

FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
Distances are in nautical miles (NM). Graphic depictions attached.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>LECTR (RNAV)</b>	<b>THREE</b>	<b>HANBL.LECTR3</b>	<b>TWO</b>	<b>02/28/2019</b>	

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
SWAYD	SWAYD.LECTR3	SWAYD	SWAYD						
			JOEBU	048.63	15.62	10000	2300		
			VDUUB	056.27	27.01	10000	2300		
			CLRIC	052.81	14.23	10000	2400		BETWEEN 17000 AND FL230
			SHANX	052.89	09.64	10000	2400		AT/ABOVE 16000
			HANBL	039.15	20.93	8000	2100		AT/ABOVE 11000
TORRR	TORRR.LECTR3	TORRR	TORRR						AT/BELOW FL210
			SHANX	006.45	41.92	10000	2400		AT/ABOVE 16000
			HANBL	039.15	20.93	8000	2100		AT/ABOVE 11000
WWODD	WWODD.LECTR3	WWODD	WWODD						
			DERBN	047.06	15.88	10000	2900		
			SWAYD	046.04	46.91	10000	2700		
			JOEBU	048.63	15.62	10000	2300		
			VDUUB	056.27	27.01	10000	2300		
			CLRIC	052.81	14.23	10000	2400		BETWEEN 17000 AND FL230
			SHANX	052.89	09.64	10000	2400		AT/ABOVE 16000
			HANBL	039.15	20.93	8000	2100		AT/ABOVE 11000

ARRIVAL ROUTE DESCRIPTION:

FROM HANBL ON TRACK 039.81/13.02 TO CROSS LECTR BETWEEN 8000 AND 10000, THEN ON TRACK 074.16/6.81 TO CROSS FAAVA AT 6000, THEN ON TRACK 112.15/4.00 TO CROSS SIZOR AT 6000 AND AT 210 KIAS, THEN ON TRACK 123.01. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: EXPECT RWY 4L.

NOTE: FOR USE WHEN DTW LANDING NORTH. WHEN DTW LANDING SOUTH OR WEST, FILE AND EXPECT THE HANBL RNAV STAR.

NOTE: TORRR TRANSITION FOR USE BY CVG/DAY/SDF/LEX TERMINAL AREA DEPARTURES AT OR BELOW FL210 ONLY AND ATC USE AS ASSIGNED.

QUALITY  
14  
CHECKED

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FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT HANBL: HOLD SW, LT, 039.15 INBOUND, 10 NM LEGS.  
CHART HOLDING AT SHANX: HOLD SW, LT, 052.89 INBOUND, 10 NM LEGS.  
CHART HOLDING AT SWAYD: HOLD SW, LT, 046.04 INBOUND, 10 NM LEGS.  
CHART HOLDING AT VDUUB: HOLD SW, LT, 056.27 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

DTW ATIS, DETROIT APP CON

AIRPORTS SERVED:

DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI (KDTW)

LOST COMMUNICATIONS PROCEDURE:

FROM SIZOR, EXECUTE RNAV (GPS) Y RWY 4L OR ILS Y RWY 4L APPROACH.

REMARKS:

TRANSITION ROUTE FROM SWAYD TO HANBL IMBEDDED IN ROUTE WWODD TO HANBL.

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)  
REFERENCE MAGNETIC VARIATION = KDTW 07W/2020  
CHART AT SIZOR TERMINUS: LDG KDTW  
DO NOT CHART MOCAs.

FLIGHT INSPECTED BY:

Name	Organization	Date	Signature
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DEVELOPED BY:

MIKE FERRELL	CLEVELAND ARTCC METROPLEX LEAD	03/18/2019	
Name	Organization	Date	Signature

APPROVED BY:

PAT MULQUEEN	AJV-A440		
Name	Organization	Date	Signature

CHANGES:

1. CHANGED MEA FROM 10000 TO 8000 FOR SHANX-HANBL LEG.
2. RENAMED SYKOE WP TO SIZOR WP.
3. MOVED JOEBU 3.0 NM SW.



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4. REMOVED QNVIL WP.

5. CHANGED CHART NOTE FROM "FOR USE WHEN DTW LANDING NORTH. WHEN DTW IS LANDING SOUTH, FILE AND EXPECT THE HANBL RNAV STAR" TO "FOR USE WHEN DTW LANDING NORTH. WHEN DTW LANDING SOUTH OR WEST, FILE AND EXPECT THE HANBL RNAV STAR."

6. HOLDING AT VDUUB CHANGED FROM 056.23 TO 056.27.

7. REMOVED RECOMMENDED NAVAID.

8. ADDITIONAL FLIGHT DATA: UPDATED WP NAME FOR TERMINUS.

REASONS:

1. LOWER MEA NEEDED FOR PROPS AND TURBOPROPS.

2. WAYPOINT NAME CHANGE NEEDED TO ELIMINATE CONFUSION.

3. DECONFLICT FROM CROSSING TRAFFIC.

4. NO LONGER NEEDED.

5. CHANGED WORDING OF CHART NOTE TO LANDING DIRECTION AND STANDARDIZED FOR ALL PROCEDURES.

6. MATCH INBOUND COURSE.

7. NO LONGER REQUIRED.

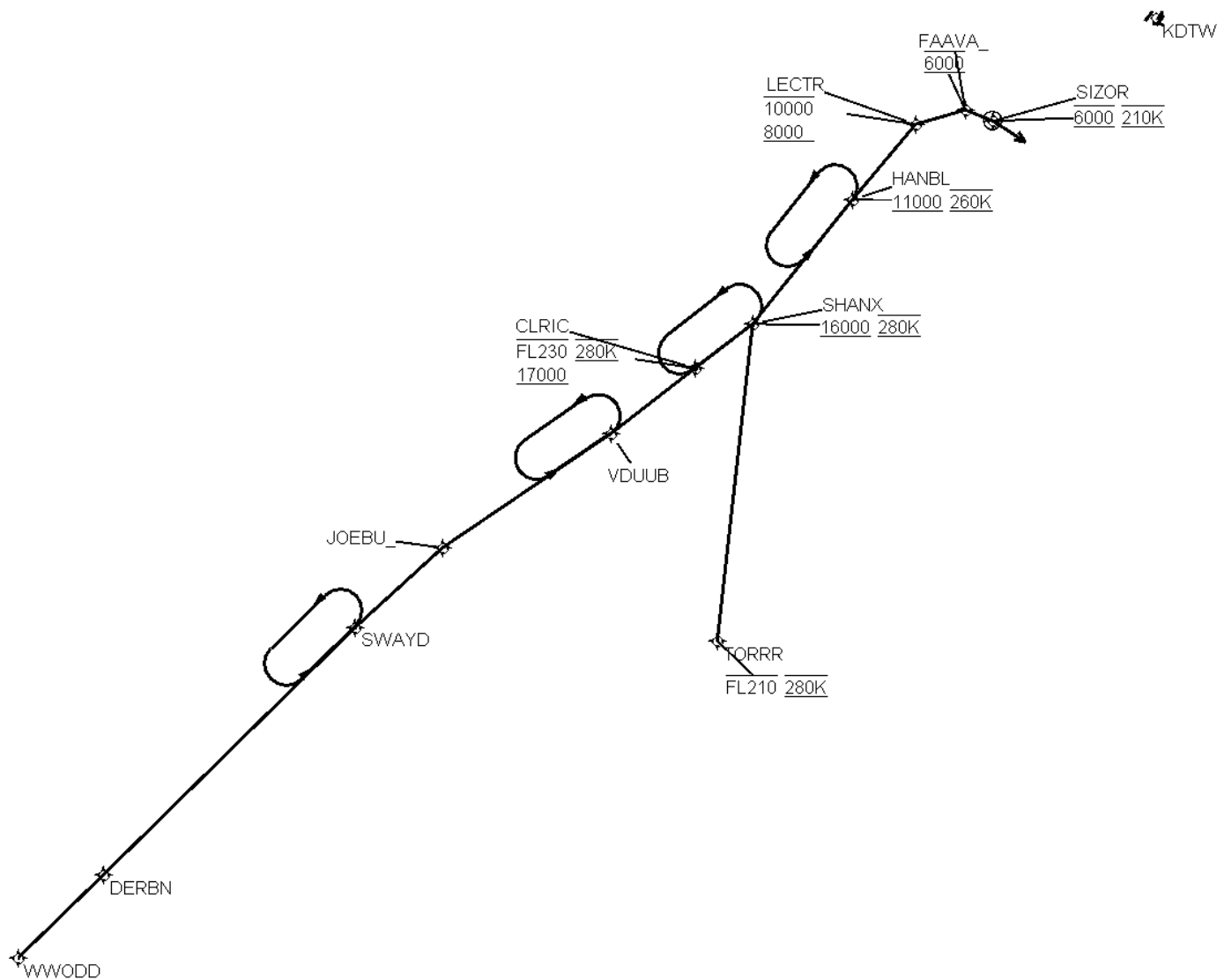
8. ARINC CODING.



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<b>LECTR (RNAV)</b>	<b>THREE</b>	<b>HANBL.LECTR3</b>	<b>TWO</b>	<b>02/28/2019</b>	
<b>Graphic Depiction 1</b>					



FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
STAR (DATA RECORD)

Arrival Name LECTR (RNAV)		Number THREE		STAR Computer Code HANBL.LECTR3		Superseded Number TWO		Dated 02/28/2019	Effective Date
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
SWAYD	404034.14N / 0852902.70W	Y		IF					SWAYD.LECTR3
JOEBU	405214.50N / 0851521.80W	Y	FB	TF	041.63	15.62			
VDUUB	410949.61N / 0844815.56W	Y	FB	TF	049.27	27.01			
CLRIC	411944.14N / 0843443.20W	Y	FB	TF	045.81	14.23	17000BFL230	AT 280K	
SHANX	412626.59N / 0842531.07W	Y	FB	TF	045.89	09.64	AT/ABOVE 16000	AT 280K	
HANBL	414409.25N / 0841038.51W	Y	FB	TF	032.15	20.93	AT/ABOVE 11000	AT 260K	
En Route Transition									
TORRR	404429.77N / 0842458.89W	Y		IF			AT/BELOW FL210	AT 280K	TORRR.LECTR3
SHANX	412626.59N / 0842531.07W	Y	FB	TF	359.45	41.92	AT/ABOVE 16000	AT 280K	
HANBL	414409.25N / 0841038.51W	Y	FB	TF	032.15	20.93	AT/ABOVE 11000	AT 260K	
En Route Transition									
WWODD	395204.05N / 0862111.61W	Y		IF					WWODD.LECTR3
DERBN	400413.14N / 0860752.66W	Y	FB	TF	040.06	15.88			
SWAYD	404034.14N / 0852902.70W	Y	FB	TF	039.04	46.91			
JOEBU	405214.50N / 0851521.80W	Y	FB	TF	041.63	15.62			
VDUUB	410949.61N / 0844815.56W	Y	FB	TF	049.27	27.01			
CLRIC	411944.14N / 0843443.20W	Y	FB	TF	045.81	14.23	17000BFL230	AT 280K	
SHANX	412626.59N / 0842531.07W	Y	FB	TF	045.89	09.64	AT/ABOVE 16000	AT 280K	
HANBL	414409.25N / 0841038.51W	Y	FB	TF	032.15	20.93	AT/ABOVE 11000	AT 260K	
Common Route									
HANBL	414409.25N / 0841038.51W	Y		IF			AT/ABOVE 11000	AT 260K	HANBL.LECTR3
LECTR	415505.78N / 0840111.45W	Y	FB	TF	032.81	13.02	8000B10000		
FAAVA	415744.08N / 0835246.92W	Y	FB	TF	067.16	06.81	AT 6000		
SIZOR	415641.15N / 0834736.12W	Y	FO	TF	105.15	04.00	AT 6000	AT 210K	
KDTW				FM	116.01				

