

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Arrival Name VCTRZ (RNAV)	Number TWO	STAR Computer Code HAYLL.VCTRZ2	Superseded Number ONE	Dated 09/13/2018	Effective Date 10 OCT 2019
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TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
HOSSA	HOSSA.VCTRZ2	HOSSA	HOSSA						
			KRABN	100.84	11.64	10000	2500	BETWEEN 17000 AND FL190	
			URBAN	100.93	10.89	8000	2500		
SAMPL	SAMPL.VCTRZ2	SAMPL	HAYLL	101.13	12.12	8000	2600		AT/ABOVE 17000
			WNNNE	092.17	59.42	10000	2300		
			SAADD	100.19	26.53	10000	2400		
			HOSSA	100.37	21.30	10000	2400		
			KRABN	100.84	11.64	10000	2500	BETWEEN 17000 AND FL190	
SAMPL	SAMPL.VCTRZ2	SAMPL	URBAN	100.93	10.89	8000	2500		
			HAYLL	101.13	12.12	8000	2600	AT/ABOVE 17000	

ARRIVAL ROUTE DESCRIPTION:

FROM HAYLL ON TRACK 089.75/10.40 TO VCTRZ, THEN ON TRACK 079.68/7.90 TO CROSS HYSMN BETWEEN 12000 AND 15000, THEN ON TRACK 055.30/10.50 TO CROSS UUOFM AT 12000 AND AT 250 KIAS.

LANDING RWY 21L/R: FROM UUOFM ON TRACK 093.37/21.73 TO RAAMM, THEN ON TRACK 037.37/4.44 TO CROSS MODLT AT 12000 AND AT 210 KIAS, THEN ON TRACK 035.72. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 22L/R: FROM UUOFM ON TRACK 078.47/8.95 TO TRPRS, THEN ON TRACK 035.52/4.77 TO CROSS SEEGR AT 12000 AND AT 210 KIAS, THEN ON TRACK 033.32. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 27L/R: FROM UUOFM ON TRACK 098.80/19.93 TO WUDSN, THEN ON TRACK 096.36/10.95 TO CROSS BRDDY AT 12000 AND AT 210 KIAS, THEN ON TRACK 096.36. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

PROCEDURAL DATA NOTES:

NOTE: RADAR REQUIRED

NOTE: RNAV 1

NOTE: DME/DME/IRU OR GPS REQUIRED

NOTE: USE RUNWAY 22R TRANSITION OR AS ASSIGNED BY ATC. EXPECT RUNWAY ASSIGNMENT FROM DETROIT APP CON NO LATER THAN 10 NM FROM UUOFM.

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

NOTE: FOR USE BY FLIGHTS DEPARTING KMDW, KSBN, KAZO, KMCI, KLAS, KLAX, KPHX, KSAN, AND KSNA AREA AIRPORTS ONLY, OR AS ASSIGNED BY ATC.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT URBAN: HOLD W, RT, 100.93 INBOUND, 10 NM LEGS.

CHART HOLDING AT SAADD: HOLD W, LT, 100.19 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

DTW ATIS, DETROIT APP CON



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VCTRZ (RNAV)	TWO	HAYLL.VCTRZ2	ONE	09/13/2018	10 OCT 2019

AIRPORTS SERVED:

DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI (KDTW)

LOST COMMUNICATIONS PROCEDURE:

REMARKS:

TRANSITION ROUTE FROM HOSSA TO HAYLL (IMBEDDED IN ROUTE SAMPL TO HAYLL).

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)
 REFERENCE MAGNETIC VARIATION = KDTW 07W/2020
 CHART AT MODLT TERMINUS: KDTW LDG RWY 21L/R
 CHART AT SEEGR TERMINUS: KDTW LDG RWY 22L/R
 CHART AT BRDDY TERMINUS: KDTW LDG RWY 27L/R
 DO NOT CHART MOCAs.

FLIGHT INSPECTED BY:

BRYAN VEIT	FICO	7/11/19
Name	Organization	Date

Digitally signed by

JACOB POWERS

Jul 17, 2019

Signature

DEVELOPED BY:

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

Digitally signed by

JACOB POWERS

Jul 17, 2019

Signature

APPROVED BY:

PAT MULQUEEN	AJV-A440	
Name	Organization	Date

Digitally signed by

JACOB POWERS

Jul 17, 2019

Signature

CHANGES:

1. CHANGED MEA FROM 10000 TO 8000 FOR KRABN-URBAN AND URBAN-HAYLL LEGS.
2. ADDED URBAN WP AND HOLDING PATTERN.
3. REMOVED HOLDING PATTERN AT HAYLL.
4. REMOVED HRMON WP.
5. CHANGED ROUTING OF RWY 22L/R TRANSITION FROM UUOFM-HRMON-SEEGR TO UUOFM-TRPRS-SEEGR.
6. ADDED RWY 27L/R TRANSITION.
7. CHANGED CHART NOTE FROM "FOR USE WHEN DTW IS IN SOUTH FLOW. WHEN DTW IS IN NORTH FLOW, FILE AND EXPECT THE HAYLL RNAV STAR" TO "FOR USE WHEN DTW LANDING SOUTH OR WEST. WHEN DTW LANDING NORTH, FILE AND EXPECT THE HAYLL RNAV STAR."



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8. CHANGED CHART NOTE FROM "USE RUNWAY 22R TRANSITION OR AS ASSIGNED BY ATC. EXPECT RUNWAY ASSIGNMENT FROM DETROIT TRACON PRIOR TO HYSMN" TO "USE RUNWAY 22R TRANSITION OR AS ASSIGNED BY ATC. EXPECT RUNWAY ASSIGNMENT FROM DETROIT APP CON NO LATER THAN 10 NM FROM UUOFM."

9. ADDED CHART NOTE, "FOR USE BY FLIGHTS DEPARTING KMDW, KSBN, KAZO, KMCI, KLAS, KLAX, KPHX, KSAN, AND KSNA AREA AIRPORTS, OR AS ASSIGNED BY ATC."

10. MOVED SEEGR 3.2 NM SOUTH.

11. MOVED TRPRS 0.26 NM SE.

12. REMOVED RECOMMENDED NAVAID.

REASONS:

1. LOWER MEA NEEDED FOR PROPS AND TURBOPROPS.

2, 3. HOLDING PATTERN MOVED TO MORE EFFICIENT LOCATION.

4, 5. BETTER ALIGN PROCEDURE TO DESIRED TRACK.

6. BETTER SERVE ARRIVALS.

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

8. IDENTIFY WHEN TO EXPECT RUNWAY ASSIGNMENT REFERENCE WAYPOINT.

9. RESTRICT USAGE TO AIRPORTS LISTED IN ZAU/ZOB LOA.

10, 11. ALIGN WITH CHANGES MADE TO RNAV(RNP) W RWY 22R.

12. NO LONGER REQUIRED.



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
HOSSA	420025.32N / 0850412.23W	Y		IF					HOSSA.VCTRZ2
KRABN	415937.49N / 0844837.58W	Y	FB	TF	093.84	11.64	17000BFL190	AT 280K	
URBAN	415851.73N / 0843403.27W	Y	FB	TF	093.93	10.89			
HAYLL	415758.13N / 0841751.00W	Y	FB	TF	094.13	12.12	AT/ABOVE 17000	AT 280K	

En Route Transition									
SAMPL	415845.00N / 0872745.00W	Y		IF					SAMPL.VCTRZ2
WNNNE	420317.97N / 0860815.80W	Y	FB	TF	085.17	59.42			
SAADD	420143.98N / 0853243.21W	Y	FB	TF	093.19	26.53			
HOSSA	420025.32N / 0850412.23W	Y	FB	TF	093.37	21.30			
KRABN	415937.49N / 0844837.58W	Y	FB	TF	093.84	11.64	17000BFL190	AT 280K	
URBAN	415851.73N / 0843403.27W	Y	FB	TF	093.93	10.89			
HAYLL	415758.13N / 0841751.00W	Y	FB	TF	094.13	12.12	AT/ABOVE 17000	AT 280K	

Common Route									
HAYLL	415758.13N / 0841751.00W	Y		IF			AT/ABOVE 17000	AT 280K	HAYLL.VCTRZ2
VCTRZ	415916.06N / 0840400.94W	Y	FB	TF	082.75	10.40			
HYSMN	420136.78N / 0835353.63W	Y	FB	TF	072.68	07.90	12000B15000		
UUOFM	420835.74N / 0834321.05W	Y	FB	TF	048.30	10.50	AT 12000	AT 250K	

Runway Transition									
UUOFM	420835.74N / 0834321.05W	Y		IF			AT 12000	AT 250K	
RAAMM	420954.73N / 0831411.19W	Y	FB	TF	086.37	21.73			
MODLT	421344.82N / 0831109.72W	Y	FO	TF	030.37	04.44	AT 12000	AT 210K	
KDTW:RWY 21L,RWY 21R				FM	028.72				

Runway Transition									
UUOFM	420835.74N / 0834321.05W	Y		IF			AT 12000	AT 250K	

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FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
TRPRS	421125.99N / 0833155.82W	Y	FB	TF	071.47	08.95			
SEEGR	421537.49N / 0832851.78W	Y	FO	TF	028.52	04.77	AT 12000	AT 210K	
KDTW:RWY 22L,RWY 22R				FM	026.32				

Runway Transition									
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
UUOFM	420835.74N / 0834321.05W	Y		IF			AT 12000	AT 250K	
WUDSN	420755.02N / 0831635.09W	Y	FB	TF	091.80	19.93			
BRDDY	420801.39N / 0830151.98W	Y	FO	TF	089.36	10.95	AT 12000	AT 210K	
KDTW:RWY 27L,RWY 27R				FM	089.36				

