Flight Procedure Tracking Form	Action: AMENDMENT	Task Type: IAP	Date Open: 04/10/2012	Task #: 2011042927553302007	Request #: 20110429275533
Procedure: ILS Z OR LOC RWY 22R AMDT 2C		Airport ID: KDTW	Airport: DETROIT METROPOLITAN WAYNE COUNTY		Reimbursable #:
City: DETROIT	ST: MI	GPS #:		Estimated Chart Date: 11/15/2012	FICO #:
Fac ID:	Fac. Type:	Specialist: ROY BARNETT			

Procedure Review

	Rec'd	Rel'd	Full Name	Comments
Lead:				QUALITY
QA:	5/17 cc			5/21/12 CTABAKA 5/22/12 CTABAKA NDS SENT 5/24/2012
Liaison:				

Procedure Comments:

Remark Type: INFORMATION

ATTACHED FORMS: 8260-3, 8260-9, 8260-10.
CONTACT: JILL OLSON/STEVEN BARNETT, 954.0414/9307.

CODING 6/1/12

JUN 07 2012

US DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

ILS - STANDARD INSTRUMENT APPROACH PROCEDURE TITLE 14 CFR PART 97.29

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
INKSR/18.64 DME/RADAR (IAF)	TARAH/15.78 DME/RADAR	214.69 / 2.86 (I-JKI)	6000
TARAH/15.78 DME/RADAR	GUYVE/12.87 DME/RADAR	214.69 / 2.91 (I-JKI)	5000
GUYVE/12.87 DME/RADAR	JOYDD/9.92 DME/RADAR	214.69 / 2.95 (I-JKI)	4000
JOYDD/9.92 DME/RADAR (IF)	NUJNT/6.92 DME/RADAR	214.69 / 3.00 (I-JKI)	3000
NUJNT/6.92 DME/RADAR	GEETR/4.80 DME/RADAR	214.69 / 2.13 (I-JKI)	2300

MISSED APPROACH

ILS: DA
LOC: 4.96 MILES AFTER GEETR/I-JKI 4.80 DME/RADAR OR AT I-JKI 0.17 DME FIX

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 331 AND SVM VORTAC R-155 DIRECT SVM VORTAC AND HOLD, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 355 AND PSI VORTAC R-176 TO PSI VORTAC AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD NE, RT, 213.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD NW PSI VORTAC, RT, 124.00 INBOUND.
CHART FAS OBST: 720 TREE 421415N/0832123W
CHART VDP AT 0.92 DME*;
DISTANCE VDP TO THLD 1.09 MILES.
*LOC ONLY.
CHART IN PLANVIEW: PSI VORTAC.
CHART: LOC RWY 21L

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT INKSR/18.64 DME/RADAR
3. FAC: 214.69 FAF: GEETR/4.80 DME/RADAR DIST FAF TO MAP: 4.96 THLD: 4.96
4. MIN. ALT: INKSR 7000, TARAH 6000, GUYVE 5000, JOYDD 4000, NUJNT 3000, GEETR 2300
5. DIST TO THLD FROM OM: 4.96 MM: - IM: - 150 HAT: - 100 HAT: - GS ANT: 1055
6. MIN GS INCPT: 2300 GS ALT AT: GEETR/4.80 DME/RADAR 2300 OM: - MM: - IM: -
7. GS ANGLE: 3.00 TCH: 55.1
8. MSA FROM: DXO VOR/DME 2800

MAG VAR: 6W EPOCH YEAR: 1990

MINIMUMS

TAKEOFF: SEE FAA FORM 8260-15A FOR THIS AIRPORT | ALTERNATE: N A | ILS: STANDARD | LOC: 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
S-ILS 22R**	842	2400	200	842	2400	200	842	2400	200	842	2400	200			
S-LOC 22R	1060	2400	418	1060	2400	418	1060	4000	418	1060	4000	418			
CIRCLING	1200	1	555	1200	1	555	1200	1 1/2	555	1200	2	555			

NOTES:
CHART NOTE: **RVR 1800 AUTHORIZED WITH USE OF FD OR AP OR HUD TO DA.
CHART NOTE: SIMULTANEOUS APPROACH AUTHORIZED WITH RWY 21L.
CHART NOTE: DME OR RADAR REQUIRED.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

QUALITY

CITY AND STATE	ELEVATION: 645 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	I-JKI	ILS Z OR LOC RWY 22R, AMDT 2C	AMDT: 2B
				DATED 04/05/2012

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] DTW ATCT, ZOB, AMGR

FLIGHT CHECKED BY

NAME:	FIFO	DATE:
PAUL ROBERT ARMSTRONG	FIOG	07/09/2008

DEVELOPED BY

NAME:	FIFO	DATE:
ROY L. BARNETT	AJV-353	05/10/2012

APPROVED BY

NAME:		FIFO	DATE:
LARRY H STROUT	MANAGER	AJV-353	

CHANGES:

1. CHANGED PRIMARY MISSED APPROACH FROM: CLIMB TO 1300 THEN CLIMBING RIGHT TURN VIA HEADING 225 TO 3000 THEN RIGHT TURN DIRECT SVM VORTAVC AND HOLD. TO: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 331 AND SVM VORTAC R-155 DIRECT SVM VORTAC AND HOLD.
2. CHANGED ALTERNATE MISSED APPROACH FROM: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 VIA HEADING 355 AND PSI VORTAC R-176 TO PSI VORTAC AND HOLD NW, RT, 124.00 INBOUND. TO: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 355 AND PSI VORTAC R-176 TO PSI VORTAC AND HOLD.
3. CHANGED CHART VDP AT 0.96 DME* TO 0.92 DME*
4. CHANGED DISTANCE VDP TO THLD 1.12 MILES TO 1.09 MILES.
5. CHANGED TDZE: 642 TO THRE: 642
6. ADDED VGSI DATA.
7. ADDED PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.

REASONS:

1, 2. REQUESTED BY FPT.
3, 4, 6, 7. VGSI DATA UPDATED.
5. 54A CRITERIA APPLIED.

QUALITY 4 CHECKED

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ARINC PACKET - 424-18 - ILS

```
                 1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DXO   K5011340VDHW N42124729W083215998    N42124729W083215998W0060006372     NARDETROIT
        SUSAD        SVM   K5011430VTL  N42243109W083353805    N42243109W083353805W0030009561     NARSALEM
        SUSAD KDTWK5 IJKI  K5011195 IT                    IJKIN42134192W083214873     006500     NARDETROIT METROPOLITAN WAYNE COU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GEETR K50    C     N42175584W083184591                    W0072     NAR           GEETR
        SUSAEAENRT   GUYVE K50    C     N42250065W083133161                    W0073     NAR           GUYVE
        SUSAEAENRT   INKSR K50    R     N42300400W083094633                    W0074     NAR           INKSR
        SUSAEAENRT   JOYDD K50    R     N42222545W083152659                    W0073     NAR           JOYDD
        SUSAEAENRT   NUJNT K50    R     N42194777W083172323                    W0072     NAR           NUJNT
        SUSAEAENRT   TARAH K50    R     N42273346W083113821                    W0074     NAR           TARAH

                 1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5ADTW     0     120YHN42124480W083211220W006000645         1800018000C    MNAR    DETROIT METROPOLITAN WAYNE COU

                 1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5FI22RZ AINKSR 010INKSRK5EA0E  A    IF                                + 07000     18000                0 NS
        SUSAP KDTWK5FI22RZ AINKSR 020TARAHK5EA0E       TF                                + 06000                          0 NS
        SUSAP KDTWK5FI22RZ AINKSR 030GUYVEK5EA0E       TF                                + 05000                          0 NS
        SUSAP KDTWK5FI22RZ AINKSR 040JOYDDK5EA0E  B    TF                                + 04000                          0 NS
        SUSAP KDTWK5FI22RZ AINKSR 050NUJNTK5EA0EE      CF IJKIK5      0347008921470030PI + 03000                          0 NS
        SUSAP KDTWK5FI22RZ I      010NUJNTK5EA0E  I    IF IJKIK5      03470089        PI  J 030000230018000                0 NS
        SUSAP KDTWK5FI22RZ I      020GEETRK5EA0E  F    CF IJKIK5      0347006821500021PI  H 0230002300        -300DXO   K5D 0 NS
        SUSAP KDTWK5FI22RZ I      030RW22RK5PG0GY M    CF IJKIK5      0347001821500050PI    00697             -300              0 NS
        SUSAP KDTWK5FI22RZ I      040          0  M     CA                    2147        + 01100                              0 NS
        SUSAP KDTWK5FI22RZ I      050          0    R   VIY                   3310                                             0 NS
        SUSAP KDTWK5FI22RZ I      060SVM  K5D 0VY       CF SVM K5      0000000033500160D  + 03000                          0 NS
        SUSAP KDTWK5FI22RZ I      070SVM  K5D 0VE  R    HM                    2130T010    + 03000                          0 NS

                 1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5GRW22R   0100002147 N42133448W083215861+0000    +016120064200005515OIIBZB1    IJKI1

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

QUALITY CHECKED

CITY AND STATE	ELEVATION: 645 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: **DETROIT METROPOLITAN WAYNE COUNTY**	**I-JKI**	**ILS Z OR LOC RWY 22R, AMDT 2C**	AMDT: **2B**
				DATED: **04/05/2012**

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

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

ILS STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.29**

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```
ILS     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5IIJKI1   011195RW22RN42115907W0832308842147N42132723W0832210001010 10550364300W00605500637

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5SDXO  K5D               0   18018002825                                                              M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 645 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: **DETROIT METROPOLITAN WAYNE COUNTY**	**I-JKI**	**ILS Z OR LOC RWY 22R, AMDT 2C**	AMDT: **2B**
				DATED: **04/05/2012**

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

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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ARINC SUMMARY - 424-18 - ILS

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	INKSR	INKSR	010	IAF	IF		FB				AA 07000	
	INKSR	TARAH	020		TF		FB				AA 06000	
	INKSR	GUYVE	030		TF		FB				AA 05000	
	INKSR	JOYDD	040		TF		FB				AA 04000	
	INKSR	NUJNT	050		CF		FB		214.7()	003.0	AA 03000	
		NUJNT	010	FACF	IF		FB				AA 03000 GI 02300	
		GEETR	020	FAF	CF		FB		215.0()	002.1	GI 02300 GS 02300	
		RW22R	030	MAP	CF		FO		215.0()	005.0	AT 00697	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		214.7()		AA 01100	
		050		VI	R	FB		331.0()			
	SVM	060		CF		FO		335.0()	016.0	AA 03000	
	SVM	070		HM	R	FO		213.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DXO	N421247.29	W0832159.98	N4212.788	W08322.000
	SVM	N422431.09	W0833538.05	N4224.518	W08335.634
	IJKI (DME)	N421341.92	W0832148.73	N4213.699	W08321.812
	GEETR	N421755.84	W0831845.91	N4217.931	W08318.765
	GUYVE	N422500.65	W0831331.61	N4225.011	W08313.527
	INKSR	N423004.00	W0830946.33	N4230.067	W08309.772
	JOYDD	N422225.45	W0831526.59	N4222.424	W08315.443
	NUJNT	N421947.77	W0831723.23	N4219.796	W08317.387
	TARAH	N422733.46	W0831138.21	N4227.558	W08311.637
	RW22R	N421334.48	W0832158.61	N4213.575	W08321.977
	IJKI (LOC)	N421159.07	W0832308.84	N4211.985	W08323.147

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22R	00642	55

QUALITY 9 CHECKED

CITY AND STATE	ELEVATION: 645 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	I-JKI	ILS Z OR LOC RWY 22R, AMDT 2C	AMDT: 2B
				DATED: 04/05/2012

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

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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ARINC PACKET - 424-18 - LOC

```
                1         2         3         4         5         6         7         8         9         0         1         2         3
NAVAID  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAD        DXO   K5011340VDHW N42124729W083215998    N42124729W083215998W0060006372     NARDETROIT
        SUSAD        SVM   K5011430VTL  N42243109W083353805    N42243109W083353805W0030009561     NARSALEM
        SUSAD KDTWK5 IJKI  K5011195 IT                     IJKIN42134192W083214873     006500     NARDETROIT METROPOLITAN WAYNE COU

                1         2         3         4         5         6         7         8         9         0         1         2         3
WP      12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAEAENRT   GEETR K50    C     N42175584W083184591                    W0072     NAR          GEETR
        SUSAEAENRT   GUYVE K50    C     N42250065W083133161                    W0073     NAR          GUYVE
        SUSAEAENRT   INKSR K50    R     N42300400W083094633                    W0074     NAR          INKSR
        SUSAEAENRT   JOYDD K50    R     N42222545W083152659                    W0073     NAR          JOYDD
        SUSAEAENRT   NUJNT K50    R     N42194777W083172323                    W0072     NAR          NUJNT
        SUSAEAENRT   TARAH K50    R     N42273346W083113821                    W0074     NAR          TARAH

                1         2         3         4         5         6         7         8         9         0         1         2         3
AIRPORT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5ADTW     0     120YHN42124480W083211220W006000645         1800018000C    MNAR    DETROIT METROPOLITAN WAYNE COU

                1         2         3         4         5         6         7         8         9         0         1         2         3
SEGMENT 12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5FL22RZ AINKSR 010INKSRK5EA0E  A    IF                                  + 07000     18000                0 NS
        SUSAP KDTWK5FL22RZ AINKSR 020TARAHK5EA0E       TF                                  + 06000                          0 NS
        SUSAP KDTWK5FL22RZ AINKSR 030GUYVEK5EA0E       TF                                  + 05000                          0 NS
        SUSAP KDTWK5FL22RZ AINKSR 040JOYDDK5EA0E  B    TF                                  + 04000                          0 NS
        SUSAP KDTWK5FL22RZ AINKSR 050NUJNTK5EA0EE      CF IJKIK5      0347008921470030PI   + 03000                          0 NS
        SUSAP KDTWK5FL22RZ L      010NUJNTK5EA0E  I    IF IJKIK5      03470089        PI   + 03000     18000                0 NS
        SUSAP KDTWK5FL22RZ L      020GEETRK5EA0E  F    CF IJKIK5      0347006821500021PI   + 02300                DXO   K5D 0 NS
        SUSAP KDTWK5FL22RZ L      030RW22RK5PG0GY M    CF IJKIK5      0347001821500050PI     00697          -305           0 NS
        SUSAP KDTWK5FL22RZ L      040          0  M    CA                   2147            + 01100                          0 NS
        SUSAP KDTWK5FL22RZ L      050          0    R  VIY                  3310                                             0 NS
        SUSAP KDTWK5FL22RZ L      060SVM  K5D 0VY       CF SVM K5      00000000335001600D   + 03000                          0 NS
        SUSAP KDTWK5FL22RZ L      070SVM  K5D 0VE  R    HM                   2130T010        + 03000                          0 NS

                1         2         3         4         5         6         7         8         9         0         1         2         3
RUNWAY  12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5GRW22R   0100002147 N42133448W083215861+0000     +016120064200000551501IBZB1    IJKI1
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: 645 THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: **DETROIT METROPOLITAN WAYNE COUNTY**	**I-JKI**	**ILS Z OR LOC RWY 22R, AMDT 2C**	AMDT: **2B**
				DATED: **04/05/2012**

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

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

LOC STANDARD INSTRUMENT APPROACH PROCEDURE

FLIGHT STANDARDS SERVICES - **FAR PART 97.25**

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.

```
ILS     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5IIJKI1   011195RW22RN42115907W083230884214 7N42132723W0832210001010 10550364300W00605500637

                  1         2         3         4         5         6         7         8         9         0         1         2         3
MSA     1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
        ----------------------------------------------------------------------------------------------------------------------------------------
        SUSAP KDTWK5SDXO  K5D               0   18018002825                                                                          M
```

QUALITY CHECKED

CITY AND STATE	ELEVATION: **645** **THRE: 642**	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: **DETROIT METROPOLITAN WAYNE COUNTY**	**I-JKI**	**ILS Z OR LOC RWY 22R, AMDT 2C**	AMDT: **2B**
				DATED: **04/05/2012**

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

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:

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 - LOC

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	INKSR	INKSR	010	IAF	IF		FB				AA 07000	
	INKSR	TARAH	020		TF		FB				AA 06000	
	INKSR	GUYVE	030		TF		FB				AA 05000	
	INKSR	JOYDD	040		TF		FB				AA 04000	
	INKSR	NUJNT	050		CF		FB		214.7()	003.0	AA 03000	
		NUJNT	010	FACF	IF		FB				AA 03000	
		GEETR	020	FAF	CF		FB		215.0()	002.1	AA 02300	
		RW22R	030	MAP	CF		FO		215.0()	005.0	AT 00697	

MISSED APPROACH	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
		040		CA		FB		214.7()		AA 01100	
		050		VI	R	FB		331.0()			
	SVM	060		CF		FO		335.0()	016.0	AA 03000	
	SVM	070		HM	R	FO		213.0()	T01.0	AA 03000	

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	DXO	N421247.29	W0832159.98	N4212.788	W08322.000
	SVM	N422431.09	W0833538.05	N4224.518	W08335.634
	IJKI (DME)	N421341.92	W0832148.73	N4213.699	W08321.812
	GEETR	N421755.84	W0831845.91	N4217.931	W08318.765
	GUYVE	N422500.65	W0831331.61	N4225.011	W08313.527
	INKSR	N423004.00	W0830946.33	N4230.067	W08309.772
	JOYDD	N422225.45	W0831526.59	N4222.424	W08315.443
	NUJNT	N421947.77	W0831723.23	N4219.796	W08317.387
	TARAH	N422733.46	W0831138.21	N4227.558	W08311.637
	RW22R	N421334.48	W0832158.61	N4213.575	W08321.977
	IJKI (LOC)	N421159.07	W0832308.84	N4211.985	W08323.147

RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH
	RW22R	00642	55

QUALITY CHECKED

CITY AND STATE	ELEVATION: 645	THRE: 642	FACILITY IDENTIFIER:	PROCEDURE NO. / AMDT NO. / EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY		I-JKI	ILS Z OR LOC RWY 22R, AMDT 2C	AMDT: 2B
					DATED: 04/05/2012

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

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	INKSR/18.64	TARAH/15.78	1. TOWER (26-000648)	422712.00N/0830951.00W	1749 (3C)	1000	AT3251	6000
	DME/RADAR	DME/RADAR	2. TERRAIN	423039.00N/0831312.00W	768 (800)		AS1500	2300
INITIAL	TARAH/15.78	GUYVE/12.87	3. TOWER (26-002338)	422653.00N/0831023.00W	1749 (2C)	1000	AT2251	5000
	DME/RADAR	DME/RADAR	4. TERRAIN	422643.00N/0831222.00W	818 (800)		AS1500	2300
INITIAL	GUYVE/12.87	JOYDD/9.92	5. TOWER (26-001193)	422322.00N/0830853.00W	1249 (2C)	1000	AT1751	4000
	DME/RADAR	DME/RADAR	6. TERRAIN	422512.00N/0831406.00W	699 (700)		AS1500	2200
INTERMEDIATE	JOYDD/9.92	NUJNT/6.92	7. TOWER (26-000804)	422257.00N/0831857.00W	920 (5D)	500	AT1580	3000
	DME/RADAR	DME/RADAR	8. TERRAIN	422042.00N/0831851.00W	696 (700)		AS1500	2200
INTERMEDIATE:	NUJNT/6.92	GEETR/4.80	9. AAO	422042.00N/0831851.00W	896 (4E)	500	AC98 AT806	2300
STEPDOWN	DME/RADAR	DME/RADAR	10. TERRAIN	422030.00N/0831909.00W	680 (700)		AS1500	2200
FINAL: ILS	GEETR/4.80	DA				ASC		842/200
	DME/RADAR							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH MAP:	DA / 4.96 MILES	SVM VORTAC				ASC		3000
	AFTER		12. TOWER (26-000689)	421802.70N/0833827.80W	1255 (2C)	1000		2300
ELEV:	674/810		13. TERRAIN	422157.00N/0833948.00W	1054 (1100)		AS1500	2600

4. CIRCLING AREA	DISTANCE		HT. ABV. ARPT.								
CATEGORY A	1.3 NM	REQUIRED	350	ACTUAL	555	16. ROD ATCT	421245.82N/0832115.69W	881 (1A)	300		1200
CATEGORY B	1.5 NM		450		555	16. ROD ATCT	421245.82N/0832115.69W	881 (1A)	300		1200
CATEGORY C	1.7 NM		450		555	16. ROD ATCT	421245.82N/0832115.69W	881 (1A)	300		1200
CATEGORY D	2.3 NM		550		555	16. ROD ATCT	421245.82N/0832115.69W	881 (1A)	300		1200
CATEGORY E	4.5 NM		550								

5. MINIMUM SAFE ALTITUDES — PRIMARY NAVAID: DXO VOR/DME

SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A	SECTOR	OBSTRUCTION	BRG/DIST	ELEVATION (MSL)	M S A
360-360	TWR (26-000093)	030/ 17.7	1749 (1D)	2800					

QUALITY CHECKED

CITY AND STATE	ELEVATION: 645 / AIRPORT NAME:	FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DETROIT, MI	DETROIT METROPOLITAN WAYNE COUNTY	I-JKI	ILS Z OR LOC RWY 22R, AMDT 2C	AGL

PART B - SUPPLEMENTAL DATA

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

4. MONITOR STATUS	PRIMARY NAVAID: I-JKI	
	MONITOR POINT: DTW ATCT	
	HRS OPTN: CAT 1	24
	CAT 3	

5. APPROACH & RUNWAY LIGHTING	X	ALSF-2 04R, 03R, 04L
		(S) SALS
	X	MALSR 21L, 27L, 22R, 22L, 27R
	X	HIRL 09L, 21L, 03L, 04R, 21R, 03R, 27L, 22R, 04L, 09R, 22L, 27R
		MIRL
	X	REIL 09L, 03L, 21R, 09R
	X	TDZ 04R, 03R, 04L
	X	C/L 21L, 03L, 04R, 21R, 03R, 27L, 22R, 04L, 09R, 22L
	X	OTHER (SPECIFY) PAPI-4R 03L, 03R, 22R PAPI-4L 21L, 21R, 27L, 04L, 27R

6. RUNWAY MARKINGS	BASIC	
	ALL WEATHER	PIR-G 09L, 21L, 04R, 03R, 27L, 22R, 04L, 09R, 22L, 27R
	INSTRUMENT	NPI-G 03L, 21R
7. RUNWAY VISUAL RANGE	APPROACH	21L, 03L, 04R, 21R, 03R, 27L, 22R, 04L, 22L, 27R
	MIDFIELD	09L, 21L, 04R, 03R, 22R, 04L, 22L
	ROLL OUT	21L, 03L, 04R, 21R, 03R, 22R, 04L, 22L

8. GLIDE PATH	GP ANGLE: 3.00	ELEV RWY THRESHOLD: 642.1
	DISTANCE FROM RWY: 1055	ELEV GP ANTENNA: 641.9
		THRESHOLD CROSSING HEIGHT: 55.1

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

10. WAIVERS: 1

ORDER 8260.3B, VOLUME 3, PARAGRAPH 3.1; SIMULTANEOUS ILS APPROACH PROCEDURES REQUIRE 1000 FT VERTICAL SEPARATION BE MAINTAINED UNTIL AIRCRAFT BEGIN DESCENT ON THE GLIDEPATH. CALCULATED FIX PLACEMENT EXCEEDS 318 FT PER NM DESCENT GRADIENT IN THE INTERMEDIATE SEGMENT.

PART D - PREPARED BY: ROY L. BARNETT	DATE: 05/10/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VGSI DATA: 3.00/70.8

WAIVER: FAAO 8260.3B VOL 3 PARA 3.1 APP 4 SIMULTANEOUS ILS APPROACH PROCEDURES REQUIRE 1000 FT VERTICAL SEPARATION BE MAINTAINED UNTIL AIRCRAFT BEGIN DESCENT ON THE GLIDEPATH. CALCULATED FIX PLACEMENT EXCEEDS 318 FT PER NM DESCENT GRADIENT IN THE INTERMEDIATE SEGMENT.

NO ADDITIONAL AIRSPACE REQUIRED.

BACK-UP ALTIMETER MINIMUMS NOT IDENTIFIED DUE TO MAJOR AIRPORT WEATHER SYSTEM REDUNDANCY.

FIX PLACEMENT FOR GEETR, NUJNT, JOYDD, GUYVE, TARAH AND INKSR BASED ON CALCULATIONS FROM 8260.54A AS APPROVED BY AVN-101.

DESCENT GRADIENT EXCEEDS 318 FT. PER NM APPROVED BY AFS-420.

XP-TO MAINTAIN CURRENTLY PUBLISHED MINIMUMS

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
14. TOWER (26-001399) 424058.84N/0833310.66W 1414 (1A)
1000 2500
15. TERRAIN 424057.00N/0833957.00W 1182 (1200) AS1500
2700

QUALITY 4 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: LOC	GEETR/4.80	4.96 MILES AFTER	11. TREE (KDTW0069)	421414.73N/0832123.10W	720 (1A)	250	XP80	1060
	DME/RADAR	GEETR/I-JKI						
		4.80 DME/RADAR						
		OR AT I-JKI						
		0.17 DME FIX						

3. MISSED APPROACH					
	MAP:				
	ELEV:				

4. CIRCLING AREA	DISTANCE	HT. ABV. ARPT.			
		REQUIRED	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:

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

QUALITY CHECKED 4

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DETROIT, MI	ELEVATION: 645 AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	I-JKI	ILS Z OR LOC RWY 22R, AMDT 2C	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
SATISFACTORY ON:	☐ NWS ☐ FAA ☐ A/C OTHER:	SOURCE: DISTANCE: HOURS REMOTE OPERATION:
☐ VHF ☐ UHF ☐ HF	LOCATION:	ADJUSTMENT:

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