

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
CUUGR (RNAV)	ONE	TPGUN.CUUGR1	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
BOBTA	BOBTA.CUUGR1	BOBTA	BOBTA						
			JAIBE	226.54	62.63	15000	3700		
			GGUCE	225.91	23.00	15000	3300		
			WLFMN	273.40	20.26	10000	2100		BETWEEN FL240 AND FL250
			MAVVV	272.97	20.57	10000	3100		
			TPGUN	274.25	28.42	10000	3700		BETWEEN 16000 AND FL230
DONEO	DONEO.CUUGR1	DONEO	DONEO						
			VYPRE	270.61	28.67	10000	3300		
			GGUCE	273.76	23.00	10000	3100		
			WLFMN	273.40	20.26	10000	2100		BETWEEN FL240 AND FL250
			MAVVV	272.97	20.57	10000	3100		
			TPGUN	274.25	28.42	10000	3700		BETWEEN 16000 AND FL230

ARRIVAL ROUTE DESCRIPTION:

FROM TPGUN ON TRACK 248.89/20.75 TO CROSS HHUNT BETWEEN 12000 AND 15000, THEN ON TRACK 245.30/12.19 TO CROSS CUUGR BETWEEN 10000 AND 11000 AND AT 250 KIAS.
LANDING RWY 3L/R, 4R: FROM CUUGR ON TRACK 214.22/5.40 TO ROOAD, THEN ON TRACK 214.18/12.01 TO CROSS ROYYY AT 8000 AND AT 210 KIAS, THEN ON TRACK 215.68. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.
LANDING RWY 4L: FROM CUUGR ON TRACK 266.73/15.41 TO CROSS ZUBBY AT OR ABOVE 8000, THEN ON TRACK 216.18/8.01 TO CROSS SKRUG AT 7000 AND AT 210 KIAS, THEN ON TRACK 218.18. 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 RWY 3R TRANSITION OR AS ASSIGNED BY ATC. EXPECT RUNWAY ASSIGNMENT FROM DETROIT TRACON PRIOR TO CUUGR.

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

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

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING AT TPGUN: HOLD E, RT, 274.25 INBOUND, 10 NM LEGS.

CHART HOLDING AT DONEO: HOLD E, LT, 270.61 INBOUND, 10 NM LEGS.

COMMUNICATIONS:

DTW ATIS, DETROIT APP CON

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AIRPORTS SERVED:

DETROIT METROPOLITAN WAYNE COUNTY, DETROIT, MI (KDTW)

LOST COMMUNICATIONS PROCEDURE:REMARKS:ADDITIONAL FLIGHT DATA:

DME/DME ASSESSMENT: SAT (RNP 2.0)

REFERENCE MAGNETIC VARIATION = KDTW 07W/2020

CHART AT ROYYY TERMINUS: KDTW LDG RWY 3L/R, 4R

CHART AT SKRUG TERMINUS: KDTW LDG RWY 4L

DO NOT CHART MOCAs

FLIGHT INSPECTED BY:

Digitally signed by
BRENT BOOKER
Name
CASIMIR L TABAKA
Mar 23, 2018

FICO
Organization

3/2/18
Date

Signature

DEVELOPED BY:

Digitally signed by
MIKE FERRELL
Name
CASIMIR L TABAKA
Mar 23, 2018

CLEVELAND ARTCC METROPLEX LEAD

30 AUG 2017

Signature

APPROVED BY:

MARLON J. ROBINSON, MANAGER
Name
Digitally signed by
CASIMIR L TABAKA
Mar 23, 2018

AJV-5440
Organization

Date

Signature

CHANGES:REASONS:

03/23/2018: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/30/2017.

1. RAISED MEA BETWEEN BOBTA TO JAIBE AND JAIBE TO GGUCE FROM 10000FT TO 15000FT TO REMOVE CRITICAL DME.



FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STAR (DATA RECORD)

Arrival Name CUUGR (RNAV)		Number ONE		STAR Computer Code TPGUN.CUUGR1		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									
BOBTA	434852.00N / 0793931.00W	Y		IF					BOBTA.CUUGR1
JAIBE	430020.38N / 0803351.01W	Y	FB	TF	219.54	62.63			
GGUCE	424224.64N / 0805326.73W	Y	FB	TF	218.91	23.00			
WLFMN	424104.99N / 0812051.74W	Y	FB	TF	266.40	20.26	FL240BFL250	AT 280K	
MAVVV	423934.93N / 0814839.97W	Y	FB	TF	265.97	20.57			
TPGUN	423806.49N / 0822707.55W	Y	FB	TF	267.25	28.42	16000BFL230	AT 280K	
En Route Transition									
DONEO	424704.97N / 0794338.44W	Y		IF					DONEO.CUUGR1
VYPRE	424346.94N / 0802218.13W	Y	FB	TF	263.61	28.67			
GGUCE	424224.64N / 0805326.73W	Y	FB	TF	266.76	23.00			
WLFMN	424104.99N / 0812051.74W	Y	FB	TF	266.40	20.26	FL240BFL250	AT 280K	
MAVVV	423934.93N / 0814839.97W	Y	FB	TF	265.97	20.57			
TPGUN	423806.49N / 0822707.55W	Y	FB	TF	267.25	28.42	16000BFL230	AT 280K	
Common Route									
TPGUN	423806.49N / 0822707.55W	Y		IF			16000BFL230	AT 280K	TPGUN.CUUGR1
HHUNT	422816.96N / 0825151.54W	Y	FB	TF	241.89	20.75	12000B15000		
CUUGR	422151.77N / 0830550.75W	Y	FB	TF	238.30	12.19	10000B11000	AT 250K	
Runway Transition									
CUUGR	422151.77N / 0830550.75W	Y		IF			10000B11000	AT 250K	
ROOAD	421703.52N / 0830910.36W	Y	FB	TF	207.22	05.40			
ROYYY	420622.01N / 0831632.58W	Y	FO	TF	207.18	12.01	AT 8000	AT 210K	
KDTW:RWY 3L,RWY 3R,RWY 4R				FM	208.68				RECOMMENDED NAVAID: AIR VOR/DME

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FIX/NAVAID		LAT/LONG		C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
Runway Transition											
CUUGR		422151.77N / 0830550.75W		Y		IF			10000B11000	AT 250K	
ZUBBY		421905.14N / 0832616.73W		Y	FB	TF	259.73	15.41	AT/ABOVE 8000		
SKRUG		421205.24N / 0833131.96W		Y	FO	TF	209.18	08.01	AT 7000	AT 210K	
KDTW:RWY 4L						FM	211.18				RECOMMENDED NAVAID: AIR VOR/DME

