

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
FERRL (RNAV)	ONE	WNGNT.FERRL1	NONE		24 MAY 2018

TRANSITION ROUTES:

Transition Name	Transition Computer Codes	From FIX/NAVAID	To FIX/NAVAID	Mag Course	Distance	MEA	MOCA	MAA	Crossing Altitudes / Fixes
JACCI	JACCI.FERRL1	JACCI	JACCI						
			VOLPE	279.66	83.81	10000	5100		
			SAYCH	277.88	33.44	10000	3100		BETWEEN FL240 AND FL260
			WNGNT	273.95	43.32	10000	3400		BETWEEN 11000 AND 17000

ARRIVAL ROUTE DESCRIPTION:

FROM WNGNT ON TRACK 273.75/6.64 TO CROSS FERRL BETWEEN 10000 AND 14000 AND AT 260 KIAS, THEN ON TRACK 275.33/5.89 TO CROSS OHLLY BETWEEN 9000 AND 10000, THEN ON TRACK 280.14/8.17 TO CROSS GMOTR AT OR ABOVE 7000, THEN ON TRACK 280.02/4.08 TO CROSS CHEWZ AT 6000, THEN ON TRACK 279.95/4.49 TO CROSS COBBO AT 6000 AND AT 210 KIAS, THEN ON TRACK 279.95. 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 21L.

NOTE: JET AIRCRAFT AIRCRAFT DESCEND VIA MACH NUMBER UNTIL INTERCEPTING 280 KIAS. MAINTAIN 280 KIAS UNTIL SLOWED BY THE STAR.

NOTE: FOR USE WHEN DTW IS IN SOUTH FLOW. WHEN DTW IS IN NORTH FLOW, FILE AND EXPECT THE WNGNT RNAV STAR.

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT VOLPE: HOLD E, LT, 279.66 INBOUND, 10 NM LEGS.

CHART HOLDING AT WNGNT: HOLD E, LT, 273.95 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

DTW ATIS, DETROIT APP CON

AIRPORTS SERVED:

DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI (KDTW)

LOST COMMUNICATIONS PROCEDURE:

FROM COBBO, EXECUTE ILS RWY 21L APPROACH.

REMARKS:

ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KDTW 07W 2020

CHART AT COBBO TERMINUS: LDG KDTW

DO NOT CHART MOCAs



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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
FERRL (RNAV)	ONE	WNGNT.FERRL1	NONE		24 MAY 2018

FLIGHT INSPECTED BY:

BRENT BOOKER
Name

FICO
Organization

3/1/18
Date

Digitally signed by

DONALD H LANIER

~~Mar 26, 2018~~

Signature

DEVELOPED BY:

MIKE FERRELL

CLEVELNAD ARTCC METROPLEX LEAD

30 AUG 2017

Digitally signed by

DONALD H LANIER

Mar 26, 2018

Signature

APPROVED BY:

MARLON J. ROBINSON, MANAGER

Name

AJV-5440

Organization

Date

Digitally signed by

DONALD H LANIER

Mar 26, 2018

Signature

CHANGES:REASONS:

QUALITY
14
CHECKED

FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name FERRL (RNAV)	Number ONE		STAR Computer Code WNGNT.FERRL1		Superseded Number NONE		Dated		Effective Date 24 MAY 2018
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
En Route Transition									
JACCI	422811.29N / 0784346.85W	Y		IF					JACCI.FERRL1
VOLPE	423109.00N / 0803700.00W	Y	FB	TF	272.66	83.81			
SAYCH	423130.93N / 0812212.90W	Y	FB	TF	270.88	33.44	FL240BFL260	AT 280K	
WNGNT	422857.76N / 0822041.08W	Y	FB	TF	266.95	43.32	11000B17000		
Common Route									
WNGNT	422857.76N / 0822041.08W	Y		IF			11000B17000		WNGNT.FERRL1
FERRL	422834.81N / 0822938.62W	Y	FB	TF	266.75	06.64	10000B14000	AT 260K	
OHLLY	422824.24N / 0823735.96W	Y	FB	TF	268.33	05.89	9000B10000		
GMOTR	422850.54N / 0824837.07W	Y	FB	TF	273.14	08.17	AT/ABOVE 7000		
CHEWZ	422903.29N / 0825407.46W	Y	FB	TF	273.02	04.08	AT 6000		
COBBO	422917.02N / 0830011.09W	Y	FO	TF	272.95	04.49	AT 6000	AT 210K	
KDTW				FM	272.95				RECOMMENDED NAVAID: AIR VOR/DME