



NATIONAL FLIGHT DATA DIGEST

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

Friday

NO. 117

06/17/2022

NAVAID/COM

INDIANA		<b>NFDD 117 - 1</b>	06/17/2022
PORTLAND - PORTLAND MUNI(PLD)			
AWOS-3	PLD		
LATITUDE	40-27-05.466 N		MODIFIED
LONGITUDE	084-59-30.187 W		MODIFIED

NAVAIDS

ALASKA		<b>NFDD 117 - 1</b>	06/17/2022
BUCKLAND			
BUCKLAND NDB/DME			
IDENT	BVK		
LAT	65-58-43.1932 N		
LONG	161-08-46.4893 W		
NAVAID STATUS	DECOMMISSIONED		MODIFIED
DME STATUS	DECOMMISSIONED		MODIFIED
DME STATUS DATE	15-JUN-2022		MODIFIED
RMK	BOTH COMPONENTS OF THE NAVAID HAVE BEEN DECOMMISSIONED.		NOTE
	DATA EFFECTIVE 11 AUG 2022.		

CALIFORNIA		<b>NFDD 117 - 2</b>	06/17/2022
FORTUNA			
FORTUNA VORTAC			
IDENT	FOT		
LAT	40-40-16.5777 N		MODIFIED
LONG	124-14-04.3305 W		MODIFIED
LAT/LONG SRCE	3RD PARTY SURVEY		RECAP
ELEVATION	391.7		MODIFIED
TAC DME LATITUDE	40-40-16.5777 N		MODIFIED
TAC DME LONGITUDE	124-14-04.3305 W		MODIFIED

NORTH CAROLINA		<b>NFDD 117 - 3</b>	06/17/2022
ASHEVILLE			
KEANS NDB			
IDENT	IM		
LAT	35-31-58.3161 N		MODIFIED
LONG	082-35-14.7854 W		MODIFIED
LAT/LONG SRCE	3RD PARTY SURVEY		RECAP
ELEVATION	2124.6		MODIFIED

INSTRUMENT LANDING SYSTEMS

NORTH CAROLINA  
ASHEVILLE

NFDD 117 - 1

06/17/2022

ASHEVILLE RGNL AIRPORT ILS/DME RWY 17

IDENT I-IMO

LOCALIZER

LATITUDE	35-25-23.0091 N	MODIFIED
LONGITUDE	082-32-10.2726 W	MODIFIED
LAT/LONG-SRCE	3RD PARTY SURVEY	RECAP
THRESHOLD	699.51	MODIFIED
SITE ELEVATION	2099.5	MODIFIED

GLIDE SLOPE

LATITUDE	35-26-36.1638 N	MODIFIED
LONGITUDE	082-32-46.4634 W	MODIFIED
LAT/LONG-SRCE	3RD PARTY SURVEY	RECAP
SITE ELEVATION	2160.5	MODIFIED
RWY ELEV ADJ G/S	2161.90	MODIFIED

OM BEACON

IDENT	IM	
LATITUDE	35-31-58.0004 N	MODIFIED
LONGITUDE	082-35-14.8019 W	MODIFIED
LAT/LONG-SRCE	3RD PARTY SURVEY	RECAP
SITE ELEVATION	2123.2	MODIFIED

DME

LATITUDE	35-25-25.1291 N	MODIFIED
LONGITUDE	082-32-07.3597 W	MODIFIED
LAT/LONG-SRCE	SURVEYED	RECAP
SITE ELEVATION	2093.3	MODIFIED

NORTH CAROLINA  
ASHEVILLE

NFDD 117 - 2

06/17/2022

ASHEVILLE RGNL AIRPORT ILS/DME RWY 35

IDENT I-AVL

LOCALIZER

LATITUDE	35-26-57.0062 N	MODIFIED
LONGITUDE	082-32-52.4749 W	MODIFIED
LAT/LONG-SRCE	3RD PARTY SURVEY	RECAP
THRESHOLD	699.51	MODIFIED
DIST/DIR-FRM-C/L (FT.)	1 R	DELETED
DIST/DIR-SRCE	3RD PARTY SURVEY	RECAP
SITE ELEVATION	2164.1	MODIFIED

GLIDE SLOPE

LATITUDE	35-25-40.5254 N	MODIFIED
LONGITUDE	082-32-21.4834 W	MODIFIED
LAT/LONG-SRCE	3RD PARTY SURVEY	RECAP
SITE ELEVATION	2119.3	MODIFIED

DME

LATITUDE	35-26-58.3174 N	MODIFIED
LONGITUDE	082-32-51.7937 W	MODIFIED
LAT/LONG-SRCE	OWNER	RECAP

DIST/DIR-FRM-C/L (FT.)	99 R	MODIFIED
DIST FROM RWY STOP (FT.)	1167	MODIFIED
DIST/DIR-SRCE	OWNER	RECAP
SITE ELEVATION	2162.3	MODIFIED

OKLAHOMA  
STILLWATER

NFDD 117 - 3

06/17/2022

STILLWATER RGNL AIRPORT ILS/DME RWY 17

IDENT	I-SWO
OM BEACON	
IDENT	SW
FACILITY TYPE	MARKER/NDB
NAME	GABEH
NAVAID STATUS	OPERATIONAL IFR
NAV FREQ	255.0
OM BEACON STATUS	OPERATIONAL IFR

RECAP  
MODIFIED  
RECAP  
RECAP  
RECAP

UTAH  
TOOELE

NFDD 117 - 4

06/17/2022

BOLINDER FLD-TOOELE VALLEY AIRPORT ILS/DME RWY 17

IDENT	I-TVY
LOCALIZER	
LATITUDE	40-36-05.5619 N
LONGITUDE	112-21-01.9948 W
LAT/LONG-SRCE	3RD PARTY SURVEY
THRESHOLD	700.63
DIST-FRM-AER (FT.)	7061
DIST-FRM-RWY-STOP (FT.)	961
DIST/DIR-SRCE	3RD PARTY SURVEY
SITE ELEVATION	4331.5

EFF: 08/11/2022 MODIFIED  
EFF: 08/11/2022 MODIFIED  
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EFF: 08/11/2022 MODIFIED  
EFF: 08/11/2022 MODIFIED  
EFF: 08/11/2022 ADDED  
EFF: 08/11/2022 MODIFIED

GLIDE SLOPE

LATITUDE	40-37-06.3005 N
LONGITUDE	112-21-06.5978 W
LAT/LONG-SRCE	3RD PARTY SURVEY
DIST-FRM-AER (FT.)	-910
DIST/DIR-SRCE	3RD PARTY SURVEY
SITE ELEVATION	4276.3

EFF: 08/11/2022 MODIFIED  
EFF: 08/11/2022 MODIFIED  
EFF: 08/11/2022 ADDED  
RECAP  
EFF: 08/11/2022 ADDED  
EFF: 08/11/2022 MODIFIED

DME

LATITUDE	40-36-05.9898 N
LONGITUDE	112-20-56.7834 W
LAT/LONG-SRCE	3RD PARTY SURVEY
DIST/DIR-FRM-C/L (FT.)	403 L
DIST-FRM-AER (FT.)	7024
DIST FROM RWY STOP (FT.)	924
DIST/DIR-SRCE	3RD PARTY SURVEY
SITE ELEVATION	4346

EFF: 08/11/2022 MODIFIED  
EFF: 08/11/2022 MODIFIED  
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EFF: 08/11/2022 MODIFIED



MICHIGAN BAY CITY	<b>NFDD 117 - 5</b>	06/17/2022	
JAMES CLEMENTS MUNI-NON-ATCT IDENT	3CM		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED
MICHIGAN CARO	<b>NFDD 117 - 6</b>	06/17/2022	
TUSCOLA AREA-NON-ATCT IDENT	CFS		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED
MICHIGAN CLARE	<b>NFDD 117 - 7</b>	06/17/2022	
CLARE MUNI-NON-ATCT IDENT	48D		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED
MICHIGAN GLADWIN	<b>NFDD 117 - 8</b>	06/17/2022	
GLADWIN ZETTEL MEML-NON-ATCT IDENT	GDW		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED
MICHIGAN MARLETTE	<b>NFDD 117 - 9</b>	06/17/2022	
MARLETTE TOWNSHIP-NON-ATCT IDENT	77G		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) .		MODIFIED
MICHIGAN MIDLAND	<b>NFDD 117 - 10</b>	06/17/2022	
JACK BARSTOW-NON-ATCT IDENT	IKW		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED
MICHIGAN MOUNT PLEASANT	<b>NFDD 117 - 11</b>	06/17/2022	
MOUNT PLEASANT MUNI-NON-ATCT IDENT	MOP		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED
MICHIGAN SAGINAW	<b>NFDD 117 - 12</b>	06/17/2022	
SAGINAW COUNTY H W BROWNE-NON-ATCT IDENT	HYX		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		MODIFIED

MICHIGAN	<b>NFDD 117 - 13</b>	06/17/2022	
SAGINAW			
MBS INTL-ATCT			
IDENT	MBS		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS		MODIFIED
	127.7/290.425 (FREELAND RCAG) WHEN GREAT LAKES APCH CTL CLSD.		
OHIO	<b>NFDD 117 - 14</b>	06/17/2022	
CARROLLTON			
CARROLL COUNTY-TOLSON-NON-ATCT			
IDENT	TSO		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND APCH (CLE) 0600-0000. APCH/DEP		MODIFIED
	SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 120.6/379.275		
	(MOUNT HOPE RCAG) 0000-0600.		
OHIO	<b>NFDD 117 - 15</b>	06/17/2022	
YOUNGSTOWN			
YOUNGSTOWN ELSER METRO-NON-ATCT			
IDENT	4G4		
RMK	APCH/DEP SVC PRVDD BY CLEVELAND APCH (CLE) 0600-0000. APCH/DEP		MODIFIED
	SVC PRVDD BY CLEVELAND ARTCC (ZOB) ON FREQS 120.6/379.275		
	(MOUNT HOPE RCAG) 0000-0600.		

ARTCC COMMUNICATIONS FREQUENCIES

OHIO NFDD 117 - 1 06/17/2022

CLEVELAND

CLEVELAND ARTCC

IDENT ZOB  
ICAO IDENT KZOB

RCAG

SITE CHARDON, OH

LATITUDE - 41-31-01.18 N LONGITUDE - 081-09-47.36 W

FREQUENCY 120.6 RECAP  
FREQ USE DISCRETE DELETED  
ALTITUDE LOW RECAP

FREQUENCY 120.775 RECAP  
FREQ USE DISCRETE DELETED  
ALTITUDE LOW RECAP

FREQUENCY 298.95 RECAP  
FREQ USE DISCRETE DELETED  
ALTITUDE LOW RECAP

SITE DETROIT NORTH, MI

LATITUDE - 42-14-00.13 N LONGITUDE - 083-21-59.75 W

FREQUENCY 120.075 DELETED  
ALTITUDE ULTRA-HIGH DELETED  
CHARTED NO DELETED

FREQUENCY 319.9 DELETED  
ALTITUDE ULTRA-HIGH DELETED  
CHARTED NO DELETED

FREQUENCY 369.9 DELETED  
FREQ USE NOT FOR PUBLICATION DELETED  
ALTITUDE HIGH DELETED  
CHARTED NO DELETED

SITE DUBOIS, PA

LATITUDE - 41-10-42.0 N LONGITUDE - 078-53-56.0 W

FREQUENCY 126.725 RECAP  
FREQ USE DISCRETE DELETED  
ALTITUDE LOW RECAP

FREQUENCY 291.65 RECAP  
FREQ USE DISCRETE DELETED  
ALTITUDE LOW RECAP

SITE DUNKIRK, NY

LATITUDE - 42-29-26.2 N LONGITUDE - 079-16-27.15 W

FREQUENCY 125.2 RECAP  
FREQ USE DISCRETE DELETED

ALTITUDE	LOW	RECAP
FREQUENCY	256.8	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
SITE FINDLAY, OH		
LATITUDE - 41-01-00.19 N	LONGITUDE - 083-39-59.75 W	
FREQUENCY	121.5	ADDED
ALTITUDE	LOW/HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	291.725	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
SITE FLINT, MI		
LATITUDE - 42-57-58.09 N	LONGITUDE - 083-44-27.84 W	
FREQUENCY	127.7	DELETED
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	DELETED
CHARTED	YES	DELETED
FREQUENCY	290.425	DELETED
ALTITUDE	LOW	DELETED
CHARTED	NO	DELETED
FREQUENCY	307.8	DELETED
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	DELETED
CHARTED	YES	DELETED
SITE FREELAND, MI		
LATITUDE - 43-31-27.0 N	LONGITUDE - 084-05-01.0 W	
FREQUENCY	127.7	ADDED
ALTITUDE	LOW	ADDED
CHARTED	YES	ADDED
FREQUENCY	133.875	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	243.0	ADDED
ALTITUDE	LOW/HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	269.525	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	290.425	ADDED
ALTITUDE	LOW	ADDED
CHARTED	YES	ADDED
FREQUENCY	369.9	ADDED
ALTITUDE	HIGH	ADDED



CHARTED	NO		ADDED
SITE GENESEO, NY			
LATITUDE - 42-50-03.98 N		LONGITUDE - 077-43-58.01 W	
FREQUENCY	128.025		ADDED
ALTITUDE	HIGH		ADDED
CHARTED	NO		ADDED
FREQUENCY	323.25		ADDED
ALTITUDE	HIGH		ADDED
CHARTED	NO		ADDED
SITE HOLLAND, NY			
LATITUDE - 42-34-22.22 N		LONGITUDE - 078-34-11.08 W	
FREQUENCY	118.625		ADDED
ALTITUDE	HIGH		ADDED
CHARTED	NO		ADDED
FREQUENCY	120.625		RECAP
ALTITUDE	HIGH		MODIFIED
FREQUENCY	135.775		DELETED
ALTITUDE	HIGH		DELETED
CHARTED	NO		DELETED
FREQUENCY	316.05		ADDED
ALTITUDE	HIGH		ADDED
CHARTED	NO		ADDED
FREQUENCY	322.55		DELETED
ALTITUDE	ULTRA-HIGH		DELETED
CHARTED	NO		DELETED
SITE JACKSON, MI			
LATITUDE - 42-15-35.22 N		LONGITUDE - 084-27-33.85 W	
FREQUENCY	127.3		DELETED
ALTITUDE	LOW		DELETED
CHARTED	NO		DELETED
FREQUENCY	134.65		DELETED
FREQ USE	DISCRETE		DELETED
ALTITUDE	LOW		DELETED
CHARTED	YES		DELETED
FREQUENCY	281.425		DELETED
FREQ USE	DISCRETE		DELETED
ALTITUDE	LOW		DELETED
CHARTED	YES		DELETED
SITE LITCHFIELD, MI			
LATITUDE - 42-02-32.16 N		LONGITUDE - 084-42-17.86 W	
FREQUENCY	120.45		RECAP
FREQ USE	DISCRETE		DELETED
ALTITUDE	LOW		RECAP
FREQUENCY	133.525		ADDED

ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	263.025	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	281.425	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	360.7	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP

SITE MANSFIELD, OH

LATITUDE - 40-49-37.2 N

LONGITUDE - 082-30-14.6 W

FREQUENCY	134.9	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	243.0	ADDED
ALTITUDE	LOW/HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	269.475	ADDED
ALTITUDE	LOW	ADDED
CHARTED	NO	ADDED
FREQUENCY	317.7	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	369.9	RECAP
FREQ USE	NOT FOR PUBLICATION	DELETED
ALTITUDE	HIGH	RECAP

SITE MOON TOWNSHIP, PA

LATITUDE - 40-30-43.24 N

LONGITUDE - 080-13-25.21 W

FREQUENCY	121.075	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	134.475	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	254.275	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	307.325	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	369.25	RECAP

FREQ USE	NOT FOR PUBLICATION	DELETED
ALTITUDE	HIGH	RECAP
SITE MOUNT HOPE, OH		
LATITUDE - 40-40-00.21 N	LONGITUDE - 081-45-59.47 W	
FREQUENCY	120.6	ADDED
ALTITUDE	LOW	ADDED
CHARTED	YES	ADDED
FREQUENCY	379.275	ADDED
ALTITUDE	LOW	ADDED
CHARTED	YES	ADDED
SITE PARIS, OH		
LATITUDE - 40-48-37.21 N	LONGITUDE - 081-08-54.36 W	
FREQUENCY	120.6	DELETED
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	DELETED
CHARTED	YES	DELETED
FREQUENCY	379.275	DELETED
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	DELETED
CHARTED	YES	DELETED
SITE SAGINAW, MI		
LATITUDE - 43-32-10.09 N	LONGITUDE - 084-04-33.93 W	
FREQUENCY	127.7	DELETED
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	DELETED
CHARTED	YES	DELETED
FREQUENCY	133.875	DELETED
ALTITUDE	HIGH	DELETED
CHARTED	NO	DELETED
FREQUENCY	290.425	DELETED
ALTITUDE	LOW	DELETED
CHARTED	NO	DELETED
FREQUENCY	307.8	DELETED
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	DELETED
CHARTED	YES	DELETED
FREQUENCY	351.9	DELETED
ALTITUDE	HIGH	DELETED
CHARTED	NO	DELETED
FREQUENCY	369.9	DELETED
FREQ USE	NOT FOR PUBLICATION	DELETED
ALTITUDE	HIGH	DELETED
CHARTED	NO	DELETED
SITE SANDUSKY, OH		
LATITUDE - 41-20-39.18 N	LONGITUDE - 082-42-31.65 W	

FREQUENCY	119.325	RECAP
ALTITUDE	HIGH	MODIFIED
FREQUENCY	127.9	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	269.625	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	284.625	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	298.95	DELETED
ALTITUDE	LOW	DELETED
CHARTED	NO	DELETED

SITE WARREN, PA

LATITUDE - 41-44-07.21 N

LONGITUDE - 079-15-49.16 W

FREQUENCY	125.875	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	132.925	RECAP
ALTITUDE	HIGH	MODIFIED
FREQUENCY	338.35	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	351.85	RECAP
ALTITUDE	HIGH	MODIFIED

SITE WATERFORD, PA

LATITUDE - 41-52-41.2 N

LONGITUDE - 080-01-25.19 W

FREQUENCY	127.075	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	292.175	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	323.2	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP

SITE WATERVILLE, OH

LATITUDE - 41-27-05.28 N

LONGITUDE - 083-38-19.16 W

FREQUENCY	128.625	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	379.2	RECAP

FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
SITE WAYLAND, NY		
LATITUDE - 42-30-27.24 N	LONGITUDE - 077-36-58.96 W	
FREQUENCY	119.375	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	124.325	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	127.475	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	235.975	ADDED
ALTITUDE	HIGH	ADDED
CHARTED	NO	ADDED
FREQUENCY	338.35	DELETED
ALTITUDE	LOW	DELETED
CHARTED	NO	DELETED
FREQUENCY	346.35	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	353.85	RECAP
FREQ USE	DISCRETE	DELETED
ALTITUDE	LOW	RECAP
FREQUENCY	369.9	RECAP
FREQ USE	NOT FOR PUBLICATION	DELETED
ALTITUDE	HIGH	RECAP

**AIRPORT**

CALIFORNIA	<b>NFDD 117 - 1</b>	06/17/2022
FORTUNA		
ROHNERVILLE AIRPORT	( FOT )	01586.A
LATITUDE - 40-33-14.189 N	LONGITUDE -	124-07-57.56 W
ARPT ELEV DATE	08/08/2021	MODIFIED
ARPT ELEV SOURCE	3RD PARTY SURVEY	MODIFIED
LATITUDE	40-33-14.189 N	MODIFIED
LONGITUDE	124-07-57.56 W	MODIFIED
ARPT PSN DATE	08/08/2021	MODIFIED
ARPT PSN SOURCE	3RD PARTY SURVEY	MODIFIED
RWY ID	11/29	

LENGTH	4004	MODIFIED
LENGTH DATE	08/08/2021	MODIFIED
LENGTH SOURCE	3RD PARTY SURVEY	MODIFIED
WIDTH	100	RECAP
SURFACE	ASPH - GOOD	RECAP
RWY END	11	
ELEVATION	340.5	MODIFIED
RWY END ELEV DATE	08/08/2021	MODIFIED
RWY END ELEV SOURCE	3RD PARTY SURVEY	MODIFIED
LATITUDE	40-33-26.2303 N	MODIFIED
LONGITUDE	124-08-18.1343 W	MODIFIED
RWY END PSN DATE	08/08/2021	MODIFIED
RWY END PSN SOURCE	3RD PARTY SURVEY	MODIFIED
TDZ ELEVATION	382	MODIFIED
TDZ ELEV DATE	08/08/2021	MODIFIED
TDZ ELEV SOURCE	3RD PARTY SURVEY	MODIFIED
VGSI	4-BOX VASI ON RIGHT SIDE OF RUNWAY	RECAP
THR CROSSING HGT	59	MODIFIED
VISUAL GLIDE ANGLE	3.00	RECAP
RWY END	29	
RWY END ELEV DATE	08/08/2021	MODIFIED
RWY END ELEV SOURCE	3RD PARTY SURVEY	MODIFIED
LATITUDE	40-33-02.1469 N	MODIFIED
LONGITUDE	124-07-36.9884 W	MODIFIED
RWY END PSN DATE	08/08/2021	MODIFIED
RWY END PSN SOURCE	3RD PARTY SURVEY	MODIFIED
TDZ ELEV DATE	08/08/2021	MODIFIED
TDZ ELEV SOURCE	3RD PARTY SURVEY	MODIFIED

FLORIDA NFDD 117 - 2 06/17/2022  
 FORT MYERS  
 PAGE FLD AIRPORT ( FMY ) 03198.A

LATITUDE -	26-35-11.814 N	LONGITUDE -	081-51-47.689 W
RWY ID	05/23		
RWY END	05		
TORA	6406		MODIFIED
TODA	6406		MODIFIED
ASDA	6007		MODIFIED
LDA	5548		MODIFIED
RWY END	23		
TORA	6406		MODIFIED
TODA	6406		MODIFIED
ASDA	5947		MODIFIED
LDA	5548		MODIFIED

FLORIDA NFDD 117 - 3 06/17/2022  
 TAMPA  
 MACDILL AFB AIRPORT ( MCF ) 03514.A PRIVATE

LATITUDE -	27-50-57.64 N	LONGITUDE -	082-31-16.39 W
RMK	RSTD: HELIPAD H1 (100 FT X 100 FT CON) USA RES AVN SUPPORT FAC		ADDED
	MACDILL USE ONLY.		
RWY ID	H1		
LENGTH	100		ADDED
LENGTH DATE	06/15/2022		ADDED

LENGTH SOURCE	MILITARY	ADDED
WIDTH	100	ADDED
SURFACE	CONC - EXCELLENT	ADDED
RWY END	H1	
RWY END	H1	ADDED
ELEVATION	9.7	ADDED
RWY END ELEV DATE	06/15/2022	ADDED
RWY END ELEV SOURCE	MILITARY	ADDED
LATITUDE	27-50-41.602 N	ADDED
LONGITUDE	082-30-47.41 W	ADDED
RWY END PSN DATE	06/15/2022	ADDED
RWY END PSN SOURCE	MILITARY	ADDED
RMK	....MILITARY VALIDATED (FIL #KMCF-213026 AND KMCF-212631)....	NOTE

INDIANA	<b>NFDD 117 - 4</b>	06/17/2022	
SOUTH BEND			
GRANGER HOSPITAL HELIPORT	( IN67 )	05310.04H	<b>PRIVATE</b>
LATITUDE - 41-44-04.82 N	LONGITUDE -	086-09-04.44 W	
ARPT ELEV DATE	06/07/2022		MODIFIED
ARPT ELEV SOURCE	ADO		MODIFIED
ARPT PSN DATE	06/07/2022		MODIFIED
ARPT PSN SOURCE	ADO		MODIFIED
RWY ID	H1		
LENGTH SOURCE	ADO		MODIFIED

MASSACHUSETTS	<b>NFDD 117 - 5</b>	06/17/2022	
FALMOUTH			
CAPE COD COAST GUARD AIR STATION AIRPORT	( FMH )	08906.A	<b>PRIVATE</b>
LATITUDE - 41-39-32.9 N	LONGITUDE -	070-31-22.1 W	
RMK	APT BCN SKED: DUSK-2300.		MODIFIED
RMK	TGL OPS FOR ACFT OVR 200000 LBS PROHIBITED.		ADDED
RMK	....MILITARY VALIDATED (FIL 2022-001)....		NOTE

MICHIGAN	<b>NFDD 117 - 6</b>	06/17/2022	
TAYLOR			
BEAUMONT HOSPITAL TAYLOR HELIPORT	( 05MI )	10365.H	<b>PRIVATE</b>
LATITUDE - 42-14-11.0 N	LONGITUDE -	083-16-35.0 W	
ARPT NAME	OAKWOOD HERITAGE HOSPITAL		REPLACED
ARPT NAME	BEAUMONT HOSPITAL TAYLOR		NEW

MISSISSIPPI	<b>NFDD 117 - 7</b>	06/17/2022	
PHILADELPHIA			
BARRETT FLD AIRPORT	( MS96 )	11387.A	<b>PRIVATE</b>
LATITUDE - 32-46-00.482 N	LONGITUDE -	089-06-00.216 W	
RWY ID	06/24		
LENGTH	4000		RECAP
WIDTH	70		RECAP
SURFACE	ASPH/GRVL - POOR		MODIFIED
RMK	SURFACE: CRACKS IN RWY.		ADDED

NEBRASKA	<b>NFDD 117 - 8</b>	06/17/2022	
SCRIBNER			
SCRIBNER STATE AIRPORT	( SCB )	12917.A	

LATITUDE -	41-36-37.2 N	LONGITUDE -	096-37-47.5 W	
WIND INDICATOR	YES-L			RECAP
APT BCN SKED	SEE RMK			MODIFIED
APT LGT SKED	SS-SR			ADDED
RMK	APT BCN SKED: ROTG BCN OTS INDEF.			ADDED
RMK	WIND INDICATOR: WINDSOCK TEMPLY NOT LGTD.			ADDED
RMK	NO FUEL AVBL.			DELETED
RWY ID	17/35			
RMK	INTENS RWY LGTS: MIRL OTS INDEFINITELY.			DELETED

NEBRASKA		<b>NFDD 117 - 9</b>	06/17/2022	
SIDNEY				
SIDNEY MUNI/LLOYD W CARR FLD AIRPORT		( SNY )	12927.A	
LATITUDE -	41-05-59.139 N	LONGITUDE -	102-59-05.975 W	
RWY ID	03/21			
RWY END	03			
CTLG OBSTN	PLINE			DELETED
RWY END	21			
CTLG OBSTN	HILL			DELETED

NORTH CAROLINA		<b>NFDD 117 - 10</b>	06/17/2022	
ASHEVILLE				
ASHEVILLE RGNL AIRPORT		( AVL )	16517.5A	
LATITUDE -	35-26-10.007 N	LONGITUDE -	082-32-31.371 W	
ARPT ELEV	2163.9 S			MODIFIED
ARPT ELEV DATE	11/11/2021			MODIFIED
LATITUDE	35-26-10.007 N			MODIFIED
LONGITUDE	082-32-31.371 W			MODIFIED
ARPT PSN DATE	03/17/2022			MODIFIED
RWY ID	17/35			
LENGTH	8002			MODIFIED
LENGTH DATE	11/11/2021			MODIFIED
WIDTH	150			RECAP
SURFACE	ASPH - EXCELLENT			RECAP
RWY END	17			
ELEVATION	2163.9			MODIFIED
RWY END ELEV DATE	11/11/2021			MODIFIED
LATITUDE	35-26-47.1443 N			MODIFIED
LONGITUDE	082-32-48.0475 W			MODIFIED
RWY END PSN DATE	11/11/2021			MODIFIED
TDZ ELEVATION	2163.9			MODIFIED
TDZ ELEV DATE	11/11/2021			MODIFIED
RWY END	35			
RWY END ELEV DATE	11/11/2021			MODIFIED
LATITUDE	35-25-32.8683 N			MODIFIED
LONGITUDE	082-32-14.699 W			MODIFIED
RWY END PSN DATE	11/11/2021			MODIFIED
TDZ ELEVATION	2141.3			MODIFIED
TDZ ELEV DATE	11/11/2021			MODIFIED
VGSI	4-LIGHT PAPI ON LEFT SIDE OF RUNWAY			RECAP
THR CROSSING HGT	56			MODIFIED
VISUAL GLIDE ANGLE	3.00			RECAP



TEXAS NFDD 117 - 11 06/17/2022  
 ANGLETON/LAKE JACKSON  
 TEXAS GULF COAST RGNL AIRPORT ( LBX ) 23337.22A  
 LATITUDE - 29-06-31.1 N LONGITUDE - 095-27-43.5 W  
 RMK APT LGT SKED: MIRL RWY 17/35 PRESET LOW INTST; TO INCR INTST & MODIFIED  
 ACTVT MALSR RWY 17 - CTAF. PAPI RWYS 17 & 35 OPR CONSLY.

UTAH NFDD 117 - 12 06/17/2022  
 DUGWAY PROVING GROUND  
 MICHAEL AAF (DUGWAY PROVING GROUND) AIRPORT ( DPG ) 25124.3A PRIVATE  
 LATITUDE - 40-11-50.575 N LONGITUDE - 112-56-06.196 W  
 RMK FOR CD CTC CLOVER CON AT 801-777-7575 OR VHF 134.1. MODIFIED  
 RMK ....MILITARY VALIDATED (2022-267).... NOTE

VIRGINIA NFDD 117 - 13 06/17/2022  
 MONETA  
 SMITH MOUNTAIN LAKE AIRPORT ( W91 ) 25884.4A  
 LATITUDE - 37-06-27.8 N LONGITUDE - 079-35-32.9 W  
 RMK LNDG FEE FOR ALL ACFT OVR 5500 LBS PUBLISHED MAX GW. MODIFIED

**AIRSPACE FIXES**

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

EFFECTIVE 8/11/2022 OR AS NOTED THE FOLLOWING AIRSPACE FIXES  
 ARE ESTABLISHED MODIFIED OR CANCELLED AS INDICATED.

\* \* \* ESTABLISHED \* \* \*

NORTH CAROLINA NFDD 117 - 1 06/17/2022  
 EARZZ  
 LATITUDE 35-54-39.84 N EFF: 09/08/2022  
 LONGITUDE 076-51-21.64 W EFF: 09/08/2022  
 ARTCC ZDC EFF: 09/08/2022  
 FIX TYPE WAYPOINT EFF: 09/08/2022  
 CHARTING CONTROLLER HIGH EFF: 09/08/2022  
 CHARTING ENROUTE HIGH EFF: 09/08/2022  
 ICAO REGION K7 EFF: 09/08/2022

OFFSHORE ATLANTIC NFDD 117 - 2 06/17/2022  
 TBONN  
 LATITUDE 38-45-02.83 N EFF: 09/08/2022  
 LONGITUDE 074-45-03.77 W EFF: 09/08/2022  
 ARTCC ZDC EFF: 09/08/2022  
 FIX TYPE WAYPOINT EFF: 09/08/2022  
 CHARTING CONTROLLER HIGH EFF: 09/08/2022  
 CHARTING ENROUTE HIGH EFF: 09/08/2022  
 CHARTING CONTROLLER LOW EFF: 09/08/2022

ICAO REGION

K

EFF: 09/08/2022

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

ALABAMA

**NFDD 117 - 3**

06/17/2022

DEBAY

NAV-FAC-AZIMUTH/DSTC RQZ\*VORTAC\*235.36  
 ILS-FAC-CRS/DSTC TVN\*LS\*4.95  
 LATITUDE 34-43-42.14 N  
 LONGITUDE 086-45-50.22 W  
 LONGITUDE 086-45-50.23 W  
 ARTCC ZME  
 FIX TYPE REP-PT  
 CHARTING IAP  
 CHARTING INFO RNAV  
 ICAO REGION K7

EFF: 09/08/2022 MODIFIED

KANSAS

**NFDD 117 - 4**

06/17/2022

ADEER

NAV-FAC-AZIMUTH/DSTC GCK\*VORTAC\*269.77/16.84  
 NAV-FAC-AZIMUTH/DSTC LBL\*VORTAC\*344.00  
 NAV-FAC-AZIMUTH/DSTC GCK\*VORTAC\*269.76/16.83  
 LATITUDE 37-58-15.58 N  
 LONGITUDE 101-04-25.00 W  
 ARTCC ZKC  
 FIX TYPE REP-PT  
 CHARTING CONTROLLER LOW  
 CHARTING ENROUTE LOW  
 CHARTING IAP  
 CHARTING INFO RNAV  
 ICAO REGION K3

EFF: 09/08/2022 MODIFIED

EFF: 09/08/2022 DELETED

EFF: 09/08/2022 ADDED

EFF: 09/08/2022 DELETED

KANSAS

**NFDD 117 - 5**

06/17/2022

FLACK

NAV-FAC-AZIMUTH/DSTC LBL\*VORTAC\*056.59/31.74  
 NAV-FAC-AZIMUTH/DSTC GCK\*VORTAC\*145.50/44.02  
 NAV-FAC-AZIMUTH/DSTC DDC\*VORTAC\*197.00  
 LATITUDE 37-14-41.20 N  
 LONGITUDE 100-21-31.21 W  
 ARTCC ZKC  
 FIX TYPE REP-PT  
 CHARTING CONTROLLER  
 CHARTING CONTROLLER LOW  
 CHARTING IAP  
 CHARTING ENROUTE LOW  
 CHARTING INFO RNAV  
 ICAO REGION K3

EFF: 09/08/2022 DELETED

EFF: 09/08/2022 DELETED

EFF: 09/08/2022 ADDED

EFF: 09/08/2022 ADDED

KENTUCKY

**NFDD 117 - 6**

06/17/2022

BRBON

NAV-FAC-AZIMUTH/DSTC IIU\*VORTAC\*188.43/16.24

NAV-FAC-AZIMUTH/DSTC	FTK*VOR/DME*105.71	
ILS-FAC-CRS/DSTC	RLI*LD/21.79*170.40	
LATITUDE	37-50-09.94 N	
LONGITUDE	085-38-00.33 W	
ARTCC	ZID	
FIX TYPE	REP-PT	
CHARTING	CONTROLLER	DELETED
CHARTING	CONTROLLER LOW	ADDED
CHARTING	IAP	
CHARTING	ENROUTE LOW	
CHARTING	STAR	
CHARTING INFO	RNAV	
ICAO REGION	K5	

LOUISIANA **NFDD 117 - 7** 06/17/2022

EXITE		
NAV-FAC-AZIMUTH/DSTC	EMG*VORTAC*211.04/29.47	
NAV-FAC-AZIMUTH/DSTC	GGG*VORTAC*113.53/47.50	
LATITUDE	32-00-43.94 N	
LONGITUDE	093-57-04.20 W	
ARTCC	ZFW	
FIX TYPE	REP-PT	
CHARTING	CONTROLLER	DELETED
CHARTING	IAP	ADDED
CHARTING	CONTROLLER LOW	ADDED
CHARTING	ENROUTE LOW	
ICAO REGION	K4	

MICHIGAN **NFDD 117 - 8** 06/17/2022

SRADE		
NAV-FAC-AZIMUTH/DSTC	SSM*VOR/DME*304.00/30.00	
LATITUDE	46-39-29.38 N	
LONGITUDE	084-56-42.97 W	
ARTCC	ZMP	EFF: 09/08/2022 MODIFIED
FIX TYPE	REP-PT	
CHARTING	ENROUTE LOW	
ICAO REGION	K5	

MINNESOTA **NFDD 117 - 9** 06/17/2022

EBYEX		
LATITUDE	45-38-47.54 N	EFF: 09/08/2022 MODIFIED
LATITUDE	45-38-46.94 N	
LONGITUDE	096-03-03.77 W	EFF: 09/08/2022 MODIFIED
LONGITUDE	096-03-03.11 W	
ARTCC	ZMP	
FIX TYPE	WAYPOINT	
CHARTING	IAP	
ICAO REGION	K3	
RMK FAF		EFF: 09/08/2022 MODIFIED

NEW JERSEY **NFDD 117 - 10** 06/17/2022

WHITE	
NAV-FAC-AZIMUTH/DSTC	CYN*VORTAC*046.19/14.08

NAV-FAC-AZIMUTH/DSTC	RBV*VORTAC*146.19		
NAV-FAC-AZIMUTH/DSTC	COL*VOR/DME*204.00		
LATITUDE	40-00-24.32 N		
LONGITUDE	074-15-04.61 W		
ARTCC	ZNY		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER HIGH	EFF: 09/08/2022	ADDED
CHARTING	CONTROLLER LOW	EFF: 09/08/2022	ADDED
CHARTING	ENROUTE LOW		
CHARTING	ENROUTE HIGH		
CHARTING	SID		
CHARTING INFO	RNAV		
ICAO REGION	K6		
NEW JERSEY		<b>NFDD 117 - 11</b>	06/17/2022
YAZUU			
NAV-FAC-AZIMUTH/DSTC	SWL*VORTAC*047.44/105.92		
LATITUDE	39-24-44.82 N		
LONGITUDE	074-01-01.55 W		
ARTCC	ZNY		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER LOW	EFF: 09/08/2022	ADDED
CHARTING	ENROUTE HIGH		
CHARTING	CONTROLLER HIGH		
CHARTING INFO	RNAV		
ICAO REGION	K6		
NEW JERSEY		<b>NFDD 117 - 12</b>	06/17/2022
ZIZZI			
NAV-FAC-AZIMUTH/DSTC	ATR*VOR/DME*085.00	EFF: 09/08/2022	MODIFIED
NAV-FAC-AZIMUTH/DSTC	ATR*VOR/DME*085.00/32.92		
NAV-FAC-AZIMUTH/DSTC	SWL*VORTAC*047.44/68.90		
LATITUDE	38-56-26.46 N		
LONGITUDE	074-31-44.28 W	EFF: 09/08/2022	MODIFIED
LONGITUDE	074-31-44.27 W		
ARTCC	ZDC		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER LOW	EFF: 09/08/2022	ADDED
CHARTING	CONTROLLER HIGH	EFF: 09/08/2022	ADDED
CHARTING	ENROUTE HIGH		
CHARTING INFO	RNAV	EFF: 09/08/2022	ADDED
ICAO REGION	K6		
OFFSHORE ATLANTIC		<b>NFDD 117 - 13</b>	06/17/2022
TOPRR			
LATITUDE	39-50-49.13 N		
LONGITUDE	073-32-12.02 W		
ARTCC	ZDC		
FIX TYPE	WAYPOINT		
CHARTING	CONTROLLER	EFF: 09/08/2022	DELETED
CHARTING	CONTROLLER LOW	EFF: 09/08/2022	ADDED
CHARTING	CONTROLLER HIGH	EFF: 09/08/2022	ADDED
CHARTING	ENROUTE HIGH		

ICAO REGION	K		
OFFSHORE ATLANTIC TUSKY		<b>NFDD 117 - 14</b>	06/17/2022
NAV-FAC-AZIMUTH/DSTC	YQI*VOR/DME*265.98/42.88		EFF: 09/08/2022 DELETED
LATITUDE	43-33-54.00 N		
LONGITUDE	067-00-00.00 W		
ARTCC	ZBW		
FIX TYPE	WAYPOINT		EFF: 09/08/2022 MODIFIED
CHARTING	ENROUTE HIGH		
CHARTING	STAR		
CHARTING	SID		
CHARTING	CONTROLLER HIGH		
CHARTING INFO	COMPULSORY HIGH		EFF: 09/08/2022 MODIFIED
	RNAV		
ICAO REGION	K		

OFFSHORE ATLANTIC VALCO		<b>NFDD 117 - 15</b>	06/17/2022
LATITUDE	40-05-29.86 N		
LONGITUDE	073-08-22.91 W		
ARTCC	ZBW		
FIX TYPE	WAYPOINT		
CHARTING	CONTROLLER		EFF: 09/08/2022 DELETED
CHARTING	CONTROLLER HIGH		EFF: 09/08/2022 ADDED
CHARTING	CONTROLLER LOW		EFF: 09/08/2022 ADDED
CHARTING	ENROUTE HIGH		
ICAO REGION	K		

WISCONSIN SPRYS		<b>NFDD 117 - 16</b>	06/17/2022
NAV-FAC-AZIMUTH/DSTC	MNM*VOR/DME*240.00		EFF: 09/08/2022 DELETED
NAV-FAC-AZIMUTH/DSTC	GRB*VORTAC*001.63/24.64		
LATITUDE	44-57-55.26 N		
LONGITUDE	088-10-05.96 W		
ARTCC	ZMP		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER LOW		EFF: 09/08/2022 ADDED
CHARTING	ENROUTE LOW		
CHARTING	IAP		
CHARTING INFO	RNAV		EFF: 09/08/2022 ADDED
ICAO REGION	K5		

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

ARKANSAS KADNE		<b>NFDD 117 - 17</b>	06/17/2022
LATITUDE	35-03-56.10 N		EFF: 09/08/2022
LONGITUDE	093-20-05.59 W		EFF: 09/08/2022
ARTCC	ZME		EFF: 09/08/2022
FIX TYPE	WAYPOINT		EFF: 09/08/2022

CHARTING  
ICAO REGION

IAP  
K4

EFF: 09/08/2022  
EFF: 09/08/2022

**HOLDING PATTERNS**

EFFECTIVE 8/11/2022 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 \* \* \*

KENTUCKY		<b>NFDD 117 - 1</b>	06/17/2022	
BRBON INT*KY*K5	PATTERN - 1			
DEFINING RESOURCE	IIU*VORTAC			
HOLD-DIR	S			
DEGREES	188			
AZIMUTH	RAD			
CRS-INB	008			
TURN-DIR	R			
CHARTING	IAP			
CHARTING	ENROUTE LOW			ADDED

SOUTH DAKOTA		<b>NFDD 117 - 2</b>	06/17/2022	
YANKTON VOR/DME*SD	PATTERN - 1			
DEFINING RESOURCE	YKN*VOR/DME			
HOLD-DIR	NW		EFF: 09/08/2022	MODIFIED
DEGREES	316		EFF: 09/08/2022	MODIFIED
AZIMUTH	RAD			
CRS-INB	136		EFF: 09/08/2022	MODIFIED
TURN-DIR	R			
CHARTING	IAP			

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

SOUTH DAKOTA		<b>NFDD 117 - 3</b>	06/17/2022	
YANKTON VOR/DME*SD	PATTERN - 2			
DEFINING RESOURCE	YKN*VOR/DME			
HOLD-DIR	NW		EFF: 09/08/2022	
DEGREES	316		EFF: 09/08/2022	
AZIMUTH	RAD		EFF: 09/08/2022	
CRS-INB	136		EFF: 09/08/2022	
TURN-DIR	R		EFF: 09/08/2022	
CHARTING	IAP		EFF: 09/08/2022	

**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.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SAWGY	THREE	SAWGY3.OMN	TWO	01/08/2015	<b>8 Sep 2022</b>

<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 type="checkbox"/>

**DP ROUTE DESCRIPTION:**

TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO JOIN CRG R-140 TO SAWGY INT, THEN ON OMN R-355 TO OMN VORTAC, THENCE...

...ON RADAR VECTORS TO APPROPRIATE ROUTE. MAINTAIN 3000, 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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**PROCEDURAL DATA NOTES:**

NOTE: EXPECT TO CROSS SAWGY INT AT OR ABOVE 12000.

**PBN REQUIREMENTS NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED

**TAKEOFF MINIMUMS:**

RWY 8, 14, 26, 32: STANDARD.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: 3000

**AIRPORTS SERVED:**

AIRPORT ID

CITY

STATE

KJAX

JACKSONVILLE

FL



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
SAWGY	THREE	SAWGY3.OMN	TWO	01/08/2015	<b>8 Sep 2022</b>

**COMMUNICATIONS:**

CHART: ATIS, CLNC DEL, GND CON, TOWER, DEP CON.

**FIXES AND/OR NAVAIDS:**

CHART: DINNS NDB

**REMARKS:**

ABBREVIATED AMENDMENT.

**FLIGHT INSPECTED BY**

PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
	<b>ALLAN WILL</b>		
	May 04, 2022		

**DEVELOPED BY**

SHANE FOWLER	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>
	<b>SHANE FOWLER</b>	AJV-A423	03/25/2022
	Apr 19, 2022		

**APPROVED BY**

MARLON ROBINSON	<i>Digitally signed by</i>	<b>OFFICE</b>	<b>DATE</b>	<b>TITLE</b>
	<b>ALLAN WILL</b>	AJV-A420		MANAGER
	May 04, 2022			

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** AMGR, JAX APP/CON, JAX ATCT, ZJX.

**CHANGES - REASONS:**

1. DP ROUTE DESCRIPTION CHANGED FROM "TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO JOIN CRG R-140 TO SAWGY INT, THEN ON OMN R-355 TO OMN VORTAC, MAINTAIN 3000, EXPECT CLEARANCE TO REQUESTED ALTITUDE/FLIGHT LEVEL 10 MINUTES AFTER DEPARTURE" TO "TAKEOFF ALL RUNWAYS: CLIMB ON ASSIGNED HEADING FOR RADAR VECTORS TO JOIN CRG R-140 TO SAWGY INT, THEN ON OMN R-355 TO OMN VORTAC, THENCE... ..ON RADAR VECTORS TO APPROPRIATE ROUTE. MAINTAIN 3000, EXPECT FILED ALTITUDE 10 MINUTES AFTER DEPARTURE" - ATC REQUEST.
2. EQUIPMENT REQUIREMENT NOTES: ADDED RADAR REQUIRED - FOR RADAR VECTORS PER THE DP ROUTE DESCRIPTION FOR ALL RUNWAYS.
3. TAKEOFF OBSTACLE NOTES: CHANGED TO READ "SEE FORM 8260-15A, TAKEOFF MINIMUMS AND OBSTACLE DEPARTURE PROCEDURES (ODP)" - IAW 8260.46H.





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

Bearings, headings, courses, tracks and radials are magnetic. Elevations and altitudes are in feet, MSL. Altitudes are minimum altitudes unless otherwise indicated.  
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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
BRDGE	NINE	BRDGE.BRDGE9	EIGHT	04/27/2017	8 Sep 2022

**TRANSITION ROUTES:**

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
LEE COUNTY	RSW.BRDGE9	RSW VORTAC	ROGAN	353.74 (RSW R-354)	43.59	5000			
		ROGAN	BRDGE	317.79 (PIE R-138)	17.67	5000			
LA BELLE	LBV.BRDGE9	LBV VORTAC	BRDGE	312.38 & 317.79 (PIE R-138 & LBV R-312)	54.56	5000			
PAHOKEE	PHK.BRDGE9	PHK VOR/DME	BRDGE	297.75 (PHK R-298)	87.03	11000			

**ARRIVAL ROUTE DESCRIPTION:**

LA BELLE TRANSITION: FROM OVER LBV VORTAC ON LBV R-312 & PIE R-138 TO BRDGE THENCE ...  
 LEE COUNTY TRANSITION: FROM OVER RSW VORTAC ON RSW R-354 TO ROGAN, THEN ON PIE R-138 TO BRDGE THENCE ...  
 PAHOKEE TRANSITION: FROM OVER PHK VOR/DME ON PHK R-298 TO BRDGE THENCE ...  
 KTPA: RWY 19 L/R: FROM OVER BRDGE ON PIE R-138 TO JSTRM. DEPART JSTRM HEADING 360 FOR RADAR VECTORS TO FINAL APPROACH COURSE.  
 RWY 01 L/R: FROM OVER BRDGE ON PIE R-138 TO PIE VORTAC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE AFTER BRDGE.  
 KPIE, KCLW, KTPF, KSPG, KMCF, KVDF: FROM OVER BRDGE ON PIE R-138 TO PIE VORTAC. EXPECT RADAR VECTORS TO FINAL APPROACH COURSE/AIRPORT AFTER BRDGE.

**PROCEDURAL DATA NOTES:**

TURBOJET VERTICAL NAVIGATION PLANNING INFORMATION:  
 KTPA LANDING SOUTH: EXPECT CLEARANCE TO CROSS BRDGE AT 11000.  
 KTPA LANDING NORTH: EXPECT CLEARANCE TO CROSS BRDGE AT 11000 AND 250 KIAS.

**FIXES AND/OR HOLDING PATTERNS:**

CHART HOLDING AT BRDGE (HOLD SE, RT, 317.79 INBOUND).

**COMMUNICATIONS:**

CHART: TAMPA APP CON.



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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>
<b>BRDGE</b>	<b>NINE</b>	<b>BRDGE.BRDGE9</b>	<b>EIGHT</b>	<b>04/27/2017</b>	<b>8 Sep 2022</b>

**AIRPORTS SERVED:**

<u>AIRPORT NAME</u>	<u>CITY</u>	<u>STATE</u>
TAMPA INTL (KTPA)	TAMPA	FL
ST. PETE-CLEARWATER INTL (KPIE)	ST. PETERSBURG - CLEARWATER	FL
ALBERT WHITTED (KSPG)	ST. PETERSBURG	FL
PETER O KNIGHT (KTPF)	TAMPA	FL
MACDILL AFB (KMCF)	TAMPA	FL
CLEARWATER AIR PARK (KCLW)	CLEARWATER	FL
TAMPA EXECUTIVE (KVDF)	TAMPA	FL

**LOST COMMUNICATIONS PREFERENCES:**

STANDARD.

**REMARKS:**

ABBREVIATED AMENDMENT DOES NOT MEET PERIODIC REVIEW REQUIREMENTS. ATC REQUEST TO UTILIZE DIFFERENT ALTITUDES AT COMMON FIX.

**ADDITIONAL FLIGHT DATA:**

MAGNETIC VARIATIONS: PIE - W5, LAL - E1, RSW - W2, LBV - E1, PHK - E0.  
CHART: LAL R-230 AT JSTRM, LAL R-190 AT BRDGE, LAL R-171 AT ROGAN.



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FLIGHT STANDARDS SERVICE  
STANDARD TERMINAL ARRIVAL (STAR)**

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
<b>BRDGE</b>	<b>NINE</b>	<b>BRDGE.BRDGE9</b>	<b>EIGHT</b>	<b>04/27/2017</b>	<b>8 Sep 2022</b>

<b>FLIGHT INSPECTED BY:</b>	<b>ORGANIZATION:</b>	<b>DATE:</b>		<i>Digitally signed by</i>
PROCESSED IAW TECHNICAL SUPPORT GROUP (AJF-17) MEMO DATED 07/07/2021, SUBJECT: GUIDANCE FOR PROCEDURAL CHANGES REQUIRING FLIGHT INSPECTION/VALIDATION.			Flight Inspected Signature:	<b>ALLAN WILL</b> Apr 05, 2022
<b>DEVELOPED BY:</b>				<i>Digitally signed by</i>
SHANE FOWLER	<b>SHANE FOWLER</b>	AJV-A423	03/25/2022	Developed By Signature: <b>ALLAN WILL</b> Apr 05, 2022
	Mar 29, 2022			<i>Digitally signed by</i>
<b>APPROVED BY:</b>				Approved By Signature: <b>ALLAN WILL</b> Apr 05, 2022
MARLON ROBINSON		AJV-A420		

- CHANGES:**
1. REMOVED ALL INSTANCES OF "INT" FROM FORM.
  2. INCREASED RSW AND LBV TRANSITION MEAS TO 5000.
  3. ARRIVAL ROUTE DESCRIPTION: CHANGED ALL INSTANCES OF "VECTOR" TO "RADAR VECTORS".
- REASONS:**
- 1, 3. IAW CURRENT DOCUMENTATION STANDARDS.
  2. NAVAID RECEPTION.



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

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Ceilings are in feet above airport elevation. Distances are in nautical miles. Visibilities are in statute miles or feet RVR unless otherwise indicated.

<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LOGAN	FOUR	LOGAN4.BOS	THREE	10/07/2021	<b>8 Sep 2022</b>

<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 type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**JET AIRCRAFT:**

**TAKEOFF RWY 4L:** CLIMB ON HEADING 034.73 TO BOS 4.00 DME, THEN RIGHT TURN HEADING 090.00, THENCE...

**TAKEOFF RWY 4R:** CLIMB ON HEADING 034.74 TO BOS 4.00 DME, THEN RIGHT TURN HEADING 090.00, THENCE...

**TAKEOFF RWY 9:** CLIMB ON HEADING 091.56, THENCE...

**TAKEOFF RWY 14:** CLIMB ON HEADING 140.65 TO BOS 1.02 DME, THEN LEFT TURN HEADING 120.00, THENCE...

**TAKEOFF RWY 15R:** CLIMB ON HEADING 150.16 TO BOS 1.00 DME, THEN LEFT TURN HEADING 120.00, THENCE...

**TAKEOFF RWY 22L/22R:** CLIMBING LEFT TURN HEADING 140.00, THENCE...

**TAKEOFF RWY 27:** CLIMB ON HEADING 271.58 TO BOS 2.20 DME, THEN LEFT TURN HEADING 235.00, THENCE...

**TAKEOFF RWY 33L:** CLIMB ON HEADING 330.18 TO BOS 2.00 DME, THEN LEFT TURN HEADING 316.00, THENCE...

**NON JET AIRCRAFT:**

CLIMB ON ASSIGNED HEADING, THENCE...

...EXPECT RADAR VECTORS TO ASSIGNED ROUTE/NAVAID/FIX. JET AIRCRAFT MAINTAIN 5000 OR LOWER ASSIGNED ALTITUDE. NON JET AIRCRAFT MAINTAIN 3000 OR LOWER ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (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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**PROCEDURAL DATA NOTES:**

**NOTE:** NON RNAV EQUIPPED AIRCRAFT CAN EXPECT VECTORS ON ASSIGNED ROUTE.

**NOTE:** JET AIRCRAFT DEPARTURE HEADINGS/VECTORS ARE PREDICATED ON AVOIDING NOISE SENSITIVE AREAS. FLIGHT CREW AWARENESS AND COMPLIANCE IS IMPORTANT IN MINIMIZING NOISE IMPACTS ON SURROUNDING COMMUNITIES. AIRCRAFT THAT ARE INITIALLY VECTORED OVER WATER CAN EXPECT TO CROSS THE COASTLINE ABOVE 6000 MSL BEFORE PROCEEDING ON COURSE.

**NOTE:** BLZZR DEPARTURES EXPECT VECTORS ON BOS R-273, DME REQUIRED.

**NOTE:** BRUWN DEPARTURES EXPECT VECTORS ON BOS R-159, DME REQUIRED.

**NOTE:** CELTK DEPARTURES EXPECT VECTORS ON BOS R-114.

**NOTE:** HYLND DEPARTURES EXPECT VECTORS ON BOS R-350, DME REQUIRED.

**NOTE:** PATSS DEPARTURES EXPECT VECTORS ON BOS R-260, DME REQUIRED.

**NOTE:** REVSS DEPARTURES EXPECT VECTORS ON BOS R-285, DME REQUIRED.

**NOTE:** SSOXS DEPARTURES EXPECT VECTORS ON BOS R-177, DME REQUIRED.

**PBN REQUIREMENTS NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.

DME REQUIRED FOR JET AIRCRAFT DEPARTING RWY 4R, 4L, 14, 15R, 27, 33L.



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LOGAN	FOUR	LOGAN4.BOS	THREE	10/07/2021	<b>8 Sep 2022</b>

**TAKEOFF MINIMUMS:**

**RWY 15L:** NA-ATC.  
**RWY 32, 33R:** NA - ENVIRONMENTAL.  
**RWY 4R, 15R:** STANDARD.  
**RWY 4L:** 300-1 OR STANDARD WITH MINIMUM CLIMB OF 369 FT PER NM TO 300.  
**RWY 9:** 300-1 1/4 OR STANDARD WITH MINIMUM CLIMB OF 266 FT PER NM TO 300.  
**RWY 14:** STANDARD WITH MINIMUM CLIMB OF 233 FT PER NM TO 1100.  
**RWY 22L:** 300-1 OR STANDARD IF TOWER REPORTS NO TALL VESSELS IN THE DEPARTURE AREA.  
**RWY 22R:** 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 320 FT PER NM TO 300.  
**RWY 27:** STANDARD WITH MINIMUM CLIMB OF 487 FT PER NM TO 1000.  
**RWY 33L:** 300-1 3/4 OR STANDARD WITH MINIMUM CLIMB OF 232 FT PER NM TO 400, OR ALTERNATIVELY, WITH STANDARD TAKEOFF MINIMUMS AND A NORMAL 200 FT PER NM CLIMB GRADIENT, TAKEOFF MUST OCCUR NO LATER THAN 2100 FEET PRIOR TO DER.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

**RWY 4L:** 198 FT MSL TREE 422323.77N/0710017.02W.  
**RWY 9:** 211 FT MSL TANK 422204.30N/0705803.73W.  
**RWY 14:** 876 FT MSL BUILDING 422057.45N/0710430.58W.  
**RWY 22L:** 176 FT MSL SHIP RIG 422041.00N/0710053.00W.  
**RWY 22R:** 176 FT MSL SHIP RIG 422051.00N/0710110.00W.  
**RWY 27:** 876 FT MSL BUILDING 422057.45N/0710430.58W (CLIMB-TO ALTITUDE). 720 FT MSL BUILDING 422117.13N/0710323.41W (CLIMB GRADIENT).  
**RWY 33L:** 262 FT MSL BRIDGE 422308.76N/0710248.14W.

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

**CHART:** BOS R-273/35.3 DME AT BLZZR.  
**CHART:** BOS R-159/56.6 DME AT BRUWN.  
**CHART:** BOS R-114/39.8 DME AND LRV R-005/15.2 DME AT CELTK.  
**CHART:** BOS R-350/28.4 DME AT HYLND.  
**CHART:** BOS R-260/36.0 DME AT PATSS.  
**CHART:** BOS R-285/36.5 DME AT REVSS.  
**CHART:** BOS R-177/33.1 DME AND PVD R-091/31.4 DME AT SSOXS.  
**CHART:** BOS R-048/31.0 DME AT LBSTA.  
**CHART:** TOP ALTITUDE: (JETS) 5000/(PROPS) 3000.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KBOS	BOSTON	MA

**COMMUNICATIONS:**

ATIS, CLNC DEL, GND CON, TOWER, DEP CON, CPDLC

**FIXES AND/OR NAVAIDS:**

ACK VOR/DME, BAF VORTAC, CAM VOR/DME, CTR VOR/DME, ENE VOR/DME, LRV VOR/DME, MVY VOR/DME, PVD VOR/DME, SEY VOR/DME, BLZZR, BOSOX, BRUWN, BURDY, CELTK, DUNKK, FREDO, FRILL, GLYDE, HANAA, HYLND, LBSTA, NELIE, PATSS, REVSS, SSOXS, MANCH, PEASE.

**REMARKS:**

ABBREVIATED AMENDMENT



<u>DP NAME</u>		<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
LOGAN		FOUR	LOGAN4.BOS	THREE	10/07/2021	<b>8 Sep 2022</b>

<u>FLIGHT INSPECTED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
BOB S PRESSLER	<b>DONALD H LANIER</b>	FPO	05/18/2022
	May 19, 2022		

<u>DEVELOPED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>
DONALD LANIER (MICAH HILLEY)	<b>DONALD H LANIER</b>	AJV-A431	04/04/2022
	May 19, 2022		

<u>APPROVED BY</u>	<i>Digitally signed by</i>	<u>OFFICE</u>	<u>DATE</u>	<u>TITLE</u>
CASIMIR TABAKA	<b>DONALD H LANIER</b>	AJV-A430		MANAGER
	May 19, 2022			

REQUIRED EFFECTIVE DATE  
ROUTINE

COORDINATED WITH:

A4A  ALPA  AOPA  APA  HAI  NBAA  OTHER: ZBW, BOS APP CON, BOS ATCT, AMGR

CHANGES - REASONS:

- 1: ADDED MANCH AND PEASE TO FIXES AND/OR NAVAIDS - PER FPT REQUEST; 8260.46H APPENDIX D SECTION 2 (15).
- 2: REMOVED AIRPORT NAME FROM AIRPORT SERVED - NO LONGER REQUIRED; 8260.46H APPENDIX D SECTION 2 (13).
- 3: MOVED RADAR REQUIRED FROM PROCEDURAL NOTES TO EQUIPMENT NOTES - 8260.46H APPENDIX D SECTION 2 (6).
- 4: MOVED "DME REQUIRED FOR JET AIRCRAFT DEPARTING RWY 4R, 4L, 14, 15R, 27, 33L" FROM PROCEDURAL DATA NOTES TO EQUIPMENT NOTES - 8260.46H APPENDIX D SECTION 2 (6).



**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>
WYLYY	FIVE	WYLYY5.WYLYY	FOUR	10/07/2021	<b>8 Sep 2022</b>

<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"/>

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 27:** CLIMB ON HEADING 271.56 TO INTERCEPT COURSE 234.28 TO CROSS WYLYY AT OR ABOVE 2300, THEN ON DEPICTED ROUTE TO CYOTI, THENCE...

...EXPECT VECTORS TO ASSIGNED FIX/NAVAID (SEE NOTES). MAINTAIN 5000 OR LOWER ASSIGNED ALTITUDE. EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL WITHIN TEN (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>

**PROCEDURAL DATA NOTES:**

**NOTE:** ATC ASSIGNED. DO NOT FILE.

**NOTE:** FOR TURBOJETS ONLY.

**NOTE:** DEPARTURE HDG/RNAV TRACKS/VECTORS ARE PREDICATED ON AVOIDING NOISE SENSITIVE AREAS. FLIGHT CREW AWARENESS AND COMPLIANCE IS IMPORTANT IN MINIMIZING NOISE IMPACTS ON SURROUNDING COMMUNITIES.

**NOTE:** DEPARTURES ASSIGNED ROUTING VIA LBSTA, PEASE, MANCH, HYLND, OR REVSS DIRECT SPENO; BLZZR DIRECT ONEPS; PATSS, GLYDE, OR BOSOX EXPECT RADAR VECTORS TO THE RIGHT TO ASSIGNED ROUTE/FIX.

**NOTE:** DEPARTURES ASSIGNED ROUTING VIA CELTK, FRILL, LRV VOR/DME, ACK VOR/DME, BRUWN, SSOXS, LUCOS, SEY VOR/DME, OR BURDY EXPECT RADAR VECTORS TO THE LEFT TO ASSIGNED ROUTE/FIX.

**PBN REQUIREMENTS NOTES:**

RNAV 1 - DME/DME/IRU OR GPS.

**EQUIPMENT REQUIREMENT NOTES:**

**NOTE:** RADAR REQUIRED.

**TAKEOFF MINIMUMS:**

**RWY 4L, 4R, 9, 14, 15L, 15R, 22L, 22R, 32, 33L, 33R:** NA-ATC.

**RWY 27:** STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 2300.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

**RWY 27:** 876 FT MSL BUILDING 422057.45N/0710430.58W (CLIMB-TO ALTITUDE). 720 FT MSL BUILDING 422117.13N/0710323.41W (CLIMB GRADIENT)

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**



<u>DP NAME</u>	<u>NUMBER</u>	<u>DP COMPUTER CODE</u>	<u>SUPERSEDED NUMBER</u>	<u>DATED</u>	<u>ACTUAL EFFECTIVE DATE</u>
WYLYY	FIVE	WYLYY5.WYLYY	FOUR	10/07/2021	<b>8 Sep 2022</b>

**ADDITIONAL FLIGHT DATA:**

DME/DME ASSESSMENT: SAT (RNP 2.0)

CHART: TOP ALTITUDE: 5000.

**AIRPORTS SERVED:**

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KBOS	BOSTON	MA

**COMMUNICATIONS:**

CHART ATIS, CLNC DEL, GND CON, TOWER, CPDLC

**FIXES AND/OR NAVAIDS:**

BLZZR, BOSOX, BRUWN, BURDY, CELTK, FRILL, GLYDE, HYLND, LBSTA, LUCOS, MANCH, NELIE, ONEPS, PATSS, PEASE, REVSS, SPENO, SSOXS, ACK VOR/DME, BAF VORTAC, BOS VOR/DME, CTR VOR/DME, LFV VOR/DME, SEY VOR/DME

**REMARKS:**

ABBREVIATED AMENDMENT.

PRO RUNS FOR WYLYY COULD NOT BE LOCATED.

CLIMB-TO ALTITUDE OF 2300 FOR RWY 27 IN TAKEOFF MINIMUMS IS REQUESTED BY ATC.

**FLIGHT INSPECTED BY**

*Digitally signed by*

STEPHEN BAUER

**ALLAN WILL**

Jun 14, 2022

**OFFICE**

FPO

**DATE**

06/10/2022

**DEVELOPED BY**

*Digitally signed by*

KELLIE BARNES

**KELLIE R BARNES**

Apr 05, 2022

**OFFICE**

AJV-A422

**DATE**

04/04/2022

**APPROVED BY**

*Digitally signed by*

MARLON ROBINSON

**ALLAN WILL**

Jun 14, 2022

**OFFICE**

AJV-A420

**DATE**

**TITLE**

MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZBW, BOS APP COCN, BOS ATCT, AMGR

**CHANGES - REASONS:**

1. CHANGED RWY 27 TAKEOFF MINIMUMS FROM " STANDARD WITH A MINIMUM CLIMB OF 487 FT PER NM TO 1000" TO "STANDARD WITH A MINIMUM CLIMB OF 500 FT PER NM TO 2300" - MATCH OTHER PUBLISHED CGS ON RNAVS SIDS FOR RWY 27; CLIMB-TO ALTITUDE ATC REQUESTED; CLEAR FDC NOTAM 1/0299
2. REMOVED "NOTE: DME/DME/IRU OR GPS REQUIRED" AND "NOTE: RNAV 1" FROM PROCEDURE DATA NOTES - 8260.46H APPENDIX E-5
3. ADDED "RNAV 1 - DME/DME/IRU OR GPS" TO PBN REQUIREMENTS NOTES - 8260.46G APPENDIX E-5
4. MOVED "NOTE: RADAR REQUIRED" FROM PROCEDURAL DATA NOTES TO EQUIPMENT REQUIREMENT NOTES - 8260.46H APPENDIX E-6
5. REMOVED "REFERENCE MAG VAR: KBOS 15W, EPOCH YEAR: 2020" FROM ADDITIONAL FLIGHT DATA - NO LONGER REQUIRED PER 8260.46H APPENDIX E-12
6. ADDED "CHART" TO LIST OF REQUIRED FREQUENCIES IN COMMUNICATIONS - 8260.46H APPENDIX E-14
7. ADDED "CLIMB-TO ALTITUDE OF 2300 FOR RWY 27 IN TAKEOFF MINIMUMS IS REQUESTED BY ATC" TO REMARKS - ADDED TO DOCUMENT THE REQUEST SO IT WON'T BE LOWERED ON FUTURE AMENDMENTS





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>
WYLYY	FIVE	WYLYY5.WYLYY	FOUR	10/07/2021	8 Sep 2022

  

<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>
RW27 (AER)	422136.78N/0705915.73W	N	-	-	-	-			
	422059.08N/0710248.41W	-	-	VI	256.56	2.70			CG 500 FT PER NM TO 2300
WYLYY	421802.96N/0710602.40W	Y	FB	CF	219.28	3.79	AT/ABOVE 2300		
CYOTI	420923.83N/0711525.55W	Y	FB	TF	218.93	11.11			



**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>
BLUFS	FIVE		FOUR	07/16/2020	8 SEP 2022

<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 type="checkbox"/>

**DP ROUTE DESCRIPTION:**

**TAKEOFF RWY 14L, 14R:** CLIMB ON HEADING 142.39 TO 1700, THENCE ...

**TAKEOFF RWY 18:** CLIMB ON HEADING 178.21 TO 1900, THENCE ...

**TAKEOFF RWY 32L, 32R:** CLIMB ON HEADING 322.40 TO 2400, THENCE ...

**TAKEOFF RWY 36:** CLIMB ON HEADING 358.21 TO 1900, THENCE ...

...ON HEADING ASSIGNED BY ATC. EXPECT RADAR VECTORS TO ASSIGNED FIX/ROUTE. PROP AIRCRAFT MAINTAIN 4000. JET AIRCRAFT MAINTAIN 5000 OR ASSIGNED LOWER ALTITUDE. ALL AIRCRAFT EXPECT CLEARANCE TO FILED ALTITUDE/FLIGHT LEVEL TEN 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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**PROCEDURAL DATA NOTES:**

**PBN REQUIREMENTS NOTES:**

**EQUIPMENT REQUIREMENT NOTES:**

RADAR REQUIRED.

**TAKEOFF MINIMUMS:**

**RWY 18, 32L, 32R, 36:** STANDARD.

**RWY 14L:** 300-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 275 FT PER NM TO 1400.

**RWY 14R:** 300-2 1/2 OR STANDARD WITH MINIMUM CLIMB OF 210 FT PER NM TO 1400.

**TAKEOFF OBSTACLES NOTES:**

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

**CONTROLLING OBSTACLES:**

**RWY 14L:** 1268 FT MSL TREE 411648.56N/0955123.40W (CLIMB GRADIENT, CLIMB TO ALTITUDE), 1284 FT MSL TREE 411620.84N/0955100.53W (CEILING/VISIBILITY).

**RWY 14R:** 1281 FT MSL TREE 411620.29N/0955102.09W.

**MSA:**

**LOST COMMUNICATIONS PROCEDURES:**

**ADDITIONAL FLIGHT DATA:**

CHART: TOP ALTITUDE: (JETS) 5000/ (PROPS) 4000.



<b>DP NAME</b>	<b>NUMBER</b>	<b>DP COMPUTER CODE</b>	<b>SUPERSEDED NUMBER</b>	<b>DATED</b>	<b>ACTUAL EFFECTIVE DATE</b>
BLUFS	FIVE		FOUR	07/16/2020	8 SEP 2022

**AIRPORTS SERVED:**

<b>AIRPORT ID</b>	<b>CITY</b>	<b>STATE</b>
KOMA	OMAHA	NE

**COMMUNICATIONS:**

CHART ATIS, CLNC DEL, GND CON, OMA TOWER

**FIXES AND/OR NAVAIDS:**

FSD VORTAC, GEP VORTAC, IOW VOR/DME, DSM VORTAC, LMN VOR/DME, STJ VORTAC, MCI VORTAC, MHE VOR/DME.

**REMARKS:**

RWY 14L CLIMB GRADIENT ROUNDED UP TO 275 FT PER NM FOR PUBLICATION (COMPUTED VALUE 272.72 FT PER NM)  
 RWY 14R CLIMB GRADIENT ROUNDED UP TO 210 FT PER NM FOR PUBLICATION (COMPUTED VALUE 205.89 FT PER NM)  
 ABBREVIATED AMENDMENT

**FLIGHT INSPECTED BY**

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

**OFFICE** **DATE**  
*Digitally signed by*  
**JASON KRETSCHMER**  
 Apr 15, 2022

**DEVELOPED BY**

JASON KRETSCHMER (HENRY BRADSHAW)

*Digitally signed by*  
**JASON KRETSCHMER**  
 Apr 15, 2022

**OFFICE** **DATE**  
 AJV-A421 03/15/2022

**APPROVED BY**

MARLON ROBINSON

*Digitally signed by*  
**JASON KRETSCHMER**  
 Apr 15, 2022

**OFFICE** **DATE** **TITLE**  
 AJV-A420 MANAGER

**REQUIRED EFFECTIVE DATE**

ROUTINE

**COORDINATED WITH:**

**A4A**  **ALPA**  **AOPA**  **APA**  **HAI**  **NBAA**  **OTHER:** ZMP, OMA APP CON, OMA ATCT, AMGR

**CHANGES - REASONS:**

1. MOVED AND UPDATED "NOTE: RADAR REQUIRED." TO EQUIPMENT REQUIREMENT NOTES "RADAR REQUIRED" - 8260.46H, APPENDIX D, SECTION 2, 6.
2. REMOVED "YKN VOR/DME, FOD VORTAC" AND ADDED "MHE VOR/DME" - VORMON; YKN VOR/DME, FOD VORTAC SCHEDULED FOR DECOMMISSION.
3. ADDITIONAL FLIGHT DATA: REMOVED "REFERENCE MAGVAR: KOMA 2E EPOCH YR 2020" - NO LONGER REQUIRED PER 8260.46H
4. COMMUNICATIONS: UPDATED "ATIS, CLNC DEL, GND CON, OMA TOWER, OMA DEP CON EAST" TO "CHART ATIS, CLNC DEL, GND CON, OMA TOWER" - 8260.46H, APPENDIX D, SECTION 2, 14.
5. REMARKS ADDED "ABBREVIATED AMENDMENT" - 8260.19H, APPENDIX D, SECTIONS 2, 17.C



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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
LANTK	TWO	LANTK.LANTK2	ONE	08/30/2007	8 SEP 2022

**TRANSITION ROUTES:**

Transition Name	Transition Computer Code	From FIX/NAVAID	To FIX/NAVAID	Course	Distance	MEA	MOCA	MAA	Crossing Altitude/Fixes
DABOY	DABOY.LANTK2	DABOY	DABOY						
		DABOY	LANTK	224.65 (OVR R-045)	37.73	10000			
DSM VORTAC	DSM.LANTK2	DSM VORTAC	DSM VORTAC						
		DSM VORTAC	LANTK	267.33 (DSM R-267)	67.07	10000			

**ARRIVAL ROUTE DESCRIPTION:**

FROM OVER LANTK FLY HEADING 250.00 AND EXPECT RADAR VECTORS TO FINAL APPROACH COURSE.

**PROCEDURAL DATA NOTES:**

NOTE: DME REQUIRED FOR DABOY TRANSITION.  
NOTE: RADAR REQUIRED

**FIXES AND/OR HOLDING PATTERNS:**

CHART: OVR VORTAC

**COMMUNICATIONS:**

CHART: OMAHA APP CON.

**AIRPORTS SERVED:**

AIRPORT NAME	CITY	STATE
EPPLEY AIRFIELD (KOMA)	OMAHA	NE
OFFUTT AFB (KOFF)	OMAHA	NE



**FEDERAL AVIATION ADMINISTRATION  
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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>
LANTK	TWO	LANTK.LANTK2	ONE	08/30/2007	8 SEP 2022

**LOST COMMUNICATIONS PREFERENCES:**

**REMARKS:**

ABBREV AMDT DOES NOT MEET PERIODIC REVIEW REQUIREMENTS.

**ADDITIONAL FLIGHT DATA:**

CHART DSM VORTAC R-300 AT DABOY, OVR VORTAC R-045 AT LANTK AND DABOY.  
CHART HEADING 250.00 FROM LANTK.  
CHART: DME FROM OVR VORTAC AT LANTK, DABOY.  
CHART: CRYPT CENTRAL MOA, CRYPT SOUTH MOA.

**FLIGHT INSPECTED BY:**

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

**ORGANIZATION:**

**DATE:**

Flight Inspected Signature: *Digitally signed by*  
**DONALD H LANIER**  
Apr 29, 2022

**DEVELOPED BY:**

DONALD LANIER (ANDRE TUCKER)

AJV-A431

03/16/2022

Developed By Signature: *Digitally signed by*  
**DONALD H LANIER**  
Apr 29, 2022

**APPROVED BY:**

LONNIE EVERHART

AJV-A430

Approved By Signature: *Digitally signed by*  
**DONALD H LANIER**  
Apr 29, 2022

**CHANGES:**

1. REMOVED FOD TRANSITION; REMOVED FOD VORTAC FROM CHART.
2. DSM MAG COURSE CHANGED FROM 267.36 TO 267.33.
3. PROCEDURAL DATA NOTES: REMOVED VERTICAL NAVIGATION PLANNING INFORMATION NOTE.
4. REMOVED ALL INSTANCES OF INT FROM FORM.

**REASONS:**

1. FOD VORTAC DECOM.
2. UPDATED NAVAID SURVEY.
3. IAW 8260.19I, 4-5-2.E NOTE.
4. IAW 8260.19I, 4-5-12.



**FEDERAL AVIATION ADMINISTRATION  
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Arrival Name	Number	STAR Computer Code	Superseded Number	Dated	Effective Date
LANTK	TWO	LANTK.LANTK2	ONE	08/30/2007	8 SEP 2022

Title:

