALLAS-FORT WORTH INTL (DFW)

DME/DME RNP-0.3 NA. Simultaneous approach authorized with Rwy 17L/C/R. LNAV procedure NA during simultaneous operations. Use of FD or AP providing RNAV track guidance required during simultaneous operations. For inop MALSR, increase LNAV MDA Cat C/D visibility to 1¾ mile. For uncompensated Baro-VNAV systems, LNAV/VNAV NA below -16°C (4°F) or above 54°C (130°F).

MALSR

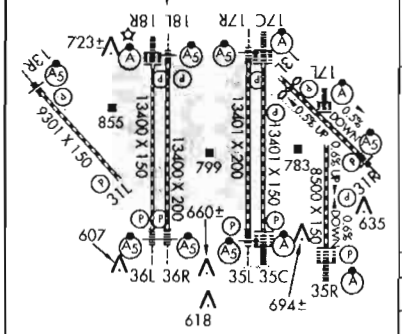
MISSED APPROACH: Climb to 1100, then climbing right turn to 3000 direct LIKES and hold.

ATIS ARR	ATIS DEP	REGIONAL APP CON	DFW TOWER	GND CON	CLNC DEL
123.775	135.925	119.4	126.55 127.5 EAST 124.15 134.9 WEST	121.65 121.8 EAST 121.85 WEST	128.25



ELEV 607 | D | THRE 602

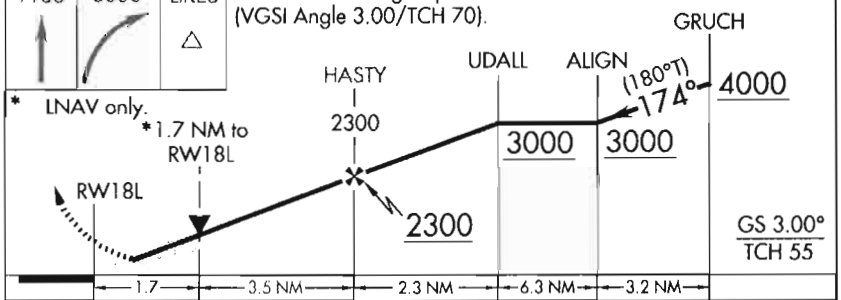
174° to RW18L



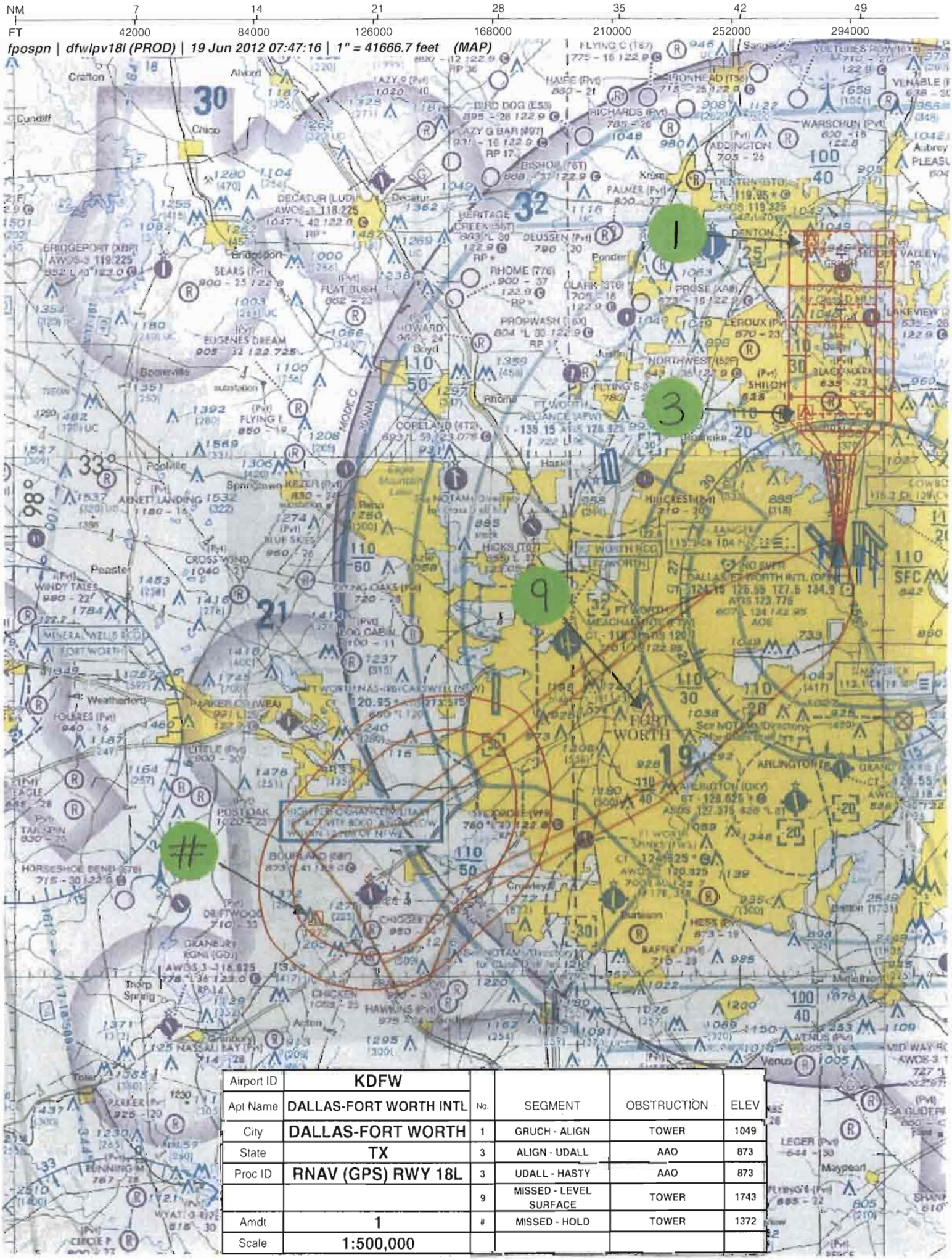
HIRL all Rwys
REIL Rwys 13L and 31L
TDZ/CL all Rwys except 13L and 31L

1100 | 3000 | LIKES

VGSI and RNAV glidepath not coincident (VGSI Angle 3.00/TCH 70).



CATEGORY	A	B	C	D
LPV DA	802/24 200 (200-½)			
LNAV/VNAV DA	980/40 378 (400-¾)			
LNAV MDA	1220/24 618 (700-½)		1220-1⅜ 618 (700-1⅜)	



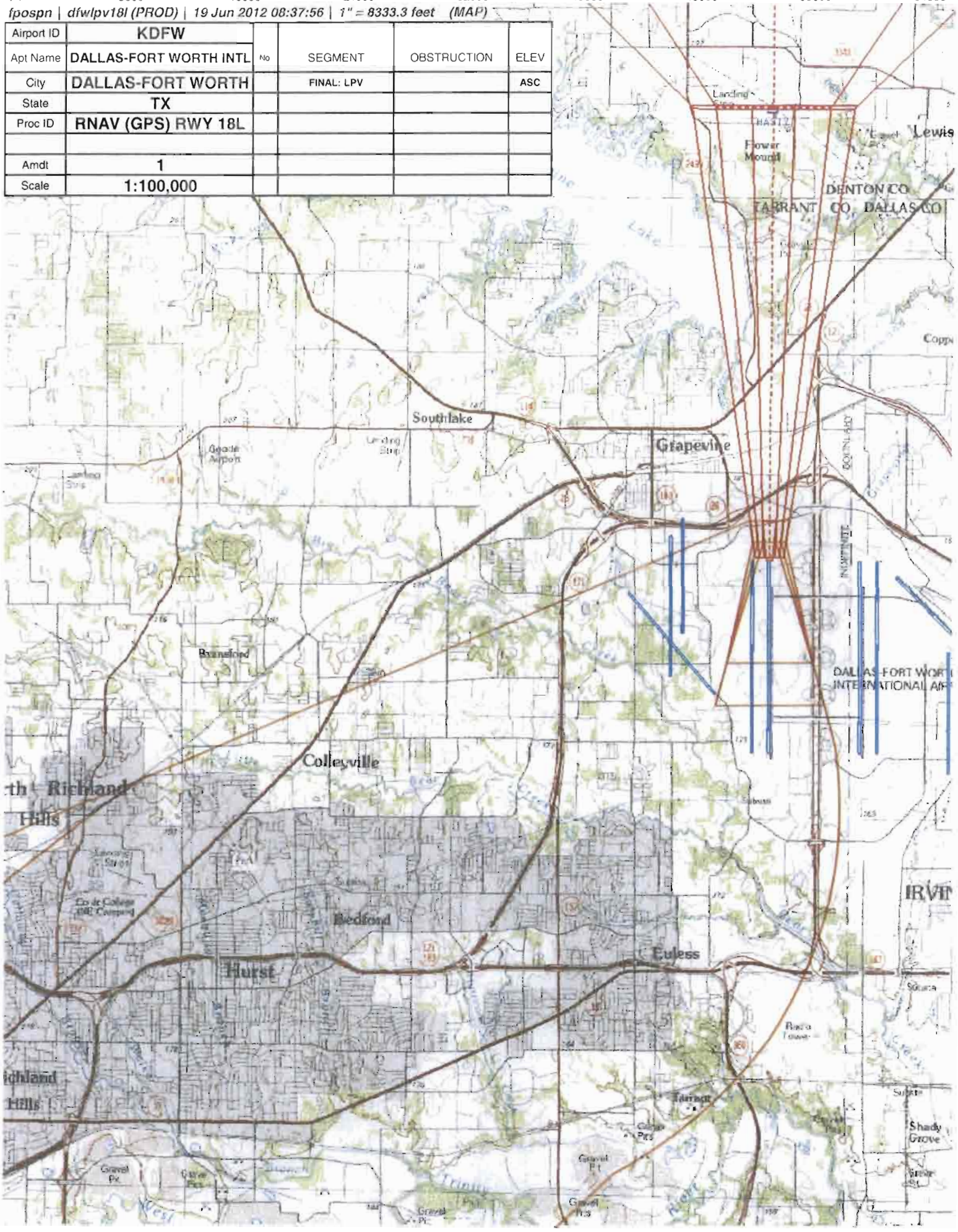
Airport ID	KDFW				
Apt Name	DALLAS-FORT WORTH INTL	No.	SEGMENT	OBSTRUCTION	ELEV
City	DALLAS-FORT WORTH	1	GRUCH - ALIGN	TOWER	1049
State	TX	3	ALIGN - UDALL	AAO	873
Proc ID	RNAV (GPS) RWY 18L	3	UDALL - HASTY	AAO	873
		9	MISSED - LEVEL SURFACE	TOWER	1743
Amdt	1	#	MISSED - HOLD	TOWER	1372
Scale	1:500,000				

NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpospn | dfwlpv18l (PROD) | 19 Jun 2012 08:37:56 | 1" = 8333.3 feet (MAP)

Airport ID	KDFW				
Apt Name	DALLAS-FORT WORTH INTL	No	SEGMENT	OBSTRUCTION	ELEV
City	DALLAS-FORT WORTH		FINAL: LPV		ASC
State	TX				
Proc ID	RNAV (GPS) RWY 18L				
Amdt	1				
Scale	1:100,000				

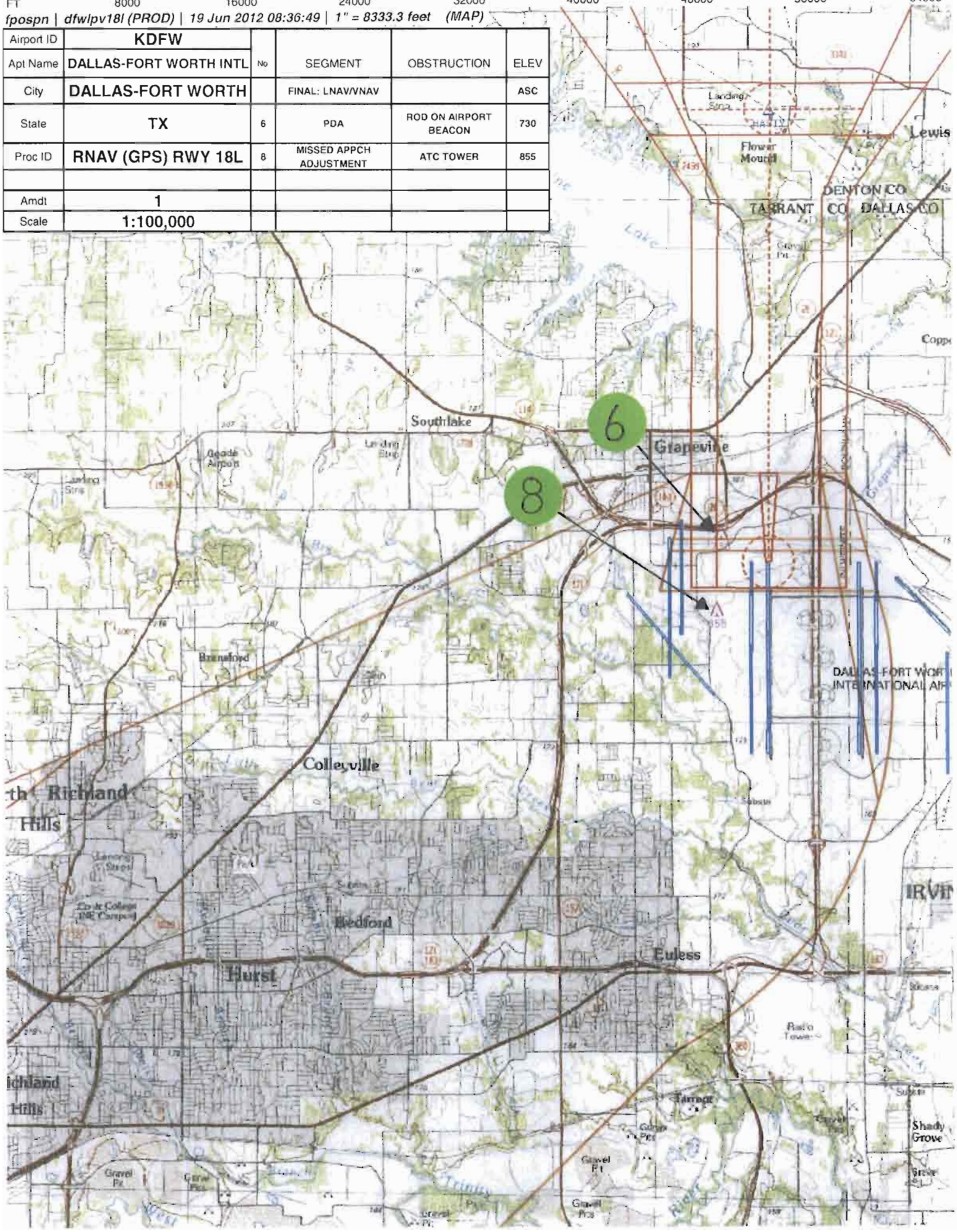


NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpospn | dfwlpv18l (PROD) | 19 Jun 2012 08:36:49 | 1" = 8333.3 feet (MAP)

Airport ID	KDFW				
Apt Name	DALLAS-FORT WORTH INTL	No	SEGMENT	OBSTRUCTION	ELEV
City	DALLAS-FORT WORTH		FINAL: LNAV/VNAV		ASC
State	TX	6	PDA	ROD ON AIRPORT BEACON	730
Proc ID	RNAV (GPS) RWY 18L	8	MISSED APPCH ADJUSTMENT	ATC TOWER	855
Amdt	1				
Scale	1:100,000				

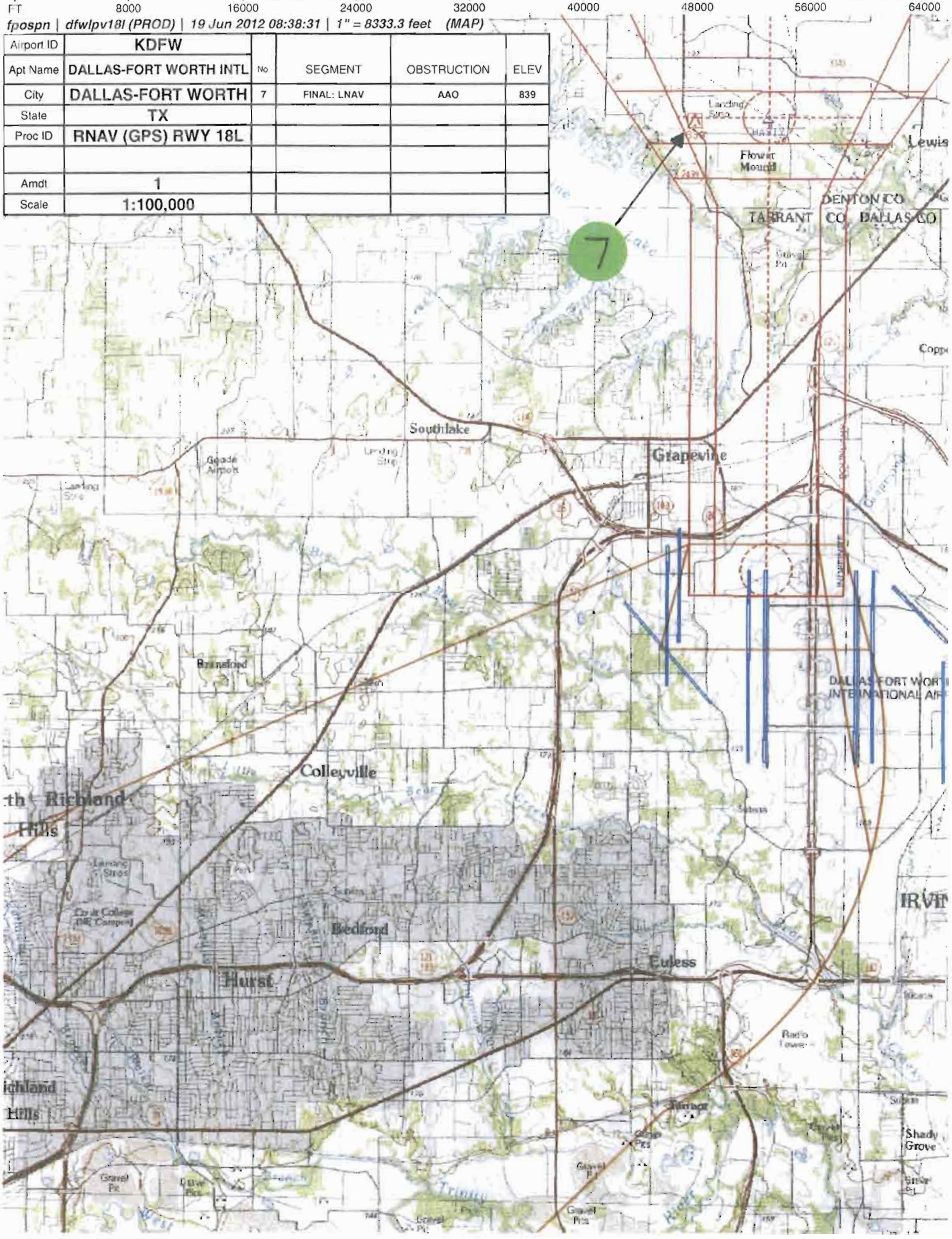


NM 1 2 3 4 5 6 7 8 9 10

FT 8000 16000 24000 32000 40000 48000 56000 64000

fpospn | dfwlpv18l (PROD) | 19 Jun 2012 08:38:31 | 1" = 8333.3 feet (MAP)

Airport ID	KDFW				
Apt Name	DALLAS-FORT WORTH INTL	No	SEGMENT	OBSTRUCTION	ELEV
City	DALLAS-FORT WORTH	7	FINAL: LNAV	AAO	839
State	TX				
Proc ID	RNAV (GPS) RWY 18L				
Amdt	1				
Scale	1:100,000				



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
GRUCH (IF)	ALIGN (FB)	174.25 / 3.15	3000
ALIGN	UDALL (FB)	174.25 / 6.29	3000
UDALL	HASTY (FB)	174.25 / 2.34	2300
HASTY (FAF)	RW18L (MAP) (FO)	174.25 / 5.16	
RW18L (MAP)	1100 MSL	174.25	1100
1100 MSL	LIKES (FO)		3000

MISSED APPROACH

LPV: DA
LNAV/VNAV: DA
LNAV: RW18L

CLIMB TO 1100, THEN CLIMBING RIGHT TURN TO 3000 DIRECT LIKES AND HOLD.

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT GRUCH
3. FAC: 174.25 FAF: HASTY DIST FAF TO MAP: 5.16 THLD: 5.16
4. MIN. ALT: GRUCH 4000, ALIGN 3000, UDALL 3000, HASTY 2300
5. DIST TO THLD FROM OM: ____ MM: ____ IM: ____ 150 HAT: ____ 100 HAT: ____ GS ANT: ____
6. MIN GS INCPT: 2300 GS ALT AT: HASTY 2300 OM: ____ MM: ____ IM: ____
7. GS ANGLE: 3.00 TCH: 54.5 34:1 IS CLEAR
8. MSA FROM: RW18L 3600

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 221.97 INBOUND.
FAS OBST: 839 AAO 330000N/0970402W
DISTANCE TO THLD FROM 200 HATH: 0.46 NM.
CHART VDP AT 1.72 MILES TO RW18L*
*LNAV ONLY.
WAAS CHANNEL # 86807
REFERENCE PATH ID: W18A
CHART LOC RWY 17R
CHART LOC RWY 17C
CHART LOC RWY 17L
LTP HAE: 156.2 M

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		
	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
LPV DA	802	2400	200	802	2400	200	802	2400	200	802	2400	200			
LNAV/VNAV DA	980	4000	378	980	4000	378	980	4000	378	980	4000	378			
LNAV MDA	1220	2400	618	1220	2400	618	1220	1 3/8	618	1220	1 3/8	618			

NOTES:
CHART NOTE: DME/DME RNP-0.3 NA.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 17L/C/R.
CHART NOTE: LNAV PROCEDURE NA DURING SIMULTANEOUS OPERATIONS.
CHART NOTE: USE OF FD OR AP PROVIDING RNAV TRACK GUIDANCE REQUIRED DURING SIMULTANEOUS OPERATIONS.
(SEE FORM 8260-10)

CITY AND STATE	ELEVATION: 607 THRE: 602 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DALLAS-FORT WORTH, TX	DALLAS/FORT WORTH INTL	RNAV	RNAV (GPS) RWY 18L, AMDT 1	AMDT: ORIG-A
				DATED 03/08/2012

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

COORDINATED WITH:

ATA	AAT	ALPA	APA	AOPA	NBAA	OTHER (specify)
[X]	[ ]	[X]	[X]	[X]	[X]	[X] ZFW, REGIONAL APP CON, DFW ATCT, AMGR, ST AVIATION DIR

FLIGHT CHECKED BY		
NAME:	FIFO	DATE:
DEVELOPED BY		
NAME: STEVE NELSON	FIFO AJV-353	DATE: 06/05/2012
APPROVED BY		
NAME: LARRY H STROUT MANAGER	FIFO AJV-353	DATE:

CHANGES:

1. CHANGED DISTANCE UDALL TO HASTY FROM 2.33 TO 2.34.
2. CHANGED DIST FAF TO MAP/THLD FROM 5.09 TO 5.16.
3. CHANGED LNAV MDA CAT C VISIBILITY FROM RVR 6000 TO 1 3/8 AND CAT D VISIBILITY FROM 1 1/2 TO 1 3/8.
4. CHANGED MISSED APPROACH FROM CLIMB TO 5000 DIRECT BASIN AND VIA 239.25 TRACK TO LIKES AND HOLD TO CLIMB TO 1100, THEN CLIMBING RIGHT TURN TO 3000 DIRECT LIKES AND HOLD.
5. CHANGED SIMULTANEOUS APPROACH AUTHORIZED NOTE TO INCORPORATE RNAV PROCEDURES.
6. ADDED INOPERATIVE MALSR NOTE.
7. CHANGED UNCOMPENSATED BARO-VNAV NOTE, HIGH TEMPERATURE, FROM 47C (116F) TO 54C (130F).

REASONS:

1. UDALL RELOCATED TO REMAIN PERPENDICULAR WITH CORRESPONDING FIXES ON PARALLEL RUNWAYS.
2. HASTY WAS RELOCATED IAW 8260.54A FORMULA 2-16B.
3, 6. APPLICATION OF 8260.3B, CHG 20 VISIBILITY TABLES.
4. FPT REQUEST.
5. MISSED APPROACH AMENDED TO ACCOMMODATE.
6. CALCULATOR ASSOCIATED WITH LOW/HIGH TEMPERATURE LIMITS FOR BAROMETRIC VERTICAL NAVIGATION (BARO-VNAV) BASED APPROACH PROCEDURES MEMORANDUM DATED MAY 30, 2012 .

PDF EDITS:
1. ADDED "(FAF)" AFTER HASTY IN THE "FROM" SECTION OF TERMINAL ROUTES.
2. DELETED "NA" FROM LINE 1 PT.

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NOTES, (CONT.):

CHART NOTE: FOR INOPERATIVE MALSR, INCREASE LNAV MDA CAT C/D VISIBILITY TO 1 3/4 MILE.
CHART NOTE: FOR UNCOMPENSATED BARO-VNAV SYSTEMS, LNAV/VNAV NA BELOW -16C (4F) OR ABOVE 54C (130F).
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND RNAV GLIDEPATH NOT COINCIDENT.

CITY AND STATE	ELEVATION: 607 THRE: 602	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DALLAS-FORT WORTH, TX	AIRPORT NAME: DALLAS/FORT WORTH INTL	RNAV	RNAV (GPS) RWY 18L, AMDT 1	AMDT: ORIG-A
				DATED: 03/08/2012

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:

QUALITY CHECKED

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FAS DATA BLOCK INFORMATION

DATA FIELD	DATA
OPERATION TYPE	0
SBAS SERVICE PROVIDER IDENTIFIER	0
AIRPORT IDENTIFIER	KDFW
RUNWAY	RW18L
APPROACH PERFORMANCE DESIGNATOR	0
ROUTE INDICATOR	
REFERENCE PATH DATA SELECTOR	0
REFERENCE PATH IDENTIFIER (APPROACH ID)	W18A
LTP/FTP LATITUDE	325456.8770N
LTP/FTP LONGITUDE	0970302.6480W
LTP/FTP ELLIPSOIDAL HEIGHT	+01562
FPAP LATITUDE	325244.3000N
FPAP LONGITUDE	0970303.3400W
THRESHOLD CROSSING HEIGHT (TCH)	00054.5
TCH UNITS SELECTOR (METERS OR FEET USED)	F
GLIDEPATH ANGLE (GPA)	03.00
COURSE WIDTH AT THRESHOLD	115.00
LENGTH OFFSET	0000
HORIZONTAL ALERT LIMIT (HAL)	40.0
VERTICAL ALERT LIMIT (VAL)	35.0
CRC REMAINDER	ACD42C49

ADDITIONAL PATH POINT RECORD INFORMATION

ICAO CODE	K4
LTP ORTHOMETRIC HEIGHT	+01834
FPAP ORTHOMETRIC HEIGHT	+01834

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:

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 PACKET - 424-18 - RNAV (GPS)

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   ALIGN K40    C     N33084588W097025835                      E0040     NAR           ALIGN
        SUSAEAENRT   GRUCH K40    C     N33115524W097025736                      E0040     NAR           GRUCH
        SUSAEAENRT   HASTY K40    C     N33000718W097030104                      E0040     NAR           HASTY
        SUSAEAENRT   LIKES K40    C   L N32351299W097343014                      E0043     NAR           LIKES
        SUSAEAENRT   UDALL K40    C     N33022776W097030031                      E0040     NAR           UDALL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4ADFW     0     134YHN32534858W097021679E006000607         1800018000C    MNAR    DALLAS/FORT WORTH INTL

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4FR18L  R      010GRUCHK4EA0E  I    IF                                  + 04000     18000                A JS
        SUSAP KDFWK4FR18L  R      011ALIGNK4EA0E S  051TF                      17430032    + 03000                          A JS
        SUSAP KDFWK4FR18L  R      012UDALLK4EA0E S  051TF                      17430063    + 03000                          A JS
        SUSAP KDFWK4FR18L  R      020HASTYK4EA1E  F 051TF                      17430023    + 02300                 RW18L K4PGA JS
        SUSAP KDFWK4FR18L  R      020HASTYK4EA2WALPV       ALNAV/VNAV ALNAV                                                   JS
        SUSAP KDFWK4FR18L  R      030RW18LK4PG0GY M 031TF                      17430052      00656             -300          A JS
        SUSAP KDFWK4FR18L  R      040         0  M     CA                      1743        + 01100                          A JS
        SUSAP KDFWK4FR18L  R      050LIKESK4EA0EY  R   DF                                  + 03000                          A JS
        SUSAP KDFWK4FR18L  R      060LIKESK4EA0EE  R   HM                      22200040    + 03000                          A JS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4GRW18L   0134001743 N32545688W097030265-0200    +0156200602000055200I

                 1         2         3         4         5         6         7         8         9         0         1         2         3
PP      123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4PR18L  RW18L001 0000W18A0N3254568770W09703026480+015620300N3252443000W097030334001150000000000545F400350ACD42C49
        SUSAP KDFWK4PR18L  RW18L002E      +01834+01834LPV       86807

                 1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        --------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDFWK4SRW18LK4PG                0   18018003625                                                                      M
```

CITY AND STATE	ELEVATION: 607 THRE: 602	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DALLAS-FORT WORTH, TX	AIRPORT NAME: DALLAS/FORT WORTH INTL	RNAV	RNAV (GPS) RWY 18L, AMDT 1	AMDT: ORIG-A
				DATED: 03/08/2012

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**

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ARINC SUMMARY - 424-18 - RNAV (GPS)

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		GRUCH	010	FACF	IF		FB				AA 04000	
		ALIGN	011	SDF	TF		FB	0.5	174.3(180.3T)	003.2	AA 03000	
		UDALL	012	SDF	TF		FB	0.5	174.3(180.3T)	006.3	AA 03000	
		HASTY	020	FAF	TF		FB	0.5	174.3(180.3T)	002.3	AA 02300	
		RW18L	030	MAP	TF		FO	0.3	174.3(180.3T)	005.2	AT 00656	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		174.3(180.3T)		AA 01100	
	LIKES	050		DF	R	FO				AA 03000	
	LIKES	060		HM	R	FO		222.0(228.0T)	004.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	ALIGN	N330845.88	W0970258.35	N3308.765	W09702.973
	GRUCH	N331155.24	W0970257.36	N3311.921	W09702.956
	HASTY	N330007.18	W0970301.04	N3300.120	W09703.017
	LIKES	N323512.99	W0973430.14	N3235.217	W09734.502
	UDALL	N330227.76	W0970300.31	N3302.463	W09703.005
	RW18L	N325456.88	W0970302.65	N3254.948	W09703.044

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW18L	00602	55

CITY AND STATE	ELEVATION: 607 THRE: 602	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DALLAS-FORT WORTH, TX	AIRPORT NAME: **DALLAS/FORT WORTH INTL**	**RNAV**	**RNAV (GPS) RWY 18L, AMDT 1**	AMDT: **ORIG-A**
				DATED: **03/08/2012**

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.
INTERMEDIATE	GRUCH	ALIGN	1. TOWER (48-009311)	331203.00N/0970500.00W	1049 (1A)	500	AT1451	3000
			2. TERRAIN	330851.00N/0970436.00W	667 (700)		AS1500	2200
INTERMEDIATE:	ALIGN	UDALL	3. AAO	330209.00N/0970521.00W	873 (4E)	500	AT1529 AC98	3000
STEPDOWN			4. TERRAIN	330845.00N/0970439.00W	660 (700)		AS1500	2200
INTERMEDIATE:	UDALL	HASTY	3. AAO	330209.00N/0970521.00W	873 (4E)	500	AT829 AC98	2300
STEPDOWN			5. TERRAIN	330209.00N/0970521.00W	673 (700)		AS1500	2200
FINAL: LPV	HASTY	RW18L				ASC		802/200
FINAL: LNAV/VNAV	HASTY	RW18L	6. ROD APBN	325512.59N/0970341.28W	730 (1A)	PDA	MA22 XP67	980/378
FINAL: LNAV	HASTY	RW18L	7. AAO	330000.00N/0970402.00W	839 (2C)	250	XP131	1220
2. PROCEDURE TURN	NA							
3. MISSED APPROACH — MAP:	DA / DA / RW18L	LIKES	8. ATC TWR (48-009252)	325419.00N/0970345.00W	855 (1A)	ASC		3000
			9. TOWER (48-000408)	324501.00N/0971608.00W	1743 (1D)	1000		2800
ELEV:	634/819/1120		10. TERRAIN	323703.00N/0973900.00W	1096 (1100)		AS1500	2600

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: RW18L

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (48-008489)	161/ 20.4	2549 (2C)	3600					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DALLAS-FORT WORTH, TX	ELEVATION: 607 AIRPORT NAME: DALLAS/FORT WORTH INTL	RNAV	RNAV (GPS) RWY 18L, AMDT 1	ASW

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID:	
	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: **3.00**	ELEV RWY THRESHOLD: **601.7**
	DISTANCE FROM RWY:	ELEV GP ANTENNA:
		THRESHOLD CROSSING HEIGHT: **54.5**

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

10. WAIVERS: **NONE**

PART D - PREPARED BY: **STEVE NELSON**	DATE: **06/05/2012**
TITLE: **AERONAUTICAL INFORMATION SPECIALIST**	OFFICE: **AJV-353**

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

NO ADDITIONAL AIRSPACE REQUIRED.

PER FPT: RADAR VECTORS TO JOIN SIAP; NO TAA, FEEDER OR CIRCLING; INTERMEDIATE SDF PLACEMENT PERPENDICULAR TO PARALLEL RUNWAY SDF'S TO ACCOMMODATE TRIPLE SIMULTANEOUS APPROACH OPERATIONS.

VEGETATION: 0' PER FPT.

BACKUP ALTIMETER SOURCE NOT UTILIZED. KDFW HAS REDUNDANT WEATHER SOURCING.

NO HISTORICAL DATA AVAILABLE. AVERAGE COLD TEMPERATURE BASED ON STANDARD -30C ISA DEVIATION.
BARO VNAV HIGH TEMP CALCULATED PER AFS MEMO/FORMULA DATED MAY 30, 2012.

LPV SURFACE 34:1
LNAV/VNAV SURFACE 23.4:1

VGSI DATA: 3.00/69.5.

OBS 6: XP TO MAINTAIN CURRENT HAT AS HATH.

OBS 7: XP TO MAINTAIN CURRENT MDA.

RADIO FIX AND HOLDING DATA RECORD

NAME: ALIGN **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330845.88N/0970258.35W **TYPE:** WP, RADAR, 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	FEET	MRA	MAA
1	DALLAS-FORT WORTH	I-CIX	LOC/DME		356.25	000.25	13.59	16.17		3000	5000

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

REMARKS:
I-CIX DME FACILITY COORDINATES: 325508.70N/0970307.30W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	CONVERGING ILS RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 18L			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 14 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. RELOCATED FIX 0.08NM (485.17') NORTH.
2. CHANGED FAC 1 DME FROM 13.51 TO 13.59 AND DIST FROM FAC NM FROM 16.09 TO 16.17.

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: GRUCH **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 331155.24N/0970257.36W **TYPE:** WP, RADAR, 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	FEET	MRA	MAA
1	DALLAS-FORT WORTH	I-CIX	LOC/DME		356.25	000.25	16.74	19.32		4000	5000

EXPANDED SERVICE VOLUME (ESV):

FAC IDENT	FAC TYPE	RADIAL/BEARING	DISTANCE	MIN ALTITUDE	MAX ALTITUDE
I-CIX	LOC/DME	BRG-356	20	4000	5000

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

REMARKS:
I-CIX DME FACILITY COORDINATES: 325508.70N/0970307.30W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	CONVERGING ILS RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 18L			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 7 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. RELOCATED FIX 0.08NM (465.96') NORTH.
2. CHANGED FAC 1 DME FROM 16.67 TO 16.74 AND DIST FROM FAC NM FROM 19.25 TO 19.32.

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: HASTY **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330007.18N/0970301.04W **TYPE:** WP, RADAR, 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	DALLAS-FORT WORTH	I-CIX	LOC/DME		356.25	000.25	4.97	7.54	45843	2300	5000

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

REMARKS:
PFAF LOCATION IAW 8260.54A FORMULA 2-16B.
I-CIX DME FACILITY COORDINATES: 325508.70N-0970307.30W.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	CONVERGING ILS RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 18L			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 4 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. RELOCATED FIX 0.07NM (436.64') NORTH.
2. CHANGED FAC 1 DME FROM 4.89 TO 4.97, DIST FROM FAC NM FROM 7.47 TO 7.54 AND FEET FROM 45407 TO 45843.

DEVELOPED BY: **DATE:** 05/14/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

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

SIGNATURE:

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

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: LIKES **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 323512.99N/0973430.14W **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	RANGER	FUZ	VORTAC	H	221.97	227.97	27.00	27.00		3000	17500
2	MILLSAP	MQP	VORTAC	H	102.18	111.18		22.96		3000	17500
3	MAVERICK	TTT	VOR/DME	H	232.15	238.15	31.90	31.90		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	NE	FUZ	VORTAC	221.97	221.97	R	1		3000	12000	5	10
2	NE	TTT	VOR/DME	232.15	232.15	R	1		3000	12000	6	11
3	NE		WP	041.97	221.97	R		4	3000	12000	5	10

CONTROLLING OBSTRUCTIONS:

PAT	AIRSPEED	OBSTRUCTION	COORDINATES	ELEVATION	ACCURACY CODE
1	200	TOWER (48-005831)	323255.00N/0973903.00W	1372	1A
2	200	TOWER (48-005831)	323255.00N/0973903.00W	1372	1A
3	200	TOWER (48-005831)	323255.00N/0973903.00W	1372	1A

HOLDING RESTRICTIONS:
HOLDING LIMITED TO ESTABLISHED PATTERNS.

REMARKS:
RANGER (FAC 1) USED TO ESTABLISH FIX COORDINATES
PRECIPITOUS TERRAIN EVALUATION COMPLETED.

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	ILS OR LOC RWY 18L	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18L (ALT MA)	2, 3	2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18R	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18R (ALT MA)	2, 3	2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 18R (CAT II)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 18R (CAT II) (ALT MA)	2, 3	2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 18R (CAT III)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 18R (CAT III) (ALT MA)	2, 3	2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 18R (SA CAT I)	1, 2	1	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS RWY 18R (SA CAT I) (ALT MA)	2, 3	2	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 18L		3	KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 18R		3	KDFW	DALLAS-FORT WORTH	TX (US)
STAR	SLUGG			KDTO	DENTON	TX (US)
STAR	SLUGG			KAFW	FORT WORTH	TX (US)
STAR	SLUGG			KFTW	FORT WORTH	TX (US)
STAR	SLUGG			KNFW	FORT WORTH	TX (US)

REQUIRED CHARTING: STAR, IAP, AREA, CONTROLLER, EN ROUTE LOW

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 5 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. CHANGED PAT 1, 2, 3 HOLDING ALTITUDES MIN FROM 5000 TO 3000.
2. CHANGED PAT 1 TEMPLATES MIN FROM 6 TO 5, PAT 2 FROM 7 TO 6, PAT 3 FROM 6 TO 5.
3. CHANGED PAT 3 LEG LENGTH DME FROM 5 TO 4.
4. CHANGED PAT 1, 2, 3 CONTROLLING OBSTRUCTION ACCURACY CODE FROM 5D TO 1A.
5. ADDED FACILITY USED TO ESTABLISH FIX COORDINATE NOTE.
6. DELETED LEAST ANGLE OF DIVERGENCE NOTE.
7. UPDATED FIX USE.

DEVELOPED BY: **DATE:** 05/03/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

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

SIGNATURE:

QUALITY CHECKED

DISTRIBUTION:

NFDC
FPO: CEN
ARTCC: ZFW
ATC FACILITY: REGIONAL APP CON
OTHER:

QUALITY CHECKED

RADIO FIX AND HOLDING DATA RECORD

NAME: UDALL **STATE:** TX **COUNTRY:** US

LATITUDE/LONGITUDE: 330227.76N/0970300.31W **TYPE:** WP, RADAR, 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	DALLAS-FORT WORTH	I-CIX	LOC/DME		356.25	000.25	7.30	9.88		3000	5000

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

REMARKS:
I-CIX DME FACILITY COORDINATES: 325508.70N/0970307.30W

FIX USE:

USE TYPE	USE TITLE	FAC	PAT	AIRPORT IDENT	CITY	STATE
IAP	CONVERGING ILS RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	ILS OR LOC RWY 18L	1		KDFW	DALLAS-FORT WORTH	TX (US)
IAP	RNAV (GPS) RWY 18L			KDFW	DALLAS-FORT WORTH	TX (US)

REQUIRED CHARTING: IAP

COMPULSORY REPORTING POINT: NO

RECORD REVISION NUMBER: 16 **DATE OF REVISION:** 11/15/2012

REASON FOR REVISION:
1. RELOCATED FIX 0.08NM (486.17') NORTH.
2. CHANGED FAC 1 DME FROM 7.22 TO 7.30 AND DIST FROM FAC NM FROM 9.80 TO 9.88.

DEVELOPED BY: **DATE:** 05/08/2012 **OFFICE:** AJV-353 **NAME:** STEVE NELSON

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

SIGNATURE:

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

QUALITY CHECKED