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
WILOO/18.67 DME/RADAR (IAF)	LEWUK/15.81 DME/RADAR	034.71 / 2.86 (I-HUU)	6000
LEWUK/15.81 DME/RADAR	LIONZ/12.90 DME/RADAR	034.71 / 2.90 (I-HUU)	5000
LIONZ/12.90 DME/RADAR	WATCH/9.95 DME/RADAR	034.71 / 2.95 (I-HUU)	4000
WATCH/9.95 DME/RADAR (IF)	RIBME/6.96 DME/RADAR	034.71 / 3.00 (I-HUU)	3000
RIBME/6.96 DME/RADAR	NUVUE/5.74 DME/RADAR	034.71 / 1.21 (I-HUU)	2600

MISSED APPROACH

ILS: DA

CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090 AND BRG-106 TO SPENC LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000, OR AS DIRECTED BY ATC.

ALTERNATE MA: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT YQG VOR/DME AND HOLD.

ADDITIONAL FLIGHT DATA:
HOLD E, RT, 275.00 INBOUND.
CHART IN PLANVIEW: ALTERNATE MA HOLDING, HOLD SE YQG VOR/DME, RT, 326.00 INBOUND.
CHART IN PLANVIEW: YQG VOR/DME.
CHART LOC RWY 4R
CHART OFFSET LOC RWY 4L

1. PT ____ SIDE OF COURSE ____ OUTBOUND ____ FT WITHIN ____ MILES OF ____ (IAF)
2. PROFILE STARTS AT WILOO/18.67 DME/RADAR
3. FAC: 034.71 FAF: ____ DIST FAF TO MAP: ____ THLD: ____
4. MIN. ALT: WILOO 7000, LEWUK 6000, LIONZ 5000, WATCH 4000, RIBME 3000, NUVUE 2600
5. DIST TO THLD FROM OM: 5.91 MM: - IM: 885 150 HAT: - 100 HAT: 874 GS ANT: 1030
6. MIN GS INCPT: 2600 GS ALT AT: NUVUE/5.74 DME/RADAR 2600 OM: - MM: - IM: 733
7. GS ANGLE: 3.00 TCH: 54.7
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

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 3R	833	1800	200	833	1800	200	833	1800	200	833	1800	200			

NOTES:
CATEGORY II ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED S-ILS PRM 3R: CAT A, B, C, D, RA 101, RVR 1200, HATh 100, DA 733 MSL.
CATEGORY III ILS SPECIAL AIRCREW AND AIRCRAFT CERTIFICATION REQUIRED. S-ILS PRM 3R: CAT IIIa CAT A,B,C,D, RVR 700. CAT IIIb CAT A,B,C,D, RVR 600. CAT IIIc NA.
(SEE FORM 8260-10)

QUALITY A CERTIFIED

CITY AND STATE	ELEVATION: 645 THRE: 633 AIRPORT NAME:	FACILITY IDENTIFIER:	PROCEDURE NO./AMDT NO./EFFECTIVE DATE:	SUP:
DETROIT, MI	DETROIT METROPOLITAN WAYNE COUNTY	I-HUU	ILS PRM RWY 3R, ORIG-B ILS PRM RWY 3R (CAT II), ILS PRM RWY 3R (CAT III) (SIMULTANEOUS CLOSE PARALLEL)	AMDT: ORIG-A DATED 02/10/2011

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] **DTW ATCT, ZOB, AMGR, AT AERO**

FLIGHT CHECKED BY		
NAME: **DONALD ALOYSIUS MCGOUGH**	FIFO **FIOG**	DATE: **06/03/2009**
DEVELOPED BY		
NAME: **ROY L. BARNETT**	FIFO **AJV-353**	DATE: **04/21/2012**
APPROVED BY		
NAME: **LARRY H STROUT** **MANAGER**	FIFO **AJV-353**	DATE:

CHANGES:

1. CHANGED PRIMARY MA FROM: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT SPENC LOM AND HOLD. TO: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 ON HEADING 090 AND BRG-106 TO SPENC LOM AND HOLD, CONTINUE CLIMB-IN-HOLD TO 3000.
2. CHANGED ALTERNATE MA FROM: CLIMB TO 1300 THEN CLIMBING RIGHT TURN TO 3000 DIRECT YQG VOR/DME AND HOLD SE, RT, 326.00 INBOUND. TO: CLIMB TO 1100 THEN CLIMBING RIGHT TURN TO 3000 DIRECT YQG VOR/DME AND HOLD.
3. CHANGED TDZE: 633 TO THRE: 633.

REASONS:

1, 2. REQUESTED BY ATC/FPT.
3. .54A CRITERIA.

QUALITY CHECKED

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 aiport elevation. Distances are in nautical miles unless otherwise indicated, except visibilities which are in statute miles or in feet RVR.

NOTES, (CONT.):
CHART NOTE: SIMULTANEOUS CLOSE PARALLEL APPROACH AUTHORIZED WITH ILS PRM RWY 4R, ILS PRM RWY 4R (CAT II), ILS PRM RUNWAY 4R (CAT III) AND ILS PRM RWY 4L. PROCEDURE NOT AUTHORIZED WHEN GLIDE SLOPE NOT AVAILABLE. DUAL VHF COMM REQUIRED. SEE ADDITIONAL REQUIREMENTS ON AAUP.
CHART PLANVIEW NOTE: RADAR REQUIRED.
CHART PROFILE NOTE: VGSI AND ILS GLIDEPATH NOT COINCIDENT.
CHART NOTE: ADF AND DME OR RADAR REQUIRED.

QUALITY CHECKED

CITY AND STATE	ELEVATION: 645 THRE: 633	FACILITY IDENTIFIER:	PROCEDURE NO./ AMDT NO./EFFECTIVE DATE:	SUP:
DETROIT, MI	AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	I-HUU	ILS PRM RWY 3R, ORIG-B ILS PRM RWY 3R (CAT II) , ILS PRM RWY 3R (CAT III) (SIMULTANEOUS CLOSE PARALLEL)	AMDT: ORIG-A DATED: 02/10/2011

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:

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	WILOO/18.67	LEWUK/15.81	1. TOWER (26-001473)	415713.00N/0833611.00W	920 (5D)	1000	AT4080	6000
	DME/RADAR	DME/RADAR	2. TERRAIN	415845.00N/0833542.00W	670 (700)		AS1500	2200
INITIAL: STEPDOWN	LEWUK/15.81	LIONZ/12.90	3. AAO	420000.00N/0833548.00W	867 (4E)	1000	AT3133	5000
	DME/RADAR	DME/RADAR	4. TERRAIN	420000.00N/0833548.00W	667 (700)		AS1500	2200
INITIAL: STEPDOWN	LIONZ/12.90	WATCH/9.95	5. TOWER (26-001086)	420008.00N/0832410.00W	871 (5D)	1000	AT2129	4000
	DME/RADAR	DME/RADAR	6. TERRAIN	420115.00N/0832857.00W	670 (700)		AS1500	2200
INTERMEDIATE	WATCH/9.95	RIBME/6.96	7. TOWER (26-003173)	420358.30N/0832340.10W	1009 (4D)	500	AT1491	3000
	DME/RADAR	DME/RADAR	8. TERRAIN	420548.00N/0832818.00W	680 (700)		AS1500	2200
INTERMEDIATE:	RIBME/6.96	NUVUE/5.74	9. AAO	420633.00N/0832654.00W	880 (4E)	500	AC98 AT1122	2600
STEPDOWN	DME/RADAR	DME/RADAR	10. TERRAIN	420633.00N/0832654.00W	680 (700)		AS1500	2200
FINAL: ILS	NUVUE/5.74	DA				ASC		833/200
	DME/RADAR							
FINAL: ILS CAT II	NUVUE/5.74	DA				ASC		733/100
	DME/RADAR							
2. PROCEDURE TURN	NA							
3. MISSED APPROACH — MAP:	DA / DA	SPENC LOM				ASC		3000
			11. TOWER (26-000095)	421005.00N/0831254.00W	1305 (2D)	1000		2400
ELEV:	665		12. TERRAIN	421306.00N/0831506.00W	706 (700)		AS1500	2200

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: **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					

CITY AND STATE		FACILITY	PROCEDURE AND AMENDMENT NO:	REGION
DETROIT, MI	ELEVATION: 645 AIRPORT NAME: DETROIT METROPOLITAN WAYNE COUNTY	I-HUU	ILS PRM RWY 3R, ORIG-B ILS PRM RWY 3R (CAT II), ILS PRM RWY 3R (CAT III) (SIMULTANEOUS CLOSE PARALLEL)	AGL

PART B - SUPPLEMENTAL DATA

1. COMMUNICATIONS WITH:	2. WEATHER SERVICE	3. ALTIMETER SETTING
DTW APP CON DTW TOWER ZOB ARTCC 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-HUU	
	MONITOR POINT: DTW ATCT	
	HRS OPTN: CAT 1	24
	HRS OPTN: 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: 633.0
	DISTANCE FROM RWY: 1030	ELEV GP ANTENNA: 633
		THRESHOLD CROSSING HEIGHT: 54.7
9. FINAL APPROACH COURSE AIMING	X	RUNWAY THRESHOLD — FT. FROM THRESHOLD
	X	ON CENTERLINE — FT. FROM CENTERLINE

10. WAIVERS: NONE

PART D - PREPARED BY: ROY L. BARNETT	DATE: 04/21/2012
TITLE: AERONAUTICAL INFORMATION SPECIALIST	OFFICE: AJV-353

PART C - REMARKS:

VDP NOT ESTABLISHED - PRECISION/VERTICAL GLIDEPATH PROCEDURE.

PRECIPITOUS TERRAIN EVALUATION COMPLETED.

VDP NOT ESTABLISHED - PRECISION/VERTICAL PATH PROCEDURE.
FLIGHT CHECK RDH 54.68 FT (ORDER 8260.3B)
VGSI DATA: 3.00/70.4

NO ADDITIONAL AIRSPACE REQUIRED.

ALTERNATE ALTIMETER SOURCE NOT PROVIDED DUE TO MULTIPLE REDUNDANT ALTIMETER SOURCES AT THE AIRPORT.
FIX PLACEMENT FOR WILOO, LEWUK, LIONZ, WATCH AND RIBME BASED ON CALCULATIONS FROM 8260.54A AS APPROVED BY AVN 101.

MISSED APPROACH OBSTACLES CONT.
ALTERNATE:
ASC 3000
13. TOWER (CA-000379) 420909.00N/0825705.00W 1340 (4D)
1000 2400
12. TERRAIN 421306.00N/0831506.00W 706 (700) AS1500
2200

QUALITY CHECKED