



NATIONAL FLIGHT DATA DIGEST

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

Tuesday

NO. 118

06/21/2022

NAVAIDS

ALASKA KOYUK NDB/DME
IDENT KKA
LAT 64-56-11.0752 N
LONG 161-09-18.4856 W
NAVAID STATUS DECOMMISSIONED
DME STATUS DECOMMISSIONED
DME STATUS DATE 16-JUN-2022
RMK BOTH COMPONENTS OF THE NAVAID HAVE BEEN DECOMMISSIONED.
EFFECTIVE DATE: 11 AUG 2022.

INSTRUMENT LANDING SYSTEMS

CALIFORNIA SAN DIEGO INTL AIRPORT ILS/DME RWY 09
IDENT I-SAN
LOCALIZER
LATITUDE 32-43-47.605 N
LONGITUDE 117-10-28.2382 W
LAT/LONG-SRCE 3RD PARTY SURVEY
THRESHOLD 700.06
DIST-FRM-RWY-STOP (FT.) 147
DIST/DIR-SRCE 3RD PARTY SURVEY
SITE ELEVATION 26.4
GLIDE SLOPE
LATITUDE 32-44-10.7741 N
LONGITUDE 117-11-52.1594 W
LAT/LONG-SRCE 3RD PARTY SURVEY
DIST/DIR-FRM-C/L (FT.) 275 L
DIST-FRM-AER (FT.) -1011
DIST/DIR-SRCE 3RD PARTY SURVEY
SITE ELEVATION 13.1
RWY ELEV ADJ G/S 16.40
DME
LATITUDE 32-43-46.8256 N
LONGITUDE 117-10-28.5519 W
LAT/LONG-SRCE 3RD PARTY SURVEY
DIST/DIR-FRM-C/L (FT.) 83 R
DIST/DIR-SRCE 3RD PARTY SURVEY

SITE ELEVATION

34

MODIFIED

CALIFORNIA
SAN DIEGO

NFDD 118 - 2

06/21/2022

SAN DIEGO INTL AIRPORT LOC/DME RWY 27

IDENT I-UBR

LOCALIZER

LATITUDE 32-44-14.7918 N
LONGITUDE 117-12-20.4335 W
LAT/LONG-SRCE 3RD PARTY SURVEY
THRESHOLD 699.67
DIST/DIR-FRM-C/L (FT.) 0 L
DIST/DIR-SRCE 3RD PARTY SURVEY

MODIFIED
MODIFIED
RECAP
MODIFIED
MODIFIED
MODIFIED

DME

LATITUDE 32-44-11.4186 N
LONGITUDE 117-12-19.9319 W
LAT/LONG-SRCE 3RD PARTY SURVEY
DIST/DIR-FRM-C/L (FT.) 316 L
DIST-FRM-AER (FT.) -7877
DIST FROM RWY STOP (FT.) 287
DIST/DIR-SRCE 3RD PARTY SURVEY
SITE ELEVATION 25.9

MODIFIED
MODIFIED
MODIFIED
MODIFIED
MODIFIED
MODIFIED
MODIFIED

ARTCC COMMUNICATIONS FREQUENCIES

OHIO

NFDD 118 - 1

06/21/2022

CLEVELAND

CLEVELAND ARTCC

IDENT ZOB

ICAO IDENT KZOB

RCAG

SITE WAYLAND, NY

LATITUDE - 42-30-27.24 N LONGITUDE - 077-36-58.96 W

FREQUENCY 316.05

ALTITUDE ULTRA-HIGH

CHARTED NO

DELETED
DELETED
DELETED

AIRPORT

CALIFORNIA

NFDD 118 - 1

06/21/2022

SAN DIEGO

SAN DIEGO INTL AIRPORT

(SAN) 02170.A

LATITUDE - 32-44-00.826 N LONGITUDE - 117-11-22.788 W

ARPT ELEV DATE	10/16/2020	MODIFIED
LATITUDE	32-44-00.826 N	MODIFIED
LONGITUDE	117-11-22.788 W	MODIFIED
ARPT PSN DATE	10/16/2020	MODIFIED
RWY ID	09/27	
LENGTH	9401	MODIFIED
LENGTH DATE	10/16/2020	MODIFIED
WIDTH	200	RECAP
SURFACE	ASPH-CONC - EXCELLENT	RECAP
RWY END	09	
ELEVATION	13.9	MODIFIED
RWY END ELEV DATE	10/16/2020	MODIFIED
LATITUDE	32-44-13.6407 N	MODIFIED
LONGITUDE	117-12-15.6832 W	MODIFIED
RWY END PSN DATE	10/16/2020	MODIFIED
RWY END PSN SOURCE	3RD PARTY SURVEY	MODIFIED
DSPL THR ELEVATION	16.1	MODIFIED
DSPL THR ELEV DATE	10/16/2020	MODIFIED
DSPL THR ELEV SOURCE	3RD PARTY SURVEY	MODIFIED
DSPL THR LATITUDE	32-44-10.9145 N	MODIFIED
DSPL THR LONGITUDE	117-12-04.4284 W	MODIFIED
DSPL THR PSN DATE	10/16/2020	MODIFIED
DSPL THR PSN SOURCE	3RD PARTY SURVEY	MODIFIED
TDZ ELEVATION	16.7	MODIFIED
TDZ ELEV DATE	10/16/2020	MODIFIED
TDZ ELEV SOURCE	3RD PARTY SURVEY	MODIFIED
RWY END	27	
RWY END ELEV DATE	10/16/2020	MODIFIED
LATITUDE	32-43-48.0054 N	MODIFIED
LONGITUDE	117-10-29.8979 W	MODIFIED
RWY END PSN DATE	10/16/2020	MODIFIED
RWY END PSN SOURCE	3RD PARTY SURVEY	MODIFIED
DSPL THR ELEV DATE	10/16/2020	MODIFIED
DSPL THR LATITUDE	32-43-52.9439 N	MODIFIED
DSPL THR LONGITUDE	117-10-50.2668 W	MODIFIED
DSPL THR PSN DATE	10/16/2020	MODIFIED
DSPL THR PSN SOURCE	3RD PARTY SURVEY	MODIFIED
TDZ ELEVATION	16.8	MODIFIED
TDZ ELEV DATE	10/16/2020	MODIFIED
TDZ ELEV SOURCE	3RD PARTY SURVEY	MODIFIED

INDIANA	NFDD 118 - 2	06/21/2022
PORTLAND		
PORTLAND MUNI AIRPORT	(PLD)	05590.A
LATITUDE - 40-27-05.7 N	LONGITUDE -	084-59-20.5 W
RWY ID	09/27	
RWY END	27	
CTLG OBSTN	PLINE	MODIFIED

KANSAS	NFDD 118 - 3	06/21/2022
WINFIELD		
DAVIS FLD AIRPORT	(11KS)	06988.12A PRIVATE
LATITUDE - 37-15-18.04 N	LONGITUDE -	096-57-37.34 W
ARPT ELEV	1212 E	ADDED

RMK	APT LGT SKED: ACTVT REIL RWY 10 & 28; PAPI RWY 10 & 28; MIRL RWY 10/28 & 17/35 - 122.5.	MODIFIED
RMK	AFT HRS TRML BLDG ACES: PRESS 5, THEN 3 & 2 SIMUL, THEN 1.	MODIFIED
RWY ID	17/35	
RWY END	17	
CTLG OBSTN	TREES	DELETED

MISSISSIPPI	NFDD 118 - 5	06/21/2022
LELAND		
EDWARDS PRIVATE 1 AIRPORT	(36MS)	11293.755A PRIVATE
LATITUDE - 33-26-23.605 N	LONGITUDE -	090-50-04.315 W
ARPT ELEV	114 E	ADDED
ARPT ELEV DATE	06/16/2022	ADDED
ARPT ELEV SOURCE	FAA OE/AAA	ADDED
LATITUDE	33-26-23.605 N	ADDED
LONGITUDE	090-50-04.315 W	ADDED
ARPT PSN DATE	06/16/2022	ADDED
ARPT PSN SOURCE	FAA-EST	ADDED
ARPT NAME	EDWARDS PRIVATE 1	ADDED
CITY	LELAND	ADDED
DIST AND DRCTN	4 ENE	ADDED
ARPT ID	36MS	ADDED
ARPT SITE NO	11293.755A	ADDED
AIRPORT USE	PRIVATE	ADDED
ARPT STATUS	OPERATIONAL	ADDED
FSS ID	GWO*GREENWOOD	ADDED
FSS TOLL FREE NUMBER	1-800-WX-BRIEF	ADDED
INSPECTOR CODE	NOT INSPECTED	ADDED
ARPT ATTEND SKED	ALL/ MON-SUN/ 0700-1700	ADDED
WIND INDICATOR	YES	ADDED
AIRSPACE DETERMINATION	NO OBJECTION	ADDED
MIN OPERATIONAL NETWORK	NO	ADDED
RWY ID	18/36	
LENGTH	3200	ADDED
LENGTH DATE	06/16/2022	ADDED
LENGTH SOURCE	FAA OE/AAA	ADDED
WIDTH	120	ADDED
SURFACE	CONC-TURF	ADDED
RWY END	18	
RWY END	18	ADDED
ELEVATION	112	ADDED
RWY END ELEV DATE	06/16/2022	ADDED
RWY END ELEV SOURCE	FAA OE/AAA	ADDED
LATITUDE	33-26-39.43 N	ADDED
LONGITUDE	090-50-04.27 W	ADDED
RWY END PSN DATE	06/16/2022	ADDED
RWY END PSN SOURCE	FAA OE/AAA	ADDED
RWY END	36	
RWY END	36	ADDED
ELEVATION	114	ADDED
RWY END ELEV DATE	06/16/2022	ADDED
RWY END ELEV SOURCE	FAA OE/AAA	ADDED
LATITUDE	33-26-07.78 N	ADDED
LONGITUDE	090-50-04.36 W	ADDED

RWY END PSN DATE	06/16/2022		ADDED
RWY END PSN SOURCE	FAA OE/AAA		ADDED
MISSISSIPPI		NFDD 118 - 6	06/21/2022
LELAND			
EDWARDS PRIVATE 2 AIRPORT		(64MS)	11293.765A PRIVATE
LATITUDE - 33-25-10.405 N		LONGITUDE -	090-47-58.555 W
ARPT ELEV	115 E		ADDED
ARPT ELEV DATE	06/16/2022		ADDED
ARPT ELEV SOURCE	FAA OE/AAA		ADDED
LATITUDE	33-25-10.405 N		ADDED
LONGITUDE	090-47-58.555 W		ADDED
ARPT PSN DATE	06/16/2022		ADDED
ARPT PSN SOURCE	FAA-EST		ADDED
ARPT NAME	EDWARDS PRIVATE 2		ADDED
CITY	LELAND		ADDED
DIST AND DRCTN	5 E		ADDED
ARPT ID	64MS		ADDED
ARPT SITE NO	11293.765A		ADDED
AIRPORT USE	PRIVATE		ADDED
ARPT STATUS	OPERATIONAL		ADDED
FSS ID	GWO*GREENWOOD		ADDED
FSS TOLL FREE NUMBER	1-800-WX-BRIEF		ADDED
INSPECTOR CODE	NOT INSPECTED		ADDED
WIND INDICATOR	YES		ADDED
AIRSPACE DETERMINATION	NO OBJECTION		ADDED
MIN OPERATIONAL NETWORK	NO		ADDED
RWY ID	18/36		
LENGTH	2100		ADDED
LENGTH DATE	06/16/2022		ADDED
LENGTH SOURCE	FAA OE/AAA		ADDED
WIDTH	130		ADDED
SURFACE	CONC-TURF		ADDED
RWY END	18		
RWY END	18		ADDED
ELEVATION	115		ADDED
RWY END ELEV DATE	06/16/2022		ADDED
RWY END ELEV SOURCE	FAA OE/AAA		ADDED
LATITUDE	33-25-20.8 N		ADDED
LONGITUDE	090-47-58.67 W		ADDED
RWY END PSN DATE	06/16/2022		ADDED
RWY END PSN SOURCE	FAA OE/AAA		ADDED
RWY END	36		
RWY END	36		ADDED
ELEVATION	115		ADDED
RWY END ELEV DATE	06/16/2022		ADDED
RWY END ELEV SOURCE	FAA OE/AAA		ADDED
LATITUDE	33-25-00.01 N		ADDED
LONGITUDE	090-47-58.44 W		ADDED
RWY END PSN DATE	06/16/2022		ADDED
RWY END PSN SOURCE	FAA OE/AAA		ADDED

NEVADA **NFDD 118 - 7** 06/21/2022
 INDIAN SPRINGS
 CREECH AFB AIRPORT (INS) 13079.A **PRIVATE**
 LATITUDE - 36-35-10.8376 N LONGITUDE - 115-40-38.534 W
 RWY ID 13/31
 PCN VALUE 22/R/B/W/T MODIFIED
 RMKMILITARY VALIDATED (KINS-213048).... NOTE

NEW YORK **NFDD 118 - 8** 06/21/2022
 NEW YORK
 JOHN F KENNEDY INTL AIRPORT (JFK) 15793.A
 LATITUDE - 40-38-23.74 N LONGITUDE - 073-46-43.293 W
 RMK FOR NOISE ABATEMENT RSTRNS CALL 212-435-3782 DURG NML BUS MODIFIED
 HRS.

NEW YORK **NFDD 118 - 9** 06/21/2022
 NEW YORK
 LAGUARDIA AIRPORT (LGA) 15794.A
 LATITUDE - 40-46-38.1 N LONGITUDE - 073-52-21.4 W
 RMK FOR NOISE ABATEMENT RSTRNS CALL 212-435-3782 DURG NML BUS MODIFIED
 HRS.

NORTH DAKOTA **NFDD 118 - 10** 06/21/2022
 NAPOLEON
 NAPOLEON MUNI AIRPORT (5B5) 17428.A
 LATITUDE - 46-29-39.3385 N LONGITUDE - 099-45-31.3627 W
 LATITUDE 46-29-39.3385 N MODIFIED
 LONGITUDE 099-45-31.3627 W MODIFIED
 ARPT PSN DATE 06/14/2022 MODIFIED
 RWY ID 08/26
 LENGTH 1600 MODIFIED
 LENGTH DATE 06/14/2022 ADDED
 LENGTH SOURCE FAA OE/AAA ADDED
 WIDTH 80 RECAP
 SURFACE TURF - GOOD RECAP
 RWY END 08
 ELEVATION 1961 MODIFIED
 RWY END ELEV DATE 06/14/2022 MODIFIED
 LATITUDE 46-29-38.199 N MODIFIED
 LONGITUDE 099-45-50.598 W MODIFIED
 RWY END PSN DATE 06/14/2022 MODIFIED
 TDZ ELEVATION 1965 ADDED
 TDZ ELEV DATE 06/14/2022 ADDED
 TDZ ELEV SOURCE FAA OE/AAA ADDED
 RWY END 26
 ELEVATION 1965 MODIFIED
 RWY END ELEV DATE 06/14/2022 MODIFIED
 LATITUDE 46-29-38.075 N MODIFIED
 LONGITUDE 099-45-27.729 W MODIFIED
 RWY END PSN DATE 06/14/2022 MODIFIED
 TDZ ELEVATION 1965 ADDED
 TDZ ELEV DATE 06/14/2022 ADDED
 TDZ ELEV SOURCE FAA OE/AAA ADDED
 RWY ID 12/30

RWY END	12	
LATITUDE	46-29-49.884 N	MODIFIED
LONGITUDE	099-45-45.45 W	MODIFIED
RWY END PSN DATE	06/14/2022	MODIFIED
RWY END	30	
LATITUDE	46-29-29.987 N	MODIFIED
LONGITUDE	099-45-09.523 W	MODIFIED
RWY END PSN DATE	06/14/2022	MODIFIED

TEXAS	NFDD 118 - 11	06/21/2022
GOLDTHWAITE		
CABRITO AIRPORT	(98TS)	23950.61A PRIVATE
LATITUDE - 31-33-33.49 N	LONGITUDE -	098-25-20.88 W
RMK TREES AND DITCHES IN PRIM SFC BOTH SIDES OF RWY.		ADDED
RMK BLDG 35 FT FM RCL.		ADDED
RMK DEER, LIVESTOCK AND VEHICLES ON & INVOF RWY.		ADDED

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 * * *

ALASKA	NFDD 118 - 1	06/21/2022
CLSTA		
LATITUDE	62-02-37.79 N	EFF: 09/08/2022
LONGITUDE	158-26-29.39 W	EFF: 09/08/2022
ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022

ALASKA	NFDD 118 - 2	06/21/2022
DONLN		
LATITUDE	62-02-38.21 N	EFF: 09/08/2022
LONGITUDE	158-16-04.84 W	EFF: 09/08/2022
ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022

ALASKA	NFDD 118 - 3	06/21/2022
ENRIC		
LATITUDE	62-05-26.20 N	EFF: 09/08/2022
LONGITUDE	158-23-49.75 W	EFF: 09/08/2022

ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022
ALASKA	NFDD 118 - 4	06/21/2022
KURDY		
LATITUDE	62-15-09.51 N	EFF: 09/08/2022
LONGITUDE	158-06-00.15 W	EFF: 09/08/2022
ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022
ALASKA	NFDD 118 - 5	06/21/2022
MACLL		
LATITUDE	62-07-58.96 N	EFF: 09/08/2022
LONGITUDE	158-30-54.45 W	EFF: 09/08/2022
ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022
ALASKA	NFDD 118 - 6	06/21/2022
MILIE		
LATITUDE	62-04-12.51 N	EFF: 09/08/2022
LONGITUDE	158-20-25.51 W	EFF: 09/08/2022
ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022
ALASKA	NFDD 118 - 7	06/21/2022
YKDLT		
LATITUDE	62-13-04.78 N	EFF: 09/08/2022
LONGITUDE	158-22-35.19 W	EFF: 09/08/2022
ARTCC	ZAN	EFF: 09/08/2022
FIX TYPE	WAYPOINT	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022
ICAO REGION	PA	EFF: 09/08/2022
NORTH CAROLINA	NFDD 118 - 8	06/21/2022
DFENC		
LATITUDE	35-55-11.09 N	EFF: 09/08/2022
LONGITUDE	077-03-37.54 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	CONTROLLER LOW	EFF: 09/08/2022
CHARTING	ENROUTE HIGH	EFF: 09/08/2022
ICAO REGION	K7	EFF: 09/08/2022

NORTH CAROLINA
KTEEE

NFDD 118 - 9

06/21/2022

LATITUDE	35-54-55.66 N	EFF: 09/08/2022
LONGITUDE	076-57-30.45 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	CONTROLLER LOW	EFF: 09/08/2022
CHARTING	ENROUTE HIGH	EFF: 09/08/2022
ICAO REGION	K7	EFF: 09/08/2022

NORTH CAROLINA
NOWAE

NFDD 118 - 10

06/21/2022

LATITUDE	36-22-39.49 N	EFF: 09/08/2022
LONGITUDE	078-14-59.21 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	CONTROLLER LOW	EFF: 09/08/2022
CHARTING	ENROUTE HIGH	EFF: 09/08/2022
ICAO REGION	K7	EFF: 09/08/2022

NORTH CAROLINA
OGRAE

NFDD 118 - 11

06/21/2022

LATITUDE	35-44-44.41 N	EFF: 09/08/2022
LONGITUDE	079-11-07.71 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	CONTROLLER LOW	EFF: 09/08/2022
CHARTING	ENROUTE HIGH	EFF: 09/08/2022
ICAO REGION	K7	EFF: 09/08/2022

OHIO

ADEVE

NFDD 118 - 12

06/21/2022

LATITUDE	41-09-37.64 N
LONGITUDE	083-29-54.97 W
ARTCC	ZOB
FIX TYPE	WAYPOINT
CHARTING	SPECIAL IAP
ICAO REGION	K5

OHIO

BACAV

NFDD 118 - 13

06/21/2022

LATITUDE	41-20-32.72 N
LONGITUDE	083-12-39.32 W
ARTCC	ZOB
FIX TYPE	WAYPOINT
CHARTING	SPECIAL IAP
ICAO REGION	K5

OHIO

GIBSI

NFDD 118 - 14

06/21/2022

LATITUDE	41-23-22.82 N		
LONGITUDE	083-17-59.34 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO		NFDD 118 - 15	06/21/2022
JOSAG			
LATITUDE	41-12-13.47 N		
LONGITUDE	083-35-26.62 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO		NFDD 118 - 16	06/21/2022
JSMTH			
LATITUDE	41-20-33.39 N		
LONGITUDE	083-16-38.29 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL DP		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO		NFDD 118 - 17	06/21/2022
KNOTT			
LATITUDE	41-09-27.86 N		
LONGITUDE	083-33-52.93 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL DP		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO		NFDD 118 - 18	06/21/2022
LUPBI			
LATITUDE	41-09-44.46 N		
LONGITUDE	083-27-06.94 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO		NFDD 118 - 19	06/21/2022
OKOZE			
LATITUDE	41-09-46.38 N		
LONGITUDE	083-26-19.35 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL DP		
CHARTING	SPECIAL IAP		

ICAO REGION	K5		
OHIO PAYBE		NFDD 118 - 20	06/21/2022
LATITUDE	41-17-44.35 N		
LONGITUDE	083-18-00.71 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO TEYZU		NFDD 118 - 21	06/21/2022
LATITUDE	41-20-31.98 N		
LONGITUDE	083-08-55.63 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL DP		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
OHIO WAGMA		NFDD 118 - 22	06/21/2022
LATITUDE	41-06-35.50 N		
LONGITUDE	083-35-02.02 W		
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
TEXAS ALFER		NFDD 118 - 23	06/21/2022
LATITUDE	30-33-39.13 N		
LONGITUDE	096-08-27.75 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K4		
TEXAS BRDIE		NFDD 118 - 24	06/21/2022
LATITUDE	29-34-20.04 N		
LONGITUDE	095-14-24.02 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K4		
TEXAS BREEK		NFDD 118 - 25	06/21/2022
LATITUDE	30-13-52.97 N		
LONGITUDE	095-35-57.66 W		
ARTCC	ZHU		

FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
CHARTING	SPECIAL DP		
ICAO REGION	K4		
TEXAS		NFDD 118 - 26	06/21/2022
BUSSH			
LATITUDE	30-40-33.40 N		
LONGITUDE	096-13-24.89 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
CHARTING	SPECIAL DP		
ICAO REGION	K4		
TEXAS		NFDD 118 - 27	06/21/2022
CONUT			
LATITUDE	29-25-33.07 N		
LONGITUDE	095-15-38.30 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL DP		
CHARTING	SPECIAL IAP		
ICAO REGION	K4		
TEXAS		NFDD 118 - 28	06/21/2022
COOLJ			
LATITUDE	29-38-51.87 N		
LONGITUDE	095-33-01.31 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
CHARTING	SPECIAL DP		
ICAO REGION	K4		
TEXAS		NFDD 118 - 29	06/21/2022
CORSO			
LATITUDE	29-34-09.28 N		
LONGITUDE	095-23-05.04 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
CHARTING	SPECIAL DP		
ICAO REGION	K4		
TEXAS		NFDD 118 - 30	06/21/2022
CUNDI			
LATITUDE	30-21-51.74 N		
LONGITUDE	095-35-03.56 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K4		

TEXAS		NFDD 118 - 31	06/21/2022
FIMAB			
LATITUDE	30-39-15.89 N		
LONGITUDE	096-10-11.59 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
CHARTING	SPECIAL DP		
ICAO REGION	K4		

TEXAS		NFDD 118 - 32	06/21/2022
HADEG			
LATITUDE	29-27-25.44 N		
LONGITUDE	095-19-03.23 W		
ARTCC	ZHU		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
CHARTING	SPECIAL DP		
ICAO REGION	K4		

VIRGINIA		NFDD 118 - 33	06/21/2022
ALXEA			
LATITUDE	37-47-04.46 N		EFF: 09/08/2022
LONGITUDE	077-17-09.73 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	CONTROLLER LOW		EFF: 09/08/2022
CHARTING	ENROUTE HIGH		EFF: 09/08/2022
ICAO REGION	K6		EFF: 09/08/2022

VIRGINIA		NFDD 118 - 34	06/21/2022
ODAWG			
LATITUDE	37-07-11.61 N		EFF: 09/08/2022
LONGITUDE	076-02-03.17 W		EFF: 09/08/2022
ARTCC	ZDC		EFF: 09/08/2022
FIX TYPE	WAYPOINT		EFF: 09/08/2022
CHARTING	CONTROLLER LOW		EFF: 09/08/2022
CHARTING	CONTROLLER HIGH		EFF: 09/08/2022
CHARTING	ENROUTE HIGH		EFF: 09/08/2022
ICAO REGION	K6		EFF: 09/08/2022

* * * MODIFIED * * *

ALASKA		NFDD 118 - 35	06/21/2022
MUSUE			
NAV-FAC-AZIMUTH/DSTC	ANN*VOR/DME*301.09/26.04		DELETED
LATITUDE	55-24-04.55 N		
LONGITUDE	132-02-45.94 W		
ARTCC	ZAN		

FIX TYPE	WAYPOINT		
CHARTING	IAP		
ICAO REGION	PA		
COLORADO		NFDD 118 - 36	06/21/2022
HYBRO			
LATITUDE	38-36-35.27 N		EFF: 09/08/2022
LONGITUDE	104-40-32.34 W		EFF: 09/08/2022
ARTCC	ZDV		EFF: 09/08/2022
FIX TYPE	MIL-WP		EFF: 09/08/2022
CHARTING	MILITARY IAP		EFF: 09/08/2022
ICAO REGION	K2		EFF: 09/08/2022
			MODIFIED
IDAHO		NFDD 118 - 37	06/21/2022
SUMOQ			
NAV-FAC-AZIMUTH/DSTC	DNJ*VOR/DME*277.72/21.99		
LATITUDE	44-55-51.51 N		
LONGITUDE	116-40-01.89 W		
ARTCC	ZLC		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER HIGH		ADDED
CHARTING	CONTROLLER LOW		
CHARTING	ENROUTE HIGH		
CHARTING	STAR		
CHARTING	ENROUTE LOW		
CHARTING	IAP		
CHARTING INFO	RNAV		
ICAO REGION	K1		
INDIANA		NFDD 118 - 38	06/21/2022
HONOS			
NAV-FAC-AZIMUTH/DSTC	IIU*VORTAC*316.17/38.40		
LATITUDE	38-34-19.24 N		
LONGITUDE	086-07-55.74 W		
ARTCC	ZID		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER		EFF: 09/08/2022
CHARTING	CONTROLLER LOW		EFF: 09/08/2022
CHARTING	STAR		
CHARTING	ENROUTE LOW		
CHARTING INFO	RNAV		
ICAO REGION	K5		
			DELETED
			ADDED
INDIANA		NFDD 118 - 39	06/21/2022
NADDI			
NAV-FAC-AZIMUTH/DSTC	FTK*VOR/DME*329.48/11.15		
NAV-FAC-AZIMUTH/DSTC	MYS*VOR*035.45		
NAV-FAC-AZIMUTH/DSTC	IIU*VORTAC*263.89/24.65		
LATITUDE	38-03-56.50 N		
LONGITUDE	086-05-43.90 W		
ARTCC	ZID		
FIX TYPE	REP-PT		
CHARTING	CONTROLLER LOW		EFF: 09/08/2022
			ADDED

CHARTING	IAP		
CHARTING	MILITARY IAP		
CHARTING	ENROUTE LOW		
CHARTING INFO	RNAV		
ICAO REGION	K5		
NEW YORK		NFDD 118 - 40	06/21/2022
HALOS			
LATITUDE	42-06-37.38 N		MODIFIED
LONGITUDE	077-53-32.75 W		MODIFIED
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	IAP		
ICAO REGION	K6		
NEW YORK		NFDD 118 - 41	06/21/2022
IYRIH			
LATITUDE	42-06-36.12 N		MODIFIED
LONGITUDE	077-55-59.55 W		MODIFIED
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	IAP		
ICAO REGION	K6		
NEW YORK		NFDD 118 - 42	06/21/2022
JILKU			
LATITUDE	42-06-30.70 N		
LONGITUDE	078-05-34.63 W		MODIFIED
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	IAP		
ICAO REGION	K6		
NEW YORK		NFDD 118 - 43	06/21/2022
UTVIW			
LATITUDE	42-06-31.96 N		MODIFIED
LONGITUDE	078-03-28.09 W		MODIFIED
ARTCC	ZOB		
FIX TYPE	WAYPOINT		
CHARTING	IAP		
ICAO REGION	K6		
RHODE ISLAND		NFDD 118 - 44	06/21/2022
NESTT			
LATITUDE	41-21-35.84 N		
LONGITUDE	071-20-05.38 W		
ARTCC	ZBW		
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	K6		

* * * CANCELLED * * *

INDIANA **NFDD 118 - 45** 06/21/2022
ANTAE
LATITUDE 39-44-49.55 N
LONGITUDE 086-39-52.42 W
ARTCC ZID
FIX TYPE WAYPOINT
CHARTING SPECIAL IAP
ICAO REGION K5

INDIANA **NFDD 118 - 46** 06/21/2022
CAKON
LATITUDE 39-51-26.44 N EFF: 09/08/2022
LONGITUDE 086-36-53.23 W EFF: 09/08/2022
ARTCC ZID EFF: 09/08/2022
FIX TYPE WAYPOINT EFF: 09/08/2022
CHARTING SPECIAL IAP EFF: 09/08/2022
ICAO REGION K5 EFF: 09/08/2022

INDIANA **NFDD 118 - 47** 06/21/2022
OSULE
LATITUDE 39-48-06.80 N
LONGITUDE 086-38-18.41 W
ARTCC ZID
FIX TYPE WAYPOINT
CHARTING SPECIAL IAP
ICAO REGION K5

INDIANA **NFDD 118 - 48** 06/21/2022
SEVKE
LATITUDE 39-46-57.76 N
LONGITUDE 086-34-01.08 W
ARTCC ZID
FIX TYPE WAYPOINT
CHARTING SPECIAL IAP
ICAO REGION K5

INDIANA **NFDD 118 - 49** 06/21/2022
USECE
LATITUDE 39-46-18.31 N
LONGITUDE 086-31-34.07 W
ARTCC ZID
FIX TYPE WAYPOINT
CHARTING SPECIAL IAP
ICAO REGION K5

INDIANA **NFDD 118 - 50** 06/21/2022
WUMED
LATITUDE 39-46-06.46 N

LONGITUDE	086-30-49.98 W		
ARTCC	ZID		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K5		
TEXAS		NFDD 118 - 51	06/21/2022
ALODE			
LATITUDE	32-38-00.03 N		
LONGITUDE	096-57-14.58 W		
ARTCC	ZFW		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K4		
TEXAS		NFDD 118 - 52	06/21/2022
CEDUS			
LATITUDE	32-50-44.48 N		
LONGITUDE	097-15-22.76 W		
ARTCC	ZFW		
FIX TYPE	WAYPOINT		
CHARTING	SPECIAL IAP		
ICAO REGION	K4		
VERMONT		NFDD 118 - 53	06/21/2022
ICURO			
LATITUDE	42-49-31.90 N		EFF: 09/08/2022
LONGITUDE	072-52-35.13 W		EFF: 09/08/2022
ARTCC	ZBW		EFF: 09/08/2022
FIX TYPE	WAYPOINT		EFF: 09/08/2022
CHARTING	IAP		EFF: 09/08/2022
ICAO REGION	K6		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.

* * * ESTABLISHED * * *

ALASKA		NFDD 118 - 1	06/21/2022
KURDY WP*AK*PA	PATTERN - 1		
HOLD-DIR	NE		EFF: 09/08/2022
DEGREES	243		EFF: 09/08/2022
AZIMUTH	RNAV		EFF: 09/08/2022
CRS-INB	063		EFF: 09/08/2022
TURN-DIR	R		EFF: 09/08/2022

LEG LENGTH OUTBOUND CHARTING	5 NM SPECIAL IAP		EFF: 09/08/2022 EFF: 09/08/2022
FLORIDA		NFDD 118 - 2	06/21/2022
VLAAD WP*FL*K7	PATTERN - 2		
HOLD-DIR	N		EFF: 09/08/2022
DEGREES	359		EFF: 09/08/2022
AZIMUTH	RNAV		EFF: 09/08/2022
CRS-INB	179		EFF: 09/08/2022
TURN-DIR	R		EFF: 09/08/2022
LEG LENGTH OUTBOUND	5 NM		EFF: 09/08/2022
CHARTING	MILITARY IAP		EFF: 09/08/2022
NORTH CAROLINA		NFDD 118 - 3	06/21/2022
OGRAE WP*NC*K7	PATTERN - 1		
HOLD-DIR	SW		EFF: 09/08/2022
DEGREES	224		EFF: 09/08/2022
AZIMUTH	RNAV		EFF: 09/08/2022
CRS-INB	044		EFF: 09/08/2022
TURN-DIR	L		EFF: 09/08/2022
LEG LENGTH OUTBOUND	10 NM		EFF: 09/08/2022
CHARTING	ENROUTE HIGH		EFF: 09/08/2022
OHIO		NFDD 118 - 4	06/21/2022
GIBSI WP*OH*K5	PATTERN - 1		
HOLD-DIR	NW		
DEGREES	345		
AZIMUTH	RNAV		
CRS-INB	165		
TURN-DIR	R		
LEG LENGTH OUTBOUND	4 NM		
CHARTING	SPECIAL IAP		
OHIO		NFDD 118 - 5	06/21/2022
KNOTT WP*OH*K5	PATTERN - 1		
HOLD-DIR	W		
DEGREES	276		
AZIMUTH	RNAV		
CRS-INB	096		
TURN-DIR	R		
LEG LENGTH OUTBOUND	4 NM		
CHARTING	SPECIAL IAP		
TEXAS		NFDD 118 - 6	06/21/2022
ALFER WP*TX*K4	PATTERN - 1		
HOLD-DIR	SE		EFF: 09/08/2022
DEGREES	148		EFF: 09/08/2022
AZIMUTH	RNAV		EFF: 09/08/2022

CRS-INB	328	EFF: 09/08/2022
TURN-DIR	L	EFF: 09/08/2022
LEG LENGTH OUTBOUND	4 NM	EFF: 09/08/2022
CHARTING	SPECIAL IAP	EFF: 09/08/2022

* * * MODIFIED * * *

COLORADO		NFDD 118 - 7	06/21/2022	
CLIME WP*CO*K2	PATTERN - 1			
HOLD-DIR	NE	EFF: 09/08/2022		
DEGREES	039	EFF: 09/08/2022		
AZIMUTH	RNAV	EFF: 09/08/2022		
CRS-INB	219	EFF: 09/08/2022		
TURN-DIR	R	EFF: 09/08/2022		
LEG LENGTH OUTBOUND	4 NM	EFF: 09/08/2022		
CHARTING	IAP	EFF: 09/08/2022		DELETED
CHARTING	MILITARY IAP	EFF: 09/08/2022		ADDED

COLORADO		NFDD 118 - 8	06/21/2022	
GIGLS INT*CO*K2	PATTERN - 1			
DEFINING RESOURCE	FCS*VOR/DME			
HOLD-DIR	E	EFF: 09/08/2022		
DEGREES	093	EFF: 09/08/2022		
AZIMUTH	RAD	EFF: 09/08/2022		
CRS-INB	273	EFF: 09/08/2022		
TURN-DIR	R	EFF: 09/08/2022		
CHARTING	IAP	EFF: 09/08/2022		DELETED
CHARTING	MILITARY IAP	EFF: 09/08/2022		ADDED

FLORIDA		NFDD 118 - 9	06/21/2022	
PAMPR WP*FL*K7	PATTERN - 2			
HOLD-DIR	SW			
DEGREES	236	EFF: 09/08/2022		MODIFIED
AZIMUTH	RNAV			
CRS-INB	056	EFF: 09/08/2022		MODIFIED
TURN-DIR	L			
LEG LENGTH OUTBOUND	10 NM			
CHARTING	STAR			

FLORIDA		NFDD 118 - 10	06/21/2022	
VLAAD WP*FL*K7	PATTERN - 1			
HOLD-DIR	S			MODIFIED
DEGREES	179			MODIFIED
AZIMUTH	RNAV			
CRS-INB	359			MODIFIED
TURN-DIR	R			
LEG LENGTH OUTBOUND	5 NM			
CHARTING	MILITARY IAP			

NEW YORK		NFDD 118 - 11	06/21/2022	
JEWLR WP*NY*K6	PATTERN - 1			
HOLD-DIR	NE		EFF: 09/08/2022	MODIFIED
DEGREES	066		EFF: 09/08/2022	MODIFIED
AZIMUTH	RNAV			
CRS-INB	246		EFF: 09/08/2022	MODIFIED
TURN-DIR	L		EFF: 09/08/2022	MODIFIED
LEG LENGTH OUTBOUND	15 NM		EFF: 09/08/2022	MODIFIED
LEG LENGTH OUTBOUND	10 NM			
CHARTING	CONTROLLER HIGH			
CHARTING	ENROUTE HIGH			

NEW YORK		NFDD 118 - 12	06/21/2022	
MERLN WP*NY*K6	PATTERN - 1			
HOLD-DIR	NE		EFF: 09/08/2022	MODIFIED
DEGREES	063		EFF: 09/08/2022	MODIFIED
AZIMUTH	RNAV			
CRS-INB	243		EFF: 09/08/2022	MODIFIED
TURN-DIR	L		EFF: 09/08/2022	MODIFIED
LEG LENGTH OUTBOUND	10 NM			
LEG LENGTH OUTBOUND	15 NM		EFF: 09/08/2022	MODIFIED
CHARTING	ENROUTE HIGH			
CHARTING	CONTROLLER HIGH		EFF: 09/08/2022	ADDED

NEW YORK		NFDD 118 - 13	06/21/2022	
VAAPE WP*NY*K6	PATTERN - 1			
HOLD-DIR	NE		EFF: 09/08/2022	MODIFIED
DEGREES	066		EFF: 09/08/2022	MODIFIED
AZIMUTH	RNAV			
CRS-INB	246		EFF: 09/08/2022	MODIFIED
TURN-DIR	L		EFF: 09/08/2022	MODIFIED
LEG LENGTH OUTBOUND	15 NM		EFF: 09/08/2022	MODIFIED
LEG LENGTH OUTBOUND	10 NM			
CHARTING	CONTROLLER HIGH		EFF: 09/08/2022	ADDED
CHARTING	ENROUTE HIGH			

* * * CANCELLED * * *

INDIANA		NFDD 118 - 14	06/21/2022	
CAKON WP*IN*K5	PATTERN - 1			
HOLD-DIR	SE		EFF: 09/08/2022	
DEGREES	136		EFF: 09/08/2022	
AZIMUTH	RNAV		EFF: 09/08/2022	
CRS-INB	316		EFF: 09/08/2022	
TURN-DIR	L		EFF: 09/08/2022	
LEG LENGTH OUTBOUND	4 NM		EFF: 09/08/2022	
CHARTING	SPECIAL IAP		EFF: 09/08/2022	

**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>
SILENT	THREE	SLNT3.REBAS	TWO	05/21/2020	08SEPT2022

<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 RUNWAY 30: CLIMBING LEFT TURN ON HEADING 270.00 TO V87 (COMMENCE RIGHT TURN AT SFO R-360) TO REBAS INT/SFO 19.26 DME. CROSS REBAS INT AT OR ABOVE 6000. THENCE...

...(TRANSITION). 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>
MENDOCINO	SLNT3.ENI	REBAS INT	SASSU INT/SFO 44.86 DME	342.00 (SFO R-342)	25.61	8000	5000	
		SASSU INT	ENI VORTAC	298.43 (ENI R-118)	58.40	8000	5900	
RED BLUFF	SLNT3.RBL	REBAS INT	SAWNA INT/SFO 74.87 DME	342.00 (SFO R-342)	55.62	8000	5300	
		SAWNA INT	RBL VORTAC	348.00 (RBL R-168)	74.16	8000	5400	
SACRAMENTO	SLNT3.SAC	REBAS INT	SAC VORTAC	035.80 (SAC R-216)	49.58	3000		
LINDEN	SLNT3.LIN	REBAS INT	LIN VOR/DME	066.43 (LIN R-246)	65.92	5000		

PROCEDURAL DATA NOTES:

PBN REQUIREMENTS NOTES:

EQUIPMENT REQUIREMENT NOTES:

TAKEOFF MINIMUMS:

RWY 10L, 10R, 12, 15, 28L, 28R, 33: NA - ATC
RWY 30: STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 6000

TAKEOFF OBSTACLES NOTES:

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

CONTROLLING OBSTACLES:

MSA:



DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
SILENT	THREE	SLNT3.REBAS	TWO	05/21/2020	08SEPT2022

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:

CHART: TOP ALTITUDE: ASSIGNED BY ATC
 CHART: V87, V150
 CHART: SFO R-360

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KOAK	OAKLAND	CA

COMMUNICATIONS:

CHART ATIS, CLNC DEL

FIXES AND/OR NAVAIDS:

CHART: OAK VOR/DME

REMARKS:

WESTERN MOUNTAINOUS TERRAIN REDUCTION APPLIED TO SACRAMENTO (SAC) TRANSITION.
 SILENT THREE AMENDMENT DOES NOT SATISFY PERIODIC REVIEW REQUIREMENTS.
 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.

Digitally signed by
DONALD E SMITH
 May 19, 2022

OFFICE	DATE

DEVELOPED BY *Digitally signed by*
 STEVEN WINNER **STEVEN E WINNER**
 May 02, 2022

OFFICE	DATE
AJV-A413	03/24/2022

APPROVED BY

JULIE MORGAN

Digitally signed by
DONALD E SMITH
 May 19, 2022

OFFICE	DATE	TITLE
AJV-A410		MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** ZOA, NORCAL APP CON, OAK ATC, AMGR

CHANGES - REASONS:

1. CHANGED DP ROUTE DESCRIPTION FROM "CLIMBING LEFT TURN HEADING..." TO "CLIMBING LEFT TURN ON HEADING..." - UPDATED CRITERIA.
2. ADDED RWY 28R TO "NA - ATC" RUNWAYS AND CORRECTED FORMATTING. - CORRECTION TO PREVIOUS AMENDMENT AND CLEARS NOTAM FDC 2/8029.
3. DELETED "IAW 8260.3D SEC 15-2-1" FROM MOUNTAINOUS TERRAIN REDUCTION REMARK. - IN ORDER TO KEEP REMARK VALID IN CASE OF FUTURE CRITERIA VERSION CHANGES.
4. CHANGED VERSION FROM TWO TO THREE IN PERIODIC REVIEW REMARK. - UPDATED REMARK TO CURRENT NUMBER.
5. ADDED ABBREVIATED AMENDMENT TO REMARKS. - ABBREVIATED AMENDMENT ACCOMPLISHED TO CLEAR FDC 2/8029.
6. ADDED "CHART" AND REMOVED NORCAL DEP CON FROM COMMUNICATIONS. - UPDATED CRITERIA.
7. MOVED "RWY 10L, 10R, 12, 15, 28L, 28R, 33: NA - ATC" AND "RWY 30: STANDARD WITH MINIMUM CLIMB OF 405 FT PER NM TO 6000" FROM PROCEDURAL DATA NOTES TO TAKEOFF MINIMUMS. - IAW 8260.46H.



**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>
HESTIN	FIVE	HSTIN5.HSTIN	FOUR	08/17/2017	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 checked="" type="checkbox"/>

DP ROUTE DESCRIPTION:

TAKEOFF RWY 17: CLIMB ON HEADING 169.53 TO INTERCEPT COURSE 217.00 TO BDOGG, THEN ON TRACK 214.31 TO CROSS MNDEE AT OR ABOVE 4000 AND AT OR BELOW 7000, THEN ON TRACK 214.09 TO PRAMN, THEN ON TRACK 211.69 TO CROSS HITTL AT OR ABOVE 8000 AND AT OR BELOW 17000, THEN ON TRACK 211.67 TO CROSS NANCZ AT OR ABOVE 11000 AND AT OR BELOW 17000, THEN ON TRACK 211.78 TO HSTIN, THENCE...

...ON (TRANSITION). MAINTAIN 17000. EXPECT FILED ALTITUDE 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>
DABOY	HSTIN5.DABOY	HSTIN	YUPER	189.19	49.22	11000	2700	
		YUPER	DABOY	190.37	79.46	11000	2800	
ZZEEE	HSTIN5.ZZEEE	HSTIN	BBERD	209.38	46.45	11000	2600	
		BBERD	ZZEEE	209.45	83.81	11000	3000	

PROCEDURAL DATA NOTES:

NOTE: FOR USE BY TURBOJET AIRCRAFT ONLY.

PBN REQUIREMENTS NOTES:

RNAV 1 - DME/DME/IRU OR GPS.

EQUIPMENT REQUIREMENT NOTES:

RADAR REQUIRED FOR NON-GPS EQUIPPED AIRCRAFT.

TAKEOFF MINIMUMS:

RWY 4, 12L, 12R, 22, 30L, 30R, 35: NA - AIR TRAFFIC.

RWY 17: STANDARD.

TAKEOFF OBSTACLES NOTES:

NOTE: RWY 17: POLE 409 FT FROM DER, 530 FT RIGHT OF CENTERLINE, 29 FT AGL/866 FT MSL. BUILDING 2619 FT FROM DER, 881 FT LEFT OF CENTERLINE, 97 FT AGL/918 FT MSL. BUILDING 1956 FT FROM DER, 904 FT LEFT OF CENTERLINE, 61 FT AGL/866 FT MSL. TREE 2619 FT FROM DER, ON CENTERLINE, 79 FT AGL/900 FT MSL.

CONTROLLING OBSTACLES:

MSA:



DP NAME	NUMBER	DP COMPUTER CODE	SUPERSEDED NUMBER	DATED	ACTUAL EFFECTIVE DATE
HESTIN	FIVE	HSTIN5.HSTIN	FOUR	08/17/2017	8 SEP 2022

LOST COMMUNICATIONS PROCEDURES:

ADDITIONAL FLIGHT DATA:
 DME/DME ASSESSMENT: SAT (RNP 2.0)
 CHART: TOP ALTITUDE: 17000

AIRPORTS SERVED:

<u>AIRPORT ID</u>	<u>CITY</u>	<u>STATE</u>
KMSP	MINNEAPOLIS	MN

COMMUNICATIONS:

ATIS, CLEARANCE DELIVERY, DEPARTURE CONTROL SOUTH OR EAST, DEPARTURE CONTROL NORTH OR WEST, ZMP, ATCT.

FIXES AND/OR NAVAIDS:

REMARKS:

ABBREVIATED AMENDMENT

FLIGHT INSPECTED BY

MICHAEL A GREENWOOD

Digitally signed by

MARK D ADAMS

May 18, 2022

OFFICE

FPO

DATE

05/16/2022

DEVELOPED BY

STEVE OWNBEY

Digitally signed by

STEVE OWNBEY

Apr 07, 2022

OFFICE

AJV-A412

DATE

03/17/2022

APPROVED BY

JULIE MORGAN

Digitally signed by

MARK D ADAMS

Apr 22, 2022

OFFICE

AJV-A410

DATE

TITLE

MANAGER

REQUIRED EFFECTIVE DATE

ROUTINE

COORDINATED WITH:

A4A **ALPA** **AOPA** **APA** **HAI** **NBAA** **OTHER:** MSP ATCT, ZMP, AMGR

CHANGES - REASONS:

UPDATED MOCA FROM HSTIN TO YUPER FROM 2600 TO 2700- NEW CONTROLLING OBSTACLE
 UPDATED MOCA FROM YUPER TO DABOY FROM 2700 TO 2800- NEW CONTROLLING OBSTACLE
 AIRPORTS SERVED: CHANGED AIRPORT NAME TO AIRPORT ID - NEW FORM



**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>				
HESTIN	FIVE	HSTIN5.HSTIN	FOUR	08/17/2017	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>
RW17 (AER)	445315.91N/0931432.11W	N	-	-	-	-			
-	445003.06N/0931342.01W	-	-	VI	169.53	3.27			
BDOGG	444831.68N/0931518.72W	Y	FB	CF	217.00	1.91			RECOMMENDED NAVAID: VOK TACAN
MNDEE	444414.85N/0931924.52W	Y	FB	TF	214.31	5.18	AT/ABOVE 4000, AT/BELOW 7000		
PRAMN	444003.22N/0932323.11W	Y	FB	TF	214.09	5.06			
HITTL	443456.19N/0932748.29W	Y	FB	TF	211.69	6.01	AT/ABOVE 8000, AT/BELOW 17000		
NANCZ	442452.14N/0933627.99W	Y	FB	TF	211.67	11.82	AT/ABOVE 11000, AT/BELOW 17000		
HSTIN	440008.00N/0935740.00W	Y	FB	TF	211.78	29.06			
HSTIN	440008.00N/0935740.00W	Y	-	IF	-	-			HSTIN5.DABOY
YUPER	431132.00N/0940825.00W	Y	FB	TF	189.19	49.22			
DABOY	415319.05N/0942734.27W	Y	FB	TF	190.37	79.46			
HSTIN	440008.00N/0935740.00W	Y	-	IF	-	-			HSTIN5.ZZEEE
BBERD	431935.00N/0942853.00W	Y	FB	TF	209.38	46.45			
ZZEEE	420621.00N/0952414.00W	Y	FB	TF	209.45	83.81			

