



# NATIONAL FLIGHT DATA DIGEST

Aeronautical Information Services

Toll Free 1-866-295-8236

Thursday

NO. 071

04/11/2024

## NAVAIDS

CANADA  
MONCTON

NFDD 071 - 1

04/11/2024

MONCTON VORTAC

IDENT

YQM

LAT

46-11-20.24 N

LONG

064-34-14.709 W

NAVAID STATUS

DECOMMISSIONED

MODIFIED

TACAN STATUS

DECOMMISSIONED

MODIFIED

TACAN STATUS DATE

09-APR-2024

ADDED

NEW YORK  
KINGSTON

NFDD 071 - 2

04/11/2024

KINGSTON VOR/DME

IDENT

IGN

LAT

41-39-55.6258 N

LONG

073-49-20.0613 W

RMK VOR UNUSBL 008-018 BYD 40 NM BLW 4000 FT; 008-018 BYD 70 NM;  
020-123 BYD 40 NM; 045-050 BYD 35 NM BLW 4300 FT; 070-140 BYD 30 NM  
BLW 3400 FT; 082-092 BYD 20 NM BLW 4000 FT; 082-092 BYD 35 NM BLW  
5500 FT; 130-148 BYD 40 NM; 203-216 BYD 30NM; 243-253 BYD 40 NM;  
275-310 BYD 40 NM; 311-321 BYD 40 NM BLW 6000 FT; 311-321 BYD 64 NM;  
322-001 BYD 40 NM.

MODIFIED

## AIR TRAFFIC CONTROL TOWERS

CALIFORNIA  
CHINA LAKE

NFDD 071 - 1

04/11/2024

CHINA LAKE NAWA (ARMITAGE FLD)-ATCT

IDENT

NID

FREQUENCIES

FREQUENCY

254.25

RECAP

FREQUENCY USE

CD/P

RECAP

RMK ....MILITARY VALADATED (FIL 232450)....FREQUENCY 254.25 ALREADY  
IN NASR AS OF 9 APR 24..

NOTE

INDIANA  
JEFFERSONVILLE

NFDD 071 - 2

04/11/2024

CLARK RGNL-NON-ATCT

IDENT

JVY

FREQUENCIES

APCH/DEP CALL	LOUISVILLE	
FREQUENCY	132.075	DELETED
FREQUENCY USE	REDSTONE STAR	DELETED
APCH/DEP CALL	LOUISVILLE	
FREQUENCY	327.0	DELETED
FREQUENCY USE	REDSTONE STAR	DELETED

KENTUCKY	NFDD 071 - 3	04/11/2024
COVINGTON		

CINCINNATI/NORTHERN KENTUCKY INTL-ATCT-TRACON	
IDENT	CVG

FREQUENCIES

FREQUENCY	119.7	
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED
FREQUENCY	119.7	
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	HARDU STAR	DELETED
FREQUENCY	123.875	
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED
FREQUENCY	123.875	
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	HARDU STAR	DELETED
FREQUENCY	363.15	
FREQUENCY USE	HARDU STAR	DELETED
FREQUENCY	363.15	
FREQUENCY USE	SHELBYVILLE STAR	DELETED

KENTUCKY	NFDD 071 - 4	04/11/2024
FALMOUTH		

GENE SNYDER-NON-ATCT	
IDENT	K62

FREQUENCIES

APCH/DEP CALL	CINCINNATI	
FREQUENCY	119.7	DELETED
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	HARDU STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	HARDU STAR	DELETED
APCH/DEP CALL	CINCINNATI	

FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	HARDU STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	119.7	DELETED
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	121.0	DELETED
FREQUENCY USE	HEDEE STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	254.25	DELETED
FREQUENCY USE	HEDEE STAR	DELETED

KENTUCKY  
LOUISVILLE

**NFDD 071 - 5**

04/11/2024

LOUISVILLE MUHAMMAD ALI INTL-ATCT-TRACON  
IDENT SDF

FREQUENCIES

FREQUENCY	132.075	
FREQUENCY USE	REDSTONE STAR	DELETED

FREQUENCY	327.0	
FREQUENCY USE	REDSTONE STAR	DELETED

KENTUCKY  
LOUISVILLE

**NFDD 071 - 6**

04/11/2024

BOWMAN FLD-ATCT  
IDENT LOU

FREQUENCIES

APCH/DEP CALL	LOUISVILLE	
FREQUENCY	132.075	DELETED
FREQUENCY USE	REDSTONE STAR	DELETED

APCH/DEP CALL	LOUISVILLE	
FREQUENCY	327.0	DELETED
FREQUENCY USE	REDSTONE STAR	DELETED

MINNESOTA  
MINNEAPOLIS

NFDD 071 - 7

04/11/2024

ANOKA COUNTY/BLAINE (JANES FLD)-ATCT

IDENT ANE

FREQUENCIES

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	335.65	DELETED
FREQUENCY USE	DARWIN DP	DELETED

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	126.5	DELETED
FREQUENCY USE	DAEWIN DP	DELETED

MINNESOTA  
MINNEAPOLIS

NFDD 071 - 8

04/11/2024

MINNEAPOLIS-ST PAUL INTL/WOLD-CHAMBERLAIN-ATCT

IDENT MSP

FREQUENCIES

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	335.65	DELETED
FREQUENCY USE	DARWIN DP	DELETED

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	124.7	DELETED
FREQ SECTORIZATION	;SOUTH/EAST	DELETED
FREQUENCY USE	DAEWIN DP	DELETED

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	125.75	DELETED
FREQ SECTORIZATION	;NORTH/WEST	DELETED
FREQUENCY USE	DARWIN DP	DELETED

MINNESOTA  
MINNEAPOLIS

NFDD 071 - 9

04/11/2024

FLYING CLOUD-ATCT

IDENT FCM

FREQUENCIES

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	335.65	DELETED
FREQUENCY USE	DARWIN DP	DELETED

APCH/DEP CALL	MINNEAPOLIS	
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SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	134.7	DELETED
FREQUENCY USE	DARWIN DP	DELETED

MINNESOTA	NFDD 071 - 10	04/11/2024
ST PAUL		

ST PAUL DOWNTOWN HOLMAN FLD-ATCT	
IDENT	STP

FREQUENCIES

APCH/DEP CALL	MINNEAPOLIS	
SVC PRVDR NAME	MINNEAPOLIS TRACON	DELETED
FREQUENCY	335.65	DELETED
FREQUENCY USE	DARWIN DP	DELETED

OHIO	NFDD 071 - 11	04/11/2024
BATAVIA		

CLERMONT COUNTY-NON-ATCT	
IDENT	169

FREQUENCIES

APCH/DEP CALL	CINCINNATI	
FREQUENCY	119.7	DELETED
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	HARDU STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	HARDU STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	HARDU STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	119.7	DELETED
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	121.0	DELETED

FREQUENCY USE	HEDEE STAR	DELETED
APCH/DEP CALL	CINCINNATI	
FREQUENCY	254.25	DELETED
FREQUENCY USE	HEDEE STAR	DELETED

OHIO	NFDD 071 - 12	04/11/2024
CINCINNATI		

CINCINNATI MUNI/LUNKEN FLD-ATCT
IDENT

LUK

FREQUENCIES

APCH/DEP CALL	CINCINNATI	
FREQUENCY	119.7	DELETED
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	HARDU STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	HARDU STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	HARDU STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	119.7	DELETED
FREQ SECTORIZATION	;090-269	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	121.0	DELETED
FREQUENCY USE	HEDEE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	254.25	DELETED
FREQUENCY USE	HEDEE STAR	DELETED

OHIO  
DAYTON

NFDD 071 - 13

04/11/2024

JAMES M COX DAYTON INTL-ATCT  
IDENT

DAY

FREQUENCIES

APCH/DEP CALL COLUMBUS  
FREQUENCY 323.15  
FREQUENCY USE KEKEE STAR

DELETED  
DELETED

APCH/DEP CALL COLUMBUS  
FREQUENCY 118.85  
FREQUENCY USE KEKEE STAR

DELETED  
DELETED

OHIO  
DAYTON

NFDD 071 - 14

04/11/2024

WRIGHT-PATTERSON AFB-ATCT  
IDENT

FFO

FREQUENCIES

APCH/DEP CALL COLUMBUS  
FREQUENCY 323.15  
FREQUENCY USE KEKEE STAR

DELETED  
DELETED

APCH/DEP CALL COLUMBUS  
FREQUENCY 118.85  
FREQUENCY USE KEKEE STAR

DELETED  
DELETED

OHIO  
HAMILTON

NFDD 071 - 15

04/11/2024

BUTLER COUNTY RGNL/HOGAN FLD-NON-ATCT  
IDENT

HAO

FREQUENCIES

APCH/DEP CALL CINCINNATI  
FREQUENCY 119.7  
FREQ SECTORIZATION ;090-269  
FREQUENCY USE HARDU STAR

DELETED  
DELETED  
DELETED

APCH/DEP CALL CINCINNATI  
FREQUENCY 363.15  
FREQUENCY USE HARDU STAR

DELETED  
DELETED

APCH/DEP CALL CINCINNATI  
FREQUENCY 123.875  
FREQ SECTORIZATION ;270-089  
FREQUENCY USE HARDU STAR

DELETED  
DELETED  
DELETED

APCH/DEP CALL CINCINNATI  
FREQUENCY 119.7  
FREQ SECTORIZATION ;090-269  
FREQUENCY USE SHELBYVILLE STAR

DELETED  
DELETED  
DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	123.875	DELETED
FREQ SECTORIZATION	;270-089	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	363.15	DELETED
FREQUENCY USE	SHELBYVILLE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	121.0	DELETED
FREQUENCY USE	HEDEE STAR	DELETED

APCH/DEP CALL	CINCINNATI	
FREQUENCY	254.25	DELETED
FREQUENCY USE	HEDEE STAR	DELETED

OHIO	NFDD 071 - 16	04/11/2024
SPRINGFIELD		

SPRINGFIELD/BECKLEY MUNI-NON-ATCT	
IDENT	SGH

FREQUENCIES

APCH/DEP CALL	COLUMBUS	
FREQUENCY	323.15	DELETED
FREQUENCY USE	KEKEE STAR	DELETED

APCH/DEP CALL	COLUMBUS	
FREQUENCY	118.85	DELETED
FREQUENCY USE	KEKEE STAR	DELETED

AIRPORT

ARKANSAS	NFDD 071 - 1	04/11/2024
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DE WITT

DEWITT MUNI/WHITCOMB FLD AIRPORT

LATITUDE - 34-15-44.2 N	( 5M1 )	00951.11A
	LONGITUDE -	091-18-27.0 W

RWY ID	18/36
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RWY END	36
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VGSI	2-LIGHT PAPI ON LEFT SIDE OF RUNWAY	RECAP
THR CROSSING HGT	39	MODIFIED
VISUAL GLIDE ANGLE	3.00	RECAP

NEW MEXICO	NFDD 071 - 2	04/11/2024
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FORT SUMNER

FORT SUMNER MUNI AIRPORT

LATITUDE - 34-29-19.5047 N	( FSU )	14609.A
	LONGITUDE -	104-12-59.1064 W

BOTTLE OXYGEN	NONE	DELETED
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BULK OXYGEN	NONE	DELETED
RMK ARPT ATTEND SKED: AFT HR - 575-355-2405.		MODIFIED
RMK APT LGT SKED: DUSK-DAWN: ACTVT MIRL RWY 08/26 - CTAF. MIRL RWY 03/21 PRESET LOW INTST TILL 2200; AFT 2200 ACTVT - CTAF.		MODIFIED
RMK GATE ACES 2019.		MODIFIED
RWY ID	03/21	
RWY END	03	
CTLG OBSTN	BRUSH	MODIFIED
RWY END	21	
VGSI	PVASI ON LEFT SIDE OF RUNWAY	DELETED
RWY ID	08/26	
RWY END	08	
CTLG OBSTN	ROAD	DELETED
RWY END	26	
VGSI	PVASI ON LEFT SIDE OF RUNWAY	DELETED
NEW MEXICO	<b>NFDD 071 - 3</b>	04/11/2024
LAS VEGAS		
LAS VEGAS MUNI AIRPORT	( LVS ) 14637.A	
LATITUDE - 35-39-15.2 N	LONGITUDE - 105-08-32.6 W	
ARPT ATTEND SKED	ALL/ MON-FRI/ 0800-1630	MODIFIED
BOTTLE OXYGEN	NONE	DELETED
BULK OXYGEN	NONE	DELETED
RMK ARPT ATTEND SKED: IF UNAVBL - EMERG 505-429-3198 OR 505-425-7504.		MODIFIED
RMK FUEL: 100LL: FUEL AVBL 24 HRS SELF-SERVICE WITH MAJOR CREDIT CARD.		DELETED
RMK BIRDS ON & INVOF ARPT.		MODIFIED
RMK NMRS HOLD & DRCTN SIGNS OTS.		MODIFIED
RMK FUEL 24 HR SELF SVC WITH CREDIT CARD.		ADDED
RWY ID	02/20	
RWY END	02	
RMK APCH LGTS: OTS INDEFLY.		MODIFIED
RWY END	20	
RMK APCH LGTS: OTS INDEFLY.		MODIFIED
NEW MEXICO	<b>NFDD 071 - 4</b>	04/11/2024
TUCUMCARI		
TUCUMCARI MUNI AIRPORT	( TCC ) 14748.A	
LATITUDE - 35-10-58.001 N	LONGITUDE - 103-36-11.5 W	
BOTTLE OXYGEN	NONE	DELETED
BULK OXYGEN	NONE	DELETED
RMK ARPT ATTEND SKED: CLSD FED HOL.		MODIFIED
RMK FUEL: 100LL: FUEL AVBL AFT HRS SELF SERVE WITH MAJOR CREDIT CARD.		DELETED
RMK EMERGENCY CONTACT: 575-461-2280 (DISPATCH).		DELETED
RMK AFT HR FUEL SELF SVC WITH CREDIT CARD.		ADDED
RWY ID	03/21	
RWY END	03	
CTLG OBSTN	TREE	DELETED
RWY END	21	
CTLG OBSTN	TREE	DELETED

NORTH CAROLINA		NFDD 071 - 5	04/11/2024
AHOSKIE			
TRI-COUNTY AT HENRY JOYNER FLD AIRPORT		( ASJ )	16499.3A
LATITUDE -	36-17-51.095 N	LONGITUDE -	077-10-15.07 W
ARPT NAME	TRI-COUNTY AT HENRY JOYNER FIELD		REPLACED
ARPT NAME	TRI-COUNTY AT HENRY JOYNER FLD		NEW
NORTH DAKOTA		NFDD 071 - 6	04/11/2024
FARGO			
ESSENTIA HEALTH FARGO HELIPORT		( ND45 )	17328.02H PRIVATE OBJECTIONABLE
LATITUDE -	46-49-53.46 N	LONGITUDE -	096-49-45.06 W
EPOCH YEAR	2025		MODIFIED
MAG-VAR	3 E		MODIFIED
RMK	DATA EFFECTIVE 16 MAY 2024.		NOTE
PENNSYLVANIA		NFDD 071 - 7	04/11/2024
BROOKVILLE			
PENN HIGHLANDS BROOKVILLE HELIPORT		( PA04 )	19929.16H PRIVATE
LATITUDE -	41-09-23.229 N	LONGITUDE -	079-05-35.133 W
RWY ID	H1		
RWY END	H1		
MKG TYPE - COND	BSC - POOR		MODIFIED

AIRSPACE FIXES

ALL AZIMUTHS ARE MAGNETIC AND FROM THE FACILITY.  
ALL DISTANCES ARE IN NAUTICAL MILES.

EFFECTIVE 5/16/2024 OR AS NOTED THE FOLLOWING AIRSPACE FIXES  
ARE ESTABLISHED MODIFIED OR CANCELLED AS INDICATED.

\* \* \* MODIFIED \* \* \*

DELAWARE		NFDD 071 - 1	04/11/2024
RADDS			
NAV-FAC-AZIMUTH/DSTC	SIE*VORTAC*215.84/30.00		
LATITUDE	38-38-54.80 N		
LONGITUDE	075-05-18.48 W		
ARTCC	ZDC		
FIX TYPE	REP-PT		
CHARTING	AREA		ADDED
CHARTING	CONTROLLER LOW		
CHARTING	CONTROLLER HIGH		
CHARTING	IAP		
CHARTING	ENROUTE HIGH		
CHARTING	ENROUTE LOW		
CHARTING	STAR		
CHARTING INFO	RNAV		
ICAO REGION	K6		

NEW YORK	<b>NFDD 071 - 2</b>	04/11/2024	
CORTA			
NAV-FAC-AZIMUTH/DSTC	CFB*VOR/DME*014.91/31.08		
LATITUDE	42-40-25.65 N		
LONGITUDE	076-04-34.93 W		
ARTCC	ZNY		
FIX TYPE	REP-PT		
CHARTING	SECTIONAL		ADDED
CHARTING	CONTROLLER LOW		
CHARTING	IAP		
CHARTING	ENROUTE LOW		
CHARTING INFO	RNAV		
ICAO REGION	K6		
NEW YORK	<b>NFDD 071 - 3</b>	04/11/2024	
PTAKI			
NAV-FAC-AZIMUTH/DSTC	ROC*VOR/DME*132.34/54.97		MODIFIED
NAV-FAC-AZIMUTH/DSTC	SYR*VORTAC*220.88/35.26		
LATITUDE	42-39-00.31 N		
LONGITUDE	076-36-04.77 W		
ARTCC	ZNY		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER LOW		
CHARTING	ENROUTE LOW		
CHARTING INFO	RNAV		
ICAO REGION	K6		
NEW YORK	<b>NFDD 071 - 4</b>	04/11/2024	
XUCCO			
NAV-FAC-AZIMUTH/DSTC	ULW*VOR/DME*041.31/23.15		
NAV-FAC-AZIMUTH/DSTC	CFB*VOR/DME*310.35/32.61		
LATITUDE	42-25-49.64 N		
LONGITUDE	076-46-11.07 W		
ARTCC	ZNY		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER LOW		
CHARTING	ENROUTE LOW		
CHARTING INFO	RNAV		ADDED
ICAO REGION	K6		
VIRGINIA	<b>NFDD 071 - 5</b>	04/11/2024	
FRDMM			
LATITUDE	38-56-34.54 N		
LONGITUDE	077-31-01.39 W		
ARTCC	ZDC		
FIX TYPE	WAYPOINT		
CHARTING	ENROUTE LOW		ADDED
CHARTING	CONTROLLER LOW		ADDED
CHARTING	STAR		
ICAO REGION	K6		

VIRGINIA		NFDD 071 - 6	04/11/2024
LNDIZ			
LATITUDE	37-06-44.13 N		
LONGITUDE	081-45-09.93 W		
ARTCC	ZID		
FIX TYPE	WAYPOINT		
CHARTING	CONTROLLER		DELETED
CHARTING	CONTROLLER HIGH		ADDED
CHARTING	CONTROLLER LOW		ADDED
CHARTING	ENROUTE LOW		
CHARTING	ENROUTE HIGH		
CHARTING	STAR		
ICAO REGION	K6		

VIRGINIA		NFDD 071 - 7	04/11/2024
MAHAF			
LATITUDE	37-02-11.57 N		
LONGITUDE	082-13-16.29 W		
ARTCC	ZID		
FIX TYPE	WAYPOINT		
CHARTING	CONTROLLER		DELETED
CHARTING	CONTROLLER HIGH		ADDED
CHARTING	ENROUTE HIGH		
CHARTING	STAR		
ICAO REGION	K6		

WEST VIRGINIA		NFDD 071 - 8	04/11/2024
BUCKO			
NAV-FAC-AZIMUTH/DSTC	AIR*VOR/DME*140.00/63.19		MODIFIED
NAV-FAC-AZIMUTH/DSTC	APE*VORTAC*117.00/137.85		
NAV-FAC-AZIMUTH/DSTC	ESL*VOR/DME*282.27/39.15		
NAV-FAC-AZIMUTH/DSTC	MGW*VOR/DME*179.03		
LATITUDE	39-17-37.82 N		
LONGITUDE	079-49-30.10 W		
ARTCC	ZOB		
FIX TYPE	REP-PT		
CHARTING	ENROUTE LOW		
CHARTING	CONTROLLER LOW		
CHARTING	CONTROLLER HIGH		
CHARTING	ENROUTE HIGH		
CHARTING	STAR		
CHARTING INFO	RNAV		
ICAO REGION	K6		

WEST VIRGINIA		NFDD 071 - 9	04/11/2024
LUISE			
NAV-FAC-AZIMUTH/DSTC	HVQ*VOR/DME*037.00/88.89		
NAV-FAC-AZIMUTH/DSTC	APE*VORTAC*117.00/93.91		
LATITUDE	39-34-27.39 N		
LONGITUDE	080-41-54.65 W		MODIFIED
ARTCC	ZOB		
FIX TYPE	REP-PT		
CHARTING	ENROUTE LOW		

CHARTING  
CHARTING  
CHARTING  
CHARTING  
CHARTING INFO  
ICAO REGION

CONTROLLER LOW  
CONTROLLER HIGH  
STAR  
ENROUTE HIGH  
RNAV  
K6

\* \* \* CANCELLED \* \* \*

NORTH CAROLINA  
BLNCO

**NFDD 071 - 10**

04/11/2024

LATITUDE  
LONGITUDE  
ARTCC  
FIX TYPE  
CHARTING  
ICAO REGION

35-27-34.01 N  
080-36-12.93 W  
ZTL  
WAYPOINT  
STAR  
K7

NORTH CAROLINA  
JEPHS

**NFDD 071 - 11**

04/11/2024

LATITUDE  
LONGITUDE  
ARTCC  
FIX TYPE  
CHARTING  
ICAO REGION

35-24-55.89 N  
080-39-52.48 W  
ZTL  
WAYPOINT  
STAR  
K7

NORTH CAROLINA  
JRUTT

**NFDD 071 - 12**

04/11/2024

LATITUDE  
LONGITUDE  
ARTCC  
FIX TYPE  
CHARTING  
ICAO REGION

35-17-27.10 N  
080-40-44.98 W  
ZTL  
WAYPOINT  
STAR  
K7

NORTH CAROLINA  
LOURY

**NFDD 071 - 13**

04/11/2024

LATITUDE  
LONGITUDE  
ARTCC  
FIX TYPE  
CHARTING  
ICAO REGION

35-15-35.93 N  
080-43-18.49 W  
ZTL  
WAYPOINT  
STAR  
K7

**HOLDING PATTERNS**

EFFECTIVE 5/16/2024 OR AS NOTED THE FOLLOWING HOLDING PATTERNS ARE  
ESTABLISHED MODIFIED OR CANCELLED AS INDICATED. ONLY HOLDING PATTERNS  
AFFECTING CHARTS ARE INCLUDED IN THE LISTING.

* * * MODIFIED * * *		
COLORADO	NFDD 071 - 1	04/11/2024
HAYDEN VOR/DME*CO	PATTERN - 1	
DEFINING RESOURCE	CHE*VOR/DME	
HOLD-DIR	W	
DEGREES	288	
AZIMUTH	RAD	
CRS-INB	108	
TURN-DIR	R	
CHARTING	IAP	
RMK 210KT ICON		DELETED
COLORADO	NFDD 071 - 2	04/11/2024
LOMMA WP*CO*K2	PATTERN - 1	
HOLD-DIR	NW	
DEGREES	296	
AZIMUTH	RNAV	
CRS-INB	116	
TURN-DIR	R	
LEG LENGTH OUTBOUND	6 NM	
CHARTING	IAP	
RMK 210K ICON		ADDED
RMK 210 KT ICON		DELETED
DELAWARE	NFDD 071 - 3	04/11/2024
DUPONT VORTAC*DE	PATTERN - 2	
DEFINING RESOURCE	DQO*VORTAC	
HOLD-DIR	E	
DEGREES	068	
AZIMUTH	RAD	
CRS-INB	248	
TURN-DIR	L	
CHARTING	IAP	
RMK CHART 210K ICON.		DELETED
HAWAII	NFDD 071 - 4	04/11/2024
ALANA INT*HI*PH	PATTERN - 1	
DEFINING RESOURCE	HNL*VORTAC	
HOLD-DIR	S	
DEGREES	171	
AZIMUTH	RAD	
CRS-INB	351	
TURN-DIR	R	
CHARTING	IAP	

CHARTING	MILITARY IAP		ADDED
HAWAII		NFDD 071 - 5	04/11/2024
CHAIN INT*HI*PH	PATTERN - 1		
DEFINING RESOURCE	MKK*VORTAC		
HOLD-DIR	NW		
DEGREES	115		
AZIMUTH	RAD		
CRS-INB	115		
TURN-DIR	R		
CHARTING	SPECIAL IAP		
RMK CHART 175K ICON.			DELETED
HAWAII		NFDD 071 - 6	04/11/2024
EWABE LOM*HI	PATTERN - 1		
DEFINING RESOURCE	HNL*OM		
HOLD-DIR	W		
DEGREES	270		
AZIMUTH	BRG		MODIFIED
CRS-INB	090		
TURN-DIR	R		
CHARTING	IAP		
CHARTING	MILITARY IAP		
ILLINOIS		NFDD 071 - 7	04/11/2024
BRADFORD VORTAC*IL	PATTERN - 2		
DEFINING RESOURCE	BDF*VORTAC		
HOLD-DIR	NW		
DEGREES	313		
AZIMUTH	RAD		
CRS-INB	133		
TURN-DIR	R		
CHARTING	IAP		DELETED
CHARTING	NOT REQUIRED		ADDED
MARYLAND		NFDD 071 - 8	04/11/2024
CHDMN INT*MD*K6	PATTERN - 1		
DEFINING RESOURCE	AML*VOR/DME		
HOLD-DIR	N		
DEGREES	012		
AZIMUTH	RAD		
CRS-INB	192		MODIFIED
TURN-DIR	R		
CHARTING	IAP		
MARYLAND		NFDD 071 - 9	04/11/2024
CHDMN WP*MD*K6	PATTERN - 2		
HOLD-DIR	N		
DEGREES	012		
AZIMUTH	RNAV		

CRS-INB	192		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	4 NM		
CHARTING	IAP		
MARYLAND		NFDD 071 - 10	04/11/2024
MULRR INT*MD*K6	PATTERN - 1		
DEFINING RESOURCE	MRB*VORTAC		
HOLD-DIR	NE		
DEGREES	065		
AZIMUTH	RAD		
CRS-INB	245		
TURN-DIR	L		
CHARTING	STAR		DELETED
CHARTING	ENROUTE LOW		
NEW HAMPSHIRE		NFDD 071 - 11	04/11/2024
KHRIS WP*NH*K6	PATTERN - 1		
HOLD-DIR	NW		
DEGREES	334		
AZIMUTH	RNAV		
CRS-INB	154		
TURN-DIR	R		
LEG LENGTH OUTBOUND	4 NM		
CHARTING	IAP		
RMK CHART 175K ICON.			DELETED
NEW YORK		NFDD 071 - 12	04/11/2024
CORTA INT*NY*K6	PATTERN - 1		
DEFINING RESOURCE	CFB*VOR/DME		
HOLD-DIR	S		MODIFIED
DEGREES	015		
AZIMUTH	RAD		
CRS-INB	015		MODIFIED
TURN-DIR	L		MODIFIED
CHARTING	IAP		DELETED
CHARTING	NOT REQUIRED		ADDED
* * * CANCELLED * * *			
INDIANA		NFDD 071 - 13	04/11/2024
BRICKYARD VORTAC*IN	PATTERN - 4		
DEFINING RESOURCE	VHP*VORTAC		
HOLD-DIR	W		
DEGREES	272		
AZIMUTH	RAD		
CRS-INB	092		



TURN-DIR  
CHARTING

L  
STAR

**PREFERRED IFR ROUTE**

EFFECTIVE 5/16/2024 OR AS NOTED THE FOLLOWING PREFERRED IFR ROUTES ARE  
ESTABLISHED, MODIFIED OR CANCELED AS INDICATED.

\* \* \* MODIFIED \* \* \*

SPECIAL HIGH ALTITUDE DIRECTIONAL ROUTE

ZDC*TKPK*SHD*1	NFDD 071 - 1	04/11/2024
WASHINGTON TO GLODEN ROCK		
ROUTE DIRECTION	SOUTHBOUND	
SPECIAL AREA	TRAFFIC ENTERING ZMA FOR CARIBBEAN FLIGHTS TO BRADSHAW INTL (TKPK)	MODIFIED
ROUTE CONFIGURATION		
SIE, VORTAC		
B24 AWY		
WEBBB, K, OA FIX		
ROLLE, K, OA FIX		
ATUGI, K, OA FIX		
L454 AWY		
KNDLL, K, OA FIX		
FIEPK, K, OA FIX		
Y439 AWY		
MEEGL, TJ, PR FIX		
DANDE, TI, VI FIX		
G633 AWY		
SKB, NDB/DME		

**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 statute miles or feet RVR unless otherwise indicated.

DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TRMML	FOUR	TRMML4.TRMML	THREE	10/10/2019	16 May 2024
TYPE:	OBSTACLE	COPTER	SID	SPECIAL	RNAV
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

This is a corrected copy of the procedure published in NFDD 064. See page 7.

**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 347.82 TO CROSS EERNY AT OR BELOW 11000, THEN ON TRACK 349.25 TO LOALA, 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 347.82 TO CROSS EERNY AT OR BELOW 11000, THEN ON TRACK 349.25 TO LOALA, 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 350.49 TO CROSS EERNY AT OR BELOW 11000, THEN ON TRACK 349.25 TO LOALA, THENCE...

**TAKEOFF RWY 4R:** CLIMB ON HEADING 035.70 TO 1146, THEN DIRECT TO CROSS KKELL AT OR BELOW 7000, THEN ON TRACK 350.49 TO CROSS EERNY AT OR BELOW 11000, THEN ON TRACK 349.25 TO LOALA, 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 344.60 TO LOALA, 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 344.60 TO LOALA, 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 027.07 TO LOALA, 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 027.07 TO LOALA, THENCE...

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

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

...ON TRACK 351.96 TO TRMML, 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 LOALA, 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 LOALA, THENCE...

**TAKEOFF RWY 23:** CLIMB ON HEADING 232.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO LOALA, THENCE...

**TAKEOFF RWY 27:** CLIMB ON HEADING 274.56 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO LOALA, THENCE...

...ON TRACK 351.96 TO TRMML, 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 LOALA, THEN ON TRACK 351.96 TO TRMML, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**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...



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TRMML	FOUR	TRMML4.TRMML	THREE	10/10/2019	<b>16 May 2024</b>

...FOR RADAR VECTORS TO LOALA, THEN ON TRACK 351.96 TO TRMML, 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 LOALA, THEN ON TRACK 351.96 TO TRMML, 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 LOALA, THEN ON TRACK 351.96 TO TRMML, 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 LOALA, THEN ON TRACK 351.96 TO TRMML, 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 LOALA, THEN ON TRACK 351.96 TO TRMML, 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 LOALA, THEN ON TRACK 351.96 TO TRMML, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**SELFRIDGE ANGB (KMTG):**

**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 LOALA, THEN ON TRACK 351.96 TO TRMML, THEN ON (TRANSITION). MAINTAIN ATC ASSIGNED ALTITUDE, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE.

**TRANSITION ROUTES (GRAPHIC DEPICTION ONLY):**

<u>TRANSITION NAME</u>	<u>TRANSITION COMPUTER CODE</u>	<u>FROM FIX/NAVAID</u>	<u>TO FIX/NAVAID</u>	<u>COURSE</u>	<u>DISTANCE</u>	<u>MEA</u>	<u>MOCA</u>	<u>CROSSING ALTITUDE/FIXES</u>
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QUALITY  
8  
CHECKED

<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TRMML		FOUR	TRMML4.TRMML	THREE	10/10/2019	<b>16 May 2024</b>
GNZOE	TRMML4.GNZOE	TRMML	DDEEZ	TRACK 352.32	20.91	10000 2700
		DDEEZ	GNZOE	TRACK 352.06	10.82	10000 2700

**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.**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):****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 (KMTG):****RWY 1:** STANDARD.**RWY 19:** STANDARD WITH MINIMUM CLIMB OF 235 FT/NM TO 1500.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TRMML	FOUR	TRMML4.TRMML	THREE	10/10/2019	<b>16 May 2024</b>

**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 KTTF, 3100.

KONZ: MSA FROM KONZ, 3100.

KOZW: MSA FROM KOZW, 3000.

KPTK: MSA FROM KPTK, 2900.

KVLL: MSA FROM KVLL, 2900.

KMTC: MSA FROM KMTC, 2800.

**LOST COMMUNICATIONS PROCEDURES:****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:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KDTW	DETROIT	MI
KYIP	DETROIT	MI
KARB	ANN ARBOR	MI

QUALITY  
8  
CHECKED

NFDD NO. 071		04/11/2024		22	
DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TRMML	FOUR	TRMML4.TRMML	THREE	10/10/2019	16 May 2024
KDET		DETROIT			MI
KTTF		MONROE			MI
KONZ		DETROIT/GROSSE ILE			MI
KOZW		HOWELL			MI
KPTK		PONTIAC			MI
KVLL		TROY			MI
KMTC		MOUNT CLEMENS			MI

**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 TRMML; REQUIRED FOR KONZ AND KTTF.  
4. 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).  
5. **KDTW CHART NOTE:** SEE ADDITIONAL REQUIREMENTS ON AAUP.  
6. KDTW RWY 3L, 3R, 4L, 4R, 21L, 21R, 22L, 22R DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO SIMULTANEOUS DEPARTURES.  
7. KYIP RWY 5, 9 DEPARTURES EARLY TURN AND SHORTENED ICA REQUIRED DUE TO KDTW AIR TRAFFIC FLOW.  
8. MEA BASED ON LOWEST DME/DME COVERAGE.

<b>FLIGHT INSPECTED BY</b> SCOTT WIEBE	<b>SIGNATURE</b> <i>Digitally signed by</i> <b>CASIMIR L TABAKA</b> Mar 15, 2024	<b>OFFICE</b> FPO	<b>DATE</b> 03/08/2024	
<b>DEVELOPED BY</b> APRIL SARMENTO	<b>SIGNATURE</b> <i>Digitally signed by</i> <b>APRIL T SARMENTO</b> Jan 23, 2024	<b>OFFICE</b> AJV-A432	<b>DATE</b> 11/15/2023	
<b>APPROVED BY</b> CASIMIR TABAKA	<b>SIGNATURE</b> <i>Digitally signed by</i> <b>CASIMIR L TABAKA</b> Jan 26, 2024	<b>OFFICE</b> AJV-A432	<b>DATE</b>	<b>TITLE</b> MANAGER
<b>REQUIRED EFFECTIVE DATE</b> ROUTINE				
<b>COORDINATED WITH:</b>				



DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TRMML	FOUR	TRMML4.TRMML	THREE	10/10/2019	16 May 2024

☒ **A4A** ☒ **ALPA** ☒ **AOPA** ☒ **APA** ☐ **HAI** ☒ **NBAA** **OTHER:**ZOB, DTW APP CON, AMGR(S), NAVCANADA (AIMDAT@NAVCANADA.CA)

**CHANGES - REASONS:**

1. AIRPORT NAME, CHANGED ALL KDTW AIRPORT NAME REFERENCES FROM DETROIT METROPOLITAN WAYNE COUNTY TO DETROIT METRO WAYNE COUNTY - OFFICIAL NASR NAME.
2. DELETED ALL CYQG DATA FROM DP ROUTE DESCRIPTION, TAKEOFF MINIMUMS, AND AIRPORTS SERVED - AIRPORT REMOVED FROM SID PER NAVCANADA REQUEST.
3. DELETED KYIP RWY 5L, 23R REFERENCES AND CHANGED RUNWAY NUMBERS FROM RWY 5R TO RWY 5 AND FROM RWY 23L TO RWY 23 IN DP ROUTE DESCRIPTION AND TAKEOFF MINIMUMS - RUNWAY 5L, 23R DECOMMISSIONED AND RWY 5R, 23L RENUMBERED ON 10/06/2022.
4. DELETED KDET RWY 7, 25 REFERENCES IN DP ROUTE DESCRIPTION, TAKEOFF MINIMUMS AND RWY 25 CONTROLLING OBSTACLE - RUNWAY IS GOING TO BE DECOMMISSIONED.
5. CHANGED KVLL RWYS FROM RWY 9, 27 TO RWY 10, 28 - RUNWAYS WERE RENUMBERED ON 02/10/2021.
6. DP ROUTE DESCRIPTION, ALL RUNWAY TRANSITIONS, DELETED FIX LOALA MINIMUM CROSSING ALTITUDE AND CHANGED VERBIAGE FROM "TO CROSS LOALA AT OR ABOVE 4000" TO "TO LOALA" - CROSSING ALTITUDE REMOVED PER ATC REQUEST AND WAIVER ON FILE TO NOT CHART IF ALTITUDE AT IF FIX FOR RADAR VECTORS.
7. DP ROUTE DESCRIPTION, CHANGED DTW RWY 22L FROM "CLIMB ON HEADING 215.71" TO "CLIMB ON HEADING 215.69" - NEW EVALUATION.
8. DP ROUTE DESCRIPTION, CHANGED KDTW RWY 27L FROM "CLIMB ON HEADING 275.73 TO 1146, THEN ON HEADING 275.71 OR AS ASSIGNED FOR RADAR VECTORS" TO "CLIMB ON HEADING 275.73 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS" - EARLY TURN AND LNAV ENGAGEMENT ALTITUDE NOT REQUIRED, SEGMENTS CHANGED FROM VA-VM LEGS TO VM LEG; VERBIAGE IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.C.(7).
9. DP ROUTE DESCRIPTION, CHANGED KDTW RWY 27R FROM "CLIMB ON HEADING 275.72 TO 1146, THEN ON HEADING 275.70 OR AS ASSIGNED FOR RADAR VECTORS" TO "CLIMB ON HEADING 275.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS" - EARLY TURN AND LNAV ENGAGEMENT ALTITUDE NOT REQUIRED, SEGMENTS CHANGED FROM VA-VM LEGS TO VM LEG; VERBIAGE IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.C.(7).
10. DP ROUTE DESCRIPTION, DELETED KDTW TOP ALTITUDE VERBIAGE "OR AS ASSIGNED BY ATC" - KDTW HAS A NUMERIC TOP ALTITUDE 17000 CHARTED FOR ALL RUNWAYS.
11. DP ROUTE DESCRIPTION, CHANGED KYIP TAKEOFF RWY 5 FROM "CLIMB ON HEADING 053.71 TO 1220, THEN LEFT TURN HEADING 300.00 FOR RADAR VECTORS TO" TO "CLIMB ON HEADING 052.70 TO 1220, THEN ON HEADING 300.00 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS" - CLIMB ON HEADING MAG VAR CHANGED FROM KDTW (7W/2020) TO KYIP (6W/1995) IAW AJV-A MEMO "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES" DATED 07/15/2022; ATC REQUESTED TO ADD ATC ASSIGNED HEADINGS ON VM LEG AND CHANGED ALTITUDE; IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.C.(7).
12. DP ROUTE DESCRIPTION, CHANGED KYIP TAKEOFF RWY 9 FROM "CLIMB ON HEADING 095.55 TO 1220, THEN LEFT TURN HEADING 300.00 FOR RADAR VECTORS TO" TO "CLIMB ON HEADING 094.55 TO 1220, THEN ON HEADING 300.00 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO" - CLIMB ON HEADING MAG VAR CHANGED FROM KDTW (7W/2020) TO KYIP (6W/1995) IAW AJV-A MEMO "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES" DATED 07/15/2022; ATC REQUESTED TO ADD ATC ASSIGNED HEADINGS ON VM LEG AND CHANGED ALTITUDE; IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.C.(7).
13. DP ROUTE DESCRIPTION, CHANGED KYIP TAKEOFF RWY 23 FROM "CLIMB ON HEADING 233.72 TO 1220, THEN ON HEADING 233.70 FOR RADAR VECTORS TO" TO "CLIMB ON HEADING 232.72 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO" - EARLY TURN AND LNAV ENGAGEMENT ALTITUDE NOT REQUIRED, SEGMENT CHANGED FROM VA-VM TO VM LEG; CLIMB ON HEADING MAG VAR CHANGED FROM KDTW (7W/2020) TO KYIP (6W/1995) IAW AJV-A MEMO "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES" DATED 07/15/2022; ATC REQUESTED TO ADD ATC ASSIGNED HEADINGS ON VM LEG AND CHANGED ALTITUDE; VERBIAGE IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.C.(7).
14. DP ROUTE DESCRIPTION, CHANGED KYIP TAKEOFF RWY 27 FROM "CLIMB ON HEADING 275.57 TO 1220, THEN ON HEADING 275.56 FOR RADAR VECTORS TO" TO "CLIMB ON HEADING 274.56 OR AS ASSIGNED BY ATC, FOR RADAR VECTORS TO" - EARLY TURN AND LNAV ENGAGEMENT ALTITUDE NOT REQUIRED, SEGMENT CHANGED FROM VA-VM TO VM LEG; CLIMB ON HEADING MAG VAR CHANGED FROM KDTW (7W/2020) TO KYIP (6W/1995) IAW AJV-A MEMO "MAGNETIC VARIATION DOCUMENTATION FOR STANDARD INSTRUMENT DEPARTURES AND GRAPHIC OBSTACLE DEPARTURE PROCEDURES" DATED 07/15/2022; ATC REQUESTED TO ADD ATC ASSIGNED HEADINGS ON VM LEG; VERBIAGE IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.C.(7).
15. DP ROUTE DESCRIPTION, KARB, KDET, KONZ, KOZW, KTTF, KPTK, KVLL AND KMTC, CHANGED ATC ASSIGNED HEADING VERBIAGE FROM "OR AS ASSIGNED" TO "OR AS ASSIGNED BY ATC", MOVED "FOR RADAR VECTORS" FROM THE INDIVIDUAL RUNWAY DESCRIPTIONS TO THE SHARED ROUTE DESCRIPTIONS - UPDATED VERBIAGE AND DETAILED TEXTUAL ROUTE DESCRIPTION NOT NECESSARY IF CLEARLY UNDERSTOOD FROM GRAPHIC DEPICTION.
16. TRANSITION ROUTES, ADDED MOCAS - MOCA REQUIRED IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.D.(8).
17. MOVED PBN NAV SPEC/SENSORS FROM PROCEDURAL DATA NOTES TO PBN REQUIREMENT NOTES AND UPDATED VERBIAGE FROM "NOTE: RNAV 1" AND "NOTE: DME/DME/IRU OR GPS REQUIRED" TO "RNAV 1 - DME/DME/IRU OR GPS" - NEW PBN DOCUMENTATION FORMAT IAW IAW 8260.46J, 2-1-1.F.(6).(C).1.
18. MOVED "NOTE: RADAR REQUIRED" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES AND DELETED "NOTE:" - NEW DOCUMENTATION FORMAT.
19. PROCEDURAL DATA NOTES, DELETED "NOTE: KDTW/KYIP DEPARTURES: IF UNABLE TO ACCEPT 500 FT PER NM CLIMB RATE, ADVISE CLEARANCE DELIVERY ON INITIAL CONTACT" - REDUNDANT AND NOT NEEDED.
20. TAKEOFF MINIMUMS, CHANGED ALL CLIMB GRADIENT FORMATS FROM "FT PER NM" TO "FT/NM" - NEW FORMAT.
21. TAKEOFF MINIMUMS, CHANGED KDTW RWY 27L AND 27R FROM "500 FT PER NM TO 1146" TO "STANDARD" - EARLY TURN AND LNAV ENGAGEMENT CG NOT REQUIRED; LOWERED TO OBSTACLE-BASED CG.
22. TAKEOFF MINIMUMS, CHANGED KYIP RWY 23 FROM "500 FT PER NM TO 1220" TO "STANDARD" AND RWY 27 FROM "500 FT PER NM TO 1220" TO "209 FT/NM TO 1000" - EARLY TURN AND LNAV ENGAGEMENT CG NOT REQUIRED; LOWERED TO OBSTACLE-BASED CG.
23. TAKEOFF MINIMUMS, KTTF, ADDED "RWY 3, 21:" - LISTED RUNWAYS AUTHORIZED STANDARD TAKEOFF MINIMUMS.
24. TAKEOFF MINIMUMS, KOZW, ADDED "RWY 13, 31:" - LISTED RUNWAYS AUTHORIZED STANDARD TAKEOFF MINIMUMS.
25. TAKEOFF MINIMUMS, CHANGED KMTC RWY 19 CLIMB GRADIENT FROM 234 FT PER NM TO 235 FT/NM - UPDATED CALCULATIONS/CONTROLLING OBSTACLE SAME - CHANGED FROM 5D TO 4D BY OBSTACLE DATA TEAM.



DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TRMML	FOUR	TRMML4.TRMML	THREE	10/10/2019	16 May 2024

26. CONTROLLING OBSTACLES, KYIP RWY 27, CHANGED CONTROLLING OBSTRUCTION LAT/LONG FROM 421431.78N/0833411.47W TO 421431.80N/0833411.49W (MOVED 2.52 FT NORTHWEST) - UPDATED OBSTACLE DATA.

27. CONTROLLING OBSTACLES, KDET, ADDED VERBIAGE TO RWY 33 "OBSTACLES MANDATING ODP ROUTE DEVELOPMENT" - CG IS STANDARD/OBSTACLE IS REASON FOR EXTENDED ICA/IAW FAAO 8260.46J APPENDIX E.SECTION 1.2.J.(3).

28. CONTROLLING OBSTACLES, KONZ, DELETED COMMA BETWEEN "STACK" AND LAT/LONG - FIXED TYPO.

29. CONTROLLING OBSTACLES, KVLL RWY 10, DELETED CONTROLLING OBSTACLE - CG IS STANDARD.

30. CONTROLLING OBSTACLES, KVLL RWY 28, CHANGED CONTROLLING OBSTACLES FROM 940 FT MSL BLDG 423234.20N/0831235.50 (CG), 1749 FT MSL TOWER 422858.00N/0831219.00W (CGTA) TO 905 FT MSL BUILDING 423232.54N/0831234.07W - UPDATED OBSTACLE EVALUATION AND RETAINED CG AND CGTA TO MATCH PUBLISHED ODP AND REDUCE PILOT CONFUSION.

31. 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 ICA/IAW FAAO 8260.46J APPENDIX E.SECTION 1.2.J.(3).

32. ADDED MSA AT ALL AIRPORTS - REQUIRED IAW FAAO 8260.46J APPENDIX E. SECTION 1.2.K.

33. ADDITIONAL FLIGHT DATA, MAGNETIC VARIATION ADDED FOR ALL AIRPORTS AND UPDATED KDTW 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.

34. 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).

35. AIRPORTS SERVED, DELETED AIRPORT NAMES - NAMES NO LONGER REQUIRED.

36. COMMUNICATIONS, ADDED "CHART:" AND DELETED "DEP CON" - VERBIAGE REQUIRED AND DEP CON CHARTED AUTOMATICALLY IAW 8260.46J APPENDIX E. SECTION 1.2.O.

37. REMARKS, ADDED "100 FT MAXIMUM VEGETATION HEIGHT UTILIZED PER FPT CHECKLIST" - IAW 8260.46J, APPENDIX E, 2.Q.(3).

38. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" AND REMOVED FROM ADDITIONAL FLIGHT DATA - IAW 8260.46J, APPENDIX E, 2.Q.(3).

39. REMARKS: DELETED "MOCA(S) NOT CHARTED PER ATC REQUEST TO REDUCE CHART CLUTTER" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q.

40. REMARKS, ADDED "WAIVER ON FILE: TO NOT CHART MINIMUM CROSSING ALTITUDE AT IF FOR RADAR VECTORS" - INFORMATION ONLY IAW 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 TRMML; REQUIRED FOR KONZ AND KTTF" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q.

42. REMARKS, ADDED "KDTW CHART NOTE: SEE ADDITIONAL REQUIREMENTS ON AAUP" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q.

43. REMRKS, 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.

44. 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.

45. REMARKS, ADDED "MEA BASED ON LOWEST DME/DME COVERAGE" - INFORMATION ONLY IAW 8260.46J, APPENDIX E, 2.Q.

46. ADDITIONAL FLIGHT DATA, ADDED "CHART SPEED ICON MAXIMUM 230 KIAS AT WINRS" - IAW 8260.46J, 2-1-1.E.(4).(B).

04/08/2024: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 01/26/2024.

1. ADDED TRANSITION NAME GNZOE TO THE TRANSITION.
2. GNZOE TRANSITION: CORRECTED TRMML TO DDEEZ TRACK FROM 353.32 TO 352.32.





**FEDERAL AVIATION ADMINISTRATION  
FLIGHT STANDARDS SERVICE  
DEPARTURE (DATA RECORD)**

DP NAME				NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED		ACTUAL EFFECTIVE DATE	
TRMML				FOUR		TRMML4.TRMML		THREE		10/10/2019		16 May 2024	
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS				
DETROIT METRO WAYNE COUNTY (KDTW)													
RW03L (AER)	421228.21N/0832104.39W	N	-	-	-	-							
1146 MSL	-	-	-	VA	028.71		AT/ABOVE 1146		CG 500 FT PER NM TO 1146				
DCATS	422712.00N/0831009.17W	Y	FB	DF			AT/BELOW 7000						
EERNY	423600.37N/0831417.98W	Y	FB	TF	340.82	9.32	AT/BELOW 11000						
LOALA	425401.32N/0832208.62W	Y	FB	TF	342.25	18.92							
RW03R (AER)	421144.21N/0832106.49W	N	-	-	-	-							
1146 MSL	-	-	-	VA	028.71		AT/ABOVE 1146		CG 500 FT PER NM TO 1146				
BURPZ	421517.69N/0831829.10W	Y	FB	DF									
DCATS	422712.00N/0831009.17W	Y	FB	TF	027.39	13.41	AT/BELOW 7000						
EERNY	423600.37N/0831417.98W	Y	FB	TF	340.82	9.32	AT/BELOW 11000						
LOALA	425401.32N/0832208.62W	Y	FB	TF	342.25	18.92							
RW04L (AER)	421207.82N/0832302.40W	N	-	-	-								
1146 MSL	-	-	-	VA	028.68		AT/ABOVE 1146		CG 500 FT PER NM TO 1146				
MINDY	421559.47N/0832011.78W	Y	FB	DF									
KKELL	422730.48N/0831053.34W	Y	FB	TF	030.88	13.42	AT/BELOW 7000						
EERNY	423600.37N/0831417.98W	Y	FB	TF	343.49	8.86	AT/BELOW 11000						
LOALA	425401.32N/0832208.62W	Y	FB	TF	342.25	18.92							

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NFDD NO. 071							04/11/2024		26		
DP NAME							NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
TRMML							FOUR	TRMML4.TRMML	THREE	10/10/2019	16 May 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS		
RW04R (AER)*	421212.78N/0832213.32W*	N	-	-	-	-			*DISPL THLD (509 FT)		
1146 MSL	-	-	-	VA	028.70		AT/ABOVE 1146		CG 500 FT PER NM TO 1146		
KKELL	422730.48N/0831053.34W	Y	FB	DF			AT/BELOW 7000				
EERNY	423600.37N/0831417.98W	Y	FB	TF	343.49	8.86	AT/BELOW 11000				
LOALA	425401.32N/0832208.62W	Y	FB	TF	342.25	18.92					
RW21L (AER)	421310.86N/0832002.65W	N	-	-	-	-					
-	421050.18N/0832146.27W	-	-	VI	208.72	2.67			CG 500 FT PER NM TO 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				
TURFF	421644.40N/0830113.28W	Y	FB	TF	029.34	11.22					
LOALA	425401.32N/0832208.62W	Y	FB	TF	337.60	40.35					
RW21R (AER)	421341.86N/0832010.11W	N	-	-	-	-					
-	421134.48N/0832143.96W	-	-	VI	208.72	2.42			CG 500 FT PER NM TO 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					
LOALA	425401.32N/0832208.62W	Y	FB	TF	337.60	40.35					



DP NAME		NUMBER		DP COMPUTER CODE		SUPERSEDED NUMBER		DATED	ACTUAL EFFECTIVE DATE
TRMML		FOUR		TRMML4.TRMML		THREE		10/10/2019	16 May 2024
FIX/NAVAID	LAT/LONG	C	FO/FB	LEG TYPE	TC	DIST (NM)	ALTITUDE	SPEED	REMARKS
RW22L (AER)	421352.36N/0832059.97W	N	-	-	-	-			
-	421114.77N/0832256.02W	-	-	VI	208.71	2.99			CG 500 FT PER NM TO 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		
LOALA	425401.32N/0832208.62W	Y	FB	TF	020.07	43.41			
RW22R (AER)	421334.48N/0832158.61W	N	-	-	-	-			
-	421115.08N/0832341.19W	-	-	VI	208.69	2.65			CG 500 FT PER NM TO 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	9.08	AT/BELOW 7000		
LOALA	425401.32N/0832208.62W	Y	FB	TF	020.07	43.41			
RW27L (AER)	421158.34N/0831949.33W	N	-	-	-	-			
-	-	-	-	VM	268.73	-			
RW27R (AER)	421303.02N/0831951.71W	N	-	-	-	-			
-	-	-	-	VM	268.72	-			
WILLOW RUN (KYIP)									
RW05 (AER)	421350.25N/0833223.46W	N	-	-	-	-			
1220 MSL	-	-	-	VA	046.70	-	AT/ABOVE 1220		CG 500 FT PER NM TO 1220
-	-	-	-	VM	294.00	-			

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<u>DP NAME</u>		<u>NUMBER</u>		<u>DP COMPUTER CODE</u>		<u>SUPERSEDED NUMBER</u>		<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
TRMML		FOUR		TRMML4.TRMML		THREE		10/10/2019	16 May 2024
<u>FIX/NAVAID</u>	<u>LAT/LONG</u>	<u>C</u>	<u>FO/FB</u>	<u>LEG TYPE</u>	<u>TC</u>	<u>DIST (NM)</u>	<u>ALTITUDE</u>	<u>SPEED</u>	<u>REMARKS</u>
RW09 (AER)	421438.22N/0833235.98W	N	-	-	-	-			
1220 MSL	-	-	-	VA	088.55	-	AT/ABOVE 1220		CG 500 FT PER NM TO 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 TO 1000
LOALA	425401.32N/0832208.62W	Y	-	IF	-	-			
TRMML	431218.76N/0832851.90W	Y	FB	TF	344.96	18.94			
TRMML	431218.76N/0832851.90W	Y	-	IF	-	-			TRMML4.GNZOE
DDEEZ	433232.50N/0833609.08W	Y	FB	TF	345.32	20.91			
GNZOE	434300.00N/0834000.00W	Y	FB	TF	345.06	10.82			

