



NATIONAL FLIGHT DATA DIGEST

Aeronautical Information Services
Toll Free 1-866-295-8236

Friday

NO. 087

05/05/2023

NAVAID/COM

FLORIDA		NFDD 087 - 1	05/05/2023	
ZEPHYRHILLS - ZEPHYRHILLS MUNI(ZPH)				
AWOS-3PT	ZPH			
LATITUDE	28-13-06.4903 N			MODIFIED
LONGITUDE	082-09-23.1411 W			MODIFIED
ELEVATION	82.3			MODIFIED

ILLINOIS		NFDD 087 - 2	05/05/2023	
SALEM - SALEM-LECKRONE(SLO)				
AWOS-3	SLO			
PHONE NUMBER	618-312-1051			MODIFIED

NAVAIDS

IDAHO		NFDD 087 - 1	05/05/2023	
LEWISTON				
NEZ PERCE VOR/DME				
IDENT	MQG			
LAT	46-22-53.6079 N			
LONG	116-52-10.2369 W			
FREQUENCY	114.45			MODIFIED
CHAN	91Y			MODIFIED
RMK	DATA EFFECTIVE 6/15/2023.			NOTE

TEXAS		NFDD 087 - 2	05/05/2023	
FORT CAVAZOS (KILLEEN)				
HOOD NDB				
IDENT	HLR			
LAT	31-07-45.1282 N			
LONG	097-42-37.244 W			
CITY	FORT HOOD(KILLEEN)			REPLACED
CITY	FORT CAVAZOS (KILLEEN)			NEW

WASHINGTON		NFDD 087 - 3	05/05/2023	
PULLMAN/MOSCOW				
PULLMAN VOR/DME				
IDENT	PUW			
LAT	46-40-27.2635 N			
LONG	117-13-24.6121 W			
FREQUENCY	117.15			MODIFIED
CHAN	118Y			MODIFIED

INSTRUMENT LANDING SYSTEMS

ARKANSAS		NFDD 087 - 1	05/05/2023
PINE BLUFF			
PINEBLUFF RGNL/GRIDER FLD AIRPORT ILS RWY 18			
IDENT	I-PBF		
RMK	AUTOPILOT CPD APCH NA BLW 900 MSL.		ADDED

AIR TRAFFIC CONTROL TOWERS

FLORIDA		NFDD 087 - 1	05/05/2023
JACKSONVILLE			
JACKSONVILLE NAS (TOWERS FLD)-ATCT			
IDENT	NIP		
FREQUENCIES			
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	127.0		ADDED
FREQUENCY USE	ALCRN STAR		ADDED
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	269.9		ADDED
FREQUENCY USE	ALCRN STAR		ADDED

FLORIDA		NFDD 087 - 2	05/05/2023
JACKSONVILLE			
CECIL-ATCT			
IDENT	VQQ		
FREQUENCIES			
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	127.0		ADDED
FREQUENCY USE	ALCRN STAR		ADDED
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	269.9		ADDED
FREQUENCY USE	ALCRN STAR		ADDED

FLORIDA		NFDD 087 - 3	05/05/2023
JACKSONVILLE			
JACKSONVILLE EXEC AT CRAIG-ATCT			
IDENT	CRG		
FREQUENCIES			
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	127.0		ADDED
FREQUENCY USE	ALCRN STAR		ADDED

APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	269.9		ADDED
FREQUENCY USE	ALCRN STAR		ADDED
FLORIDA		NFDD 087 - 4	05/05/2023
JACKSONVILLE			
JACKSONVILLE INTL-ATCT-TRACON			
IDENT	JAX		
FREQUENCIES			
FREQUENCY	127.0		
FREQUENCY USE	ALCRN STAR		ADDED
FREQUENCY	269.9		
FREQUENCY USE	ALCRN STAR		ADDED
FLORIDA		NFDD 087 - 5	05/05/2023
MAYPORT			
MAYPORT NS (ADM DAVID L MCDONALD FLD)-ATCT			
IDENT	NRB		
FREQUENCIES			
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	127.0		ADDED
FREQUENCY USE	ALCRN STAR		ADDED
APCH/DEP CALL	JACKSONVILLE		
FREQUENCY	269.9		ADDED
FREQUENCY USE	ALCRN STAR		ADDED
MAINE		NFDD 087 - 6	05/05/2023
BREWER			
BREWER-NON-ATCT			
IDENT	0B2		
RMK	CLNC DEL THRU BANGOR APCH ON FREQ 125.3.		DELETED
SOUTH CAROLINA		NFDD 087 - 7	05/05/2023
CHARLESTON			
CHARLESTON EXEC-NON-ATCT			
IDENT	JZI		
FREQUENCIES			
APCH/DEP CALL	CHARLESTON		
FREQUENCY	119.3		DELETED
FREQUENCY USE	KMBEE DP		DELETED
APCH/DEP CALL	CHARLESTON		
FREQUENCY	121.275		ADDED
FREQUENCY USE	KMBEE DP		ADDED

CHARLESTON AFB/INTL-ATCT-TRACON

IDENT CHS

FREQUENCIES

FREQUENCY	119.3	DELETED
FREQ SECTORIZATION	;331-150	DELETED
FREQUENCY USE	APCH/P DEP/P	DELETED
FREQUENCY	119.3	DELETED
FREQ SECTORIZATION	;331-150	DELETED
FREQUENCY USE	CLASS C	DELETED
FREQUENCY	119.3	DELETED
FREQ SECTORIZATION	;331-150	DELETED
FREQUENCY USE	AMYL U STAR	DELETED
FREQUENCY	119.3	DELETED
FREQ SECTORIZATION	;331-150	DELETED
FREQUENCY USE	MLTRE DP	DELETED
FREQUENCY	119.3	DELETED
FREQ SECTORIZATION	;331-150	DELETED
FREQUENCY USE	PLMTO DP	DELETED
FREQUENCY	119.3	DELETED
FREQ SECTORIZATION	;331-150	DELETED
FREQUENCY USE	SWPFX DP	DELETED
FREQUENCY	121.275	ADDED
FREQ SECTORIZATION	;331-150	ADDED
FREQUENCY USE	AMYL U STAR	ADDED
FREQUENCY	121.275	ADDED
FREQ SECTORIZATION	;331-150	ADDED
FREQUENCY USE	APCH/P DEP/P	ADDED
FREQUENCY	121.275	ADDED
FREQ SECTORIZATION	;331-150	ADDED
FREQUENCY USE	CLASS C	ADDED
FREQUENCY	121.275	ADDED
FREQ SECTORIZATION	;331-150	ADDED
FREQUENCY USE	MLTRE DP	ADDED
FREQUENCY	121.275	ADDED
FREQ SECTORIZATION	;331-150	ADDED
FREQUENCY USE	PLMTO DP	ADDED
FREQUENCY	121.275	ADDED
FREQ SECTORIZATION	;331-150	ADDED
FREQUENCY USE	SWPFX DP	ADDED

SOUTH CAROLINA	NFDD 087 - 9	05/05/2023	
MONCK'S CORNER			
BERKELEY COUNTY-NON-ATCT			
IDENT	MKS		
FREQUENCIES			
APCH/DEP CALL	CHARLESTON		
FREQUENCY	119.3		DELETED
FREQUENCY USE	APCH/P DEP/P		DELETED
APCH/DEP CALL	CHARLESTON		
FREQUENCY	121.275		ADDED
FREQUENCY USE	APCH/P DEP/P		ADDED

SOUTH CAROLINA	NFDD 087 - 10	05/05/2023	
MOUNT PLEASANT			
MT PLEASANT RGNL-FAISON FLD-NON-ATCT			
IDENT	LRO		
FREQUENCIES			
APCH/DEP CALL	CHARLESTON		
FREQUENCY	119.3		DELETED
FREQUENCY USE	APCH/P DEP/P		DELETED
APCH/DEP CALL	CHARLESTON		
FREQUENCY	121.275		ADDED
FREQUENCY USE	APCH/P DEP/P		ADDED

AIRPORT

ALASKA	NFDD 087 - 1	05/05/2023	
SHEMYA			
EARECKSON AS AIRPORT	(SYA)	50699.A	PRIVATE
LATITUDE - 52-42-44.13 N	LONGITUDE -	174-06-48.92 E	
ARPT ATTEND SKED	ALL/ MON, WED & FRI/ 2200Z-0200Z		MODIFIED
RMK ARPT ATTEND SKED: CLSD TUE, THU, WKEND & HOL.			MODIFIED
RMK CTAF: 352.050 CTAF.			DELETED
RMK HVY GOOSE ACTVT APR-JUN & AUG-OCT; GULLS & RAVENS INVOF			MODIFIED
ARPT. RPT BIRD/WILDLIFE STRIKES ON OR INVOF EARECKSON - EAS			
AFLD OPS/TWR			
D317-392-3505/C907-392-3505 & 11AF/SE D317-552-4730/C907-552-4730.			
RMK TWY A, D, & PRI HCP CLSD. ALT HCP 72 HR PPR.			MODIFIED
RMK 7 DAY OR 45 DAY FOREIGN NATNL ARR NOTICE & PPR -			MODIFIED
D317-552-5020/5107/C907-552-5020/5107 & PPR AFLD OPS -			
D317-392-3505/3606/4005/C907-392-3505/3606/4005.			
RMK SVC FEE RQRD. TSNT SVC MON, WED & FRI 2200Z-0200Z; CLSD WKEND			MODIFIED
& HOL. AFT HR MAY INCUR O/T & SVC FEE.			
RMK CTAF ADVSY 352.05 UNAVBL 0200-1000Z++ MON-SAT, SUN & HOL. AFT			MODIFIED
HR SKED ARR CTAF ADVSY 352.05 AVBL ONE HR PRIOR-ONE HR AFT			
DEP.			
RMK WX/AFLD OPS - D317-392-4005/C907-392-4005.			ADDED

RMK	COORD ETOP OR AFLD CRITERIA - D317-392-3362/C907-392-3362.	ADDED
RMK	UNCTLD ARPT; PRAC APCH, FLEET SVC, CUSTOMS & ACFT MAINT NA. DEICER SAE AMS 1424P TYPE 1 AVBL WITH 1 HR PN.	ADDED
RMK	CIVIL OPS LDG PERMIT 30 DAY PPR - C907-552-0424/D317-552-0424.	ADDED
RMK	MANNED OBS SUPPLEMENTED BY ASOS 1000-0200Z. RDO NAV FAC UNMNT 0001-1400Z DLY; CONS WKEND AND HOL.	ADDED
CTAF	352.05	MODIFIED
RWY ID	10/28	
RMK	WIDTH: WITH 25 FT SHOULDERS.	MODIFIED
RMK	RWY ID: CTN: 200 FT TURN RADIUS MAX; TOW BAR & PSNL FOR LRG COML ACFT RQRG GTR THAN 200 FT TURNAROUND NA. NO OVERRUN; SHEER DROP OFFS.	MODIFIED
RMKMILITARY VALIDATED FIL PASY-222193....	NOTE

ALASKA	NFDD 087 - 2	05/05/2023	
STERLING			
SCOOTERS LANDING STRIP AIRPORT	(AK84)	50720.05A	PRIVATE
LATITUDE - 60-31-46.0 N	LONGITUDE -	150-49-51.0 W	
ARPT NAME	SCOOTER'S LANDING STRIP		REPLACED
ARPT NAME	SCOOTERS LANDING STRIP		NEW

CALIFORNIA	NFDD 087 - 3	05/05/2023	
ESCONDIDO			
PALOMAR HEALTH DOWNTOWN CAMPUS HELIPORT	(CL48)	01552.13H	PRIVATE
LATITUDE - 33-07-28.3 N	LONGITUDE -	117-04-32.25 W	
ARPT STATUS	ABANDONED		MODIFIED

CALIFORNIA	NFDD 087 - 4	05/05/2023	
INYOKERN			
INYOKERN AIRPORT	(IYK)	01695.A	
LATITUDE - 35-39-31.4686 N	LONGITUDE -	117-49-46.317 W	
RWY ID	10/28		
RMK	SURFACE: POOR BUT STABLE. PTNS OF RWY CTRLN MARKING OBSCD BY CRACK FILLER.		MODIFIED

FLORIDA	NFDD 087 - 5	05/05/2023	
COCOA BEACH			
PATRICK SPACE FORCE BASE AIRPORT	(COF)	03121.A	PRIVATE
LATITUDE - 28-14-06.024 N	LONGITUDE -	080-36-35.921 W	
RMK	TRAN ALERT: OPS 1300-0500Z++ MON-FRI; CLSD HOL. ALL TRAN ARR OR DEP RQR TRAN ALERT ASST; NO ARR AFT 0430Z. REQ FOR SVCS OUTSIDE NML HR MUST BE FWD THRU AFLD MGMT NLT 10-WORK DAYS IN ADV.		MODIFIED
RMKMILITARY VALIDATED (FIL KCOF-222461)....		NOTE

FLORIDA	NFDD 087 - 6	05/05/2023	
LEESBURG			
SILVER LAKE SEAPLANE BASE	(48FA)	03248.5C	PRIVATE
LATITUDE - 28-50-31.09 N	LONGITUDE -	081-48-27.04 W	
ARPT ELEV	63 E		ADDED
ARPT ELEV DATE	05/01/2023		ADDED
ARPT ELEV SOURCE	OWNER		ADDED
LATITUDE	28-50-31.09 N		ADDED

LONGITUDE	081-48-27.04 W	ADDED
ARPT PSN DATE	05/01/2023	ADDED
ARPT PSN SOURCE	OWNER	ADDED
ARPT NAME	SILVER LAKE	ADDED
CITY	LEESBURG	ADDED
DIST AND DRCTN	5 ENE	ADDED
ARPT ID	48FA	ADDED
ARPT SITE NO	03248.5C	ADDED
AIRPORT USE	PRIVATE	ADDED
ARPT STATUS	OPERATIONAL	ADDED
FSS ID	PIE*SAINT PETERSBURG	ADDED
FSS TOLL FREE NUMBER	1-800-WX-BRIEF	ADDED
INSPECTOR CODE	NOT INSPECTED	ADDED
AIRSPACE DETERMINATION	NO OBJECTION	ADDED
CTAF	122.9	ADDED
MIN OPERATIONAL NETWORK	NO	ADDED
RWY ID	13W/31W	
LENGTH	4077	ADDED
LENGTH DATE	05/01/2023	ADDED
LENGTH SOURCE	OWNER	ADDED
WIDTH	90	ADDED
SURFACE	WATER	ADDED
RWY END	13W	
RWY END	13W	ADDED
ELEVATION	63	ADDED
RWY END ELEV DATE	05/01/2023	ADDED
RWY END ELEV SOURCE	OWNER	ADDED
LATITUDE	28-50-31.09 N	ADDED
LONGITUDE	081-48-27.04 W	ADDED
RWY END PSN DATE	05/01/2023	ADDED
RWY END PSN SOURCE	OWNER	ADDED
RWY END	31W	
RWY END	31W	ADDED
RGT TFC	YES	ADDED
ELEVATION	63	ADDED
RWY END ELEV DATE	05/01/2023	ADDED
RWY END ELEV SOURCE	OWNER	ADDED
LATITUDE	28-50-05.0 N	ADDED
LONGITUDE	081-47-52.06 W	ADDED
RWY END PSN DATE	05/01/2023	ADDED
RWY END PSN SOURCE	OWNER	ADDED

FLORIDA	NFDD 087 - 7	05/05/2023
MINNEOLA		
ADVENTHEALTH MINNEOLA HELIPORT	(24FA)	03353.105H PRIVATE
LATITUDE - 28-36-12.0 N	LONGITUDE -	081-43-11.0 W
ARPT ELEV	211 E	ADDED
ARPT ELEV DATE	05/03/2023	ADDED
ARPT ELEV SOURCE	OWNER	ADDED
LATITUDE	28-36-12.0 N	ADDED
LONGITUDE	081-43-11.0 W	ADDED
ARPT PSN DATE	05/03/2023	ADDED
ARPT PSN SOURCE	OWNER	ADDED
ARPT NAME	ADVENTHEALTH MINNEOLA	ADDED

CITY	MINNEOLA	ADDED
DIST AND DRCTN	3 NE	ADDED
ARPT ID	24FA	ADDED
ARPT SITE NO	03353.105H	ADDED
AIRPORT USE	PRIVATE	ADDED
ARPT STATUS	OPERATIONAL	ADDED
FSS ID	PIE*SAINT PETERSBURG	ADDED
FSS TOLL FREE NUMBER	1-800-WX-BRIEF	ADDED
INSPECTOR CODE	NOT INSPECTED	ADDED
AIRSPACE DETERMINATION	NO OBJECTION	ADDED
CTAF	122.9	ADDED
MIN OPERATIONAL NETWORK	NO	ADDED
RWY ID	H1	
LENGTH	40	ADDED
LENGTH DATE	05/03/2023	ADDED
LENGTH SOURCE	OWNER	ADDED
WIDTH	40	ADDED
SURFACE	CONC	ADDED
RWY END	H1	
RWY END	H1	ADDED
ELEVATION	133	ADDED
RWY END ELEV DATE	05/03/2023	ADDED
RWY END ELEV SOURCE	OWNER	ADDED
LATITUDE	28-36-12.0 N	ADDED
LONGITUDE	081-43-11.0 W	ADDED
RWY END PSN DATE	05/03/2023	ADDED
RWY END PSN SOURCE	OWNER	ADDED

FLORIDA	NFDD 087 - 8	05/05/2023
RIVERVIEW		
ADVENTHEALTH RIVERVIEW HELIPORT	(26FA)	03463.03H PRIVATE
LATITUDE - 27-51-38.79 N	LONGITUDE -	082-19-31.11 W
ARPT ELEV	164 E	ADDED
ARPT ELEV DATE	05/03/2023	ADDED
ARPT ELEV SOURCE	OWNER	ADDED
LATITUDE	27-51-38.79 N	ADDED
LONGITUDE	082-19-31.11 W	ADDED
ARPT PSN DATE	05/03/2023	ADDED
ARPT PSN SOURCE	OWNER	ADDED
ARPT NAME	ADVENTHEALTH RIVERVIEW	ADDED
CITY	RIVERVIEW	ADDED
DIST AND DRCTN	1 S	ADDED
ARPT ID	26FA	ADDED
ARPT SITE NO	03463.03H	ADDED
AIRPORT USE	PRIVATE	ADDED
ARPT STATUS	OPERATIONAL	ADDED
FSS ID	PIE*SAINT PETERSBURG	ADDED
FSS TOLL FREE NUMBER	1-800-WX-BRIEF	ADDED
INSPECTOR CODE	NOT INSPECTED	ADDED
AIRSPACE DETERMINATION	CONDL	ADDED
CTAF	122.9	ADDED
MIN OPERATIONAL NETWORK	NO	ADDED
RWY ID	H1	
LENGTH	55	ADDED

LENGTH DATE	05/03/2023	ADDED
LENGTH SOURCE	OWNER	ADDED
WIDTH	55	ADDED
SURFACE	CONC	ADDED
RWY END	H1	
RWY END	H1	ADDED
ELEVATION	164	ADDED
RWY END ELEV DATE	05/03/2023	ADDED
RWY END ELEV SOURCE	OWNER	ADDED
LATITUDE	27-51-38.79 N	ADDED
LONGITUDE	082-19-31.11 W	ADDED
RWY END PSN DATE	05/03/2023	ADDED
RWY END PSN SOURCE	OWNER	ADDED

FLORIDA
ZEPHYRHILLS

NFDD 087 - 9 05/05/2023

ZEPHYRHILLS MUNI AIRPORT

(ZPH) 03577.A

LATITUDE -	28-13-36.01 N	LONGITUDE -	082-09-20.323 W	
ARPT ELEV DATE	07/20/2022			MODIFIED
LATITUDE	28-13-36.01 N			MODIFIED
LONGITUDE	082-09-20.323 W			MODIFIED
ARPT PSN DATE	07/20/2022			MODIFIED
RWY ID	01/19			
LENGTH	6201			MODIFIED
LENGTH DATE	07/20/2022			MODIFIED
WIDTH	100			RECAP
SURFACE	ASPH - GOOD			RECAP
RWY END	01			
ELEVATION	78.7			MODIFIED
RWY END ELEV DATE	07/20/2022			MODIFIED
LATITUDE	28-12-57.942 N			MODIFIED
LONGITUDE	082-09-12.2242 W			MODIFIED
RWY END PSN DATE	07/20/2022			MODIFIED
THRESH DSPLCD	306			DELETED
DSPL THR ELEVATION	80.2			DELETED
DSPL THR ELEV DATE	02/12/2015			DELETED
DSPL THR ELEV SOURCE	3RD PARTY SURVEY			DELETED
DSPL THR LATITUDE	28-13-15.8928 N			DELETED
DSPL THR LONGITUDE	082-09-12.1146 W			DELETED
DSPL THR PSN DATE	02/12/2015			DELETED
DSPL THR PSN SOURCE	3RD PARTY SURVEY			DELETED
TDZ ELEVATION	82.3			MODIFIED
TDZ ELEV DATE	07/20/2022			MODIFIED
VGSI	4-LIGHT PAPI ON LEFT SIDE OF RUNWAY			RECAP
THR CROSSING HGT	45			MODIFIED
VISUAL GLIDE ANGLE	3.00			RECAP
TORA	4694			DELETED
TODA	4694			DELETED
ASDA	4694			DELETED
LDA	4387			DELETED
RWY END	19			
RWY END ELEV DATE	07/20/2022			MODIFIED
LATITUDE	28-13-59.3361 N			MODIFIED
LONGITUDE	082-09-11.8478 W			MODIFIED

RWY END PSN DATE	07/20/2022	MODIFIED
TDZ ELEVATION	89.8	MODIFIED
TDZ ELEV DATE	07/20/2022	MODIFIED
TORA	4694	DELETED
TODA	4694	DELETED
ASDA	4694	DELETED
LDA	4694	DELETED
RWY ID	05/23	
LENGTH	5001	MODIFIED
LENGTH DATE	07/20/2022	MODIFIED
WIDTH	100	RECAP
SURFACE	ASPH - EXCELLENT	RECAP
RWY END	05	
RWY END ELEV DATE	07/20/2022	MODIFIED
LATITUDE	28-13-26.9503 N	MODIFIED
LONGITUDE	082-09-49.5542 W	MODIFIED
RWY END PSN DATE	07/20/2022	MODIFIED
TDZ ELEV DATE	07/20/2022	MODIFIED
RWY END	23	
ELEVATION	88.1	MODIFIED
RWY END ELEV DATE	07/20/2022	MODIFIED
LATITUDE	28-14-03.3449 N	MODIFIED
LONGITUDE	082-09-11.6413 W	MODIFIED
RWY END PSN DATE	07/20/2022	MODIFIED
TDZ ELEV DATE	07/20/2022	MODIFIED

GUAM	NFDD 087 - 10	05/05/2023	
GUAM			
GUAM INTL AIRPORT	(GUM)	51510.A	
LATITUDE - 13-29-02.227 N	LONGITUDE -	144-47-49.666 E	
RMK RWY 06 AND RWY 24 WIND CONE NSTD.			ADDED

INDIANA	NFDD 087 - 11	05/05/2023	
GREENFIELD			
SCHLETER FLD AIRPORT	(IN09)	05315.31A	PRIVATE OBJECTIONABLE
LATITUDE - 39-48-18.19 N	LONGITUDE -	085-51-17.32 W	
ARPT ELEV	860 E		MODIFIED
ARPT ELEV DATE	04/27/2023		ADDED
ARPT ELEV SOURCE	ADO		ADDED
ARPT PSN DATE	04/27/2023		ADDED
ARPT PSN SOURCE	ADO		ADDED
DIST AND DRCTN	4 NNW		ADDED
ARPT ID	01N		REPLACED
ARPT ID	IN09		NEW
AIRSPACE DETERMINATION	OBJECTIONABLE		ADDED
RWY ID	08/26		
LENGTH DATE	04/27/2023		ADDED
LENGTH SOURCE	ADO		ADDED
RWY END	08		
RGT TFC	YES		ADDED
ELEVATION	860		ADDED
RWY END ELEV DATE	04/27/2023		ADDED
RWY END ELEV SOURCE	ADO		ADDED
LATITUDE	39-48-19.21 N		ADDED

LONGITUDE	085-51-03.28 W	ADDED
RWY END PSN DATE	04/27/2023	ADDED
RWY END PSN SOURCE	ADO	ADDED
RWY END	26	
ELEVATION	850	ADDED
RWY END ELEV DATE	04/27/2023	ADDED
RWY END ELEV SOURCE	ADO	ADDED
LATITUDE	39-48-17.17 N	ADDED
LONGITUDE	085-51-31.36 W	ADDED
RWY END PSN DATE	04/27/2023	ADDED
RWY END PSN SOURCE	ADO	ADDED
INDIANA	NFDD 087 - 12	05/05/2023
SOUTH BEND		
SOUTH BEND INTL AIRPORT	(SBN)	05661.A
LATITUDE - 41-42-29.606 N	LONGITUDE -	086-19-02.415 W
RWY ID	09R/27L	
RWY END	27L	
RVR	TOUCHDOWN, ROLLOUT	MODIFIED
KANSAS	NFDD 087 - 13	05/05/2023
WICHITA		
COLONEL JAMES JABARA AIRPORT	(AAO)	06976.A
LATITUDE - 37-44-51.267 N	LONGITUDE -	097-13-16.024 W
RMK BEECH FACTORY ARPT CLASS D ASP BEGINS 1 MILE S OF RWY 18.		MODIFIED
RMK SOUTHERLY AND SOUTHEASTERLY VFR ARR AND DEP NOT RCMDD WO ATC RADAR SVCS DUE TO BEECH FACTORY ARPT AND MCCONNELL AFB CLASS D AFB ASP.		MODIFIED
RMK VFR ARR AND DEP ARE RCMDD TO RMN AOB 2500 FT MSL WITHIN 5 MILES DUE TO HEAVY MIL TFC 3000 FT MSL.		MODIFIED
RMK MIGRATORY BIRDS INVOF ARPT, ALL QUADS.		MODIFIED
RMK ACFT ENG RUNS ABV IDLE NOT APPROVED ON ACFT PRKG RAMPS.		ADDED
MASSACHUSETTS	NFDD 087 - 14	05/05/2023
NORWOOD		
NORWOOD MEML AIRPORT	(OWD)	09180.A
LATITUDE - 42-11-25.9 N	LONGITUDE -	071-10-22.6 W
FUEL	A+	ADDED
MICHIGAN	NFDD 087 - 15	05/05/2023
HESSEL		
ALBERT J LINDBERG AIRPORT	(5Y1)	09914.A
LATITUDE - 46-02-07.545 N	LONGITUDE -	084-25-03.71 W
LONGITUDE	084-25-03.71 W	MODIFIED
ARPT PSN DATE	05/03/2023	ADDED
ARPT PSN SOURCE	FAA-EST	ADDED
FUEL	100LL	ADDED
RMK APT LGT SKED: ACTVT PAPI RWY 09 & 27; MIRL RWY 09/27 - CTAF.		MODIFIED
RMK FUEL: 100LL: FOR AVGAS CALL 989-513-2207.		ADDED
RMK FOR FICONS CALL AMGR OR 989-513-2207.		MODIFIED
RMK FOR AV GAS CALL (616) 293-5849.		DELETED
EPOCH YEAR	1985	DELETED
MAG-VAR	6 W	DELETED
RWY ID	09/27	

RWY END	09		
CTLG OBSTN	ROAD		RECAP
RMK	CTLG OBSTN: +15 FT RD 258 FT FM RY END, 3:1.		DELETED
RMK	MKG TYPE - COND: FADED.		ADDED
RWY END	27		
RMK	MKG TYPE - COND: FADED.		MODIFIED
MISSOURI		NFDD 087 - 16	05/05/2023
FORT LEONARD WOOD			
WAYNESVILLE-ST ROBERT RGNL FORNEY FLD AIRPORT		(TBN)	11730.A
LATITUDE -	37-44-29.9 N	LONGITUDE -	092-08-26.6 W
ARFF INDEX	II A SCHEDULED 02/2019		MODIFIED
NEW JERSEY		NFDD 087 - 17	05/05/2023
ANDOVER			
AEROFLEX/ANDOVER AIRPORT		(12N)	13478.1A
LATITUDE -	41-00-31.031 N	LONGITUDE -	074-44-16.922 W
RMK	DEER & BIRDS ON & INVOF APRT.		DELETED
NEW JERSEY		NFDD 087 - 18	05/05/2023
BERLIN			
CAMDEN COUNTY AIRPORT		(19N)	13536.A
LATITUDE -	39-46-42.4 N	LONGITUDE -	074-56-52.1 W
FUEL	100LL		DELETED
RWY ID	05/23		
RMK	SURFACE: LRG LONGL CRACK IN MID OF RWY.		ADDED
OKLAHOMA		NFDD 087 - 19	05/05/2023
STROUD			
MIDWAY AIRPORT		(OL39)	19247.05A PRIVATE
LATITUDE -	35-41-55.0 N	LONGITUDE -	096-40-39.0 W
ARPT ELEV	853 E		ADDED
ARPT ELEV DATE	03/25/2022		ADDED
ARPT ELEV SOURCE	OWNER		ADDED
LATITUDE	35-41-55.0 N		ADDED
LONGITUDE	096-40-39.0 W		ADDED
ARPT PSN DATE	03/25/2022		ADDED
ARPT PSN SOURCE	OWNER		ADDED
ARPT NAME	MIDWAY		ADDED
CITY	STROUD		ADDED
DIST AND DRCTN	3 SSW		ADDED
ARPT ID	OL39		ADDED
ARPT SITE NO	19247.05A		ADDED
AIRPORT USE	PRIVATE		ADDED
ARPT STATUS	OPERATIONAL		ADDED
FSS ID	MLC*MC ALESTER		ADDED
FSS TOLL FREE NUMBER	1-800-WX-BRIEF		ADDED
INSPECTOR CODE	NOT INSPECTED		ADDED
AIRSPACE DETERMINATION	NO OBJECTION		ADDED
MIN OPERATIONAL NETWORK	NO		ADDED
RWY ID	17/35		
LENGTH	2477		ADDED
LENGTH DATE	03/25/2022		ADDED

LENGTH SOURCE	OWNER	ADDED
WIDTH	100	ADDED
SURFACE	TURF - FAIR	ADDED
SURF TREATMENT	NONE	ADDED
RWY END	17	
RWY END	17	ADDED
ELEVATION	850	ADDED
RWY END ELEV DATE	03/25/2022	ADDED
RWY END ELEV SOURCE	OWNER	ADDED
LATITUDE	35-42-07.0 N	ADDED
LONGITUDE	096-40-42.0 W	ADDED
RWY END PSN DATE	03/25/2022	ADDED
RWY END PSN SOURCE	OWNER	ADDED
RWY END	35	
RWY END	35	ADDED
ELEVATION	840	ADDED
RWY END ELEV DATE	03/25/2022	ADDED
RWY END ELEV SOURCE	OWNER	ADDED
LATITUDE	35-41-43.0 N	ADDED
LONGITUDE	096-40-36.0 W	ADDED
RWY END PSN DATE	03/25/2022	ADDED
RWY END PSN SOURCE	OWNER	ADDED

TENNESSEE	NFDD 087 - 20	05/05/2023	
LAWRENCEBURG			
LAWRENCEBURG-LAWRENCE COUNTY AIRPORT	(2M2)	23053.3A	
LATITUDE - 35-14-03.484 N	LONGITUDE -	087-15-28.597 W	
AIRFRAME RPRS	MAJOR		ADDED
BOTTLE OXYGEN	LOW		ADDED
RMK AIRFRAME RPRS: BOTH ON SITE			ADDED

TEXAS	NFDD 087 - 21	05/05/2023	
FALFURRIAS			
BROOKS COUNTY AIRPORT	(BKS)	23852.A	
LATITUDE - 27-12-21.8 N	LONGITUDE -	098-07-15.7 W	
RWY ID	14/32		
RWY END	14		
MKG TYPE - COND	NPI - GOOD		MODIFIED
RWY END	32		
MKG TYPE - COND	NPI - GOOD		MODIFIED

TEXAS	NFDD 087 - 22	05/05/2023	
FORT HOOD(KILLEEN)			
YOAKUM-DEFRENN AHP AIRPORT	(HLR)	23882.21A PRIVATE	
LATITUDE - 31-08-19.4658 N	LONGITUDE -	097-42-52.1488 W	
CITY	FORT CAVAZOS (KILLEEN)		MODIFIED

UTAH	NFDD 087 - 23	05/05/2023	
NEPHI			
NEPHI MUNI AIRPORT	(U14)	25228.A	
LATITUDE - 39-44-11.7 N	LONGITUDE -	111-52-12.2 W	
RMK GLDR OPS ON INVOF ARPT APR-NOV. 1000 - SS			MODIFIED
RMK PRCHT OPS ON INVOF ARPT MAR-NOV SR-SS.			ADDED

WASHINGTON **NFDD 087 - 24** 05/05/2023
 RICHLAND
 RICHLAND AIRPORT (RLD) 26386.1A
 LATITUDE - 46-18-20.302 N LONGITUDE - 119-18-15.082 W
 RWY ID 08/26
 RWY END 08
 RMK VGSI: PAPI UNUSBL BYD 8 DEG RIGHT OF CNTRLN. ADDED

WASHINGTON **NFDD 087 - 25** 05/05/2023
 SEQUIM
 FORT DISCOVERY HELIPORT (WA60) 26402.05H **PRIVATE**
 LATITUDE - 48-02-44.1 N LONGITUDE - 122-52-46.4 W
 ARPT STATUS ABANDONED MODIFIED

AIRSPACE FIXES

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

EFFECTIVE 6/15/2023 OR AS NOTED THE FOLLOWING AIRSPACE FIXES
 ARE ESTABLISHED MODIFIED OR CANCELLED AS INDICATED.

* * * ESTABLISHED * * *

GEORGIA **NFDD 087 - 1** 05/05/2023
 RIKBE
 LATITUDE 33-21-34.96 N
 LONGITUDE 082-01-23.25 W
 ARTCC ZTL
 FIX TYPE WAYPOINT
 CHARTING SPECIAL DP
 ICAO REGION K7

NORTH DAKOTA **NFDD 087 - 2** 05/05/2023
 ALCMM
 LATITUDE 48-32-26.87 N
 LONGITUDE 101-37-35.52 W
 ARTCC ZMP
 FIX TYPE RADAR
 CHARTING MILITARY IAP
 ICAO REGION K3

NORTH DAKOTA **NFDD 087 - 3** 05/05/2023
 BEARN
 NAV-FAC-AZIMUTH/DSTC MIB*TACAN*305.00/3.90
 LATITUDE 48-27-31.79 N
 LONGITUDE 101-26-19.30 W
 ARTCC ZMP
 FIX TYPE MIL REP-PT

CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 4	05/05/2023
DAART			
LATITUDE	48-20-52.07 N		
LONGITUDE	101-12-47.54 W		
ARTCC	ZMP		
FIX TYPE	RADAR		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 5	05/05/2023
HAWCS			
NAV-FAC-AZIMUTH/DSTC	MIB*TACAN*112.00/4.40		
LATITUDE	48-22-47.37 N		
LONGITUDE	101-16-11.67 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 6	05/05/2023
IICEE			
LATITUDE	48-29-00.78 N		
LONGITUDE	101-30-11.74 W		
ARTCC	ZMP		
FIX TYPE	RADAR		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 7	05/05/2023
LYPPS			
NAV-FAC-AZIMUTH/DSTC	MIB*TACAN*/4.47		
ILS-FAC-CRS/DSTC	MIB*LS*118.13		
LATITUDE	48-22-31.13 N		
LONGITUDE	101-16-18.89 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 8	05/05/2023
SARBE			
NAV-FAC-AZIMUTH/DSTC	MIB*TACAN*/3.92		
ILS-FAC-CRS/DSTC	MJW*LG*298.09		
LATITUDE	48-27-20.14 N		
LONGITUDE	101-26-36.34 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		

NORTH DAKOTA **NFDD 087 - 9** 05/05/2023
 SPITN
 LATITUDE 48-15-05.62 N
 LONGITUDE 101-00-34.11 W
 ARTCC ZMP
 FIX TYPE RADAR
 CHARTING MILITARY IAP
 ICAO REGION K3

NORTH DAKOTA **NFDD 087 - 10** 05/05/2023
 WHYNT
 LATITUDE 48-35-52.48 N
 LONGITUDE 101-45-00.30 W
 ARTCC ZMP
 FIX TYPE RADAR
 CHARTING MILITARY IAP
 ICAO REGION K3

* * * MODIFIED * * *

MINNESOTA **NFDD 087 - 11** 05/05/2023
 AUTOS
 NAV-FAC-AZIMUTH/DSTC ODI*VORTAC*184.02/14.00
 LATITUDE 43-40-47.67 N
 LONGITUDE 091-29-44.30 W
 ARTCC ZMP
 FIX TYPE REP-PT
 CHARTING IAP
 CHARTING INFO RNAV **ADDED**
 ICAO REGION K3

MINNESOTA **NFDD 087 - 12** 05/05/2023
 MAFYE
 NAV-FAC-AZIMUTH/DSTC ODI*VORTAC*184.02/18.83
 LATITUDE 43-35-58.57 N
 LONGITUDE 091-30-19.10 W
 ARTCC ZMP
 FIX TYPE REP-PT
 CHARTING IAP
 CHARTING INFO RNAV **ADDED**
 ICAO REGION K3

NORTH DAKOTA **NFDD 087 - 13** 05/05/2023
 AGEUCU
 NAV-FAC-AZIMUTH/DSTC RDR*TACAN*/5.92 **DELETED**
 ILS-FAC-CRS/DSTC RDR*LS*174.00 **DELETED**
 LATITUDE 47-51-30.73 N
 LONGITUDE 097-24-02.92 W
 ARTCC ZMP
 FIX TYPE MIL-WP **MODIFIED**
 CHARTING MILITARY IAP

CHARTING INFO	RNAV		DELETED
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 14	05/05/2023
BAPVE			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*171.00/5.00		MODIFIED
LATITUDE	47-52-27.24 N		
LONGITUDE	097-23-35.09 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 15	05/05/2023
BIGBA			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*171.00/15.00		MODIFIED
LATITUDE	47-42-30.86 N		
LONGITUDE	097-22-02.37 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 16	05/05/2023
BODDI			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*002.00/15.00		MODIFIED
LATITUDE	48-12-21.39 N		
LONGITUDE	097-22-24.40 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 17	05/05/2023
BUUBU			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*171.00/7.00		MODIFIED
LATITUDE	47-50-27.96 N		
LONGITUDE	097-23-16.50 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 18	05/05/2023
CANLI			
NAV-FAC-AZIMUTH/DSTC	GFK*VOR/DME*227.05/10.49		ADDED
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*/6.01		
ILS-FAC-CRS/DSTC	RDR*LS*177.00		MODIFIED
LATITUDE	47-51-25.25 N		
LONGITUDE	097-24-02.93 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		

ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 19	05/05/2023
CIGNA			
NAV-FAC-AZIMUTH/DSTC	GFK*VOR/DME*295.61/10.54		ADDED
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*/5.84		
ILS-FAC-CRS/DSTC	AVA*LG*357.00		MODIFIED
LATITUDE	48-03-15.49 N		
LONGITUDE	097-24-02.93 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 20	05/05/2023
DUMBE			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*182.00/15.00		MODIFIED
NAV-FAC-AZIMUTH/DSTC	GFK*VOR/DME*205.71/18.00		
LATITUDE	47-42-29.36 N		
LONGITUDE	097-26-17.82 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
CHARTING INFO	RNAV		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 21	05/05/2023
FRISK			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*356.00/15.00		MODIFIED
NAV-FAC-AZIMUTH/DSTC	GFK*VOR/DME*319.95/17.68		
LATITUDE	48-12-24.69 N		
LONGITUDE	097-24-45.15 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
CHARTING INFO	RNAV		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 22	05/05/2023
GEMBE			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*002.00/7.00		MODIFIED
LATITUDE	48-04-23.54 N		
LONGITUDE	097-23-27.09 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 23	05/05/2023
GLIIB			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*358.00/12.00		MODIFIED
NAV-FAC-AZIMUTH/DSTC	GFK*VOR/DME*315.52/14.91		
ILS-FAC-CRS/DSTC	AVA*LG*357.00		MODIFIED

LATITUDE	48-09-24.84 N		
LONGITUDE	097-24-02.91 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
CHARTING INFO	RNAV		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 24	05/05/2023
HOGER			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*/5.77		DELETED
ILS-FAC-CRS/DSTC	AVA*LG*354.00		DELETED
LATITUDE	48-03-11.26 N		MODIFIED
LONGITUDE	097-24-02.91 W		
ARTCC	ZMP		
FIX TYPE	MIL-WP		MODIFIED
CHARTING	MILITARY IAP		
CHARTING INFO	RNAV		DELETED
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 25	05/05/2023
HONNE			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*175.99/12.00		MODIFIED
NAV-FAC-AZIMUTH/DSTC	GFK*VOR/DME*207.35/14.72		
ILS-FAC-CRS/DSTC	RDR*LS*177.00		MODIFIED
LATITUDE	47-45-25.96 N		
LONGITUDE	097-24-02.94 W		MODIFIED
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
CHARTING INFO	RNAV		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 26	05/05/2023
KIDSE			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*/1.30		
ILS-FAC-CRS/DSTC	RDR*LS*177.00		MODIFIED
LATITUDE	47-56-08.48 N		
LONGITUDE	097-24-02.94 W		MODIFIED
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		
NORTH DAKOTA		NFDD 087 - 27	05/05/2023
MUDBE			
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*170.99/1.40		MODIFIED
LATITUDE	47-56-01.92 N		
LONGITUDE	097-24-08.61 W		
ARTCC	ZMP		
FIX TYPE	MIL REP-PT		
CHARTING	MILITARY IAP		
ICAO REGION	K3		

NORTH DAKOTA		NFDD 087 - 28	05/05/2023	
PAROC				
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*002.01/1.80			MODIFIED
LATITUDE	47-59-12.93 N			
LONGITUDE	097-24-07.65 W			
ARTCC	ZMP			
FIX TYPE	MIL REP-PT			
CHARTING	MILITARY IAP			
ICAO REGION	K3			

NORTH DAKOTA		NFDD 087 - 29	05/05/2023	
WAMGA				
NAV-FAC-AZIMUTH/DSTC	RDR*TACAN*/1.80			MODIFIED
ILS-FAC-CRS/DSTC	AVA*LG*357.00			
LATITUDE	47-59-12.60 N			
LONGITUDE	097-24-02.91 W			
ARTCC	ZMP			
FIX TYPE	MIL REP-PT			
CHARTING	MILITARY IAP			
ICAO REGION	K3			

HOLDING PATTERNS

EFFECTIVE 6/15/2023 OR AS NOTED THE FOLLOWING HOLDING PATTERNS ARE ESTABLISHED MODIFIED OR CANCELLED AS INDICATED. ONLY HOLDING PATTERNS AFFECTING CHARTS ARE INCLUDED IN THE LISTING.

* * * ESTABLISHED * * *

NORTH DAKOTA		NFDD 087 - 1	05/05/2023	
TIMER INT*ND*K3	PATTERN - 3			
DEFINING RESOURCE	MIB*TACAN			
HOLD-DIR	E			
DEGREES	112			
AZIMUTH	RAD			
CRS-INB	292			
TURN-DIR	R			
LEG LENGTH OUTBOUND	7 NM			
CHARTING	MILITARY IAP			

NORTH DAKOTA		NFDD 087 - 2	05/05/2023	
WIRES INT*ND*K3	PATTERN - 3			
DEFINING RESOURCE	MIB*TACAN			
HOLD-DIR	NW			
DEGREES	305			
AZIMUTH	RAD			
CRS-INB	125			

TURN-DIR R
 LEG LENGTH OUTBOUND 7 NM
 CHARTING MILITARY IAP

* * * MODIFIED * * *

NORTH DAKOTA **NFDD 087 - 3** 05/05/2023
 BIGBA INT*ND*K3 PATTERN - 1
 DEFINING RESOURCE RDR*TACAN
 HOLD-DIR S
 DEGREES 171 MODIFIED
 AZIMUTH RAD
 CRS-INB 351 MODIFIED
 TURN-DIR R
 CHARTING MILITARY IAP

NORTH DAKOTA **NFDD 087 - 4** 05/05/2023
 BODDI INT*ND*K3 PATTERN - 1
 DEFINING RESOURCE RDR*TACAN
 HOLD-DIR N
 DEGREES 002 MODIFIED
 AZIMUTH RAD
 CRS-INB 182 MODIFIED
 TURN-DIR R
 CHARTING MILITARY IAP

NORTH DAKOTA **NFDD 087 - 5** 05/05/2023
 DUMBE INT*ND*K3 PATTERN - 1
 DEFINING RESOURCE RDR*TACAN
 HOLD-DIR S
 DEGREES 182 MODIFIED
 AZIMUTH RAD
 CRS-INB 002 MODIFIED
 TURN-DIR R
 LEG LENGTH OUTBOUND 7 NM
 CHARTING MILITARY IAP

NORTH DAKOTA **NFDD 087 - 6** 05/05/2023
 DUMBE WP*ND*K3 PATTERN - 2
 HOLD-DIR S
 DEGREES 182 MODIFIED
 AZIMUTH RNAV
 CRS-INB 002 MODIFIED
 TURN-DIR R
 LEG LENGTH OUTBOUND 7 NM
 CHARTING MILITARY IAP

NORTH DAKOTA **NFDD 087 - 7** 05/05/2023
 FRISK INT*ND*K3 PATTERN - 2

DEFINING RESOURCE	RDR*TACAN		
HP NAME	FRISK WP*ND*K3		REPLACED
HP NAME	FRISK INT*ND*K3		NEW
HOLD-DIR	N		
DEGREES	356		MODIFIED
AZIMUTH	RAD		MODIFIED
CRS-INB	176		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	7 NM		
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 8	05/05/2023
FRISK WP*ND*K3	PATTERN - 1		
HP NAME	FRISK INT*ND*K3		REPLACED
HP NAME	FRISK WP*ND*K3		NEW
HOLD-DIR	N		
DEGREES	355		MODIFIED
AZIMUTH	RNAV		MODIFIED
CRS-INB	175		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	7 NM		
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 9	05/05/2023
GLIIB INT*ND*K3	PATTERN - 2		
DEFINING RESOURCE	RDR*TACAN		
HP NAME	GLIIB WP*ND*K3		REPLACED
HP NAME	GLIIB INT*ND*K3		NEW
HOLD-DIR	N		
DEGREES	358		MODIFIED
AZIMUTH	RAD		MODIFIED
CRS-INB	178		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	7 NM		DELETED
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 10	05/05/2023
GLIIB WP*ND*K3	PATTERN - 1		
HP NAME	GLIIB INT*ND*K3		REPLACED
HP NAME	GLIIB WP*ND*K3		NEW
HOLD-DIR	N		
DEGREES	357		MODIFIED
AZIMUTH	RNAV		MODIFIED
CRS-INB	177		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	7 NM		ADDED
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 11	05/05/2023
HONNE INT*ND*K3	PATTERN - 1		
DEFINING RESOURCE	RDR*TACAN		
HOLD-DIR	S		
DEGREES	177		MODIFIED

AZIMUTH	RAD		
CRS-INB	357		MODIFIED
TURN-DIR	R		
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 12	05/05/2023
HONNE WP*ND*K3	PATTERN - 2		
HOLD-DIR	S		
DEGREES	177		MODIFIED
AZIMUTH	RNAV		
CRS-INB	357		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	7 NM		
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 13	05/05/2023
TIMER WP*ND*K3	PATTERN - 1		
HP NAME	TIMER INT*ND*K3		REPLACED
HP NAME	TIMER WP*ND*K3		NEW
HOLD-DIR	NW		MODIFIED
DEGREES	293		MODIFIED
AZIMUTH	RNAV		MODIFIED
CRS-INB	113		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	9 NM		MODIFIED
CHARTING	MILITARY IAP		
NORTH DAKOTA		NFDD 087 - 14	05/05/2023
WIRES WP*ND*K3	PATTERN - 1		
HP NAME	WIRES INT*ND*K3		REPLACED
HP NAME	WIRES WP*ND*K3		NEW
HOLD-DIR	SE		MODIFIED
DEGREES	124		MODIFIED
AZIMUTH	RNAV		MODIFIED
CRS-INB	304		MODIFIED
TURN-DIR	R		
LEG LENGTH OUTBOUND	9 NM		MODIFIED
CHARTING	MILITARY IAP		

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

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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>
KLSHN	ONE	KLSHN1.KLSHN	NONE		15 JUN 2023

<u>TYPE:</u>	<u>OBSTACLE</u>	<u>COPTER</u>	<u>SID</u>	<u>SPECIAL</u>	<u>RNAV</u>
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

THIS IS A CORRECTED COPY OF THIS PROCEDURE PREVIOUSLEY PUBLISHED IN NFDD #057.

DP ROUTE DESCRIPTION:

TAKEOFF RWY 16: CLIMB ON HEADING 163.84 TO 671, THEN RIGHT TURN DIRECT KIENO, THEN ON TRACK 177.08 TO CROSS DNHRT AT OR ABOVE 3000, THENCE...
TAKEOFF RWY 34: CLIMB ON HEADING 343.84 TO 671, THEN ON HEADING 255.00 OR AS ASSIGNED BY ATC, FOR VECTORS TO CROSS DNHRT AT OR ABOVE 3000, THENCE...

...ON TRACK 177.06 TO KLSHN, THEN ON TRANSITION. MAINTAIN ATC ASSIGNED ALTITUDE. EXPECT FILED ALTITUDE WITHIN 5 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>
PENN COVE	KLSHN1.CVV	KLSHN	CVV VORDME	TRACK 177.03	13.39	7000	2500	

PROCEDURAL DATA NOTES:

PBN REQUIREMENTS NOTES:

RNAV 1 - DME/DME/IRU OR GPS

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED

TAKEOFF MINIMUMS:

RWY 34: STANDARD.
RWY 16: STANDARD WITH MINIMUM CLIMB OF 245 FEET PER NM TO 2300.

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

RWY 16: 1739 FT MSL AAO 483930.36N/1223759.46W

MSA:

MSA FROM KBLI 12000.

LOST COMMUNICATIONS PROCEDURES:

IF NO TRANSMISSIONS ARE RECEIVED FOR 2 MINUTES AFTER DEPARTURE, PROCEED DIRECT DNHRT, THEN ON LAST ROUTING CLEARED.

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: ASSIGNED BY ATC
AIRPORT MV: BLI 16E/2020.
DME/DME ASSESSMENT: SAT (RNP 2.0)
CHART: MINIMUM CROSSING ALTITUDE AT DNHRT - 3000.

AIRPORTS SERVED:

AIRPORT ID

CITY

STATE



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
KLSHN	ONE	KLSHN1.KLSHN	NONE		15 JUN 2023
KBLI		BELLINGHAM			WA

COMMUNICATIONS:

CHART ATIS, TWR, GND CON.

FIXES AND/OR NAVAIDS:

BUHNR.

REMARKS:

MEAS OF 7000 REQUIRED FOR DME/DME/IRU NAVIGATION.
 HISTORICAL WINDS APPLIED AT DNHRT AND KLSHN.
 HISTORICAL WINDS USED 2017-2021, 99TH PERCENTILE.
 VEGETATION WITHIN 20,000 FT: 40 FT PER FPT.
 RWY 34 TERMINATION POINT/ALTITUDE FOR RADAR VECTORS FALLS WITHIN AREA PROTECTED BY DVA.
 SHIP HEIGHT OF 200 FT APPLIED AT SPECIFIC LOCATIONS PER FPT.
 NAV CANADA PROVIDES DEPARTURE SERVICES/VECTORIZING FOR THIS PROCEDURE.

FLIGHT INSPECTED BY

BRANDON EASTIN

Digitally signed by
DAVID TEFFETELLER
 May 02, 2023

OFFICE
 FIOG

DATE
 03/17/2023

DEVELOPED BY

KWEKU DONKOR

Digitally signed by
KWEKU DONKOR
 Apr 28, 2023

OFFICE
 AJV-A433

DATE
 01/17/2023

APPROVED BY

JOHNNIE BAKER

Digitally signed by
DAVID TEFFETELLER
 May 02, 2023

OFFICE
 AJV-A430

DATE

TITLE
 MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZSE, VICTORIA DEPARTURE CONTROL, KBLI ATCT, AMGR, WFPT.

CHANGES - REASONS:

ORIGINAL.

04/28/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/17/23.
 1. REMOVED INAXE TRANSITION FROM KLSHN TO INAXE TRACK 206.58/DISTANCE 14.25/MEA 7000/MOCA 2500.



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 DEPARTURE (DATA RECORD)

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>				
KLSHN	ONE	KLSHN1.KLSHN	NONE		15 JUN 2023				
<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>
RW16 (AER)	484806.74N/1223215.20W	N	-	-	-	-			
671 MSL	-	-	-	VA	179.84		AT/ABOVE 671		CG 245 FT/NM TO 2300
KIENO	483943.79N/1223445.20W	Y	FB	DF	-	-			RIGHT TURN
DNHRT	483353.48N/1223647.82W	Y	FB	TF	193.08	6.00	AT/ABOVE 3000		
RW34 (AER)	484700.63N/1223214.93W	N	-	-	-	-			
671 MSL	-	-	-	VA	359.84				
-	-	-	-	VM	271.00	-			
DNHRT	483353.48N/1223647.82W	Y	-	IF	-	-	AT/ABOVE 3000		
KLSHN	482743.16N/1223856.93W	Y	FB	TF	193.06	6.34			
KLSHN	482743.16N/1223856.93W	Y	-	IF	-	-			KLSHN1.CVV
CVV VOR/DME	481440.90N/1224327.90W	Y	FB	TF	193.03	13.39			



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)**

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

THIS IS A CORRECTED COPY OF THIS PROCEDURE PREVIOUSLEY PUBLISHED IN NFDD #066.

TRANSITION ROUTES:

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
SPOKANE	GEG.GLASR2	GEG VORTAC	GEG VORTAC						
		GEG VORTAC	TEMPL	264.17 (GEG R-264)	76.00	FL180	9400		
		TEMPL	WITRO	264.17 (GEG R-264)	26.58	FL180	9400		
		WITRO	OD AHL	254.73 (PAE R-075)	26.92	17000	9400		
		OD AHL	GLASR	254.73 (PAE R-075)	16.01	10000	9400		
LOSTT	LOSTT.GLASR2	LOSTT	LOSTT						
		LOSTT	KRUZR	221.56 (SEA R-042)	15.00	FL240	11500		
		KRUZR	GLASR	221.56 (SEA R-042)	28.18	16000	11500		
MULLAN PASS	MLP.GLASR2	MLP VOR/DME	MLP VOR/DME						
		MLP VOR/DME	GEG VORTAC	260.33 & 259.87 (MLP R-260 & GEG R-080)	80.83	FL180	9400		
		GEG VORTAC	TEMPL	264.17 (GEG R-264)	76.00	FL180	9400		
		TEMPL	WITRO	264.17 (GEG R-264)	26.58	FL180	9400		
		WITRO	OD AHL	254.73 (PAE R-075)	26.92	17000	9400		
		OD AHL	GLASR	254.73 (PAE R-075)	16.01	10000	9400		



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FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)**

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023
TEMPL	TEMPL.GLASR2	TEMPL	TEMPL		
	TEMPL	WITRO	264.17 (GEG R-264)	26.58	FL180 9400
	WITRO	ODAHL	254.73 (PAE R-075)	26.92	17000 9400
	ODAHL	GLASR	254.73 (PAE R-075)	16.01	10000 9400
CRANBROOK	YXC.GLASR2	YXC VOR/DME	YXC VOR/DME		
	YXC VOR/DME	ONSET	229.23 (YXC R-229)	83.27	FL240 11500
	ONSET	LOSTT	229.22 & 221.56 (YXC R-229 & SEA R-042)	100.62	FL240 11500
	LOSTT	KRUZR	221.56 (SEA R-042)	15.00	FL240 11500
	KRUZR	GLASR	221.56 (SEA R-042)	28.18	16000 11500

ARRIVAL ROUTE DESCRIPTION:

FROM GLASR ON PAE R-075 TO JAKSN (MEA 10,000/MOCA 9500), THEN ON SEA R-023 TO WOODI (MEA 10,000/MOCA 6600), THEN ON SEA R-023 TO HETHR (MEA 10,000/MOCA 3800), THENCE...
 ...LANDING NORTH: HEADING 163 FOR VECTORS TO FINAL APPROACH COURSE.
 ...LANDING SOUTH: HEADING 250 FOR VECTORS TO FINAL APPROACH COURSE.
 ...LANDING MCCHORD FIELD: FROM OVER HETHR, PROCEED DIRECT TO SEA VORTAC.
 ...LANDING RENTON MUNI: FROM OVER HETHR, PROCEED DIRECT SEA VORTAC.

PROCEDURAL DATA NOTES:

NOTE: DME AND RADAR REQUIRED.
 NOTE: LANDING NORTH/LANDING SOUTH RESTRICTIONS ARE ISSUED PER THE KSEA FLOW.
 PROP/TURBOPROP:
 CROSS JAKSN AT 10,000 AND AT OR BELOW 250 KIAS, MAINTAIN 10,000.
 TURBOJET:
 LANDING NORTH: CROSS JAKSN AT OR ABOVE 16,000 AND AT 270 KIAS. CROSS WOODI AT OR BELOW 14,000. CROSS HETHR AT 12,000 AND AT 250 KIAS, MAINTAIN 12,000.
 LANDING SOUTH: CROSS JAKSN AT 12,000 AND AT 250 KIAS, MAINTAIN 12,000.
 LANDING KBFI OR KRNT: CROSS JAKSN AT 11,000 AND AT 250 KIAS, MAINTAIN 11,000.



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FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)**

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<u>Arrival Name</u>	<u>Number</u>	<u>STAR Computer Code</u>	<u>Superseded Number</u>	<u>Dated</u>	<u>Effective Date</u>
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

FIXES AND/OR HOLDING PATTERNS:

CHART HOLDING: LOSTT (HOLD NE, RT, 221.56 INBOUND).
 CHART HOLDING: TEMPL (HOLD E, RT, 264.17 INBOUND).
 CHART HOLDING: JAKSN (HOLD E, RT, 254.73 INBOUND).

COMMUNICATIONS:

CHART: SEATTLE APPROACH CONTROL.

AIRPORTS SERVED:

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
KSEA	SEATTLE	WA
KBFI	SEATTLE	WA
KTCM	TACOMA	WA
KRNT	RENTON	WA

LOST COMMUNICATIONS PREFERENCES:

FROM HETHR, PROCEED DIRECT SEA VORTAC.

REMARKS:

ABBREVIATED AMENDMENT.

ADDITIONAL FLIGHT DATA:

CHART: COP'S: GEG-103/PAE-087 AND YXC-171/SEA-108.



**FEDERAL AVIATION ADMINISTRATION
FLIGHT STANDARDS SERVICE
STANDARD TERMINAL ARRIVAL (STAR)**

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

FLIGHT INSPECTED BY:

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT, GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.

Digitally signed by
Flight Inspected Signature: **ALLAN WILL**
Apr 28, 2023

DEVELOPED BY:

MICHAEL R. GARRITY JR.

AJV-A423 01/06/2023

Digitally signed by
Developed By Signature: **MICHAEL GARRITY**
Mar 20, 2023

APPROVED BY:

ALLAN WILL

AJV-A423

Digitally signed by
Approved By Signature: **ALLAN WILL**
Apr 28, 2023

CHANGES:

1. SPOKANE TRANSITION: CHANGED GEG VORTAC TO TEMPL AND TEMPL TO WITRO SEGMENTS MAG COURSES FROM "257.17 (GEG R-257)" TO "264.17 (GEG R-264)".
2. MULLAN PASS TRANSITION: CHANGED MLP VOR/DME TO GEG VORTAC SEGMENT MAG COURSE FROM "260.33 & 252.87 (MLP R-260 & GEG R-073)" TO "260.33 & 259.87 (MLP R-260 & GEG R-080)". CHANGED GEG VORTAC TO TEMPL AND TEMPL TO WITRO SEGMENTS MAG COURSES FROM "257.17 (GEG R-257)" TO "264.17 (GEG R-264)".
3. TEMPL TRANSITION: CHANGED TEMPL TO WITRO SEGMENT MAG COURSE FROM "257.17 (GEG R-257)" TO "264.17 (GEG R-264)".
4. CHANGED TEMPL HOLDING PATTERN INBOUND COURSE FROM 257.17 TO 264.17.
5. SPOKANE TRANSITION: CHANGED GEG VORTAC TO TEMPL SEGMENT MOCA FROM 5300 TO 9400, TEMPL TO WITRO SEGMENT MOCA FROM 6100 TO 9400, AND WITRO TO ODAHL SEGMENT MOCA FROM 8900 TO 9400.
6. LOSTT TRANSITION: ADDED 11500 TO MOCA FOR LOSTT TO KRUIZR SEGMENT.
7. MULLAN PASS TRANSITION: CHANGED MLP TO GEG SEGMENT MOCA FROM 9100 TO 9400, GEG TO TEMPL SEGMENT MOCA FROM 5300 TO 9400, TEMPL TO WITRO SEGMENT MOCA FROM 6100 TO 9400, AND WITRO TO ODAHL SEGMENT MOCA FROM 8900 TO 9400.
8. TEMPL TRANSITION: CHANGED TEMPL TO WITRO SEGMENT MOCA FROM 6100 TO 9400 AND WITRO TO ODAHL SEGMENT MOCA FROM 8900 TO 9400.
9. CRANBROOK TRANSITION: ADDED 11500 TO MOCA FOR YXC TO ONSET, ONSET TO LOSTT, AND LOSTT TO KRUIZR SEGMENTS.
10. COMMUNICATIONS: REMOVED CHART ATIS FOR ALL AIRPORTS.
11. AIRPORTS SERVED: CHANGED AIRPORT NAME TO AIRPORT ICAO ID FOR ALL AIRPORTS.
12. ADDITIONAL FLIGHT DATA: MOVED "NOTE: LANDING NORTH/LANDING SOUTH RESTRICTIONS ARE ISSUED PER THE KSEA FLOW" FROM ADDITIONAL FLIGHT DATA SECTION TO PROCEDURAL DATA NOTES SECTION.

REASONS:

- 1-4. GEG MAGVAR UPDATED TO 14E 2025.
- 5,7,8. SEGMENT MOCA CAN NOT BE HIGHER THAN PREVIOUS SEGMENT MOCA.
- 6,9. MOCA MUST BE ENTERED FOR ALL ROUTE SEGMENTS PER FAAO 8260.19I, PARA 4-5-12B(8) CRITERIA.
10. NO LONGER REQUIRED - ATIS AUTOMATICALLY CHARTED PER FAAO 8260.19I, PARA 4-5-12F CRITERIA.
11. AIRPORT NAME NO LONGER CHARTED PER FAAO 8260.19I, PARA 4-5-12G CRITERIA.
12. CORRECTED ADMINISTRATIVE ERROR.

04/25/23: THIS IS A CORRECTED COPY OF THE FORM APPROVED ON 03/20/23.

1. CRANBROOK TRANSITION ROUTE: CHANGED KRUIZR TO GLASR COURSE FROM 254.73 TO 221.56



FEDERAL AVIATION ADMINISTRATION
 FLIGHT STANDARDS SERVICE
 STANDARD TERMINAL ARRIVAL (STAR)

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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
GLASR	TWO	GLASR.GLASR2	ONE	09/15/2016	06/15/2023

Title:

