FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE GRAPHIC DEPARTURE PROCEDURES (DP)

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL Altitudes are minimum altitudes unless otherwise indicated Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statue miles or feet RVR unless otherwise indicated.

DP NAN ZETTR	<u>IE</u>				NUMBER FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	<u>DATED</u> 12/5/2019	ACTUAL EFFECTIVE DATE
TYPE:	OBSTACLE	SID X	SPECIAL	<u>RNAV</u>					

DP ROUTE DESCRIPTION:

DETROIT METROPOLITAN WAYNE COUNTY (KDTW):

TAKEOFF RWY 3L: CLIMB ON HEADING 035.71 TO 1146, THEN DIRECT TO CROSS DCATS AT OR BELOW 7000, THEN ON TRACK 033.72 TO CROSS NILSN AT OR BELOW 11000, THEN ON TRACK 042.53 TO FLOKA, THENCE ...

TAKEOFF RWY 3R: CLIMB ON HEADING 035.71 TO 1146, THEN DIRECT BURPZ, THEN ON TRACK 034.39 TO CROSS DCATS AT OR BELOW 7000, THEN ON TRACK 033.72 TO CROSS NILSN AT OR BELOW 11000, THEN ON TRACK 042.53 TO FLOKA, THENCE...

TAKEOFF RWY 4L: CLIMB ON HEADING 035.68 TO 1146, THEN DIRECT MINDY, THEN ON TRACK 037.88 TO CROSS KKELL AT OR BELOW 7000, THEN ON TRACK 038.82 TO CROSS NILSN AT OR BELOW 11000, THEN ON TRACK 042.53 TO FLOKA, THENCE...

TAKEOFF RWY 4R: CLIMB ON HEADING 035.70 TO 1146, THEN DIRECT TO CROSS KKELL AT OR BELOW 7000, THEN ON TRACK 038.82 TO CROSS NILSN AT OR BELOW 11000, THEN ON TRACK 042.53 TO FLOKA, THENCE...

TAKEOFF RWY 21L: CLIMB ON HEADING 215.72 TO INTERCEPT COURSE 172.93 TO CROSS WINRS AT OR ABOVE 2500 AND AT OR BELOW 230 KIAS, THEN ON TRACK 093.68 TO CROSS USSIE AT OR ABOVE 4000, THEN ON TRACK 083.76 TO CROSS SUURF AT OR BELOW 7000, THEN ON TRACK 036.34 TO TUURF, THEN ON TRACK 019.05 TO FLOKA, THENCE...

TAKEOFF RWY 21R: CLIMB ON HEADING 215.72 TO INTERCEPT COURSE 174.91 TO CROSS WINRS AT OR ABOVE 2500 AND AT OR BELOW 230 KIAS, THEN ON TRACK 093.68 TO CROSS USSIE AT OR ABOVE 4000, THEN ON TRACK 083.76 TO CROSS SUURF AT OR BELOW 7000, THEN ON TRACK 036.34 TO TUURF, THEN ON TRACK 019.05 TO FLOKA, THENCE...

TAKEOFF RWY 22L: CLIMB ON HEADING 215.71 TO INTERCEPT COURSE 251.44 TO CROSS FORDZ AT OR ABOVE 4000, THEN ON TRACK 314.11 TO CROSS CORVE AT OR BELOW 7000, THEN ON TRACK 026.15 TO FRBRD, THEN ON TRACK 048.58 TO DINGL, THEN ON TRACK 063.33 TO FLOKA, THENCE...

TAKEOFF RWY 22R: CLIMB ON HEADING 215.69 TO INTERCEPT COURSE 249.57 TO CROSS FORDZ AT OR ABOVE 4000, THEN ON TRACK 314.11 TO CROSS CORVE AT OR BELOW 7000, THEN ON TRACK 026.15 TO FRBRD, THEN ON TRACK 048.58 TO DINGL, THEN ON TRACK 063.33 TO FLOKA, THENCE...

TAKEOFF RWY 27L: CLIMB ON HEADING 275.73 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO FLOKA, THENCE...

TAKEOFF RWY 27R: CLIMB ON HEADING 275.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO FLOKA, THENCE...

...ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN 17000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

WILLOW RUN (KYIP):

TAKEOFF RWY 5: CLIMB ON HEADING 052.70 TO 1220, THEN ON HEADING 300.00 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO FLOKA, THENCE... TAKEOFF RWY 9: CLIMB ON HEADING 094.55 TO 1220, THEN ON HEADING 300.00 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO FLOKA, THENCE... TAKEOFF RWY 23: CLIMB ON HEADING 232.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO FLOKA, THENCE... TAKEOFF RWY 27: CLIMB ON HEADING 274.56 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO FLOKA, THENCE...

...ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

ANN ARBOR MUNI (KARB):

TAKEOFF RWY 6: CLIMB ON HEADING 059.53 OR AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 24: CLIMB ON HEADING 239.53 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ZETTR	FOUR	ZETTR4.ZETTR	THREE	12/5/2019	

COLEMAN A YOUNG MUNI (KDET):

TAKEOFF RWY 15: CLIMB ON HEADING 148.32 OR AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 33: CLIMB ON HEADING 328.33 TO 1800 THEN AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

CUSTER (KTTF):

TAKEOFF RWY 3: CLIMB ON HEADING 027.49 OR AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 21: CLIMB ON HEADING 207.50 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

GROSSE ILE MUNI (KONZ):

TAKEOFF RWY 4: CLIMB ON HEADING 037.34 TO 1200 THEN AS ASSIGNED BY ATC, THENCE...TAKEOFF RWY 17: CLIMB ON HEADING 173.78 OR AS ASSIGNED BY ATC, THENCE...TAKEOFF RWY 22: CLIMB ON HEADING 217.34 OR AS ASSIGNED BY ATC, THENCE...TAKEOFF RWY 35: CLIMB ON HEADING 005.78 TO 1800 THEN AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

LIVINGSTON COUNTY SPENCER J HARDY (KOZW):

TAKEOFF RWY 13: CLIMB ON HEADING 132.35 OR AS ASSIGNED BY ATC, THENCE... **TAKEOFF RWY 31:** CLIMB ON HEADING 312.36 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

OAKLAND COUNTY INTL (KPTK): TAKEOFF RWY 9L: CLIMB ON HEADING 094.66 OR AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 9R: CLIMB ON HEADING 094.63 OR AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 27L: CLIMB ON HEADING 274.65 OR AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 27R: CLIMB ON HEADING 274.68 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

OAKLAND/TROY (KVLL):

TAKEOFF RWY 10: CLIMB ON HEADING 095.71 TO 1400 THEN AS ASSIGNED BY ATC, THENCE... TAKEOFF RWY 28: CLIMB ON HEADING 275.72 TO 1500 THEN AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

SELFRIDGE ANGB (KMTC):

TAKEOFF RWY 1: CLIMB ON HEADING 007.47 OR AS ASSIGNED BY ATC, THENCE... **TAKEOFF RWY 19:** CLIMB ON HEADING 187.47 OR AS ASSIGNED BY ATC, THENCE...

...FOR RADAR VECTORS TO FLOKA, THEN ON TRACK 049.05 TO ZETTR, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

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DP NAME ZETTR			NUMBERDP COMPUTERFOURZETTR4.ZET		SUPERSEDED NUMBER THREE			ACTUAL EFFECTIVE DATE
TRANSITION ROUTES	(GRAPHIC DEPICTION ONI	LY):						
TRANSITION NAME	TRANSITION COMPUTER CODE	<u>FROM</u> <u>FIX/NAVAID</u>	<u>TO</u> <u>FIX/NAVAID</u>	COURSE	DISTANCE	<u>MEA</u>	MOCA	CROSSING ALTITUDE/FIXES
DUTEL	ZETTR4.DUTEL	ZETTR	KARIT	TRACK 034.08	53.98	12000	2300	
		KARIT	DUTEL	TRACK 039.60	67.40	12000	2300	
ETBOX	ZETTR4.ETBOX	ZETTR	KARIT	TRACK 034.08	53.98	12000	2300	
		KARIT	ETBOX	TRACK 067.32	99.53	16000	3000	
KELTI	ZETTR4.KELTI	ZETTR	TANKO	TRACK 073.68	15.59	10000	2100	
		TANKO	KELTI	TRACK 090.02	152.32	10000	2800	
SIKBO	ZETTR4.SIKBO	ZETTR	TANKO	TRACK 073.68	15.59	10000	2100	
		TANKO	SIKBO	TRACK 080.14	138.11	10000	3200	
TANKO	ZETTR4.TANKO	ZETTR	TANKO	TRACK 073.68	15.59	10000	2100	

PBN REQUIREMENT NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED.

PROCEDURAL DATA NOTES:

NOTE: TURBOJET DEPARTURES AT/ABOVE 10000, MAINTAIN 280K UNTIL ADVISED BY ATC. **NOTE:** TANKO TRANSITION: FOR USE BY CYYZ AREA ARRIVALS ONLY, OR AS ASSIGNED BY ATC.

TAKEOFF MINIMUMS:

DETROIT METRO WAYNE COUNTY (KDTW):

RWY 27L, 27R: STANDARD. RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1146.

WILLOW RUN (KYIP):

RWY 23: STANDARD. RWY 5, 9: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1220. RWY 27: STANDARD WITH MINIMUM CLIMB OF 209 FT/NM TO 1000.

ANN ARBOR MUNI (KARB):

RWY 12, 30: NA - ENVIRONMENTAL. RWY 6, 24: STANDARD.

COLEMAN A YOUNG MUNI (KDET): RWY 15, 33: STANDARD.

CUSTER (KTTF): RWY 3, 21: STANDARD.

GROSSE ILE MUNI (KONZ):

WALIT,

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DP NAME ZETTR	<u>NUMBER</u> FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
RWY 4, 17, 22: STANDARD. RWY 35: STANDARD WITH MINIMUM CLIMB OF 500 FT/NM TO 1100.					
LIVINGSTON COUNTY SPENCER J HARDY (KOZW): RWY 13, 31: STANDARD.					
OAKLAND COUNTY INTL (KPTK): RWY 18, 36: NA - ENVIRONMENTAL. RWY 9L, 9R, 27L, 27R: STANDARD.					
OAKLAND/TROY (KVLL): RWY 10: STANDARD. RWY 28: STANDARD WITH MINIMUM CLIMB OF 476 FT/NM TO 1500.					
SELFRIDGE ANGB (KMTC): RWY 1: STANDARD. RWY 19: STANDARD WITH MINIMUM CLIMB OF 235 FT/NM TO 1500.					

TAKEOFF OBSTACLES NOTES: SEE FORM 8260-15A TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP).

CONTROLLING OBSTACLES: WILLOW RUN (KYIP): RWY 27: 903 FT MSL TOWER 421431.80N/0833411.49W.

COLEMAN A YOUNG MUNI (KDET): OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 33: 1749 FT MSL TOWER 422653.00N/0831023.00W.

GROSSE ILE MUNI (KONZ): RWY 35: 1146 FT MSL STACK 420718.61N/0831050.62W.

OAKLAND/TROY (KVLL): RWY 28: 905 FT MSL BUILDING 423232.54N/0831234.07W. OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10, 28: 1724 FT MSL TOWER 422858.46N/0831218.94W.

SELFRIDGE ANGB (KMTC): RWY 19: 1246 FT MSL TOWER 423312.00N/0825315.00W

MSA: KDTW: MSA FROM KDTW, 2800. KYIP: MSA FROM KYIP, 3000. KARB: MSA FROM KARB, 3000. KDET: MSA FROM KDET, 2800. KTTF: MSA FROM KDTF, 3100. KONZ: MSA FROM KONZ, 3100. KOZW: MSA FROM KOZW, 3000. KPTK: MSA FROM KPTK, 2900. KVLL: MSA FROM KVLL, 2900.

LOST COMMUNICATIONS PROCEDURES:



DP NAME	<u>NUMBER</u>	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
ZETTR	FOUR	ZETTR4.ZETTR	THREE	12/5/2019	
ADDITIONAL FLIGHT DATA: DME/DME ASSESSMENT: SAT (RNP 2.0)					

AIRPORT MV: DTW (P) 7W/2020, ARB 5W/1985, DET 5W/1980, MTC 6W/1985, ONZ 7W/2010, OZW 5W/1990, PTK 7W/2020, TTF 5W/1980, VLL 6W/1995, YIP 6W/1995.

DETROIT METRO WAYNE COUNTY - CHART: TOP ALTITUDE: 17000.

ALL OTHER AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC.

CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS.

AIRPORTS SERVED:

AIRPORT ID	CITY	STATE
KDTW	DETROIT	МІ
KYIP	DETROIT	MI
KARB	ANN ARBOR	MI
KDET	DETROIT	MI
KTTF	MONROE	MI
KONZ	DETROIT/GROSSE ILE	MI
KOZW	HOWELL	MI
КРТК	PONTIAC	MI
KVLL	TROY	МІ
КМТС	MOUNT CLEMENS	МІ

COMMUNICATIONS:

CHART: ATIS, AWOS/ASOS, CLNC DEL, GND CON, TWR, CTAF, CPDLC.

FIXES AND/OR NAVAIDS:

REMARKS:

1. 100 FT MAXIMUM VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST.

2. WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS.

3. WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 8260.58C PARAGRAPH 1-2-5.C.(3), MAXIMUM BANK ANGLE" DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT ZETTR; 16 DEGREE BANK ANGLE APPLIED AT TANKO; REQUIRED FOR KDTW, KYIP, KARB, KONZ, KOZW, KTTF.

4. 45 DEGREE TURN APPLIED AT FLOKA.

5. CHANGES TO THIS PROCEDURE MUST BE COORDINATED WITH NAVCANADA, AERONAUTICAL INFORMATION MANAGEMENT (AIM), AIMDATA@NAVCANADA.CA (CURRENT POC IS CHARLES SIMARD, 613-248-3819, SIMACHA@NAVCANADA.CA).

6. KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP.

7. KDTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES.

8. KYIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW.

9. MEA BASED ON LOWEST DME/DME COVERAGE.

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_ DP NAME ZETTR			<u>NUMBER</u> FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
FLIGHT INSPECTED BY SCOTT WIEBE	Digitally signed by CASIMIR L TABAKA	SIGNATURE			OFFICE FPO	DATE 03/07/2024	
DEVELOPED BY APRIL SARMENTO	Mar 15, 2024	<u>SIGNATURE</u>		<i>Digitally signed by</i> APRIL T SARMENTO Jan 24, 2024	OFFICE AJV-A432	DATE 11/15/2023	
APPROVED BY CASIMIR TABAKA			Digitally signed l ASIMIR L TABA	-	OFFICE AJV-A432	DATE	<u>TITLE</u> MANAGER
REQUIRED EFFECTIVE DA ROUTINE COORDINATED WITH:	TE		Jan 26, 2024				
			OTHER:ZOB	, DTW APP CON, AMGR(S), N	AVCANADA (AIMDAT@NAV(CANADA.CA)	
1. AIRPORT NAME, CHANG 2. DELETED ALL CYQG DA 3. DELETED ALL CYQG DA 3. DELETED KYIP RWY 5L, RUNWAY 5L, 23R DECOMM 4. DELETED KDET RWY 7, 5. CHANGED KVLL RWYS F 6. DP ROUTE DESCRIPTIO FLOKA" - CROSSING ALTIT 7. DP ROUTE DESCRIPTIO 8. DP ROUTE DESCRIPTIO 8. DP ROUTE DESCRIPTIO 275.73 OR AS ASSIGNED E APPENDIX E. SECTION 1.2 9. DP ROUTE DESCRIPTIO AS ASSIGNED BY ATC, FO 8260.46J APPENDIX E. SEC 10. DP ROUTE DESCRIPTIO 11. DP ROUTE DESCRIPTIO 052.70 TO 1220, THEN ON MEMO "MAGNETIC VARIAT ATC ASSIGNED HEADINGS 12. DP ROUTE DESCRIPTIO 094.55 TO 1220, THEN ON MEMO "MAGNETIC VARIAT ATC ASSIGNED HEADINGS 13. DP ROUTE DESCRIPTIO AS ASSIGNED BY ATC, FO CHANGED FROM KDTW (7 DEPARTURE PROCEDURE 14. DP ROUTE DESCRIPTIO AS ASSIGNED BY ATC, FO CHANGED FROM KDTW (7 DEPARTURE PROCEDURE 15. DP ROUTE DESCRIPTIO	N, CHANGED KDTW RWY 27R "CL R RADAR VECTORS" - EARLY TUF	DN, TAKEOFF MI D RUNWAY NUM JUMBERED ON 1 ESCRIPTION, TA RUNWAYS WER ELETED FIX FLO ST AND WAIVER S ZETTR AT OR E OM "CLIMB ON H LNAV ENGAGEM IMB ON HEADING NAND LNAV EN DE VERBIAGE "O Y 5 FROM "CLIM D BY ATC, FOR F NDARD INSTRUM APPENDIX E. SE Y 9 FROM "CLIM D BY ATC, FOR F NDARD INSTRUM APPENDIX E. SE Y 23 FROM "CLIM D BY ATC, FOR F NDARD INSTRUM APPENDIX E. SE Y 23 FROM "CLIM D BY ATC, FOR F NDARD INSTRUM APPENDIX E. SE Y 23 FROM "CLIM D BY ATC, FOR F NDARD INSTRUM APPENDIX E. SE Y 23 FROM "CLIM D BY ATC, FOR F NDARD INSTRUM APPENDIX E. SE Y 27 FROM "CLIM TURN AND LNAV JV-A MEMO "MAG ESTED TO ADD A TTF, KPTK, KVLL	NIMUMS, AND A IBERS FROM R 0/06/2022. KEOFF MINIMU E RENUMBERE 0KA MINIMUM C CON FILE TO NO BELOW 17,000" IEADING 275.73 MENT ALTITUDE G 275.72 TO 114 IGAGEMENT AL IGAGEMENT AL IGAGEMENT AL IGAGEMENT AL IGAGEMENT AL IGAGEMENT DEPARTU CTION 1.2.C.(7) MB ON HEADING RADAR VECTOF MENT DEPARTU CTION 1.2.C.(7) MB ON HEADING CADAR VECTOF MENT DEPARTU CTION 1.2.C.(7) MB ON HEADING AC ASSIGNED MB ON HEADING ATC ASSIGNED ATC ASSIGNED AND KMTC, CH	ARPORTS SERVED - AIRPOR WY 5R TO RWY 5 AND FROM MS AND RWY 25 CONTROLL D ON 02/10/2021. ROSSING ALTITUDE AND CH DT CHART IF ALTITUDE AND CH DT CHART IF ALTITUDE AND CH OT CHART IF ALTITUDE AND CH AND CHANGED TO READ "TO TO 1146, THEN ON HEADING TO TREQUIRED, SEGMENT 46, THEN ON HEADING 275.7 TITUDE NOT REQUIRED, SE D BY ATC" - KDTW HAS A NU 5 053.71 TO 1220, THEN LEFT RS TO" - CLIMB ON HEADING IRES AND GRAPHIC OBSTAC). 6 095.55 TO 1220, THEN LEFT RS TO" - CLIMB ON HEADING IRES AND GRAPHIC OBSTAC). 6 233.72 TO 1220, THEN ON I F ALTITUDE NOT REQUIRED, ION DOCUMENTATION FOR HEADINGS ON VM LEG; VER HANGED ATC ASSIGNED HEA	AT REMOVED FROM SID PEF I RWY 23L TO RWY 23 IN DP ING OBSTACLE - RUNWAY I ANGED VERBIAGE FROM " FIX FOR RADAR VECTORS D ZETTR" - REMOVED PER G 275.71 OR AS ASSIGNED F S CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENTS CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENTS CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENTS CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENTS CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENTS CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENTS CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA GMENT CHANGED FROM VA-VM L 1 OR AS ASSIGNED FOR RA SEGMENT CHANGED FROM STANDARD INSTRUMENT E BIAGE IAW FAAO 8260.46J A ADING VERBIAGE FROM "OF	RNAVCANADA REQUE ROUTE DESCRIPTIO S GOING TO BE DECO TO CROSS FLOKA AT ATC/NO LONGER REC FOR RADAR VECTORS EGS TO VM LEG; VEF DAR VECTORS" TO "(/A-VM LEGS TO VM LEG CHARTED FOR ALL RADAR VECTORS TO KDTW (7W/2020) TO I RES" DATED 07/15/202 R VECTORS TO TO "(A VA-VM TO VM LEG; DEPARTURES AND GF APPENDIX E. SECTIOI R VECTORS TO "TO "(A VA-VM TO VM LEG; DEPARTURES AND GF APPENDIX E. SECTIOI R AS ASSIGNED" TO "(ST. N AND TAKEOFF MINIMUMS - OMMISSIONED. OR ABOVE 4000" TO "TO QUIRED. S" TO "CLIMB ON HEADING RBIAGE IAW FAAO 8260.46J CLIMB ON HEADING 275.72 OR EG; VERBIAGE IAW FAAO RUNWAYS. O" TO "CLIMB ON HEADING KYIP (6W/1995) IAW AJV-A 22; ATC REQUESTED TO ADD O" TO "CLIMB ON HEADING KYIP (6W/1995) IAW AJV-A 22; ATC REQUESTED TO ADD O" TO "CLIMB ON HEADING KYIP (6W/1995) IAW AJV-A 22; ATC REQUESTED TO ADD CLIMB ON HEADING 232.72 OR CLIMB ON HEADING 232.72 OR CLIMB ON HEADING 232.72 OR CLIMB ON HEADING 274.56 OR CLIMB ON HEADING MAG VAR RAPHIC OBSTACLE N 1.2.C.(7). CLIMB ON HEADING MAG VAR RAPHIC OBSTACLE N 1.2.C.(7). DR AS ASSIGNED BY ATC", 8

16. TRANSTICK ROUTES, ADDEM NOCAS AND DELETED REMARK YMOCAS) NOT CHARTED PER AT REQUISET TO REDUCE CHART ELUTTER * MOCA REQUIRED LAW FAOE 828/41 JAPPENDIXE 6CTION 1.2.0.4. 10. MODED HAN INVESTIGATION FORM PROCEDURAL DATA NOTES TO PION REQUIREMENT NOTES AND DELETED YOTE * NEW YOOCUMENTATION FORMAT. 10. MODED HAN INVESTIGATION FORM PROCEDURAL DATA NOTES TO PION REQUIREMENT NOTES AND DELETED YOTE * NEW DOCUMENTATION FORMAT. 13. ADDITIONAL FLORT DATA ADDIED CHARAT SPECIFICION MAXIMUM 2008 ASA 71 WINKS************************************	<u>DP NAME</u> ZETTR	NUMBER FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
HECUREPTOTERNAY 1-DMECRETERN TO MERCETERN TO COLMENTATION FORMAT LWW 2004.01, 21-11;61(2). 19. ADDITIONAL FLIGHT DATA ANDER COLMERD TROM PROCEDURAL DATA NOTES TO SCUPENENT REQUIREMENT NOTES AND ELETED TOTE" - NEW DOCUMENTATION FORMAT. 19. ADDITIONAL FLIGHT DATA ANDER DELETERN TOTES TO EQUIPMENT REQUIREMENT NOTES AND ELETED TOTE" - NEW DOCUMENTATION FORMAT. 19. ADDITIONAL DATA NOTES TO ELETERN TOTES TO ENDITIENT TO COMPANY DEPENDATION COLMENTATION FORMAT. 19. ADDITIONAL FLIGHT DATA ANDER DELETERN TOTES TO FORMATS FROM "TO FTERN NUT TO TITAN" - NEW FORMAT. 20. TAKEOFT MINIMUMS, CHANGED ALL, LUBIG GRADENT FORMATS FROM "TO FTERN NUT TO TITAN" - NEW FORMAT. 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21 FROM "500 FTER NUT TO 20 TANDARD" - CARLY TURN AND LUAV ENGAGEMENT CG NOT REQUIRED. LOWERED TO 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21 FROM "500 FTER NUT TO 20 TANDARD TAKEOFT MINIMUMS. 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21, FROM "500 FTER NUT TO 20 TANDARD TAKEOFT MINIMUMS. 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21, FROM "500 FTER NUT TO 20 TANDARD TAKEOFT MINIMUMS. 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21, FROM "500 FTER NUT TO 20 TANDARD TAKEOFT MINIMUMS. 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21, FROM "500 FTER NUT TO 20 TANDARD TAKEOFT MINIMUMS. 20. TAKEOFT MINIMUMS, CHANGED KUTP RWY 21, FLIGHT RUM 24 FTER NUT D2 35 FTIMAT TO 421451 SUN0835114 #W (MOYED 22 ST FT NORTHWEST). 20. DORTROLLING OBSTACLES, RUP RWY 21, CHANGE DORTROLLING OBSTACLES MANDATING FROM 421431 TAKEOFT MINIMUMS. 20. CONTROLLING OBSTACLES, RUP RWY 21, CHANGED CONTROLLING OBSTACLES MANDATING OR ROUTE DEVELOPMENT - G IS STANDARD TAKEOFT MINIMUMS. 20. CONTROLLING OBSTACLES, RUP RWY 21, CHANGED CONTROLLING OBSTACLES MANDATING OR ROUTE DEVELOPMENT - G IS STANDARD MARY (MOYED 2.2 ST FT NORTHWEST). 20. ODTROLLING OBSTACLES, RUP RWY 21, CHANGED CONTROLLING OBSTACLE STANDARD TAKENTY TO 24 151 SUN0835114 #W (MOYED 2.2 ST FT NORTHWEST). 20. ODTROLLING OBSTACLES, RUP RWY 21, CHANGED CONTROLLING OBSTACLE STANDARD TAKENTY TO 24 21531 SUN083	SECTION 1.2.D.(8).	,				
 a) Proceedural, DATA NOTES, DELETED NOTE: RDTWINVIP DEPARTURES: IF UNABLE TO ACCEPT 500 FT PER NM CLIMB RATE, ADVISE CLEARANCE DELIVERY ON INITIAL CONTACT - ATC REQUEST. a) TAKCOFF MINIMUMS, CHANGED ALL CLIMB GRADIENT FORMATS FROM 'TT PER NM 'TO 'TTNM' - NEW FORMAT. a) TAKCOFF MINIMUMS, CHANGED KUTK MWY, ZI AND ZR FROM '500 FT PER NM 'TO 142' TO 'STANDARD' - ARLY TURN AND LNAV ENGAGEMENT CG NOT REQUIRED, LOWERED TO CONTROLLING OBSTACLE SANDARD'. b) TAKCOFF MINIMUMS, CHANGED KUTK MWY, ZI '- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21'- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21'- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21'- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21'- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21'- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21'- LISTED RUNWAYS AUTHORIZED STANDARD TAKCOFF MINIMUMS. c) TAKCOFF MINIMUMS, CHANGED KWY 3, 21 CLIMB GRADIENT FROM 324 FT PER NM TO 235 FTNM - UPDATE DC ALCULATIONSCONTROLLING OBSTACLE SANDA TO AUTHORY 3''''''''''''''''''''''''''''''''''''	REQUIRED" TO "RNAV 1 - DME/DME/IRU OR GPS" - NEW PBN DOCUMENTA	TION FORMAT I	AW 8260.46J, 2-1-1.F.(6).(C).1		V 1" AND "NOTE:	DME/DME/IRU OR GPS
 TAREOFF INNIMUMS, CHANGED KOTIV RWY 27, AND 27R FROM '500 FT PER NM TO 1146' TO 'STANDARD' - EARLY TURN AND LNAV ENGAGEMENT OG NOT FEQUIRED. LOWERED TO (SSTALLE SAREO FG. NUMMINS, CHANGED KYIP RWY 23, FROM '500 FT PER NM TO 1220' TO 'STANDARD' AND RWY 27 FROM '500 FT PER NM TO 1220' TO '208 FT/NM TO 1000' - EARLY TURN AND LNAV ENGAGEMENT CG NOT REQUIRED. LOWERED ON OBSTALLE SAREO GG. NUMMINS, CHANGED KYIP RWY 23, 11' - LISTED RUMANS AL HURDRED STANDARD TAKEOFF INNIMUMS. TAKEOFF INNIMUMS, CHANGED KYIP RWY 23, 11' - LISTED RUMANS AL HURDRED STANDARD TAKEOFF INNIMUMS. TAKEOFF INNIMUMS, CHANGED KYIT RWY 19, CLMB GRADIENT FROM 234 FT PER NM TO 236 FT/NM - UPDATED CALCULATIONS/CONTROLLING OBSTALLE SAME - CHANGED FROM 5D TO 4D OF STALLE DATA TEAM. TAKEOFF INNIMUMS, CHANGED KYIT RWY 17, CHANGED CONTROLLING OBSTAULCES NADARD' AND RUY 236 FT RM UPDATED CALCULATIONS/CONTROLLING OBSTALLE SAME - CHANGED FROM 5D TO 4D OF STALLE DATA. TEAM. CONTROLLING OBSTALLES, KYIP RWY 27, CHANGED CONTROLLING OBSTAUCES MANDATING OP ROUTE DEVELOPMENT' - C0 IS STANDARD' AND REYNEEST). UPDATED OBSTALLES, KYIE RWY 27, CHANGED CONTROLLING OBSTAUCES MANDATING OP ROUTE DEVELOPMENT' - C0 IS STANDARD' OBSTALLE SAME - CHANGED FROM 200 (CGTA) TO 208 FT/MS. LIDIO OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES FRANDARD'. CONTROLLING OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES FRANDARD'. CONTROLLING OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES FRANDARD'. CONTROLLING OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES FRANDARD'. CONTROLLING OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES FRANDARD'. SADDITONA LING CONTROLLING OBSTALLES MANDATING ODP ROUTE DEVELOPMENT. CONTROLLING OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES MANDATING ODP ROUTE DEVELOPMENT. CONTROLLING OBSTALLES, KWIE RWY 20, CHANGED CONTROLLING OBSTALLES MANDATING ODP ROUTE DEV	20. PROCEDURAL DATA NOTES, DELETED "NOTE: KDTW/KYIP DEPARTURE					
ENGLOBEMENT CG NOT REQUIRED; LOWERED TO OBSTACLE-BASED CG. 24. TAKEOFF MINIMUMS, KTZ, ADDED TWY 13, 31°-LISTED RUNWAYS AUTHORIZED STANDARD TAKEOFF MINIMUMS. 25. TAKEOFF MINIMUMS, KOZW, ADDED TWY 13, 31°-LISTED RUNWAYS AUTHORIZED STANDARD TAKEOFF MINIMUMS. 26. TAKEOFF MINIMUMS, KOZW, ADDED TWY 13, 31°-LISTED RUNWAYS AUTHORIZED STANDARD TAKEOFF MINIMUMS. 27. CONTROLLING OBSTACLES, KVIP RWY 27. CHANGED CONTROLLING OBSTRUCTION LATLONG FROM 421431.78N/0833411.47W TO 421431.80N/0833411.49W (MOVED 2.52 FT NORTHWEST) - UPDATED OBSTACLE DATA. 28. CONTROLLING OBSTACLES, KVIP RWY 27. CHANGED CONTROLLING OBSTRUCTION LATLONG FROM 421431.78N/0833411.47W TO 421431.80N/0833411.49W (MOVED 2.52 FT NORTHWEST) - UPDATED OBSTACLES, KVIE, KVIP, RWY 27. CHANGED CONTROLLING OBSTRUCTION LATLONG FROM 421431.78N/0833411.47W TO 421431.80N/0833411.49W (MOVED 2.52 FT NORTHWEST) - UPDATED OBSTACLES, KVIE, MOT, ADDED VERBIAGE TO RWY 33 'OBSTACLES MANDATING ODP ROUTE DEVELOPMENT' - CG IS STANDARD/OBSTACLES IS REASON FOR EXTENDED ICA/IAW FAMO 3800.401.APPENDVE SECTION 1.2.1/3). 30. CONTROLLING OBSTACLES, KVIE, MWY 28, CHANGED CONTROLLING OBSTACLES MANDATING ODD ROUTE DEVELOPMENT. 29. CONTROLLING OBSTACLES, KVIE, JADDED 'OBSTACLES MANDATING ODP ROUTE DEVELOPMENT. RWY 10, 28: 1724 FT MSL TOWER 422858.40N/0831218.94W' - THIS OBSTACLE IS REASON FOR 29. CONTROLLING OBSTACLES, KVIE, JADDED 'OBSTACLES MANDATING ODP ROUTE DEVELOPMENT. RWY 10, 28: 1724 FT MSL TOWER 422858.40N/0831218.94W' - THIS OBSTACLE IS REASON FOR 29. CONTROLLING OBSTACLES, KVIE, JADDED 'OBSTACLES MANDATING ODP ROUTE DEVELOPMENT. RWY 10, 28: 1724 FT MSL TOWER 422858.40N/0831218.94W' - THIS OBSTACLE IS REASON FOR 29. CONTROLLING OBSTACLES, KVIE, JADDED 'OBSTACLES MANDATING ODP ROUTE DEVELOPMENT. RWY 10, 28: 1724 FT MSL TOWER 422858.40N/0831218.94W' - THIS OBSTACLE IS REASON FOR 29. CONTROLLING OBSTACLES, KVIE, MAGNETO WARDED CHARLES AND DOTATE KED TOTAL TOWER 422858.40N/0831218.94W' - THIS OBSTACLE IS REASON FOR 20. CONTROLLING OBSTACLES, KVIE, MAGNETO WARDED CHARLES	22. TAKEOFF MINIMUMS, CHANGED KDTW RWY 27L AND 27R FROM "500 FT			TURN AND LNAV ENGAGEMEN	T CG NOT REQUI	RED; LOWERED TO
 12. TAKEOFF MINIMUMS, KOZW, ADDED 'RWY 13, 31"- USTED RUMWAYS AUTHORIZED STANDARD TAKEOFF MINIMUMS. 12. TAKEOFF MINIMUMS, CHANGED KMT RAY 19 CLIMB GRADIENT FROM 24 FT FER MIN TO 255 FT/IN - UPDATED CALCULATIONS/CONTROLLING OBSTACLE SAME - CHANGED FROM 5D TO 4D BY OBSTACLE DATA. 12. CONTROLLING OBSTACLES, KVIP RWY 27. CHANGED CONTROLLING OBSTRUCTION LATLONG FROM 421431.781/0833411.47W TO 421431.801/0833411.47W (MOVED 2.52 FT NORTHWEST)-UPDATED OSSTACLE DATA. 12. CONTROLLING OBSTACLES, KUP, DEDU VERBIAGE TO RWY 33 'OBSTACLES MANDATING ODP ROUTE DEVELOPMENT' - CG IS STANDARD/OBSTACLE IS REASON FOR EXTENDED ICALING OBSTACLES. 12. CONTROLLING OBSTACLES, KULL RWY 10. DELETED CONTROLLING OBSTACLE CO IS STANDARD. 13. CONTROLLING OBSTACLES, KULL RWY 10. DELETED CONTROLLING OBSTACLE CO IS STANDARD. 14. CONTROLLING OBSTACLES, KULL ADDED VERBIAGE TO RWY 33 'OBSTACLE CO IS STANDARD. 15. CONTROLLING OBSTACLES, KULL ADDED VERBIAGE TO RWY 30 'DBSTACLE CO IS STANDARD. 14. CONTROLLING OBSTACLES, KULL ADDED VERBIAGE TO RWY 30 'DBSTACLE CO IS STANDARD. 15. CONTROLLING OBSTACLES, KULL ADDED 'DBSTACLES MANDATING ODP ROUTE DEVELOPMENT: TO TACIT MUSSICAS 50 (CG), 1749 FT MSL TOWER 422558.000/0811218.00W (CGTA) TO CONTROLLING OBSTACLES AUXIANTION ADDE PARTURE MAS MD DEGA 22234.201/0831/28.50 (CG), 1749 FT MSL TOWER 422558.400/0831/218.00W (CGTA) TO CONTROLLING OBSTACLES AUXIANTION ADDE DESTACLE DEVELOPMENT: RWY 10, 28: 1724 FT MSL TOWER 42258.4600/0831/218.94W' - THIS OBSTACLE IS REASON FOR EXTENDED VICUNAL PLOYADARD. 13. ADDED MSA AT ALL ARPORTS - REQUIRED IAW FAAO 8220.431 APPENDIX E. SECTION 1.2.K. 14. ADDETONAL FLIGHT DATA. MARCHT RAMM 'MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE AUP' TO 'AUTOPART MY. DY (P) YU2020' TO 'ARPORT MY. DY (P) YU2020' TO 'AUTOPART MARCHT RAM' RESCHARD TOY	ENGAGEMENT CG NOT REQUIRED; LOWERED TO OBSTACLE-BASED CG.				09 FT/NM TO 1000)" - EARLY TURN AND LNAV
 17. CONTROLLING OBSTACLES, KVIP RWY 27, CHANGED CONTROLLING OBSTRUCTION LAT/LONG FROM 421431.78N/0833411.47W TO 421431.80N/0833411.49W (MOVED 2.52 FT NORTHWEST)-UPDATED OSTACLES STALES ANADATING ODP ROUTE DEVELOPMENT* - CG IS STANDARD/OBSTACLE IS REASON FOR EXTENDED ICA/AWF ADA 280643 APPENDIX E SECTION 1.21(3). 29. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLE 5 (SI STANDARD). 31. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLE 5 (SI STANDARD). 32. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLE 5 (SI STANDARD). 33. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLE 5 (SI STANDARD). 34. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLE 5 (SI STANDARD). 35. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING ODP ROTTE DEVELOPMENT: RWY 10, 28: 1724 FT MSL TOWER 422558.46N0831218.94W* - THIS OBSTACLE IS REASON FOR EXTENDED OF STANL EXTENDED CONTROLLING ODSTACLES (SI STANDARD). 35. ADDED MSA AT ALL AIRPORTS. REQUIRED IWW FAAO 8260.46J.APPENDIX E SECTION 12.4(3). 34. ADDITONAL, FLIGHT DATA, MAGNET CURATITON GODE FOR ALL AIRPORTS AND UPDATED KDTW FORMAT FROM "REFERENCE MAG VAR; KDTW 7W2020" TO "AIRPORT MY: DTW (P) TW/2020" TO "AIRPORT SAND DCAUMENTED IAW AVA- MEMO "MAGNETIC VARIATION DOCUMENTATION FOR TANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROVIDE LEXEST DATE DISTOLUTE TO ALTITUDE: TOYO" AND FROM TAIL OHTER AIRPORTS SCHART: TOP ALTITUDE: TOYO" AND FROM TAIL OHTER AIRPORTS CHART: TOP ALTITUDE: TOYO" TO "AIRPORT MAN UPPENDIX E. SECTION 1.2, M, ANGE AND CHARGES AND CHARGED FROM 'KDTW CHART: TOP ALTITUDE: ASSIGNED BY ATC" TO ALL THUSE: TOTO AND THE MAIN AND ASSIGNED BY ATC" TO ALL THUSE: TOTO AND THE MAIN AN	25. TAKEOFF MINIMUMS, KOZW, ADDED "RWY 13, 31." - LISTED RUNWAYS A 26. TAKEOFF MINIMUMS, CHANGED KMTC RWY 19 CLIMB GRADIENT FROM	UTHORIZED S	TANDARD TAKEOFF MINIMUN	MS.	DBSTACLE SAME	- CHANGED FROM 5D TO 4D
 FAAO 8260.46J APPENDIX E SECTION 12.2.(3). 29. CONTROLLING OBSTACLES, KONZ, DELETED CONTROLLING OBSTACLE - OG IS STANDARD. 30. CONTROLLING OBSTACLES, KVLL RWY 10, DELETED CONTROLLING OBSTACLE - OG IS STANDARD. 31. CONTROLLING OBSTACLES, KVLL RWY 10, DELETED CONTROLLING OBSTACLE - SEROM 940 FT MSL BLDG 423234.20N0831235.50 (CG), 1749 FT MSL TOWER 422858.00N08312319.00W (CGTA) TO 905 FT MSL BUILDING 423232.54N0831234 07W - UPDATED OBSTACLE E VALUATION AND RETAINED CG AND CGTA TO MATCH PUBLISHED OP AND REDUCE PLOT CONFUSION. 32. CONTROLLING OBSTACLES, KVLL ADDED 'OSSTACLE E VALUATION AND RETAINED CG AND CGTA TO MATCH PUBLISHED OP AND REDUCE PLOT CONFUSION. 33. ADDED DOBOT OSSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10, 28: 1724 FT MSL TOWER 422858.46N0831218.94W" - THIS OBSTACLE IS REASON FOR EXTENDED LCAIMY FAAO 8290.46J APPENDIX E. SECTION 12.2.(3) 34. ADDDITONAL FLIGHT DATA, MAGNETIC VARIATION ADDED FOR ALL AIRPORTS AND UPDATED KDTW FORMAT FROM "REFERENCE MAG VAR; KDTW TW/2020" TO "AIRPORT MV: DTW (P) TW/2020" - REQUIRED TATE VARIATION ADDED FOR ALL AIRPORTS AND UPDATED KDTW FORMAT FROM "NOTW CHART: TOP ALTITUDE: TOP ALTITUDE: TOP ALTITUDE TOP ALTITUDE: ASSIGNED BY ATC' FORMAT FWY FAO 8260.440 APPENDIX E. SECTION 12.0. 36. ADDITIONAL FLIGHT DATA, UPDATED TO REMARKS AND CHANGED FROM 'KDTW CHART: TOP ALTITUDE: ASSIGNED BY ATC' FORMAT TWY FAO 8260.440 APPENDIX E. SECTION 12.0. 37. ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM 'KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP' TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP' TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS IN RNAV BEPARTURE AAUP' TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS IN RNAV BEPARTURE AAUP' TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS IN AAUP' TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENT	27. CONTROLLING OBSTACLES, KYIP RWY 27, CHANGED CONTROLLING OF	BSTRUCTION LA	AT/LONG FROM 421431.78N/0	833411.47W TO 421431.80N/083	3411.49W (MOVEI	D 2.52 FT NORTHWEST) -
 CONTROLLING OBSTACLES, KVLL RWY 10, DELETED CONTROLLING OBSTACLE - CG IS STANDARD. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLE STROM 940 FT RIS. BLDG 42324 201/083123 50 (CG), 1749 FT MSL TOWER 422858 00N/0831218.94W* - THIS OBSTACLE EVALUATION AND RETAINED CG AND CGTA TO MATCH PUBLISHED ODP AND REDUCE PLOT CONFUSION. CONTROLLING OBSTACLES, KVLL AND DED *0DSTACLE EVALUATION AND RETAINED CG AND CGTA TO MATCH PUBLISHED ODP AND REDUCE PLOT CONFUSION. CONTROLLING OBSTACLES, KVLL AND DED *0DSTACLE SECTION 12.2.(3). ADDITIONAL FLIGHT DATA, MAGNETIC VARIATION ADDED FOR ALL AIRPORTS AND UPDATED KDTW FORMAT FROM "REFERENCE MAG VAR; KDTW TW/2020" TO *AIRPORT MV: DTW (P) 7W2020" - REQUIRED AUL ARRORTS. FCMIDED 101/J.W. ADDITIONAL FLIGHT DATA, UPDATED TOP ALTITUDE FORMAT FROM "KDTW CHART: TOP ALTITUDE 17000" TO "DETROIT METRO WAYNE COUNTY - CHART: TOP ALTITUDE: 17000" AND FROM *ALD THE MRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC' TO "ALL OTHER TOP ALTITUDE: ASSIGNED BY ATC' TO RAND. ARRONG AUXIES AND GRAVAL APPENDIX E. SECTION 1.2. ADDITIONAL FLIGHT DATA, UPDATED TOP ALTITUDE: FORMAT FROM "KDTW CHART: TOP ALTITUDE: ASSIGNED BY ATC' TO RAND. THAN 8260.461, APPENDIX E. SECTION 1.2. ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM *KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP' TO *KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP' TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP' - 100 CMATT AND REDUCE TOWN AND YOUR' CTO "ALL OTHER TO YAL OTHER O' TO "ALL OTHER TO YAL OTHER AUXIES" - IAW 8260.461, 2+1+E, (4), (B). ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM *KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP' TO *KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP' - 100 CMANT AND YEE RETOR TO NARGE TO YAL OTHER TO YAL OTHER COUNTRY - INFORMATION ONLY IAW 8260.461, APPENDIX E, 2.0. ADDITIONAL FLI	FAAO 8260.46J APPENDIX E.SECTION 1.2.J.(3).			MENT" - CG IS STANDARD/OBS	TACLE IS REASO	N FOR EXTENDED ICA/IAW
 22. CONTROLLING OBSTACLES, KVLL, ADDED "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT: RWY 10, 28: 1724 FT MSL TOWER 422858.46N/0831218.94W" - THIS OBSTACLE IS REASON FOR EXTENDED LOXIAW FAAO 8260.46J.PPENDIX E. SECTION 1.2.(I). 33. ADDED MSA AT ALL AIRPORTS - REQUIRED IAW FAAO 8260.46J.PPENDIX E. SECTION 1.2.K. 34. ADDITIONAL FLIGHT DATA, MAGNETIC VARIATION ADDED FOR ALL AIRPORTS AND UPDATED KDTW FORMAT FROM "REFERENCE MAG VAR; KDTW 7W/2020" TO "AIRPORT MY: DTW (P) 7W/2020" - REQUIRED ALL AIRPORTS AND DOCUMENTED IAW AJV-A MEMO "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES" DATED 07/15/2022. 35. ADDITIONAL FLIGHT DATA, UPDATED TOP ALTITUDE FORMAT FROM "KDTW CHART: TOP ALTITUDE 17000" TO "DETROIT METRO WAYNE COUNTY - CHART: TOP ALTITUDE: TOTO" AND FROM "ALL OTHER AIRPORTS CHART: TOP ALTITUDE: ASSIGNED BY ATC" TO "ALL OTHER AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC" FORMAT IAW FAAO 8260.46J APPENDIX E. SECTION 1.2. M.(B). 36. ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM "KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP" TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP." - LAW 8260.46J, APPENDIX E, 2.Q (3). 37. ADDITIONAL FLIGHT DATA: ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WIRRS" - LW 8260.46J, 2+1+E.(4),(B). 36. ANDITIONAL FLIGHT DATA: ADDED "CHART: SPENDIX E, 2.Q (1). 37. ADDITIONAL, FLIGHT DATA: ADDED "CHART: SHAMIMUM CONSENGE ALTITUDE AT IIF FOR RADAR VECTORS" - INFORMATION ONLY IAW W8260.46J, APPENDIX E, SECTION 1.2.C. 40. REWARKS, ADDED "OHAT: AND DELETED NUMPERT THE TO HEGKLIST' - INFORMATION ONLY IAW W8260.46J, APPENDIX E, 2.Q. 41. REMARKS, ADDED WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW 1AW 8260.46J, APPENDIX E, 2.Q. 41. REMARKS, ADDED WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR	30. CONTROLLING OBSTACLES, KVLL RWY 10, DELETED CONTROLLING OB	STACLE - CG IS	S STANDARD.	20N/0831235.50 (CG), 1749 FT M	SL TOWER 42285	8.00N/0831219.00W (CGTA) TO
 ADDED MSA AT ALL AIRPORTS - REQUIRED IAW FAAO 8260 ÁG APPENDIX E. SECTION 1.2.K. ADDITIONAL FLIGHT DATA, MAGNETIC VARIATION ADDED FOR ALL AIRPORTS AND UPDATED KDW FORMAT FROM "REFERENCE MAG VAR; KDTW 7W/2020" TO "AIRPORT MV: DTW (P) 7W/2020" - REQUIRED ALL AIRPORTS AND DOCUMENTED IAW AJV-A MEMO "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES" DATED 07/15/2022. ADDITIONAL FLIGHT DATA, UPDATED TOP ALTITUDE FORMAT FROM "KDTW CHART: TOP ALTITUDE 17000" TO "DETROIT METRO WAYNE COUNTY - CHART: TOP ALTITUDE: 17000" AND FROM "ALL OTHER AIRPORTS CHART: TOP ALTITUDE: ASSIGNED BY ATC" TO "ALL OTHER AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC" FORMAT IAW FAAO 8260.46J APPENDIX E. SECTION 1.2. M(B). ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM "KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP" TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" - IAW 8260.46J, APPENDIX E, 2.Q. (3). ADDITIONAL FLIGHT DATA: ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2-1-1.E.(4).(B). ADRORTS SERVED, DELETED AIRPORT NAMES - NAMES NO LONGER REQUIRED. COMMUNICATIONS, ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2-1-1.E.(4).(B). COMMUNICATIONS, ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2-1-1.E.(4).(B). COMMUNICATIONS, ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, APPENDIX E, SECTION 1.2.O. COMMUNICATIONS, ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, APPENDIX E, 2.Q. REMARKS, ADDED "UN PETTED AIRPORT NAMES - NAMES NO LONGER REQUIRED. COMMUNICATIONS, ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, APPENDIX E, 2.Q. REMARKS, ADDED TUN ALVER ON FILE; TP 'OCTOR' - INFORMATION ONLY IAW 14W 8260.46J, APPENDIX E, 2.Q. REMARKS, ADDED TO NA TIMUM WEGE	32. CONTROLLING OBSTACLES, KVLL, ADDED "OBSTACLES MANDATING OI					
 PROCEDURES" DATED 07/15/2022. 35. ADDITIONAL FLIGHT DATA, UPDATED TOP ALTITUDE FORMAT FROM "KDTW CHART: TOP ALTITUDE 17000" TO "DETROIT METRO WAYNE COUNTY - CHART: TOP ALTITUDE: 1700" AND FROM "ALL OTHER AIRPORTS CHART: TOP ALTITUDE: ASSIGNED BY ATC" TO "ALL OTHER AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC" FORMAT IAW FAAO 8260.46J APPENDIX E. SECTION 1.2. M(B). 36. ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM "KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP" TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" - IAW 8260.46J, APPENDIX E. 2.Q. (3). 37. ADDITIONAL FLIGHT DATA: ADDED 'OHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2.1-1.E. (4).(B). 38. AIRPORTS SERVED, DELETED AIRPORT NAMES - NAMES NO LONGER REQUIRED. 39. COMMUNICATIONS, ADDED 'CHART: "AND DELETED 'DEP CON'.' VERBIAGE REQUIRED AND DEP CON CHARTED AUTOMATICALLY IAW 8260.46J APPENDIX E. SECTION 1.2.O. 40. REMARKS, ADDED 'WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW 1400 8260.46J, APPENDIX E, 2.Q. 41. REMARKS, ADDED 'WAIVER ON FILE: AFS-420 MEMORANDUM 'WAIVER TO FAA ORDER 8260.55C PARAGRAPH 1-2-5.C. (3), MAXIMUM BANK ANGLE' DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT TANKO; REQUIRED FOR NDTW, KYNF, KARB, KONZ, KOZW, KITT" - INFORMATION ONLY IAW 1400 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED 'WAIVER ON FILE: TON APPLIED AT FLOKAR - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q.(3). 45. REMARKS, ADDED 'KDTW CHART MAPLIED AT FLOKAR - INFORMATION ONLY IAW WA8260.46J, APPENDIX E, 2.Q.(3). 46. REMARKS, ADDED 'KAURT MAPPLIED AT FLOKAR - INFORMATION ONLY IAW WA8260.46J, APPENDIX E, 2.Q.(3). 47. REMARKS, ADDED 'KDTW CHART MAPPLIED AT FLOKAR - INFORMATION ONLY IAW MA8260.46J, APPENDIX E, 2.Q.(3). 48. REMARKS, ADDED 'KDTW CHART MAPPLIED AT FLOKAR - INFORMATION ONLY IAW MA8260.46J, APPENDIX E, 2.Q.(3). 46. REMARKS, ADD	33. ADDED MSA AT ALL AIRPORTS - REQUIRED IAW FAAO 8260.46J APPENE 34. ADDITIONAL FLIGHT DATA, MAGNETIC VARIATION ADDED FOR ALL AIRF	PORTS AND UP	DATED KDTW FORMAT FROM	,		
 *ALL OTHER AIRPORTS CHART: TOP ALTITUDE: ASSIGNED BY ATC" TO "ALL OTHER AIRPORTS - CHART: TOP ALTITUDE: ASSIGNED BY ATC" FORMAT IAW FAAO 8260.46J APPENDIX E. SECTION 1.2. M(B). 36. ADDITIONAL FLIGHT DATA, MOVED TO REMARKS AND CHANGED FROM "KDTW CHART: SEE ADDITIONAL REQUIREMENTS IN RNAV DEPARTURE AAUP" TO "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" - IAW 8260.46J, APPENDIX E. 2.0.(3). 37. ADDITIONAL FLIGHT DATA: ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2-1-1.E.(4).(B). 38. AIRPORTS SERVED, DELETED AIRPORT NAMES - NAMES NO LONGER REQUIRED AND DEP CON CHARTED AUTOMATICALLY IAW 8260.46J, APPENDIX E. SECTION 1.2.O. 40. REMARKS, ADDED "CHART: "AND DELETED "DEP CON" - VERBIAGE REQUIRED AND DEP CON CHARTED AUTOMATICALLY IAW 8260.46J, APPENDIX E. SECTION 1.2.O. 41. REMARKS, ADDED "WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 42. REMARKS, ADDED "WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 8260.86C PARAGRAPH 1-2-5.C. (3), MAXIMUM BANK ANGLE" DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT TENTKO; REQUIRED FOR KDTW, KYIP, KARB, KONZ, KOZW, KTTF" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDIY WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 260.58C PARAGRAPH 1-2-5.C. (3), MAXIMUM BANK ANGLE" DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT TENTKO; REQUIRED FOR KDTW, KYIP, KARB, KONZ, KOZW, KTTF" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDIY WANT NOLE SE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q. 45. REMARKS, ADDED "KDIY WINY 31, 38, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQ	PROCEDURES" DATED 07/15/2022.					
REQUIREMENTS ON AAUP" - IAW 8260.46J, APPENDIX E, 2.Q.(3). 37. ADDITIONAL FLIGHT DATA: ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2-1-1.E.(4).(B). 38. AIRPORTS SERVED, DELETED AIRPORT NAMES - NAMES NO LONGER REQUIRED. 39. COMMUNICATIONS, ADDED "CHART." AND DELETED "DEP CON" - VERBIAGE REQUIRED AND DEP CON CHARTED AUTOMATICALLY IAW 8260.46J APPENDIX E. SECTION 1.2.O. 40. REMARKS, ADDED "UNIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE THE FOR RADAR VECTORS" - INFORMATION ONLY IAW 14W 8260.46J, APPENDIX E, 2.Q. 41. REMARKS, ADDED "WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 8260.58C PARAGRAPH 1-2-5.C.(3), MAXIMUM BANK ANGLE" DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT ZETTR; AND 16 DEGREE BANK ANGLE APPLIED AT TANKO; REQUIRED FOR KDTW, KYIP, KARB, KONZ, KOZW, KTTF" - INFORMATION ONLY IAW 14W 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KOTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES" - INFORMATION ONLY IAW WAV 8260.46J, APPENDIX E, 2.Q. 46. REMARKS, ADDED "KDTW RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES" - INFORMATION ONLY IAW WAV 8260.46J, APPENDIX E, 2.Q. 47. REMARKS, ADDED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER"	"ALL OTHER AIRPORTS CHART: TOP ALTITUDE: ASSIGNED BY ATC" TO "ALI M.(B).	L OTHER AIRPO	ORTS - CHART: TOP ALTITUD	E: ASSIGNED BY ATC" FORMAT	IAW FAAO 8260.4	6J APPENDIX E. SECTION 1.2.
 39. COMMUNICATIONS, ADDED "CHART:" AND DELETED "DEP CON" - VERBIAGE REQUIRED AND DEP CON CHARTED AUTOMATICALLY IAW 8260.46J, APPENDIX E. SECTION 1.2.0. 40. REMARKS, ADDED "100 FT MAXIMUM VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 41. REMARKS, ADDED "WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 42. REMARKS, ADDED "WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 8260.58C PARAGRAPH 1-2-5.C. (3), MAXIMUM BANK ANGLE" DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT ZETTR; AND 16 DEGREE BANK ANGLE APPLIED AT TANKO; REQUIRED FOR KDTW, KYIP, KARB, KONZ, KOZW, KTTF" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q.(3). 45. REMARKS, ADDED "KDTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 46. REMARKS, ADDED "KNIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 47. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 49. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION	REQUIREMENTS ON AAUP" - IAW 8260.46J, APPENDIX E, 2.Q.(3).				AUP" TO "KDTW (HART NOTE: SEE ADDITIONAL
 41. REMARKS, ADDED "WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 42. REMARKS, ADDED "WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER TO FAA ORDER 8260.58C PARAGRAPH 1-2-5.C.(3), MAXIMUM BANK ANGLE" DATED 01/31/2023 - 16 DEGREE BANK ANGLE APPLIED AT ZETTR; AND 16 DEGREE BANK ANGLE APPLIED AT TANKO; REQUIRED FOR KDTW, KYIP, KARB, KONZ, KOZW, KTTF" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "45 DEGREE TURN APPLIED AT FLOKA" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q.(3). 45. REMARKS, ADDED "KDTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 46. REMARKS, ADDED "KYIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 47. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 	39. COMMUNICATIONS, ADDED "CHART:" AND DELETED "DEP CON" - VERBI	AGE REQUIREI				TION 1.2.O.
 44. REMARKS, ADDED "45 DEGREE TURN APPLIED AT FLOKA" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q.(3). 45. REMARKS, ADDED "KDTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 46. REMARKS, ADDED "KYIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 47. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 	41. REMARKS, ADDED "WAIVER ON FILE: TO NOT CHART MINIMUM CROSSI 42. REMARKS, ADDED "WAIVER ON FILE: AFS-420 MEMORANDUM "WAIVER	NG ALTITUDE A TO FAA ORDEF	T IF FOR RADAR VECTORS" R 8260.58C PARAGRAPH 1-2-5	- INFORMATION ONLY IAW IAW 5.C.(3), MAXIMUM BANK ANGLE	8260.46J, APPEN DATED 01/31/202	3 - 16 DEGREE BANK ANGLE
IAW 8260.46J, APPENDIX E, 2.Q. 46. REMARKS, ADDED "KYIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 47. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 44. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q.	44. REMARKS, ADDED "45 DEGREE TURN APPLIED AT FLOKA" - INFORMATI 44. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENT ADDITIONAL REQUIREMENT	ION ONLY IAW	IAW 8260.46J, APPENDIX E, 2 AND REMOVED FROM ADDIT	.Q. IONAL FLIGHT DATA - IAW 8260).46J, APPENDIX E	E, 2.Q.(3).
47. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q. 48. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW IAW 8260.46J, APPENDIX E, 2.Q. 04/09/2024; THIS IS A CORRECTED CODY OF THE FORM APPROVED ON 01/26/2024	IAW 8260.46J, APPENDIX E, 2.Q.					
04/09/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/26/2024. DP ROUTE DESCRIPTION: GROSSE ILE MUNI (KONZ) - DELETE THE DUPLICATION "THEN ON TRAC 049.05 TO ZETTER" FROM 16 INSTRUCTIONS.	47. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - IN	NFORMATION C	NLY IAW 8260.46J, APPENDI	X E, 2.Q.		,
DP ROUTE DESCRIPTION: GROSSE ILE MUNI (KONZ) - DELETE THE DUPLICATION "THEN ON TRAC 049.05 TO ZETTER" FROM 16 INSTRUCTIONS.	04/09/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/	26/2024.				QUALITY
		CATION "THEN (ON TRAC 049.05 TO ZETTER"	FROM		16 Styleckter

FEDERAL AVIATION ADMINISTRATION FLIGHT STANDARDS SERVICE DEPARTURE (DATA RECORD)

DP NAME ZETTR						NUMBER FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUDE	SPEED	REMARKS	
	DETROIT METRO WAYNE COUNTY (KDTW)									
RW03L (AER)	421228.21N/0832104.39W	Ν	-	-	-	-				
1146 MSL		-	-	VA	028.71		AT/ABOVE 1146		CG 500 FT PER NM TO	D 1146
DCATS	422712.00N/0831009.17W	Y	FB	DF			AT/BELOW 7000			
NILSN	423328.65N/0830552.66W	Y	FB	TF	026.72	7.03	AT/BELOW 11000			
FLOKA	424727.13N/0825218.92W	Y	FB	TF	035.53	17.18				
RW03R (AER)	421144.21N/0832106.49W	N	-	-	-	-				
1146 MSL		-	-	VA	028.71		AT/ABOVE 1146		CG 500 FT PER NM TO	D 1146
BURPZ	421517.69N/0831829.10W	Y	FB	DF						
DCATS	422712.00N/0831009.17W	Y	FB	TF	027.39	13.41	AT/BELOW 7000			
NILSN	423328.65N/0830552.66W	Y	FB	TF	026.72	7.03	AT/BELOW 11000			
FLOKA	424727.13N/0825218.92W	Y	FB	TF	035.53	17.18				
RW04L (AER)	421207.82N/0832302.40W	Ν	-	-	-					
1146 MSL		-	-	VA	028.68		AT/ABOVE 1146		CG 500 FT PER NM TO	D 1146
MINDY	421559.47N/0832011.78W	Y	FB	DF						
KKELL	422730.48N/0831053.34W	Y	FB	TF	030.88	13.42	AT/BELOW 7000			
NILSN	423328.65N/0830552.66W	Y	FB	TF	031.82	7.02	AT/BELOW 11000			
FLOKA	424727.13N/0825218.92W	Y	FB	TF	035.53	17.18				
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DP NAME ZETTR						NUMBER FOUR	DP COMPUTER C ZETTR4.ZETT		ED NUMBER REE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	<u>LEG</u> TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUDE	SPEED		<u>REMARKS</u>	
RW04R (AER)*	421212.78N/0832213.32W*	Ν	-	-	-	-				*DISPL THLD (509	FT)
1146 MSL		-	-	VA	028.70		AT/ABOVE 1146			CG 500 FT PER NM T	D 1146
KKELL	422730.48N/0831053.34W	Y	FB	DF			AT/BELOW 7000				
NILSN	423328.65N/0830552.66W	Y	FB	TF	031.82	7.02	AT/BELOW 11000				
FLOKA	424727.13N/0825218.92W	Y	FB	TF	035.53	17.18					
RW21L (AER)	421310.86N/0832002.65W	Ν	-	-	-	-					
-	421050.18N/0832146.27W	-	-	VI	208.72	2.67				CG 500 FT PER NM TO	D 1146
WINRS	420542.02N/0832002.39W	Y	FB	CF	165.93	5.29	AT/ABOVE 2500	AT/BELOW 230K			
USSIE	420556.34N/0831427.74W	Y	FB	TF	086.68	4.16	AT/ABOVE 4000				
SUURF	420657.51N/0830837.76W	Y	FB	TF	076.76	4.46	AT/BELOW 7000				
TUURF	421644.40N/0830113.28W	Y	FB	TF	029.34	11.22					
FLOKA	424727.13N/0825218.92W	Y	FB	TF	012.05	31.40					
RW21R (AER)	421341.86N/0832010.11W	Ν	-	-	-	-					
-	421134.48N/0832143.96W	-	-	VI	208.72	2.42				CG 500 FT PER NM T	D 1146
WINRS	420542.02N/0832002.39W	Y	FB	CF	167.91	6.01	AT/ABOVE 2500	AT/BELOW 230K			
USSIE	420556.34N/0831427.74W	Y	FB	TF	086.68	4.16	AT/ABOVE 4000				
SUURF	420657.51N/0830837.76W	Y	FB	TF	076.76	4.46	AT/BELOW 7000				
TUURF	421644.40N/0830113.28W	Y	FB	TF	029.34	11.22					
FLOKA	424727.13N/0825218.92W	Y	FB	TF	012.05	31.40					

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DP NAME ZETTR						NUMBER FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	<u>LEG</u> TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUDE	SPEED	REMARKS	
RW22L (AER)	421352.36N/0832059.97W	Ν	-	-	-	-				
-	421114.77N/0832256.02W	-	-	VI	208.71	2.99			CG 500 FT PER NM T	O 1146
FORDZ	420747.33N/0833240.34W	Y	FB	CF	244.44	8.03	AT/ABOVE 4000			
CORVE	421315.71N/0834224.97W	Y	FB	TF	307.11	9.08	AT/BELOW 7000			
FRBRD	421824.14N/0834000.66W	Y	FB	TF	019.15	5.44				
DINGL	423219.38N/0832317.31W	Y	FB	TF	041.58	18.63				
FLOKA	424727.13N/0825218.92W	Y	FB	TF	056.33	27.40				
RW22R (AER)	421334.48N/0832158.61W	Ν	-	-	-	-				
-	421115.08N/0832341.19W	-	-	VI	208.69	2.65			CG 500 FT PER NM T	O 1146
FORDZ	420747.33N/0833240.34W	Y	FB	CF	242.57	7.53	AT/ABOVE 4000			
CORVE	421315.71N/0834224.97W	Y	FB	TF	307.11	09.08	AT/BELOW 7000			
FRBRD	421824.14N/0834000.66W	Y	FB	TF	019.15	05.44				
DINGL	423219.38N/0832317.31W	Y	FB	TF	041.58	18.63				
FLOKA	424727.13N/0825218.92W	Y	FB	TF	056.33	27.40				
RW27L (AER)	421158.34N/0831949.33W	Ν	-	-	-	-				
-	-	-	-	VM	268.73	-				
RW27R (AER)	421303.02N/0831951.71W	Ν	-	-	-	-				
-	-	-	-	VM	268.72	-				
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DP NAME ZETTR						NUMBER FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	TC	<u>DIST</u> <u>(NM)</u>	ALTITUDE	SPEED	REMARKS	
	WILLOW RUN (KYIP)									
RW05 (AER)	421350.25N/0833223.46W	Ν	-	-	-	-				
1220 MSL	-	-	-	VA	046.70	-	AT/ABOVE 1220		CG 500 FT PER NM T	O 1220
-	-	-	-	VM	294.00	-				
RW09 (AER)	421438.22N/0833235.98W	N	-	-		-				
1220 MSL	-	-	-	VA	088.55	-	AT/ABOVE 1220		CG 500 FT PER NM T	O 1220
-	-	-	-	VM	294.00					
RW23 (AER)	421441.34N/0833110.47W	N	-	-		_				
-	-	-	-	VM	226.72	-				
RW27 (AER)	421439.47N/0833129.51W	N				-				
-	-	-	-	VM	268.56	-			CG 209 FT PER NM T	O 1000
FLOKA	424727.13N/0825218.92W	Y	-	IF	-	-				
ZETTR	425523.59N/0824233.71W	Y	FB	TF	042.05	10.70				
ZETTR	425523.59N/0824233.71W	Y	-	IF	-	-			ZETTR4.DUTEI	
KARIT	434323.00N/0820840.00W	Y	FB	TF	027.08	53.98				
DUTEL	443959.00N/0811747.00W	Y	FB	TF	032.60	67.40				
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DP NAME ZETTR						NUMBER FOUR	DP COMPUTER CODE ZETTR4.ZETTR	SUPERSEDED NUMBER THREE	DATED 12/5/2019	ACTUAL EFFECTIVE DATE
FIX/NAVAID	LAT/LONG	<u>C</u>	FO/FB	LEG TYPE	<u>TC</u>	<u>DIST</u> (NM)	ALTITUDE	SPEED	REMARKS	
ZETTR	425523.59N/0824233.71W	Y	-	IF	-	-			ZETTR4.ETBO	<
KARIT	434323.00N/0820840.00W	Y	FB	TF	027.08	53.98				
ETBOX	443137.00N/0800747.00W	Y	FB	TF	060.32	99.53				
ZETTR	425523.59N/0824233.71W	Y	-	IF	-	-			ZETTR4.KELT	
ΤΑΝΚΟ	430132.48N/0822302.38W	Y	FB	TF	066.68	15.59				
KELTI	431657.00N/0785600.00W	Y	FB	TF	083.02	152.32				
ZETTR	425523.59N/0824233.71W	Y	-	IF	-	-			ZETTR4.SIKBC)
ΤΑΝΚΟ	430132.48N/0822302.38W	Y	FB	TF	066.68	15.59				
SIKBO	433913.00N/0792057.00W	Y	FB	TF	073.14	138.11				
ZETTR	425523.59N/0824233.71W	Y	-	IF	-	-			ZETTR4.TANK)
ΤΑΝΚΟ	430132.48N/0822302.38W	Y	FB	TF	066.68	15.59				