

<b>Fuel Planning (kg)</b>	<b>EU-OPS</b>	<b>Fuel</b>	<b>Time</b>
TRIP		20.769	03:33
CONT 5%		1.038	00:12
HOLD	KSFO	1.691	00:20
ALTN	KOAK	1.007	00:08
FINAL RESV		2.537	00:30
ADD FUEL		444	00:05
MIN T/O		27.486	04:48
EXTRA		1.269	00:15
TAXI		1.300	00:25
RELEASE	KMEM	30.055	05:28
ARR FUEL	KSFO	7.778	01:26

<b>Load Planning (kg)</b>	<b>PJTGE</b>	<b>Plan</b>	<b>Limit</b>
Empty Weight		156.146	
Zero Fuel Weight	Limit	156.146	209.106
Fuel		30.055	162.613
Ramp Weight		186.201	348.359
Take-Off Weight KMEM		184.901	295.125
Landing Weight KSFO		164.132	223.167
Underload		52.960	Lim ZFW
Max Extra Fuel		59.035	Lim LDW

<b>Cost Planning</b>		
Flight Time	03:33\$	19.979
Fuel	22.277\$	17.494
Total		\$ 37.473

[PLANNING NOTAMS]

ORIGIN: KMEM/MEM (MEMPHIS INTL, UNITED STATES)

UTC -05:00

**08/434/KMEM**

MEM NAV ILS RWY 18L DME U/S  
(25-AUG-2019 01:00 - 25-AUG-2019 04:00. CREATED 23-AUG-2019 20:53)

**08/431/KMEM**

MEM RWY 09/27 CLSD EXC TAX DLY 1130-2300  
(26-AUG-2019 11:30 - 02-SEP-2019 23:00. CREATED 23-AUG-2019 18:19)

**08/430/KMEM**

MEM SVC SMR U/S  
(24-AUG-2019 23:00 - 25-AUG-2019 00:30. CREATED 23-AUG-2019 18:14)

**08/429/KMEM**

MEM TWY N BTN TWY M9 AND SIGNATURE RAMP CLSD  
(26-AUG-2019 13:00 - 26-AUG-2019 19:30. CREATED 23-AUG-2019 18:11)

**08/428/KMEM**

MEM TWY V3, TWY V BTN TWY C AND TWY N CLSD  
(26-AUG-2019 13:00 - 26-AUG-2019 19:30. CREATED 23-AUG-2019 18:09)

**08/427/KMEM**

MEM TWY V BTN FEDEX RAMP SPOT 6W AND TWY V2 CLSD  
(26-AUG-2019 13:00 - 26-AUG-2019 19:30. CREATED 23-AUG-2019 18:08)

**08/426/KMEM**

MEM TWY A, B, S, Y WIP GRASS CUTTING ADJ  
(26-AUG-2019 13:00 - 26-AUG-2019 19:30. CREATED 23-AUG-2019 18:06)

**08/425/KMEM**

MEM TWY M, M1, M2, M3, M4, M5, TWY M6 BTN RWY 18R/36L AND TWY N, TWY M7 BTN RWY 18R/36L AND TWY N, TWY M8 BTN RWY 18R/36L AND TWY N, TWY M9 BTN APCH END RWY 18R AND TWY N, TWY N BTN TWY P AND TWY M1 CLSD  
(26-AUG-2019 13:00 - 26-AUG-2019 19:30. CREATED 23-AUG-2019 18:03)

**08/424/KMEM**

MEM RWY 18R/36L CLSD  
(26-AUG-2019 13:00 - 26-AUG-2019 19:30. CREATED 23-AUG-2019 18:02)

**08/422/KMEM**

MEM TWY M, M1, M2, M3, M4, M5, TWY M6 BTN RWY 18R/36L AND TWY N, TWY M7 BTN RWY 18R/36L AND TWY N, TWY M8 BTN RWY 18R/36L AND TWY N, TWY M9 BTN APCH END RWY 18R AND TWY N, TWY N BTN TWY P AND TWY M1 CLSD  
(25-AUG-2019 11:30 - 25-AUG-2019 19:00. CREATED 23-AUG-2019 17:54)

**08/421/KMEM**

MEM RWY 18R/36L CLSD  
(25-AUG-2019 11:30 - 25-AUG-2019 19:00. CREATED 23-AUG-2019 17:53)

**08/420/KMEM**

MEM TWY J BTN TWY E AND TWY R NONMOVEMENT AREA  
(24-AUG-2019 12:30 - 24-AUG-2019 19:30. CREATED 23-AUG-2019 17:51)

**08/419/KMEM**

MEM TWY C1, C2, C4, C5, C6, C7, C8, S5, S7, TWY R BTN TWY J AND TWY S, TWY H BTN TWY J AND TWY S, TWY L BTN TWY C AND TWY S, TWY D BTN TWY C AND TWY S, TWY B BTN APCH END RWY 18C AND TWY S CLSD  
(24-AUG-2019 12:30 - 24-AUG-2019 19:30. CREATED 23-AUG-2019 17:50)

**08/418/KMEM**

MEM RWY 18C/36C CLSD  
(24-AUG-2019 12:30 - 24-AUG-2019 19:30. CREATED 23-AUG-2019 17:49)

**08/417/KMEM**

MEM NAV ILS RWY 36C CAT II/III NA  
(24-AUG-2019 23:00 - 25-AUG-2019 00:30. CREATED 23-AUG-2019 17:36)

**08/416/KMEM**

MEM NAV ILS RWY 36L CAT II/III NA  
(24-AUG-2019 23:00 - 25-AUG-2019 00:30. CREATED 23-AUG-2019 17:36)

**08/415/KMEM**

MEM NAV ILS RWY 36R CAT II/III NA  
(24-AUG-2019 23:00 - 25-AUG-2019 00:30. CREATED 23-AUG-2019 17:35)

**08/414/KMEM**

MEM AD AP RVR ALL U/S  
(24-AUG-2019 23:00 - 25-AUG-2019 00:30. CREATED 23-AUG-2019 17:34)

**08/402/KMEM**

MEM NAV ILS RWY 18C LOC/GP U/S  
(29-AUG-2019 12:30 - 29-AUG-2019 20:00. CREATED 22-AUG-2019 12:31)

**08/401/KMEM**

MEM NAV ILS RWY 36C LOC/GP U/S  
(29-AUG-2019 12:30 - 29-AUG-2019 20:00. CREATED 22-AUG-2019 12:31)

**08/395/KMEM**

MEM NAV ILS RWY 36C LOC/GP U/S  
(28-AUG-2019 12:30 - 28-AUG-2019 20:00. CREATED 22-AUG-2019 01:51)

**08/394/KMEM**

MEM NAV ILS RWY 18C LOC/GP U/S  
(28-AUG-2019 12:30 - 28-AUG-2019 20:00. CREATED 22-AUG-2019 01:51)

**08/392/KMEM**

MEM NAV ILS RWY 36L LOC/GP U/S  
(26-AUG-2019 13:00 - 26-AUG-2019 20:00. CREATED 22-AUG-2019 01:43)

**08/390/KMEM**

MEM NAV ILS RWY 18R LOC/GP U/S  
(26-AUG-2019 13:00 - 26-AUG-2019 20:00. CREATED 22-AUG-2019 01:42)

**08/385/KMEM**

MEM NAV ILS RWY 36L LOC/GP U/S  
(25-AUG-2019 11:30 - 25-AUG-2019 20:00. CREATED 22-AUG-2019 01:31)

**08/384/KMEM**

MEM NAV ILS RWY 18R LOC/GP U/S  
(25-AUG-2019 11:30 - 25-AUG-2019 20:00. CREATED 22-AUG-2019 01:31)

**08/383/KMEM**

MEM NAV ILS RWY 36C LOC/GP U/S  
(24-AUG-2019 12:30 - 24-AUG-2019 20:00. CREATED 22-AUG-2019 01:23)

**08/382/KMEM**

MEM NAV ILS RWY 18C LOC/GP U/S  
(24-AUG-2019 12:30 - 24-AUG-2019 20:00. CREATED 22-AUG-2019 01:23)

**08/372/KMEM**

MEM OBST TOWER LGT (ASR 1051807) 350025.00N0900613.00W (6.6NM WSW MEM)  
554.5FT (308.4FT AGL) U/S  
(21-AUG-2019 19:22 - 05-SEP-2019 23:59. CREATED 21-AUG-2019 19:23)

**08/370/KMEM**

MEM RWY 36L SEQUENCED FLG LGT U/S

(21-AUG-2019 18:51 - 28-AUG-2019 20:00 EST. CREATED 21-AUG-2019 18:51)

**08/306/KMEM**

MEM NAV ILS RWY 09 LOC U/S

(23-AUG-2019 12:00 - 31-OCT-2019 22:00. CREATED 16-AUG-2019 15:53)

**08/301/KMEM**

MEM NAV ILS RWY 09 GP U/S

(23-AUG-2019 12:00 - 31-OCT-2019 22:00. CREATED 16-AUG-2019 12:00)

**9/9763/KMEM**

MEM ODP MEMPHIS INTL, MEMPHIS, TN.

TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES AMDT 4A...

TAKEOFF OBSTACLE NOTES: RWY 18C, TEMPORARY CRANE 914 FT FROM DER,  
608 FT RIGHT OF CENTERLINE, 60 FT AGL/390 FT MSL

(2018-ASO-2377-NRA).

ALL OTHER DATA REMAINS AS PUBLISHED.

(14-AUG-2019 13:38 - 01-OCT-2019 13:38 EST. CREATED 14-AUG-2019 13:38)

**9/8671/KMEM**

MEM IAP MEMPHIS INTL, MEMPHIS, TN.

ILS OR LOC RWY 27, AMDT 4C...

S-ILS 27 DA 538/HAT 250 ALL CATS. TEMP CRANE 487 MSL 2099 FT SW OF  
RWY 27 (2017-ASO-3440-NRA).

1908130329-2003240329EST

(PERM. CREATED 13-AUG-2019 03:29)

**9/8670/KMEM**

MEM IAP MEMPHIS INTL, MEMPHIS, TN.

RNAV (GPS) RWY 27, AMDT 2D...

LPV DA 538/HAT 250 ALL CATS. TEMP CRANE 487 MSL 2099 FT SW OF RWY  
27 (2017-ASO-3440-NRA).

1908130329-2003240329EST

(PERM. CREATED 13-AUG-2019 03:29)

**M0007/19/KMEM**

RAMP MIL RAMP OPERATING AT REDUCED ARFF DOWNGRADED TO YELLOW.

(08-AUG-2019 20:25 - 04-NOV-2019 23:59. CREATED 08-AUG-2019 20:25)

**M0006/19/KMEM**

RAMP MIL RAMP OPERATING HOURS ARE 1230-0430Z++ MON-FRI, CLOSED

ALTN MON AND HOL DUE ALTN WORK SKED. MIL RAMP IS CLOSED OUTSIDE OF  
PUBLISHED HOURS WITHOUT OG/CC APPROVAL DSN 726-7530, C901-291-7530.

(08-AUG-2019 20:23 - 25-OCT-2019 23:59. CREATED 08-AUG-2019 20:23)

**08/067/KMEM**

MEM RWY 18R TDZ MARKINGS NOT STD

(05-AUG-2019 19:20 - 30-SEP-2019 19:30. CREATED 05-AUG-2019 19:20)

**08/068/KMEM**

MEM RWY 36L TDZ MARKINGS NOT STD

(05-AUG-2019 19:20 - 30-SEP-2019 19:30. CREATED 05-AUG-2019 19:20)

**07/401/KMEM**

MEM TWY S BTN FEDEX RAMP AND TWY V CLSD

(29-JUL-2019 19:49 - 31-OCT-2019 20:30 EST. CREATED 29-JUL-2019 19:49)

**06/058/KMEM**MEM OBST TOWER LGT (ASN UNKNOWN) 350607N0901025W (12NM W MEM) 671FT (226FT  
AGL) U/S

(04-JUN-2019 19:36 - 31-DEC-2020 23:59. CREATED 04-JUN-2019 19:38)

**06/057/KMEM**

MEM OBST TOWER LGT (ASN UNKNOWN) 350619.77N0901055.30W (12NM W MEM) 671FT  
(226FT AGL) U/S  
(04-JUN-2019 19:33 - 31-DEC-2020 23:59. CREATED 04-JUN-2019 19:37)

**06/056/KMEM**

MEM OBST TOWER LGT (ASN UNKNOWN) 350505.40N0901002.50W (12NM W MEM) 671FT  
(226FT AGL) U/S  
(04-JUN-2019 19:24 - 31-DEC-2020 23:59. CREATED 04-JUN-2019 19:29)

<b>DESTINATION: KSFO/SFO (SAN FRANCISCO INTL, UNITED STATES)</b>
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<b>UTC -07:00</b>
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**08/148/KSFO**

SFO RWY 10L/28R CLSD  
(30-AUG-2019 07:00 - 30-AUG-2019 13:00. CREATED 23-AUG-2019 21:25)

**08/147/KSFO**

SFO RWY 01R/19L CLSD  
(30-AUG-2019 07:00 - 30-AUG-2019 13:00. CREATED 23-AUG-2019 21:24)

**08/146/KSFO**

SFO RWY 10R/28L CLSD DLY 0700-1300  
(26-AUG-2019 07:00 - 29-AUG-2019 13:00. CREATED 23-AUG-2019 21:22)

**08/145/KSFO**

SFO RWY 01L/19R CLSD DLY 0700-1300  
(26-AUG-2019 07:00 - 29-AUG-2019 13:00. CREATED 23-AUG-2019 21:21)

**08/144/KSFO**

SFO NAV ILS RWY 28L U/S  
(24-AUG-2019 09:30 - 24-AUG-2019 11:30. CREATED 23-AUG-2019 20:47)

**08/143/KSFO**

SFO NAV ILS RWY 28R U/S  
(24-AUG-2019 07:30 - 24-AUG-2019 09:30. CREATED 23-AUG-2019 20:45)

**08/142/KSFO**

SFO OBST CRANE (ASN UNKNOWN) 373746N1222241W (.61NM NNW SFO)  
UNKNOWN (65FT AGL) FLAGGED  
(24-AUG-2019 13:00 - 25-AUG-2019 01:00. CREATED 23-AUG-2019 18:21)

**08/130/KSFO**

SFO OBST CRANE (ASN 2018-AWP-2573-NRA) 373719N1222351W (1.1NM W SFO) 130FT  
(125FT AGL) FLAGGED  
(26-AUG-2019 13:00 - 28-AUG-2019 01:00. CREATED 21-AUG-2019 21:17)

**08/128/KSFO**

SFO RWY 10R/28L CLSD  
(24-AUG-2019 09:30 - 24-AUG-2019 11:30. CREATED 21-AUG-2019 06:52)

**08/127/KSFO**

SFO RWY 10L/28R CLSD  
(24-AUG-2019 07:30 - 24-AUG-2019 09:30. CREATED 21-AUG-2019 06:51)

**08/121/KSFO**

SFO TWY T HLDG PSN MARKINGS BTN RWY 10L/28R AND RWY 10R/28L NOT STD  
(20-AUG-2019 11:57 - 30-AUG-2019 15:00. CREATED 20-AUG-2019 11:57)

**08/104/KSFO**

SFO TWY T IN PAVEMENT RWY GUARD LGT AT RWY 10L/28R U/S  
(19-AUG-2019 08:01 - 26-AUG-2019 15:00. CREATED 19-AUG-2019 08:01)

**08/092/KSFO**

SFO TWY T CL LGT BTN RWY 10L/28R AND RWY 10R/28L U/S  
(15-AUG-2019 12:32 - 15-SEP-2019 18:00. CREATED 15-AUG-2019 12:32)

**08/082/KSFO**

SFO TWY B CL LGT BTN TWY Q AND TWY K U/S  
(13-AUG-2019 09:57 - 31-OCT-2019 06:00. CREATED 13-AUG-2019 09:57)

**08/081/KSFO**

SFO TWY Q CL LGT BTN RWY 10L/28R AND TWY B U/S  
(13-AUG-2019 09:56 - 31-OCT-2019 15:00. CREATED 13-AUG-2019 09:56)

**08/051/KSFO**

SFO TWY B CL LGT BTN TWY D AND TWY E OUT OF SERVICE  
(09-AUG-2019 13:37 - 31-AUG-2019 18:00. CREATED 09-AUG-2019 13:37)

**07/028/KSFO**

SFO TWY H BTN TWY A AND TWY B CLSD TO EASTBOUND ACFT WINGSPAN MORE THAN 214FT  
(03-JUL-2019 00:56 - 31-DEC-2019 15:00. CREATED 03-JUL-2019 00:56)

**9/5185/KSFO**

SFO SPECIAL SAN FRANCISCO INTL, SAN FRANCISCO, CA.  
RNAV VISUAL RWY 01R, AMDT 1... ARCHI MANDATORY 7000  
(14-JUN-2019 21:45 - 30-SEP-2019 09:01. CREATED 14-JUN-2019 21:41)

**9/3163/KSFO**

SFO IAP SAN FRANCISCO INTL,  
SAN FRANCISCO, CA.  
ILS RWY 28L (SA CAT II), AMDT 27B ...  
S-ILS 28L CATS A, B, C, D RA 113, RVR 1200, HAT 100, DA 113.  
1906121506-2106131506EST  
(PERM. CREATED 12-JUN-2019 15:06)

**05/068/KSFO**

SFO SVC PRECISION RWY MNT OUT OF SERVICE  
(13-MAY-2019 15:31 - 10-NOV-2019 23:59 EST. CREATED 13-MAY-2019 15:31)

**05/014/KSFO**

SFO OBST CRANE (ASN 2019-AWP-685-NRA) 373703N1222260W (0.4NM WSW SFO) 251FT  
(240FT AGL) FLAGGED AND LGTD  
(03-MAY-2019 22:21 - 10-OCT-2019 01:00. CREATED 03-MAY-2019 22:21)

**03/024/KSFO**

SFO OBST CRANE (ASN 2018-AWP-1352-NRA) 373700N1222258W (0.4NM WSW SFO) 217FT  
(210FT AGL) FLAGGED AND LGTD  
(01-MAR-2019 15:45 - 29-DEC-2019 01:00. CREATED 01-MAR-2019 15:45)

**02/079/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1028-NRA) 373642N1222308W (0.6NM SW SFO) 308FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:22 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:22)

**02/078/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1027-NRA) 373642N1222308W (0.6NM SW SFO) 308FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:21 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:21)

**02/077/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1026-NRA) 373644N1222312W (0.7NM SW SFO) 308FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:20 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:20)

**02/076/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1025-NRA) 373638N1222316W (0.8NM SW SFO) 310FT  
(300FT AGL) FLAGGED AND LGTD

(09-FEB-2019 00:19 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:19)

**02/075/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1024-NRA) 373638N1222316W (0.8NM SW SFO) 310FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:18 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:18)

**02/074/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1023-NRA) 373638N1222316W (0.8NM SW SFO) 310FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:16 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:16)

**02/073/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1022-NRA) 373635N1222310W (0.7NM SW SFO) 309FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:15 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:15)

**02/072/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1021-NRA) 373635N1222309W (0.7NM SW SFO) 309FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:14 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:14)

**02/071/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1020-NRA) 373636N1222308W (0.7NM SW SFO) 309FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:12 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:12)

**02/070/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1018-NRA) 373640N1222304W (0.6NM SW SFO) 308FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:11 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:11)

**02/069/KSFO**

SFO OBST CRANE (ASN 2017-AWP-1019-NRA) 373639N1222305W (0.6NM SW SFO) 308FT  
(300FT AGL) FLAGGED AND LGTD  
(09-FEB-2019 00:10 - 25-JAN-2020 02:00. CREATED 09-FEB-2019 00:10)

**12/181/KSFO**

SFO TWY J CLSD  
(24-DEC-2018 19:54 - 01-JAN-2020 08:00. CREATED 24-DEC-2018 19:57)

**06/134/KSFO**

SFO OBST CRANE (ASN 2018-AWP-1567-NRA) 373648N1222260W (0.5NM SW SFO) 183FT  
(175FT AGL) FLAGGED AND LGTD  
(02-JUL-2018 14:00 - 14-DEC-2019 01:00. CREATED 30-JUN-2018 01:30)

**06/133/KSFO**

SFO OBST CRANE (ASN 2018-AWP-1566-NRA) 373643N1222311W (0.7NM SW SFO) 183FT  
(175FT AGL) FLAGGED AND LGTD  
(02-JUL-2018 14:00 - 14-DEC-2019 01:00. CREATED 30-JUN-2018 01:28)

**06/132/KSFO**

SFO OBST CRANE (ASN 2018-AWP-1565-NRA) 373650N1222319W (0.7NM WSW SFO) 183FT  
(175FT AGL) FLAGGED AND LGTD  
(02-JUL-2018 14:00 - 14-DEC-2019 01:00. CREATED 30-JUN-2018 01:26)

**06/131/KSFO**

SFO OBST CRANE (ASN 2018-AWP-1564-NRA) 373656N1222304W (0.5NM WSW SFO) 183FT  
(175FT AGL) FLAGGED AND LGTD  
(02-JUL-2018 14:00 - 14-DEC-2019 01:00. CREATED 30-JUN-2018 01:24)

**06/130/KSFO**

SFO OBST CRANE (ASN 2018-AWP-1563-NRA) 373656N1222318W (0.6NM WSW SFO) 183FT  
(175FT AGL) FLAGGED AND LGTD

(02-JUL-2018 14:00 - 14-DEC-2019 01:00. CREATED 30-JUN-2018 01:23)

**05/172/KSFO**

SFO OBST CRANE (ASN 2018-AWP-826-NRA) 373652N1222323W (0.7NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:34 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:34)

**05/171/KSFO**

SFO OBST CRANE (ASN 2018-AWP-825-NRA) 373650N1222322W (0.7NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:31 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:31)

**05/170/KSFO**

SFO OBST CRANE (ASN 2018-AWP-824-NRA) 373651N1222318W (0.7NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:28 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:28)

**05/169/KSFO**

SFO OBST CRANE (ASN 2018-AWP-823-NRA) 373651N1222317W (0.7NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:27 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:27)

**05/168/KSFO**

SFO OBST CRANE (ASN 2018-AWP-822-NRA) 373652N1222315W (0.6NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:16 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:16)

**05/167/KSFO**

SFO OBST CRANE (ASN 2018-AWP-821-NRA) 373653N1222315W (0.6NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:13 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:13)

**05/166/KSFO**

SFO OBST CRANE (ASN 2018-AWP-820-NRA) 373653N1222315W (0.6NM WSW SFO) 170FT  
(160FT AGL) FLAGGED AND LGTD  
(15-MAY-2018 15:11 - 18-OCT-2019 01:00. CREATED 15-MAY-2018 15:11)

**02/027/KSFO**

SFO OBST CRANE 2016-AWP-3218-NRA 373648N1222258W (1500FT W APCH END RWY 01L)  
133FT (125FT AGL) FLAGGED AND LGTD  
(03-FEB-2017 13:40 - 03-AUG-2022 13:40. CREATED 03-FEB-2017 13:46)

**02/026/KSFO**

SFO OBST CRANE 2016-AWP-3217-NRA 373643N1222311W (1500FT W APCH END RWY 01L)  
133FT (125FT AGL) FLAGGED AND LGTD  
(03-FEB-2017 13:40 - 03-AUG-2022 13:40. CREATED 03-FEB-2017 13:45)

**02/025/KSFO**

SFO OBST CRANE 2016-AWP-3216-NRA 373650N1222318W (1500FT W APCH END RWY 01L)  
133FT (125FT AGL) FLAGGED AND LGTD  
(03-FEB-2017 13:40 - 03-AUG-2022 13:40. CREATED 03-FEB-2017 13:45)

**02/024/KSFO**

SFO OBST CRANE 2016-AWP-3215-NRA 373656N1222304W (1500FT W APCH END RWY 01L)  
133FT (125FT AGL) FLAGGED AND LGTD  
(03-FEB-2017 13:40 - 03-AUG-2022 13:40. CREATED 03-FEB-2017 13:44)

**02/023/KSFO**

SFO OBST CRANE 2016-AWP-3080-NRA 373654N1222303W (1500FT W APCH END RWY 01L)  
133FT (125FT AGL) FLAGGED AND LGTD  
(03-FEB-2017 13:40 - 03-AUG-2022 13:40. CREATED 03-FEB-2017 13:43)



ALTERNATE: KOAK/OAK (METRO OAKLAND INTL, UNITED STATES)

UTC -07:00

**08/258/KOAK**

OAK RWY 30 RVRM U/S

(24-AUG-2019 04:48 - 26-AUG-2019 23:59. CREATED 24-AUG-2019 04:48)

**08/254/KOAK**

OAK AIRSPACE UAS WI AN AREA DEFINED AS .75NM RADIUS OF OAK292008.9 (8.9NM W OAK) SFC-400FT AGL DLY 1500-2359

(24-AUG-2019 15:00 - 25-AUG-2019 23:59. CREATED 23-AUG-2019 22:19)

**08/239/KOAK**

OAK NAV DME U/S

(27-AUG-2019 14:30 - 27-AUG-2019 18:30. CREATED 21-AUG-2019 21:34)

**9/3346/KOAK**

OAK IAP METROPOLITAN OAKLAND INTL,  
OAKLAND, CA.

RNAV (GPS) Y RWY 12, AMDT 3A...

LNAV/VNAV DA 361/ HAT 352 ALL CATS, VISIBILITY ALL CATS RVR 3200.

LNAV MDA 460/ HAT 451 ALL CATS, VISIBILITY CATS C/D RVR 4500. VDP

1.26 NM TO RW12. TEMPORARY CRANE 151 MSL 3029FT NORTHEAST OF RWY 12  
(2018-AWP-17526-OE).

1908191300-1909211300EST

(PERM. CREATED 19-AUG-2019 11:12)

**08/169/KOAK**

OAK OBST TOWER LGT (ASR 1015577) 374730.00N1222344.00W (9.3NM WNW OAK)  
584.6FT (574.8FT AGL) U/S

(19-AUG-2019 23:59 - 24-AUG-2019 13:30. CREATED 15-AUG-2019 18:53)

**08/133/KOAK**

OAK TWY B CL MARKINGS BTN APCH END RWY 28R AND TWY C OBSC

(11-AUG-2019 01:32 - 30-AUG-2019 23:00. CREATED 11-AUG-2019 01:32)

**07/306/KOAK**

OAK OBST TOWER LGT (ASR 1015706) 374445.00N1222240.00W (7.6NM W OAK) 323.8FT  
(308.4FT AGL) OUT OF SERVICE

(26-JUL-2019 13:54 - 28-AUG-2019 23:59. CREATED 26-JUL-2019 13:54)

**04/038/KOAK**

OAK COM MOUNT TAMALPAIS REMOTE COM OUTLET 122.35 U/S

(02-APR-2019 16:19 - PERM. CREATED 02-APR-2019 16:19)

**03/276/KOAK**

OAK OBST CRANE (ASN 2018-AWP-14573-OE) 374241N1221144W (1.0NM E OAK) 182FT  
(150FT AGL) FLAGGED AND LGTD

(20-MAR-2019 21:47 - 03-APR-2020 02:00. CREATED 20-MAR-2019 21:48)

**8/0710/KOAK**

OAK IAP METROPOLITAN OAKLAND INTL,  
OAKLAND, CA.

ILS RWY 12 (SA CAT 1), AMDT 8A ...

S-ILS 12 VISIBILITY RVR 1400 ALL CATS.

(26-NOV-2018 15:53 - 26-NOV-2020 15:53 EST. CREATED 26-NOV-2018 15:55)

**11/031/KOAK**

OAK AIRSPACE UAS WI AN AREA DEFINED AS .44NM RADIUS OF 374149.06N1220041.60W  
(5.9NM NE HWD) SFC-400FT AGL DLY SR-SS

(07-NOV-2018 14:38 - 09-NOV-2019 01:06. CREATED 06-NOV-2018 00:34)

**KZME (MEMPHIS FIR)**

**08/787/KZME**

ZME AIRSPACE COLUMBUS 3 MOA ACT 8000FT UP TO BUT NOT INCLUDING FL180  
(24-AUG-2019 14:00 - 24-AUG-2019 20:00. CREATED 24-AUG-2019 08:04)

**08/215/KZME**

ZME AIRSPACE PJE WITHIN AREA DEFINED AS 3NM RADIUS OF LIT340015 SFC-13000FT  
(26-AUG-2019 14:00 - 27-AUG-2019 20:00. CREATED 23-AUG-2019 15:56)

**9/6995/KZME**

ZME TN..AIRSPACE GERMANTOWN, TN..LASER LGT DEMONSTRATION  
WI AN AREA DEFINED AS 350345N894406W, RIDGEWAY COUNTRY CLUB,  
GERMANTOWN, TN OR THE MEMPHIS /MEM/ VORTAC 077 DEG RADIAL AT 12NM  
SFC-600FT AGL. LASER LGT BEAMS WILL BE TERMINATED IF  
NONPARTICIPATING ACFT ARE DETECTED ENTERING THE AFFECTED AREA. LASER  
LGT BEAMS MAY BE INJUROUS TO PILOTS/PASSENGERS EYES WI 600FT  
VERTICALLY AND 1100FT Laterally OF THE LGT SOURCE. FLASH BLINDNESS  
OR COCKPIT ILLUMINATION MAY OCCUR BEYOND THESE DISTANCES. MEMPHIS  
/M03/ APP TELEPHONE 901-842-8457 IS THE FAA CDN FACILITY. DLY  
0100-0315  
1908240100-1908250315  
(PERM. CREATED 23-AUG-2019 15:26)

**08/214/KZME**

ZME AIRSPACE AIRDROP WITHIN AREA DEFINED AS 3NM EITHER SIDE OF A LINE FM  
LIT338033 TO LIT017035 SFC-2500FT  
(26-AUG-2019 14:00 - 30-AUG-2019 06:00. CREATED 23-AUG-2019 15:05)

**08/212/KZME**

ZME SVC MERIDIAN APP OPN  
(25-AUG-2019 22:00 - 26-AUG-2019 03:00. CREATED 23-AUG-2019 14:17)

**06/055/KZME**

ZME AIRSPACE UAS WI AN AREA DEFINED AS 2NM RADIUS OF  
350429.70N0923127.50W (3.6NM NNE CXW) SFC-400FT AGL DLY 0000-2359  
(08-JUN-2019 00:00 - 30-SEP-2019 23:59. CREATED 07-JUN-2019 13:00)

**06/054/KZME**

ZME AIRSPACE UAS WI AN AREA DEFINED AS 2NM RADIUS OF  
350237.10N0922533.70W (6.5NM ENE CXW) SFC-400FT AGL DLY 0000-2359  
(08-JUN-2019 00:00 - 30-SEP-2019 23:59. CREATED 07-JUN-2019 12:58)

**06/053/KZME**

ZME AIRSPACE UAS WI AN AREA DEFINED AS 2NM RADIUS OF  
350454.20N0922258.90W (6.2NM SSW 12A) SFC-400FT AGL DLY 0000-2359  
(08-JUN-2019 00:00 - 30-SEP-2019 23:59. CREATED 07-JUN-2019 12:56)

**06/052/KZME**

ZME AIRSPACE UAS WI AN AREA DEFINED AS 2NM RADIUS OF  
350524.90N0922723.50W (6.4NM NE CXW) SFC-400FT AGL DLY 0000-2359  
(08-JUN-2019 00:00 - 30-SEP-2019 23:59. CREATED 07-JUN-2019 12:54)

**12/040/KZME**

ZME AIRSPACE R3702A ACT SFC-10000FT  
(01-JAN-2019 00:00 - 31-DEC-2019 23:59. CREATED 31-DEC-2018 00:05)

**12/039/KZME**

ZME AIRSPACE R3701A ACT SFC-5000FT  
(01-JAN-2019 00:00 - 31-DEC-2019 23:59. CREATED 31-DEC-2018 00:05)

**12/038/KZME**

ZME AIRSPACE R3702B ACT 10000FT-FL220

(01-JAN-2019 00:00 - 31-DEC-2019 23:59. CREATED 31-DEC-2018 00:05)

**KZFW (FT WORTH FIR)**

**08/098/KZFW**

ZFW AIRSPACE R5602B ACT FL400-FL600

(24-AUG-2019 12:00 - 24-AUG-2019 22:00. CREATED 24-AUG-2019 06:04)

**08/097/KZFW**

ZFW AIRSPACE R5601J ACT 500FT-FL400

(24-AUG-2019 12:00 - 24-AUG-2019 22:00. CREATED 24-AUG-2019 06:04)

**08/096/KZFW**

ZFW AIRSPACE R5601H ACT SFC-FL400

(24-AUG-2019 12:00 - 24-AUG-2019 22:00. CREATED 24-AUG-2019 06:04)

**08/599/KZFW**

ZFW SVC SPS APP OPN

(24-AUG-2019 11:00 - 24-AUG-2019 13:00. CREATED 23-AUG-2019 23:11)

**08/153/KZFW**

ZFW NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT 333435N1063456W (TCS055039) FL400-UNL,

412NM RADIUS AT FL250,

329NM RADIUS AT 10000FT,

304NM RADIUS AT 4000FT AGL,

300NM RADIUS AT 50FT AGL.

1908272000-1908272230

(PERM. CREATED 23-AUG-2019 22:57)

**08/579/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3.15NM RADIUS OF 325723N1011328W (24.1NM NW SNK) 3194FT (400FT AGL) NOT LGTD

(23-AUG-2019 17:08 - 23-SEP-2019 17:00. CREATED 23-AUG-2019 17:13)

**08/578/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 7NM RADIUS OF

335645.82N1013935.06W (6.6NM NE F83) 3804FT (499FT AGL) NOT LGTD

(23-AUG-2019 16:50 - 30-AUG-2019 12:00. CREATED 23-AUG-2019 16:50)

**9/6654/KZFW**

ZFW TX..AIRSPACE CROWELL, TX..TEMPORARY FLIGHT

RESTRICTIONS WI AN AREA BOUNDED BY

341525N/1000000W (CHILDRESS VORTAC CDS105015.9) TO

341525N/0994000W (ALTUS VORTAC LTS214031.2) TO

340500N/0994000W (CHILDRESS VORTAC CDS109035.4) TO

335800N/0994600W (CHILDRESS VORTAC CDS123035.5) TO

335800N/1000000W (CHILDRESS VORTAC CDS139028.1) BACK TO THE ORIGINAL

POINT SFC-6500FT. TO PROVIDE A SAFE ENVIRONMENT FOR FIRE FIGHTING

- AVIATION OPS. PURSUANT TO 14 CFR SECTION 91.137(A)(2)

TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. TEXAS FOREST SERVICE

TELEPHONE 979-458-3473 OR FREQ 118.700/COPPER BREAKS/VIVIAN FIRE

IS IN CHARGE OF THE OPERATION. FORT WORTH /ZFW/ ARTCC TELEPHONE

817-858-7503 IS THE FAA CDN FACILITY.

(23-AUG-2019 12:00 - 01-SEP-2019 02:00. CREATED 23-AUG-2019 00:14)

**08/132/KZFW**

ZFW NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND

ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT

333435N1063456W (TCS055039) FL400-UNL,

412NM RADIUS AT FL250,

329NM RADIUS AT 10000FT,

304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908261900-1908262000  
(PERM. CREATED 22-AUG-2019 19:27)

**08/125/KZFW**

ZFW NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 356NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
1908262030-1908262230  
(PERM. CREATED 22-AUG-2019 19:16)

**08/508/KZFW**

ZFW OBST WIND TURBINE (ASN UNKNOWN) 314549N1012914W (34.9NM ESE 7T7) 3145FT  
(432FT AGL) NOT LGTD  
(20-AUG-2019 20:32 - 10-SEP-2019 23:59. CREATED 20-AUG-2019 20:33)

**08/495/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 17.17NM RADIUS OF  
321150N1001435W (17.17NM SE SWW) 2909FT (389FT AGL) NOT LGTD  
(20-AUG-2019 09:26 - 20-SEP-2019 23:59. CREATED 20-AUG-2019 09:26)

**08/481/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 15NM RADIUS OF  
355145N0985411W (12.5NM NW 104) UNKNOWN (445FT AGL) NOT LGTD  
(19-AUG-2019 20:37 - 29-AUG-2019 23:59. CREATED 19-AUG-2019 20:37)

**08/379/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 10.5NM RADIUS OF  
324254N1004760W (15.5NM NE T88) 2887FT (389FT AGL) NOT LGTD  
(18-AUG-2019 12:10 - 31-AUG-2019 23:59. CREATED 18-AUG-2019 12:10)

**08/373/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3.83NM RADIUS OF  
352922N0995444W (29NM W ELK) 2811FT (400FT AGL) NOT LGTD  
(18-AUG-2019 01:36 - 18-SEP-2019 23:59. CREATED 18-AUG-2019 01:43)

**08/372/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 7.94NM RADIUS OF  
352828N0994033W (14NM W ELK) 2655FT (400FT AGL) NOT LGTD  
(18-AUG-2019 01:38 - 17-SEP-2019 23:59. CREATED 18-AUG-2019 01:43)

**08/105/KZFW**

ZFW NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 256NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
DLY 1830-2330  
1908191830-1908242330  
(PERM. CREATED 15-AUG-2019 15:22)

**08/265/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 17.39NM RADIUS OF  
344142N975104W (34.75NM NE LAW) 1312FT (452FT AGL) NOT LGTD  
(14-AUG-2019 01:13 - 13-SEP-2019 23:59 EST. CREATED 14-AUG-2019 01:17)

**08/139/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 5.86NM RADIUS OF  
321332N1000242W (17.6NM SW DYS) 2829FT (400FT AGL) NOT LGTD  
(07-AUG-2019 11:59 - 07-SEP-2019 23:59 EST. CREATED 07-AUG-2019 12:01)

**08/110/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 7NM RADIUS OF  
312317N0982917W (5NM SW T37) 1746FT (427FT AGL) NOT LGTD  
(06-AUG-2019 12:55 - 06-SEP-2019 23:59. CREATED 06-AUG-2019 12:55)

**07/630/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 7.81NM RADIUS OF  
321449N1001444W (24.7NM WSW DYS) 2829FT (400FT AGL) NOT LGTD  
(26-JUL-2019 09:06 - 26-AUG-2019 23:59. CREATED 26-JUL-2019 09:13)

**07/629/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 5.1NM RADIUS OF  
334601N1005942W (13.03NM ENE 8F3) 3418FT (389FT AGL) NOT LGTD  
(26-JUL-2019 08:03 - 26-AUG-2019 23:59. CREATED 26-JUL-2019 08:03)

**9/4995/KZFW**

ZFW TX..ROUTE ZFW.  
V161 MILLSAP (MQP) VORTAC, TX TO DUFFA INT, TX MEA 6000.  
ACT VOR R-288 UNUSABLE BEYOND 40 NM.  
(14-JUN-2019 19:23 - 14-JUN-2021 19:20 EST. CREATED 14-JUN-2019 19:23)

**06/282/KZFW**

ZFW AIRSPACE UAS WI AN AREA DEFINED AS 6NM RADIUS OF 322854.22N0965914.02W  
(3.6NM W JWY) SFC-400FT AGL  
(10-JUN-2019 11:13 - 31-DEC-2019 05:00. CREATED 10-JUN-2019 11:13)

**05/002/KZFW**

ZFW AIRSPACE UAS WI AN AREA DEFINED AS 4NM RADIUS OF  
330127.20N0963052.90W (6.9NM NW F46) SFC-400FT AGL DLY 0000-2359  
(01-JUN-2019 00:00 - 31-AUG-2019 23:59. CREATED 29-MAY-2019 00:00)

**9/8713/KZFW**

ZFW TX..ROUTE ZFW.  
V102 LUBBOCK (LBB) VORTAC, TX TO GUTHRIE (GTH) VORTAC, TX MEA 8500.  
1905161306-2105161305EST  
(PERM. CREATED 16-MAY-2019 13:06)

**9/7272/KZFW**

ZFW TX..ROUTE ZFW.  
V102 LUBBOCK (LBB) VORTAC, TX R-075 TO GUTHRIE (GTH) VORTAC, TX NA.  
LBB VORTAC R-075 UNUSABLE.  
(14-MAY-2019 19:48 - 14-MAY-2021 19:47 EST. CREATED 14-MAY-2019 19:48)

**9/0693/KZFW**

ZFW TX..ROUTE ZFW.  
V278 PLAINVIEW (PVW) VOR/DME, TX R-093 TO GUTHRIE (GTH) VORTAC, TX  
R-275 MOCA 4900.  
1904111429-2104111429EST  
(PERM. CREATED 11-APR-2019 14:29)

**9/9278/KZFW**

ZFW TX..ROUTE ZFW.  
V94 CAPTI INT, TX DISREGARD DME INDICATIONS FROM GGG VORTAC.  
GGG TACAN UNUSABLE BEYOND 25 NM.  
(09-APR-2019 13:23 - 09-APR-2021 13:20 EST. CREATED 09-APR-2019 13:23)

**03/656/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 10NM RADIUS OF  
321601N1002651W (14NM BW SWW) UNKNOWN (300FT AGL) NOT LGTD  
(27-MAR-2019 19:12 - 27-MAR-2020 23:59. CREATED 27-MAR-2019 19:12)

**03/185/KZFW**

ZFW AIRSPACE UAS WI AN AREA DEFINED AS 30NM RADIUS OF 312725N0964858W (22NM SE CNW) SFC-11000FT MON-FRI 1300-0400  
(11-MAR-2019 13:00 - 03-NOV-2019 04:00. CREATED 10-MAR-2019 18:20)

**9/2029/KZFW**

ZFW OK..ROUTE ZFW.  
V77 FLECH INT, OK TO NEADS INT, OK MOCA 3000.  
1903042004-2103042004EST  
(PERM. CREATED 04-MAR-2019 20:04)

**02/248/KZFW**

ZFW AIRSPACE UAS WI AN AREA DEFINED AS 8NM RADIUS OF TTT188020 (6.1NM SW GKY) SFC-400FT AGL  
(13-FEB-2019 14:11 - 01-SEP-2019 18:00. CREATED 13-FEB-2019 14:11)

**01/294/KZFW**

ZFW AIRSPACE UAS WI AN AREA DEFINED AS 4.5NM RADIUS OF CVE082025 (1.5NM SE F46) SFC-400FT AGL  
(14-JAN-2019 16:08 - 11-JAN-2020 23:59. CREATED 14-JAN-2019 16:08)

**01/253/KZFW**

ZFW OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4NM RADIUS OF 333455.53N0991159.13W (5NM SE 60F) 1444FT (499FT AGL) NOT LGTD  
(11-JAN-2019 18:33 - 31-DEC-2019 23:59. CREATED 11-JAN-2019 18:33)

**8/0790/KZFW**

ZFW TX..ROUTE ZFW.  
V17 ROLAC INT, TX TO CONRA INT, TX NA EXCEPT FOR ACFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.  
ACT VOR R-181 UNUSABLE BEYOND 40 NM.  
(26-NOV-2018 17:21 - 26-NOV-2020 17:21 EST. CREATED 26-NOV-2018 17:22)

**8/7719/KZFW**

ZFW TX..ROUTE ZFW ZAB.  
V14 WINNS INT, TX TO CAPRO INT, NM MRA 9000.  
LBB VORTAC UNUSABLE BELOW 9000.  
(15-NOV-2018 21:39 - 15-NOV-2020 21:33 EST. CREATED 15-NOV-2018 21:40)

**9/2934/KZFW**

ZFW TX.. FLIGHT RESTRICTION. DALLAS, TEXAS.  
PURSUANT TO 49 USC 40103(B), THE FEDERAL AVIATION ADMINISTRATION (FAA) CLASSIFIES THE AIRSPACE DEFINED IN THIS NOTAM AS 'NATIONAL DEFENSE AIRSPACE'. ANY PERSON WHO KNOWINGLY OR WILLFULLY VIOLATES THE RULES CONCERNING OPERATIONS IN THIS AIRSPACE MAY BE SUBJECT TO CERTAIN CRIMINAL PENALTIES UNDER 49 USC 46307. PILOTS WHO DO NOT ADHERE TO THE FOLLOWING PROCEDURES MAY BE INTERCEPTED, DETAINED AND INTERVIEWED BY LAW ENFORCEMENT/SECURITY PERSONNEL. PURSUANT TO TITLE 14, SECTION 91.141 OF THE CODE OF FEDERAL REGULATIONS, AIRCRAFT FLIGHT OPERATIONS ARE PROHIBITED WITHIN THE FOLLOWING AREA(S) UNLESS OTHERWISE AUTHORIZED BY ATC

WITHIN A 1 NMR OF 325321N/0964835W OR THE CVE085004.8 UP TO AND INCLUDING 1500 FT AGL EFFECTIVE IMMEDIATELY UNTIL FURTHER NOTICE.  
(PERM. CREATED 26-JAN-2009 22:13)

**2/8646/KZFW**

ZFW TX.. DUE TO THE LACK OF TERRAIN AND OBSTACLE CLEARANCE DATA, ACCURATE AUTOMATION DATA BASES ARE NOT AVAILABLE FOR PROVIDING MINIMUM SAFE ALTITUDE WARNING INFORMATION TO AIRCRAFT OVERFLYING MEXICO. AIR TRAFFIC FACILITIES ALONG THE UNITED STATES/MEXICO BORDER HAVE INHIBITED MINIMUM SAFE ALTITUDE WARNING COMPUTER PROGRAMS

FOR AIRCRAFT OPERATING IN MEXICAN AIRSPACE UNTIL ACCURATE  
TERRAIN DATA CAN BE OBTAINED.  
(PERM. CREATED 19-AUG-2002 21:29)

**KZKC (KANSAS CITY FIR)**

**08/093/KZKC**

ZKC AIRSPACE R4501H ACT SFC-3200FT  
(25-AUG-2019 05:01 - 26-AUG-2019 05:00. CREATED 24-AUG-2019 05:04)

**08/092/KZKC**

ZKC AIRSPACE R4501F ACT SFC-3200FT  
(25-AUG-2019 05:01 - 25-AUG-2019 11:59. CREATED 24-AUG-2019 05:04)

**08/082/KZKC**

ZKC AIRSPACE R4501B ACT SFC-4300FT  
(24-AUG-2019 05:01 - 24-AUG-2019 11:29. CREATED 23-AUG-2019 23:04)

**08/081/KZKC**

ZKC AIRSPACE R4501A ACT SFC-2199FT  
(24-AUG-2019 05:01 - 24-AUG-2019 11:29. CREATED 23-AUG-2019 23:04)

**08/080/KZKC**

ZKC AIRSPACE R4501F ACT SFC-3200FT  
(24-AUG-2019 23:00 - 25-AUG-2019 05:00. CREATED 23-AUG-2019 23:04)

**08/155/KZKC**

ZKC NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT  
333435N1063456W (TCS055039) FL400-UNL,  
412NM RADIUS AT FL250,  
329NM RADIUS AT 10000FT,  
304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908272000-1908272230  
(PERM. CREATED 23-AUG-2019 22:58)

**08/991/KZKC**

ZKC AIRSPACE R4501H ACT SFC-3200FT  
(24-AUG-2019 05:01 - 25-AUG-2019 05:00. CREATED 23-AUG-2019 05:04)

**08/989/KZKC**

ZKC AIRSPACE R4501F ACT SFC-3200FT  
(24-AUG-2019 05:01 - 24-AUG-2019 11:59. CREATED 23-AUG-2019 05:04)

**08/134/KZKC**

ZKC NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT  
333435N1063456W (TCS055039) FL400-UNL,  
412NM RADIUS AT FL250,  
329NM RADIUS AT 10000FT,  
304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908261900-1908262000  
(PERM. CREATED 22-AUG-2019 19:27)

**08/127/KZKC**

ZKC NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 356NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL

165NM RADIUS AT 50FT AGL  
1908262030-1908262230  
(PERM. CREATED 22-AUG-2019 19:17)

**08/318/KZKC**

ZKC AIRSPACE HIGH SPEED ACFT WI AN AREA DEFINED AS 50NM RADIUS OF EQA  
SFC-10000FT AVOIDANCE ADZ  
(20-AUG-2019 17:00 - 30-SEP-2019 04:00. CREATED 20-AUG-2019 16:14)

**08/316/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 2.63NM RADIUS OF  
363458N0991801W (16NM NE WWR) 2541FT (400FT AGL) NOT LGTD  
(20-AUG-2019 14:14 - 20-SEP-2019 14:14 EST. CREATED 20-AUG-2019 14:16)

**08/309/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3.06NM RADIUS OF  
375222N1001648W (21.2NM E GCK) 3104FT (400FT AGL) NOT LGTD  
(20-AUG-2019 06:19 - 20-SEP-2019 23:59. CREATED 20-AUG-2019 06:29)

**9/3368/KZKC**

ZKC IL..AIRSPACE CHAMPAIGN, IL..TEMPORARY FLIGHT  
RESTRICTIONS WI AN AREA DEFINED AS 1 NM RADIUS OF 395058N/0881631W  
(CHAMPAIGN VORTAC CMI177011.1) SFC-1000FT AGL GAS RELEASE. PURSUANT  
TO 14 CFR SECTION 91.137(A)(1) TEMPORARY FLIGHT RESTRICTIONS ARE IN  
EFFECT. ONLY RELIEF AIRCRAFT OPERATIONS UNDER DIRECTION OF TRUNK  
LINE GAS ARE AUTHORIZED IN THE AIRSPACE. TRUNK LINE GAS TELEPHONE  
317-417-2701 IS IN CHARGE OF ON SCENE EMERGENCY RESPONSE ACTIVITY.  
KANSAS CITY /ZKC/ ARTCC TELEPHONE 913-254-8500 IS THE FAA  
COORDINATION FACILITY.  
(26-AUG-2019 13:00 - 26-AUG-2019 20:00. CREATED 19-AUG-2019 12:12)

**9/2900/KZKC**

ZKC MO..AIRSPACE LAKE OF THE OZARKS, MO..TEMPORARY  
FLIGHT RESTRICTION.  
PURSUANT TO 14 CFR SECTION 91.145, MANAGEMENT OF AIRCRAFT  
OPERATIONS IN THE VICINITY OF AERIAL DEMONSTRATIONS AND MAJOR  
SPORTING EVENTS, AIRCRAFT OPERATIONS ARE PROHIBITED WI AN  
AREA DEFINED AS 3 NM RADIUS OF 380705N0924735W (SHY297010.2)  
SFC-5000FT MSL  
EFFECTIVE 1908241840 UTC UNTIL 1908241900 UTC, AND  
1908251840 UTC UNTIL 1908251900 UTC. DUE TO HIGH  
SPEED AEROBATIC DEMONSTRATION. UNLESS AUTH BY ATC-MIZZU APP 124.1.  
GORDON EVANS, TELEPHONE 816-805-9870, IS THE POINT OF CONTACT. THE  
SPRINGFIELD /SGF/ TRACON, TELEPHONE 417-828-5620, IS THE CDN  
FACILITY.  
1908241840-1908251900  
(PERM. CREATED 17-AUG-2019 15:22)

**08/252/KZKC**

ZKC COM CPDLC AVBL EN ROUTE WITH KUSA  
(16-AUG-2019 17:03 - 31-DEC-2019 23:59. CREATED 16-AUG-2019 17:03)

**08/244/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 10NM RADIUS OF  
355926N0984136W (30.6NM N OJA) 2347FT (400FT AGL) NOT LGTD  
(16-AUG-2019 06:11 - 16-SEP-2019 23:59 EST. CREATED 16-AUG-2019 06:18)

**08/228/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3.47NM RADIUS OF  
373644N1001641W (19.1NM SW DDC) 3166FT (400FT AGL) NOT LGTD  
(15-AUG-2019 20:14 - 15-SEP-2019 16:00. CREATED 15-AUG-2019 20:16)

**08/107/KZKC**

ZKC NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND



ADS-B) MAY NOT BE AVBL WI A 256NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
DLY 1830-2330  
1908191830-1908242330  
(PERM. CREATED 15-AUG-2019 15:22)

**08/152/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 7.5NM RADIUS OF  
363120N1005040W (7.1NM NW PYX) 3347FT (409FT AGL) NOT LGTD  
(11-AUG-2019 18:22 - 11-SEP-2019 23:59. CREATED 11-AUG-2019 18:23)

**08/083/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 8.68NM RADIUS OF  
375628N0951501W (7.8NM NE K88) 3886FT (610FT AGL) NOT LGTD  
(06-AUG-2019 20:25 - 06-SEP-2019 23:59. CREATED 06-AUG-2019 20:41)

**07/362/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 22.5NM RADIUS OF 3767N9812W  
(11.9NM SE PTT) 1796FT (400FT AGL) NOT LGTD  
(24-JUL-2019 13:47 - 24-AUG-2019 23:59. CREATED 24-JUL-2019 13:51)

**06/570/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4NM RADIUS OF  
372140N0981434W (10.77NM WNW 8K2) 2099FT (426FT AGL) NOT LGTD  
(30-JUN-2019 21:16 - 31-DEC-2019 23:59. CREATED 30-JUN-2019 21:16)

**06/569/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4NM RADIUS OF  
372058N0982117W (8.79NM NE 8K2) 2167FT (426FT AGL) NOT LGTD  
(30-JUN-2019 21:16 - 31-DEC-2019 23:59. CREATED 30-JUN-2019 21:16)

**06/568/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4NM RADIUS OF  
372222N0980842W (7.53NM NW 8K2) 2076FT (426FT AGL) NOT LGTD  
(30-JUN-2019 21:15 - 31-DEC-2019 23:59. CREATED 30-JUN-2019 21:15)

**06/544/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 5NM RADIUS OF  
361814N0973331W (11NM SE WDG) 1631FT (400FT AGL) NOT LGTD  
(28-JUN-2019 10:06 - 31-AUG-2019 17:00. CREATED 28-JUN-2019 10:08)

**9/9421/KZKC**

ZKC MO..ROUTE ZKC.  
V159 HODEN, MO TO NAPOLEON (ANX) VORTAC, MO MOCA 2900.  
1905171549-2105171549EST  
(PERM. CREATED 17-MAY-2019 15:49)

**9/3183/KZKC**

ZKC ROUTE ZKC ZAU.  
V206 KIRKSVILLE (IRK) VORTAC, MO TO OTTUMWA (OTM) VOR/DME, IA MEA  
3100.  
1905071219-2105071219EST  
(PERM. CREATED 07-MAY-2019 12:23)

**04/128/KZKC**

ZKC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 6NM RADIUS OF  
361758N0973422W (11.5NM SE WDG) 1702FT (486FT AGL) NOT LGTD  
(09-APR-2019 21:22 - 30-APR-2020 23:59. CREATED 09-APR-2019 21:23)

**9/7898/KZKC**

ZKC KS..ROUTE ZKC ZMP.  
V551 SALINA (SLN) VORTAC, KS TO MANKATO (TKO) VORTAC, KS MEA 6000.  
1901291852-2101291852EST  
(PERM. CREATED 29-JAN-2019 18:52)

**01/035/KZKC**

ZKC AIRSPACE HIGH SPEED ACFT WITHIN AN AREA DEFINED AS UIN357045 TO UIN077071  
TO UIN079107 TO UIN093100 TO UIN112085 UIN171053 TO UIN217037 TO UIN253057 TO  
UIN280063 TO POINT OF ORIGIN SFC-10000FT DLY SR-SS  
(03-JAN-2019 13:00 - 31-DEC-2019 23:00. CREATED 02-JAN-2019 15:30)

**01/034/KZKC**

ZKC AIRSPACE HIGH SPEED ACFT WITHIN AN AREA DEFINED AS  
MAP021060 TO FAM022028 TO FAM107045 TO FAM206035 TO MAP214053 TO  
MAP268035 TO MAP287044 TO MAP316036 TO MAP347040 TO MAP011049 TO  
POINT OF ORIGIN SFC-10000FT DLY SR-SS  
(03-JAN-2019 13:00 - 31-DEC-2019 23:00. CREATED 02-JAN-2019 15:29)

**8/3042/KZKC**

ZKC IA..ROUTE ZKC ZAU.  
J233 KIRKSVILLE (IRK) VORTAC, MO TO WATERLOO (ALO) VOR/DME, IA MAA  
27000 EXCEPT FOR AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH  
GPS.  
1812191553-2012191553EST  
(PERM. CREATED 19-DEC-2018 15:54)

**8/4431/KZKC**

ZKC KS..ROUTE ZKC.  
V234 FLACK INT, KS TO BYWAY INT, KS MOCA 4100.  
1810031523-2010181523EST  
(PERM. CREATED 03-OCT-2018 15:25)

**KZAB (ALBUQUERQUE FIR)**

**08/089/KZAB**

ZAB AIRSPACE R5103A ACT SFC-15000FT  
(24-AUG-2019 06:00 - 25-AUG-2019 06:00. CREATED 24-AUG-2019 00:04)

**08/088/KZAB**

ZAB AIRSPACE R5103C ACT SFC-FL250  
(24-AUG-2019 06:00 - 25-AUG-2019 06:00. CREATED 24-AUG-2019 00:04)

**08/087/KZAB**

ZAB AIRSPACE R5103B ACT SFC-FL250  
(24-AUG-2019 06:00 - 25-AUG-2019 06:00. CREATED 24-AUG-2019 00:04)

**08/086/KZAB**

ZAB AIRSPACE R5107K ACT SFC-FL250  
(24-AUG-2019 06:00 - 25-AUG-2019 06:00. CREATED 24-AUG-2019 00:04)

**08/151/KZAB**

ZAB NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT  
333435N1063456W (TCS055039) FL400-UNL,  
412NM RADIUS AT FL250,  
329NM RADIUS AT 10000FT,  
304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908272000-1908272230  
(PERM. CREATED 23-AUG-2019 22:57)

**9/7290/KZAB**

ZAB NM..AIRSPACE FORT WINGATE, NM..TEMPORARY FLIGHT

RESTRICTIONS WI AN AREA DEFINED AS 3 NM RADIUS OF 352557N1083705W (GALLUP VORTAC GUP088012.7) SFC-11000FT EXPLOSIVE DEMOLITION. PURSUANT TO 14 CFR SECTION 91.137(A)(1) TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. ONLY RELIEF ACFT OPS UNDER DIRECTION OF ARMY CORPS OF ENGINEERS/SCOTT LEATHERBERRY ARE AUTH IN THE AIRSPACE. ARMY CORPS OF ENGINEERS/SCOTT LEATHERBERRY, TELEPHONE 724-984-9397, IS IN CHARGE OF ON SCENE EMERG RESPONSE ACT. ALBUQUERQUE /ZAB/ ARTCC, TELEPHONE 505-856-4591, IS THE FAA CDN FACILITY. 1908241200-1908242200 (PERM. CREATED 23-AUG-2019 21:46)

**9/7276/KZAB**

ZAB AZ..AIRSPACE 22 NM NORTH OF PRESCOTT, AZ..TEMPORARY FLIGHT RESTRICTIONS WI AN AREA BOUNDED BY 345344N/1124202W (DRAKE VORTAC DRK303015.9) TO 344440N/1124054W (DRAKE VORTAC DRK270010.3) TO 344230N/1124150W (DRAKE VORTAC DRK258010.7) TO 343433N/1125300W (DRAKE VORTAC DRK235021.3) TO 343936N/1130045W (DRAKE VORTAC DRK250026.5) TO 345333N/1130112W (DRAKE VORTAC DRK279029.0) BACK TO THE ORIGINAL POINT SFC-9000FT TO PROVIDE A SAFE ENVIRONMENT FOR FIRE FIGHTING AIRCRAFT OPERATIONS. PURSUANT TO 14 CFR SECTION 91.137(A)(2) TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. SOUTHWEST COORDINATION CENTER, TELEPHONE 505-842-3473 OR FREQ 119.0500/SHERIDAN FIRE, IS IN CHARGE OF THE OPERATION. ALBUQUERQUE /ZAB/ ARTCC, TELEPHONE 505-856-4591, IS THE FAA COORDINATION FACILITY. DLY 1300-0700 (24-AUG-2019 13:00 - 24-OCT-2019 07:00. CREATED 23-AUG-2019 21:32)

**08/143/KZAB**

ZAB NAV GPS (YPG GPS 19-20) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 280NM RADIUS CENTERED AT 332345N1142143W (BLH110023) FL400-UNL, 225NM RADIUS AT FL250, 166NM RADIUS AT 10000FT, 156NM RADIUS AT 4000FT AGL, 116NM RADIUS AT 50FT AGL. DLY 0900-1300 1908270900-1908291300 (PERM. CREATED 23-AUG-2019 21:25)

**08/223/KZAB**

ZAB AIRSPACE TOMBSTONE B MOA AERIAL REFUELING ACT 8000FT UP AND INCLUDING 10000FT (28-AUG-2019 02:00 - 28-AUG-2019 07:00. CREATED 23-AUG-2019 17:14)

**08/222/KZAB**

ZAB AIRSPACE PLAYAS TEMPORARY MOA ACT 300FT UP TO BUT NOT INCLUDING FL180 (28-AUG-2019 02:00 - 28-AUG-2019 07:00. CREATED 23-AUG-2019 17:08)

**08/220/KZAB**

ZAB AIRSPACE UAS WI AN AREA DEFINED AS 2.5NM EITHER SIDE OF A LINE FM KLRU TO KDMN TO KLRU SFC-12500FT MON-WED 1300-2200 (26-AUG-2019 13:00 - 28-AUG-2019 22:00. CREATED 23-AUG-2019 16:27)

**08/057/KZAB**

ZAB AIRSPACE R2310A ACT SFC-10000FT (25-AUG-2019 14:00 - 26-AUG-2019 05:00. CREATED 23-AUG-2019 14:04)

**08/137/KZAB**

ZAB NAV GPS (NTTR GPS 19-13) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 377NM RADIUS CENTERED AT 371416N1155125W (BTY046050) FL400-UNL, 319NM RADIUS AT FL250, 256NM RADIUS AT 10000FT,

218NM RADIUS AT 4000FT AGL,  
183NM RADIUS AT 50FT AGL.  
1908262000-1908262230  
(PERM. CREATED 23-AUG-2019 06:00)

**08/130/KZAB**

ZAB NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT  
333435N1063456W (TCS055039) FL400-UNL,  
412NM RADIUS AT FL250,  
329NM RADIUS AT 10000FT,  
304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908261900-1908262000  
(PERM. CREATED 22-AUG-2019 19:27)

**08/123/KZAB**

ZAB NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 356NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
1908262030-1908262230  
(PERM. CREATED 22-AUG-2019 19:16)

**08/206/KZAB**

ZAB AIRSPACE UNMANNED ROCKET WI AN AREA DEFINED AS 4NM RADIUS OF PNH293034  
SFC-FL200  
(24-AUG-2019 16:00 - 24-AUG-2019 22:00. CREATED 22-AUG-2019 18:11)

**08/205/KZAB**

ZAB AIRSPACE UNMANNED ROCKET WI AN AREA DEFINED AS 4NM RADIUS OF PNH293034  
SFC-FL450  
(24-AUG-2019 14:00 - 24-AUG-2019 16:00. CREATED 22-AUG-2019 18:11)

**08/896/KZAB**

ZAB AIRSPACE R2310A ACT SFC-10000FT  
(24-AUG-2019 14:00 - 25-AUG-2019 05:00. CREATED 22-AUG-2019 14:04)

**08/171/KZAB**

ZAB OBST WIND TURBINE FARM WI AN AREA DEFINED AS 6NM RADIUS OF  
353914N1003220W (6.3NM SE 3E0) 3450FT (405FT AGL) NOT LGTD  
(20-AUG-2019 09:34 - 20-SEP-2019 23:59. CREATED 20-AUG-2019 09:34)

**08/150/KZAB**

ZAB SVC FORT HUACHUCA APP OPN CTC FHU AT 254.35, 127.05 MON 0600-0700  
(19-AUG-2019 06:00 - 28-OCT-2019 07:00. CREATED 16-AUG-2019 22:34)

**08/103/KZAB**

ZAB NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 256NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
DLY 1830-2330  
1908191830-1908242330  
(PERM. CREATED 15-AUG-2019 15:22)

**08/122/KZAB**

ZAB OBST WIND TURBINE FARM WI AN AREA DEFINED AS 7.12NM RADIUS OF

343744N1040338W (13.5NM NE FSU) 5315FT (400FT AGL) NOT LGTD  
(13-AUG-2019 18:38 - 13-SEP-2019 23:59 EST. CREATED 13-AUG-2019 18:43)

**08/075/KZAB**

ZAB OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3NM RADIUS OF  
342748N1055739W (14.5NM SE M10) 7050FT (400FT AGL) NOT LGTD  
(08-AUG-2019 17:45 - 08-SEP-2019 23:59. CREATED 08-AUG-2019 17:45)

**07/236/KZAB**

ZAB AIRSPACE AEROBATIC AREA WI AN AREA DEFINED AS 3NM RADIUS OF PXR321025  
(8NM NW DVT) SFC-4500FT CTC 122.75 DLY SR-SS  
(25-JUL-2019 12:35 - 02-JAN-2020 00:31. CREATED 24-JUL-2019 14:53)

**07/214/KZAB**

ZAB AIRSPACE UAS WI AN AREA DEFINED AS 30NM RADIUS OF VHN SFC-13000FT DLY  
2300-0800  
(23-JUL-2019 23:00 - 01-OCT-2019 08:00. CREATED 23-JUL-2019 01:21)

**06/167/KZAB**

ZAB AIRSPACE UAS WI AN AREA DEFINED AS 2NM EITHER SIDE OF A LINE FM EWM345008  
TO BWS179025 SFC-7000FT  
(14-JUN-2019 15:39 - 31-DEC-2019 23:59. CREATED 14-JUN-2019 15:39)

**9/3323/KZAB**

ZAB AZ..ROUTE ZAB.  
V257 COYOT, AZ TO MAIER, AZ MEA 14000, RETAIN GNSS MEA 9000.  
V257 MAIER, AZ MCA 14000 SOUTHEASTBOUND.  
V257 DRAKE (DRK) VORTAC, AZ MCA V257 12000 SOUTHEASTBOUND.  
V257 PHOENIX (PXR) VORTAC, AZ MCA V257 9400 NORTHWESTBOUND.  
PXR VOR R-336 UNUSABLE BELOW 14000 BEYOND 45 NM, R-336 RESTRICTION.  
1905241604-2105241604EST  
(PERM. CREATED 24-MAY-2019 16:05)

**9/8777/KZAB**

ZAB AZ..ROUTE ZAB.  
V190 GRINE, AZ TO PEAKS, AZ MOCA 7200.  
1905161516-2105161516EST  
(PERM. CREATED 16-MAY-2019 15:16)

**02/148/KZAB**

ZAB AIRSPACE PJE WI AN AREA DEFINED AS 15NM RADIUS OF MZJ SFC-FL250  
(19-FEB-2019 18:26 - 19-FEB-2020 17:29. CREATED 19-FEB-2019 18:26)

**02/131/KZAB**

ZAB AIRSPACE PJE WI AN AREA DEFINED AS 3NM RADIUS OF PXR191024.3 (AZ43)  
SFC-16000FT DLY 1200-0300  
(19-FEB-2019 12:00 - 01-JAN-2020 03:00. CREATED 18-FEB-2019 20:00)

**01/153/KZAB**

ZAB AIRSPACE UAS WI AN AREA DEFINED AS 25NM EITHER SIDE OF A LINE FM  
SS0330046 TO SS0182057 SFC-15000FT AGL  
(17-JAN-2019 15:52 - 31-DEC-2019 23:59. CREATED 17-JAN-2019 15:52)

**12/139/KZAB**

ZAB AIRSPACE PJE WI AN AREA DEFINED AS 10NM RADIUS OF TFD125018 (10NM SW E60)  
SFC-17999FT  
(19-DEC-2018 10:00 - 31-DEC-2019 01:00. CREATED 18-DEC-2018 20:24)

**12/138/KZAB**

ZAB AIRSPACE PJE WI AN AREA DEFINED AS 10NM RADIUS OF TFD094017 (E60)  
SFC-17999FT DLY 1100-0100  
(19-DEC-2018 11:00 - 31-DEC-2019 01:00. CREATED 18-DEC-2018 20:22)

**12/137/KZAB**

ZAB AIRSPACE PJE WI AN AREA DEFINED AS 10NM RADIUS OF TFD094024.4 (8NM E E60 ) SFC-11500FT DLY 1300-0100  
(19-DEC-2018 13:00 - 31-DEC-2019 01:00. CREATED 18-DEC-2018 20:21)

**8/7720/KZAB**

ZAB TX..ROUTE ZAB ZFW.  
V14 WINNS INT, TX TO CAPRO INT, NM MRA 9000.  
LBB VORTAC UNUSABLE BELOW 9000.  
(15-NOV-2018 21:39 - 15-NOV-2020 21:33 EST. CREATED 15-NOV-2018 21:40)

**8/7309/KZAB**

ZAB AZ..ROUTE ZAB.  
V257 KACEE, AZ MRA 11000.  
1811151555-2011151553EST  
(PERM. CREATED 15-NOV-2018 15:56)

**2/8644/KZAB**

ZAB NM.. DUE TO THE LACK OF TERRAIN AND OBSTACLE CLEARANCE DATA, ACCURATE AUTOMATION DATA BASES ARE NOT AVAILABLE FOR PROVIDING MINIMUM SAFE ALTITUDE WARNING INFORMATION TO AIRCRAFT OVERFLYING MEXICO. AIR TRAFFIC FACILITIES ALONG THE UNITED STATES/MEXICO BORDER HAVE INHIBITED MINIMUM SAFE ALTITUDE WARNING COMPUTER PROGRAMS FOR AIRCRAFT OPERATING IN MEXICAN AIRSPACE UNTIL ACCURATE TERRAIN DATA CAN BE OBTAINED.  
(PERM. CREATED 19-AUG-2002 21:28)

**KZDV (DENVER FIR)**

**08/235/KZDV**

ZDV AIRSPACE R2601A ACT SFC-12499FT  
(24-AUG-2019 06:01 - 26-AUG-2019 10:59. CREATED 24-AUG-2019 00:04)

**08/509/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4NM RADIUS OF 424057N1055326W (23NM WSW DGW) UNKNOWN (400FT AGL) NOT LGTD  
(23-AUG-2019 22:59 - 30-AUG-2019 23:59. CREATED 23-AUG-2019 22:59)

**08/152/KZDV**

ZDV NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT 333435N1063456W (TCS055039) FL400-UNL,  
412NM RADIUS AT FL250,  
329NM RADIUS AT 10000FT,  
304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908272000-1908272230  
(PERM. CREATED 23-AUG-2019 22:57)

**08/144/KZDV**

ZDV NAV GPS (YPG GPS 19-20) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 280NM RADIUS CENTERED AT 332345N1142143W (BLH110023) FL400-UNL,  
225NM RADIUS AT FL250,  
166NM RADIUS AT 10000FT,  
156NM RADIUS AT 4000FT AGL,  
116NM RADIUS AT 50FT AGL.  
DLY 0900-1300  
1908270900-1908291300  
(PERM. CREATED 23-AUG-2019 21:25)

**08/207/KZDV**

ZDV AIRSPACE R7001A ACT SFC-7999FT

(24-AUG-2019 14:00 - 25-AUG-2019 07:00. CREATED 23-AUG-2019 14:04)

**08/206/KZDV**

ZDV AIRSPACE R7001B ACT 8000FT-FL235

(24-AUG-2019 14:00 - 25-AUG-2019 07:00. CREATED 23-AUG-2019 14:04)

**08/138/KZDV**

ZDV NAV GPS (NTTR GPS 19-13) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 377NM RADIUS CENTERED AT 371416N1155125W (BTY046050) FL400-UNL,

319NM RADIUS AT FL250,

256NM RADIUS AT 10000FT,

218NM RADIUS AT 4000FT AGL,

183NM RADIUS AT 50FT AGL.

1908262000-1908262230

(PERM. CREATED 23-AUG-2019 06:01)

**08/131/KZDV**

ZDV NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT

333435N1063456W (TCS055039) FL400-UNL,

412NM RADIUS AT FL250,

329NM RADIUS AT 10000FT,

304NM RADIUS AT 4000FT AGL,

300NM RADIUS AT 50FT AGL.

1908261900-1908262000

(PERM. CREATED 22-AUG-2019 19:27)

**08/124/KZDV**

ZDV NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND

ADS-B) MAY NOT BE AVBL WI A 356NM RADIUS CENTERED AT 333413N1063452W (TCS055039) FL400-UNL.

299NM RADIUS AT FL250

237NM RADIUS AT 10000FT

207NM RADIUS AT 400FT AGL

165NM RADIUS AT 50FT AGL

1908262030-1908262230

(PERM. CREATED 22-AUG-2019 19:16)

**08/482/KZDV**

ZDV AIRSPACE UNMANNED ROCKET WI AN AREA DEFINED AS 1.5NM RADIUS OF FCS283048 SFC-FL230

(25-AUG-2019 14:00 - 25-AUG-2019 23:00. CREATED 22-AUG-2019 16:45)

**08/430/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 8.35NM RADIUS OF 392351N1033809W (35NM NNE 35CO) 6049FT (400FT AGL) NOT LGTD

(20-AUG-2019 14:30 - 20-SEP-2019 23:59 EST. CREATED 20-AUG-2019 14:32)

**9/3411/KZDV**

ZDV CO..AIRSPACE MORRISON, CO..LASER LGT DEMONSTRATION

WI AN AREA DEFINED AS RED ROCKS AMPHITHEATER, 18300 W ALAMEDA PKWY, MORRISON, CO OR 393956N1051219W OR THE JEFFCO /BJC/ VORTAC 181

RADIAL AT 15NM, SFC-8967FT AGL. LASER LIGHT BEAM MAY BE INJURIOUS

TO PILOTS/PASSENGERS EYES WI 580FT VERTICALLY OR 1160FT LATERALLY OF

THE LGT SOURCE. FLASH BLINDNESS OR COCKPIT ILLUMINATION MAY OCCUR

BEYOND THESE DISTANCES. DENVER TRACON /D01/ TELEPHONE 303-342-1590

IS THE FAA COORDINATION FACILITY

(25-AUG-2019 02:00 - 25-AUG-2019 06:00. CREATED 19-AUG-2019 13:09)

**08/394/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3NM RADIUS OF

390458N1040103W (19.7NM NE LIC) 6246FT (400FT AGL) NOT LGTD

(19-AUG-2019 03:30 - 15-SEP-2019 23:00. CREATED 19-AUG-2019 03:30)

**08/104/KZDV**

ZDV NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 256NM RADIUS CENTERED AT 333413N1063452W (TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
DLY 1830-2330  
1908191830-1908242330  
(PERM. CREATED 15-AUG-2019 15:22)

**08/276/KZDV**

ZDV OBST TOWER LGT (ASR 1309251) 390351.33N1011416.25W (19.7NM W OEL) 3320FT (300FT AGL) U/S  
(12-AUG-2019 17:58 - 12-SEP-2019 23:59. CREATED 12-AUG-2019 17:59)

**08/172/KZDV**

ZDV AIRSPACE AIRDROP WI AN AREA DEFINED AS 3NM EITHER SIDE OF LINE FM HG0193025 TO HG0206018 TO HG0260010 TO HG0274010 TO HG0269023 SFC-8000FT AVOIDANCE ADZ DLY 1600-2200  
(08-AUG-2019 16:00 - 07-AUG-2020 22:00. CREATED 07-AUG-2019 20:26)

**08/171/KZDV**

ZDV AIRSPACE AIRDROP WI AN AREA DEFINED AS 3NM EITHER SIDE OF LINE FM HG0193025 TO HG0206018 TO HG0260010 TO HG0274010 TO HG0269023 SFC-8000FT AVOIDANCE ADZ DLY 0001-0500  
(08-AUG-2019 00:01 - 07-AUG-2020 05:00. CREATED 07-AUG-2019 20:25)

**08/459/KZDV**

ZDV AIRSPACE R2601B ACT 12500FT UP TO BUT NOT INCLUDING FL225  
(03-AUG-2019 06:00 - 01-SEP-2019 06:00. CREATED 03-AUG-2019 00:04)

**08/067/KZDV**

ZDV SVC CASPER APP CLSD CTC DENVER ARTCC 135.6 OR 363.025 SUN 1100-1600  
(04-AUG-2019 11:00 - 25-AUG-2019 16:00. CREATED 02-AUG-2019 18:51)

**08/296/KZDV**

ZDV AIRSPACE R2601C ACT FL225 UP TO BUT NOT INCLUDING FL350  
(03-AUG-2019 06:00 - 01-SEP-2019 06:00. CREATED 02-AUG-2019 06:04)

**07/765/KZDV**

ZDV AIRSPACE SMALL ARMS FIRING WI AN AREA DEFINED AS 422502N1045414W (8.2NM SE 76V) TO 422502N1045242W (9.2NM SE 76V) TO 422007N1045225W (7.6NM NW GUR) TO 422007N1045415W (8.8NM NW GUR) TO POINT OF ORIGIN SFC-8500FT  
(01-AUG-2019 14:00 - 31-AUG-2019 07:00. CREATED 31-JUL-2019 18:30)

**07/764/KZDV**

ZDV AIRSPACE SMALL ARMS FIRING WI AN AREA DEFINED AS 422000.10N1045231.74W (7.5NM NW GUR) TO 422000.14N1045438.11W (9NM NW GUR) TO 422907.12N1045437.75W (15.5NM NW GUR) TO 422907.34N1045231.42W (14.8NM NW GUR) TO POINT OF ORIGIN SFC-8500FT  
(01-AUG-2019 14:00 - 31-AUG-2019 07:00. CREATED 31-JUL-2019 18:29)

**07/763/KZDV**

ZDV AIRSPACE SMALL ARMS FIRING WI AN AREA DEFINED AS 421538N1044515W (1.2NM S GUR) TO 421440N1044316W (1.0NM S GUR) TO 421014N1044529W (6.5NM S GUR) TO 421022N1045208W (7.3NM SW GUR) TO 421420N1045208W (5.9NM SW GUR) TO POINT OF ORIGIN SFC-8500FT  
(01-AUG-2019 14:00 - 31-AUG-2019 07:00. CREATED 31-JUL-2019 18:28)

**07/717/KZDV**

ZDV AIRSPACE UAS WI AN AREA DEFINED AS 7NM RADIUS OF DDY050040 (35NM N DWG)



SFC-150FT AGL  
(30-JUL-2019 14:00 - 02-SEP-2019 23:00. CREATED 30-JUL-2019 02:18)

**9/7979/KZDV**

ZDV CO..ROUTE ZDV.  
V356 FIDLE INT, CO TO ELORE INT, CO NA EXCEPT FOR ACFT EQUIPPED  
WITH SUITABLE RNAV SYSTEM WITH GPS.  
1907251425-2107251424EST  
(PERM. CREATED 25-JUL-2019 14:25)

**07/599/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3NM  
RADIUS OF 415436N1063148W (12.6NM S 80V) 7161FT (414FT AGL) NOT LGTD  
1907241100-1912312359  
(PERM. CREATED 23-JUL-2019 20:49)

**06/725/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4NM RADIUS OF  
405446N1034910W (17.7NM SSW IBM) 5666FT (410FT AGL) NOT LGTD  
(30-JUN-2019 21:10 - 31-DEC-2019 23:59. CREATED 30-JUN-2019 21:10)

**06/724/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 5NM RADIUS OF  
405640N1034427W (14.9NM S IBM) 5543FT (389FT AGL) NOT LGTD  
(30-JUN-2019 21:10 - 31-DEC-2019 23:59. CREATED 30-JUN-2019 21:10)

**06/267/KZDV**

ZDV AIRSPACE HOT AIR BALLOON WI AN AREA DEFINED AS 20NM RADIUS OF  
434356N1033645W (CUT) 500FT-4000FT AGL DLY 1100-1500  
(13-JUN-2019 11:00 - 30-SEP-2019 15:00. CREATED 12-JUN-2019 17:05)

**9/3165/KZDV**

ZDV SD..AIRSPACE CRAZY HORSE, SD.. LASER LGT  
DEMONSTRATION WILL BE CONDUCTED AT CRAZY HORSE MEMORIAL WI AN AREA  
DEFINED AS 435001N1033737W OR THE RAPID CITY /RAP/ VORTAC 239 DEGREE  
RADIAL AT 28NM. LASER LGT BEAMS WILL BE TERMINATED IF NON  
PARTICIPATING ACFT ARE DETECTED ENTERING THE AFFECTED AREA. LASER  
LGT BEAMS MAY BE INJUROUS TO PILOTS /PASSENGERS EYES WI 500FT  
VERTICALLY AND 1900FT Laterally OF THE LGT SOURCE. FLASH BLINDNESS  
OR COCKPIT ILLUMINATION MAY OCCUR BEYOND THESE DISTANCES. ELLSWORTH  
AFB /RCA/ TERMINAL APCH CTL PHONE 605-385-6199 IS THE FAA CDN  
FACILITY DLY 0100-0500  
1905250100-1910010500  
(PERM. CREATED 24-MAY-2019 12:32)

**05/252/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3.2NM RADIUS OF  
415651.80N1062300.23W (9.4NM NW 80V) 7433FT (414FT AGL) LGTD  
(10-MAY-2019 21:44 - 31-DEC-2019 23:59. CREATED 10-MAY-2019 21:45)

**05/170/KZDV**

ZDV OBST TOWER LGT (ASR 1303651) 385040.70N1014637.60W (22.8NM N 5K2) 4002FT  
(300FT AGL) U/S  
(07-MAY-2019 21:15 - 07-NOV-2019 23:59. CREATED 07-MAY-2019 21:15)

**05/169/KZDV**

ZDV OBST TOWER LGT (ASR 1303653) 394650.20N1012219.70W (7.7NM NE 5K0) 3607FT  
(240FT AGL) OUT OF SERVICE  
(07-MAY-2019 21:13 - 07-NOV-2019 23:59. CREATED 07-MAY-2019 21:14)

**03/926/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 10NM RADIUS OF  
430326N1054958W (22NM NE HAD) 6786FT (414FT AGL) NOT LGTD  
(29-MAR-2019 16:17 - 31-DEC-2019 23:59. CREATED 29-MAR-2019 16:17)

**9/2474/KZDV**

ZDV KS..ROUTE ZDV.  
V108 GOODLAND (GLD) VORTAC, KS TO HUGO (HGO) VOR/DME, CO MOCA 6700.  
1903261656-2103261655EST  
(PERM. CREATED 26-MAR-2019 16:56)

**9/8280/KZDV**

ZDV CO..ROUTE ZDV.  
V382 CONES (ETL) VOR/DME, CO MCA 14200 SOUTHEASTBOUND.  
1902251913-2102251912EST  
(PERM. CREATED 25-FEB-2019 19:13)

**01/664/KZDV**

ZDV AIRSPACE UAS WI AN AREA DEFINED AS 9NM RADIUS OF IIP353021 (16NM NE DGW)  
SFC-400FT AGL  
(24-JAN-2019 14:29 - 30-SEP-2019 22:00. CREATED 24-JAN-2019 14:29)

**9/2145/KZDV**

ZDV NM..ROUTE ZDV.  
V187 MISSY, NM TO RATTLESNAKE (RSK) VORTAC, NM DUAL MEA 9000  
NORTHWEST BOUND 11000 SOUTHEAST BOUND.  
1901081547-2101081546EST  
(PERM. CREATED 08-JAN-2019 15:49)

**8/5186/KZDV**

ZDV CO..ROUTE ZDV.  
V220 HABRO, CO MCA 11300 SOUTHEASTBOUND.  
1812271740-2012271740EST  
(PERM. CREATED 27-DEC-2018 17:40)

**8/5181/KZDV**

ZDV CO..ROUTE ZDV.  
V328 HABRO, CO MCA 11300 SOUTHEASTBOUND.  
1812271728-2012271728EST  
(PERM. CREATED 27-DEC-2018 17:30)

**8/3023/KZDV**

ZDV NE..ROUTE ZDV.  
V219 HAYES CENTER (HCT) VORTAC, NE R-048 TO YOZLE INT, NE MEA 7000.  
1812191540-2012191540EST  
(PERM. CREATED 19-DEC-2018 15:41)

**12/235/KZDV**

ZDV OBST WIND TURBINE FARM WI AN AREA DEFINED AS 1NM RADIUS OF  
405945N1044826W (10NM S CYS) 6331FT (291FT AGL) NOT LGTD  
(12-DEC-2018 20:29 - 12-DEC-2019 23:59. CREATED 12-DEC-2018 20:29)

**KZLC (SALT LAKE CITY FIR)**

**08/258/KZLC**

ZLC AIRSPACE R6412C ACT SFC-9000FT  
(24-AUG-2019 12:00 - 25-AUG-2019 00:01. CREATED 24-AUG-2019 06:04)

**08/264/KZLC**

ZLC AIRSPACE R6412A ACT SFC-9000FT  
(24-AUG-2019 12:00 - 25-AUG-2019 00:01. CREATED 24-AUG-2019 06:04)

**08/249/KZLC**

ZLC AIRSPACE REVEILLE SOUTH MOA ACT 100FT UP TO BUT NOT INCLUDING FL180  
(24-AUG-2019 07:00 - 24-AUG-2019 12:30. CREATED 24-AUG-2019 01:04)

**08/252/KZLC**

ZLC AIRSPACE REVEILLE NORTH MOA ACT 100FT UP TO BUT NOT INCLUDING FL180  
(24-AUG-2019 07:00 - 24-AUG-2019 12:30. CREATED 24-AUG-2019 01:04)

**08/157/KZLC**

ZLC NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT  
333435N1063456W (TCS055039) FL400-UNL,  
412NM RADIUS AT FL250,  
329NM RADIUS AT 10000FT,  
304NM RADIUS AT 4000FT AGL,  
300NM RADIUS AT 50FT AGL.  
1908272000-1908272230  
(PERM. CREATED 23-AUG-2019 22:58)

**08/223/KZLC**

ZLC AIRSPACE REVEILLE SOUTH MOA ACT 100FT UP TO BUT NOT INCLUDING FL180  
(24-AUG-2019 04:00 - 24-AUG-2019 12:30. CREATED 23-AUG-2019 22:04)

**08/222/KZLC**

ZLC AIRSPACE REVEILLE NORTH MOA ACT 100FT UP TO BUT NOT INCLUDING FL180  
(24-AUG-2019 04:00 - 24-AUG-2019 12:30. CREATED 23-AUG-2019 22:04)

**08/146/KZLC**

ZLC NAV GPS (YPG GPS 19-20) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 280NM RADIUS CENTERED AT 332345N1142143W  
(BLH110023) FL400-UNL,  
225NM RADIUS AT FL250,  
166NM RADIUS AT 10000FT,  
156NM RADIUS AT 4000FT AGL,  
116NM RADIUS AT 50FT AGL.  
DLY 0900-1300  
1908270900-1908291300  
(PERM. CREATED 23-AUG-2019 21:25)

**9/6855/KZLC**

ZLC UT..AIRSPACE WEST VALLEY CITY, UT LASER LGT  
DEMONSTRATION WI AN AREA DEFINED AS USANA AMPHITHEATRE, 403928N  
1120207W OR THE WASATCH TCH VORTAC 176 RADIAL AT 12NM, SFC-4052.  
LASER LGT BEAMS MAY BE INJURIOUS TO PILOTS/PASSENGERS EYES WI  
328FT VERTICALLY OR 2445 FT LATERALLY OF THE LGT SOURCE. FLASH  
BLINDNESS OR COCKPIT ILLUMINATION MAY OCCUR BEYOND THESE DISTANCES.  
SALT LAKE /S56/ TRACON TELEPHONE 801-325-9670 IS THE FAA  
CDN FACILITY  
(31-AUG-2019 03:00 - 31-AUG-2019 05:00. CREATED 23-AUG-2019 13:43)

**08/140/KZLC**

ZLC NAV GPS (NTTR GPS 19-13) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 377NM RADIUS CENTERED AT 371416N1155125W  
(BTY046050) FL400-UNL,  
319NM RADIUS AT FL250,  
256NM RADIUS AT 10000FT,  
218NM RADIUS AT 4000FT AGL,  
183NM RADIUS AT 50FT AGL.  
1908262000-1908262230  
(PERM. CREATED 23-AUG-2019 06:01)

**9/6665/KZLC**

ZLC OR..AIRSPACE 15 NM SE OF PRAIRIE CITY, OR..TEMPORARY  
FLIGHT RESTRICTIONS WI AN AREA BOUNDED BY  
442036N/1183420W (BAKER CITY VOR/DME BKE208044.3) TO  
442134N/1182247W (BAKER CITY VOR/DME BKE200037.9) TO  
441141N/1181720W (BAKER CITY VOR/DME BKE188043.9) TO  
441257N/1183054W (BAKER CITY VOR/DME BKE199048.2) BACK TO THE  
ORIGINAL POINT SFC-12000FT TO PROVIDE A SAFE ENVIRONMENT FOR FIRE

FIGHTING AIRCRAFT OPERATIONS. PURSUANT TO 14 CFR SECTION 91.137(A)(2) TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. THE MALHEUR NATIONAL FOREST, TELEPHONE 541-575-1321 OR FREQ 118.225/204 COW FIRE, IS IN CHARGE OF THE OPERATION. SALT LAKE CITY /ZLC/ ARTCC, TELEPHONE 801-320-2560, IS THE FAA COORDINATION FACILITY.

DLY 1600-0400

1908231600-1910010400

(PERM. CREATED 23-AUG-2019 01:19)

**08/101/KZLC**

ZLC AIRSPACE UAS WI AN AREA DEFINED AS 3NM RADIUS OF

465013N1144621W (16.1NM NE C64) SFC-600FT AGL DLY SR-SS

(23-AUG-2019 12:47 - 01-SEP-2019 02:21. CREATED 22-AUG-2019 22:51)

**08/136/KZLC**

ZLC NAV GPS (WSMR GPS 19-10) (INCLUDING WAAS, GBAS, AND

ADS-B) MAY NOT BE AVBL WI A 447NM RADIUS CENTERED AT

333435N1063456W (TCS055039) FL400-UNL,

412NM RADIUS AT FL250,

329NM RADIUS AT 10000FT,

304NM RADIUS AT 4000FT AGL,

300NM RADIUS AT 50FT AGL.

1908261900-1908262000

(PERM. CREATED 22-AUG-2019 19:27)

**08/129/KZLC**

ZLC NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND

ADS-B) MAY NOT BE AVBL WI A 356NM RADIUS CENTERED AT 333413N1063452W

(TCS055039) FL400-UNL.

299NM RADIUS AT FL250

237NM RADIUS AT 10000FT

207NM RADIUS AT 400FT AGL

165NM RADIUS AT 50FT AGL

1908262030-1908262230

(PERM. CREATED 22-AUG-2019 19:17)

**08/825/KZLC**

ZLC AIRSPACE LGT OUT/NIGHT VISION GOGGLE TRAINING REVEILLE SOUTH MOA ACT

100FT UP TO BUT NOT INCLUDING FL180

(24-AUG-2019 07:00 - 24-AUG-2019 12:30. CREATED 22-AUG-2019 07:04)

**08/824/KZLC**

ZLC AIRSPACE LGT OUT/NIGHT VISION GOGGLE TRAINING REVEILLE NORTH MOA ACT

100FT UP TO BUT NOT INCLUDING FL180

(24-AUG-2019 07:00 - 24-AUG-2019 12:30. CREATED 22-AUG-2019 07:04)

**9/5859/KZLC**

ZLC AIRSPACE ADS-B, AUTO DEPENDENT SURVEILLANCE

REBROADCAST (ADS-R), TFC INFO SERVICE BCST (TIS-B), FLT INFO

SERVICE BCST (FIS-B) SERVICES MAY NOT BE AVBL WI AN AREA DEFINED AS

89NM RADIUS OF 393551N1114412W. AP AIRSPACE AFFECTED

INCLUDES 36U, PVU, U69, PUC, RIF, FOM, DTA, U42. SFC-12000FT.

1908220334-1908262200EST

(PERM. CREATED 22-AUG-2019 03:37)

**08/088/KZLC**

ZLC AIRSPACE PJE WI AN AREA DEFINED AS 25NM RADIUS OF 6S5 SFC-15000FT

(20-AUG-2019 19:58 - 29-AUG-2019 23:59. CREATED 20-AUG-2019 19:58)

**08/341/KZLC**

ZLC AIRSPACE R3203B ACT 15000FT-FL220

(21-AUG-2019 12:00 - 31-AUG-2019 06:00. CREATED 20-AUG-2019 12:04)

**08/340/KZLC**

ZLC AIRSPACE R3203A ACT SFC-15000FT  
(21-AUG-2019 12:00 - 31-AUG-2019 06:00. CREATED 20-AUG-2019 12:04)

**08/339/KZLC**

ZLC AIRSPACE R3203D ACT SFC-FL220  
(21-AUG-2019 12:00 - 31-AUG-2019 06:00. CREATED 20-AUG-2019 12:04)

**08/338/KZLC**

ZLC AIRSPACE R3203C ACT SFC-6000FT  
(21-AUG-2019 12:00 - 31-AUG-2019 06:00. CREATED 20-AUG-2019 12:04)

**08/078/KZLC**

ZLC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 4.9NM RADIUS OF  
432305N1115029W (11NM SE IDA) 7401FT (389FT AGL) NOT LGTD  
(18-AUG-2019 07:46 - 01-SEP-2019 23:59. CREATED 18-AUG-2019 07:46)

**9/2955/KZLC**

ZLC ID..AIRSPACE 14 NM NW OF SALMON, ID..TEMPORARY  
FLIGHT RESTRICTIONS WI AN AREA BOUNDED BY  
452630N/1143154W (SALMON VOR/DME LKT310031.6) TO  
452629N/1141333W (SALMON VOR/DME LKT334025.9) TO  
451456N/1141313W (SALMON VOR/DME LKT324014.8) TO  
451449N/1143244W (SALMON VOR/DME LKT292023.8) BACK TO THE ORIGINAL  
POINT SFC-12000FT. TO PROVIDE A SAFE ENVIRONMENT FOR FIRE FIGHTING  
AIRCRAFT OPERATIONS. PURSUANT TO 14 CFR SECTION 91.137(A)(2)  
TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. SALMON CHALLIS NATIONAL  
FOREST TELEPHONE 208-756-5157 OR FREQ 121.075/COVE FIRE IS IN CHARGE  
OF THE OPERATION. SALT LAKE CITY /ZLC/ ARTCC TELEPHONE 801-320-2560  
IS THE FAA COORDINATION FACILITY. EFFECTIVE 1908180300 UTC UNTIL  
1909180300 UTC.  
1908180300-1909180300EST  
(PERM. CREATED 18-AUG-2019 02:46)

**9/1830/KZLC**

ZLC UT..AIRSPACE 24 NM NORTH OF PRICE, UT..TEMPORARY  
FLIGHT RESTRICTIONS WI AN AREA DEFINED AS 5 NM RADIUS OF  
400012N/1104559W (CARBON VOR/DME PUC345024.0) SFC-12000FT. TO  
PROVIDE A SAFE ENVIRONMENT FOR FIRE FIGHTING ACFT OPS.  
PURSUANT TO 14 CFR SECTION 91.137(A)(2) TEMPORARY FLIGHT  
RESTRICTIONS ARE IN EFFECT. UTAH UINTAH OURAY AGENCY TELEPHONE  
435-789-7021 OR FREQ 132.075/AVINTAQUIN RIDGE FIRE IS IN CHARGE OF  
THE OPERATION. SALT LAKE CITY /ZLC/ ARTCC TELEPHONE 801-320-2560 IS  
THE FAA CDN FACILITY. EFFECTIVE 1908151800 UTC UNTIL  
1910010400 UTC.  
1908151800-1910010400EST  
(PERM. CREATED 15-AUG-2019 17:46)

**08/109/KZLC**

ZLC NAV GPS (WSMR GPS 19-21) (INCLUDING WAAS, GBAS, AND  
ADS-B) MAY NOT BE AVBL WI A 256NM RADIUS CENTERED AT 333413N1063452W  
(TCS055039) FL400-UNL.  
299NM RADIUS AT FL250  
237NM RADIUS AT 10000FT  
207NM RADIUS AT 400FT AGL  
165NM RADIUS AT 50FT AGL  
DLY 1830-2330  
1908191830-1908242330  
(PERM. CREATED 15-AUG-2019 15:23)

**08/053/KZLC**

ZLC AIRSPACE HANG GLD WI AN AREA DEFINED AS 7NM RADIUS OF 451609N1171037W  
(7.34NM SE JSY) SFC-17999FT DLY SR-SS  
(13-AUG-2019 12:46 - 02-OCT-2019 01:28. CREATED 12-AUG-2019 21:07)

**9/7399/KZLC**

ZLC ID..AIRSPACE 20NM NORTH OF MCCALL, ID..TEMPORARY  
FLIGHT RESTRICTIONS WI AN AREA DEFINED AS 5 NM RADIUS OF  
451524N/1155347W (DONNELLY VOR/DME DNJ005032.2) SFC-12000FT. TO  
PROVIDE A SAFE ENVIRONMENT FOR FIRE FIGHTING ACFT OVER FIRE AND  
TO AND FROM KMYL AIRPORT. PURSUANT TO 14 CFR SECTION 91.137(A)(2)  
TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. PAYETTE NATIONAL FOREST  
FIRE DISPATCH TELEPHONE 208-634-2757 OR FREQ 120.725/NETHKER FIRE IS  
IN CHARGE OF THE OPERATION. SALT LAKE CITY /ZLC/ ARTCC TELEPHONE  
801-320-2560 IS THE FAA CDN FACILITY. EFFECTIVE 1300 TO 0400 DAILY  
1908101300 UTC UNTIL 1908300400 UTC.  
DLY 1300-0400  
1908101300-1908300400  
(PERM. CREATED 10-AUG-2019 03:08)

**07/151/KZLC**

ZLC AIRSPACE LUCIN A/B STNR ALT RESERVATION  
WI AN AREA BNDD BY THE LATERAL CONFINES OF LUCIN A/B MOA 7500-17999  
(24-JUL-2019 18:00 - 24-JUL-2020 18:00. CREATED 24-JUL-2019 18:05)

**06/178/KZLC**

ZLC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 5NM RADIUS OF  
432745N1115050W (9.84NM SSE IDA) 6384FT (400FT AGL) NOT LGTD  
(30-JUN-2019 21:12 - 31-DEC-2019 23:59. CREATED 30-JUN-2019 21:12)

**06/173/KZLC**

ZLC OBST WIND TURBINE FARM WI AN AREA DEFINED AS 3.4NM RADIUS OF  
383422N1125641W (8.1NM NNE MLF) 5411FT (389FT AGL) NOT LGTD  
(29-JUN-2019 13:38 - 30-SEP-2019 23:59. CREATED 29-JUN-2019 13:38)

**9/2322/KZLC**

ZLC OR..ROUTE ZLC ZSE.  
V500 KIMBERLY (IMB) VOR/DME, OR TO HOSTS, OR MEA 15000 EASTBOUND.  
IMB VORTAC SIGNAL STRENGTH.  
(11-JUN-2019 16:33 - 11-JUN-2021 16:33 EST. CREATED 11-JUN-2019 16:33)

**9/1506/KZLC**

ZLC ROUTE ZLC ZSE.  
V520 NEZ PERCE (MQG) VOR/DME, ID MCA 10000 EASTBOUND.  
V520 NEZ PERCE (MQG) VOR/DME, ID TO ZATIP, ID MEA 12000 EASTBOUND,  
6900 WESTBOUND.  
V520 ZATIP, ID TO SALMON (LKT) VOR/DME, ID MEA 12000.  
1905021857-2105021857EST  
(PERM. CREATED 02-MAY-2019 18:58)

**9/4077/KZLC**

ZLC OR..ROUTE ZLC.  
V500 HOSTS, OR TO PARMO, ID DUAL MEA; 6000 EASTBOUND, 11700  
WESTBOUND. COP MOVED TO HOSTS.  
1903071620-2103071620EST  
(PERM. CREATED 07-MAR-2019 16:20)

**02/246/KZLC**

ZLC AIRSPACE UAS WI AN AREA DEFINED AS 5NM RADIUS OF 384239N1170403W (38.3NM  
N TPH) SFC-400FT AGL DLY SR-SS  
(16-FEB-2019 14:39 - 31-DEC-2019 00:38. CREATED 15-FEB-2019 22:02)

**9/7972/KZLC**

ZLC MT..ROUTE ZLC.  
V187 GREAT FALLS (GTF) VORTAC, MT R-106 TO ZERZO INT, MT MEA 13000.  
GTF VOR UNUSABLE R-106 UNUSABLE BELOW 13000.  
1901291915-2101291915EST  
(PERM. CREATED 29-JAN-2019 19:16)

**KZOA (OAKLAND FIR)**

**08/256/KZOA**

ZOA AIRSPACE UAS WI AN AREA DEFINED AS .5NM RADIUS OF ENI332044.4 SFC-200FT AGL  
(24-AUG-2019 14:00 - 25-AUG-2019 04:00. CREATED 24-AUG-2019 03:29)

**08/255/KZOA**

ZOA AIRSPACE UAS WI AN AREA DEFINED AS .5NM RADIUS OF FOT135040.1 SFC-200FT AGL  
(24-AUG-2019 14:00 - 25-AUG-2019 04:00. CREATED 24-AUG-2019 03:22)

**08/147/KZOA**

ZOA NAV GPS (YPG GPS 19-20) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 280NM RADIUS CENTERED AT 332345N1142143W (BLH110023) FL400-UNL, 225NM RADIUS AT FL250, 166NM RADIUS AT 10000FT, 156NM RADIUS AT 4000FT AGL, 116NM RADIUS AT 50FT AGL.  
DLY 0900-1300  
1908270900-1908291300  
(PERM. CREATED 23-AUG-2019 21:25)

**08/212/KZOA**

ZOA AIRSPACE W260 ACT FL180-FL350  
(24-AUG-2019 18:00 - 24-AUG-2019 21:00. CREATED 23-AUG-2019 18:04)

**08/141/KZOA**

ZOA NAV GPS (NTTR GPS 19-13) (INCLUDING WAAS, GBAS, AND ADS-B) MAY NOT BE AVBL WI A 377NM RADIUS CENTERED AT 371416N1155125W (BTY046050) FL400-UNL, 319NM RADIUS AT FL250, 256NM RADIUS AT 10000FT, 218NM RADIUS AT 4000FT AGL, 183NM RADIUS AT 50FT AGL.  
1908262000-1908262230  
(PERM. CREATED 23-AUG-2019 06:01)

**08/248/KZOA**

ZOA AIRSPACE PJE WI AN AREA DEFINED AS 3NM RADIUS OF INA245064 (48.6NM NW LOL) SFC-15000FT  
(27-AUG-2019 13:00 - 02-SEP-2019 03:00. CREATED 22-AUG-2019 22:31)

**08/234/KZOA**

ZOA AIRSPACE UAS WI AN AREA DEFINED AS .25NM RADIUS OF 370212N1185816W (32NM NE O32) SFC-400FT AGL DLY 1400-2359  
(21-AUG-2019 14:00 - 26-AUG-2019 23:59. CREATED 21-AUG-2019 05:33)

**08/099/KZOA**

ZOA AIRSPACE SOUTH LAKE TAHOE, CA MARINE CORPS MOUNTAIN WARFARE TRAINING CENTER IS PERFORMING MILITARY ACTIVITY WI AN AREA DEFINED AS 3835N11930W TO 3835N11905W TO 3815N11920W 3812N11941W TO 3830N11941W TO THE POINT OF ORIGIN. TRAINING EXERCISES INVOLVE HELICOPTERS, SINGLE ENGINE PROPELLER DRIVEN AIRCRAFT, AND SMALL JET AIRCRAFT AS WELL AS GROUND OPERATIONS. ALL NON-PARTICIPATING AIRCRAFT ARE ADVISED TO AVOID THE ABOVE NOTAMED AREA. SFC-18000FT  
(23-AUG-2019 13:00 - 26-AUG-2019 23:59. CREATED 19-AUG-2019 16:03)

**9/2482/KZOA**

ZOA NV..AIRSPACE BLACK ROCK CITY, NV LASER LIGHT DEMONSTRATIONS WI AN AREA DEFINED AS BLACK ROCK CITY,NV OR

404735N1191144W OR THE LOVELOCK/LCC/ VORTAC 309 RADIAL AT 49NM,  
SFC-26177. LASER LGT BEAM MAY BE INJURIOUS TO PILOTS/PASSENGERS  
EYES WI 900FT VERTICALLY OR 1160FT LATERALLY OF THE LGT SOURCE.  
FLASH BLINDNESS OR COCKPIT ILLUMINATION MAY OCCUR BEYOND THESE  
DISTANCES. OAKLAND /ZOA/ ARTCC TELEPHONE 510-745-3331 IS THE FAA  
CDN FACILITY  
DLY 0300-1200  
1908230300-1909021200  
(PERM. CREATED 16-AUG-2019 13:51)

**08/171/KZOA**

ZOA AIRSPACE UAS WI AN AREA DEFINED AS 1NM RADIUS OF 405050N1215927W (25NM NE  
RDD) SFC-400FT AGL DLY 1400-0200  
(16-AUG-2019 14:00 - 01-SEP-2019 02:00. CREATED 15-AUG-2019 20:28)

**9/7847/KZOA**

ZOA CA..AIRSPACE MONO COUNTY..TEMPORARY FLIGHT  
RESTRICTIONS WI AN AREA DEFINED AS 4 NM RADIUS OF 375010N/1185307W  
(BISHOP VOR/DME BIH303037.0) SFC-13000FT. TO PROVIDE A SAFE  
ENVIRONMENT FOR FIRE FIGHTING. PURSUANT TO 14 CFR SECTION  
91.137(A)(2) TEMPORARY FLIGHT RESTRICTIONS ARE IN EFFECT. INYO  
NATIONAL FOREST TELEPHONE 760-873-2488 OR FREQ 120.7750/THE SPRINGS  
FIRE IS IN CHARGE OF THE OPERATION. OAKLAND /ZOA/ ARTCC TELEPHONE  
510-745-3331 IS THE FAA CDN FACILITY. EFFECTIVE 1908121300 UTC UNTIL  
1911121300 UTC.  
1908121300-1911121300  
(PERM. CREATED 11-AUG-2019 23:30)

**08/041/KZOA**

ZOA AIRSPACE UAS WI AN AREA DEFINED AS .25NM EITHER SIDE OF A LINE FM  
361525N1201326W (1NM NE 308) TO 361817N1201708W (4.1NM NNW 308) TO  
362426N1202352W (12.3NM NNW 308) TO 362942N1204847W (16.59NM SW M90) TO  
363139N1203109W (15.5NM SW M90) TO 363435N1203534W (15.3NM SW M90) SFC-400FT  
AGL MON-SAT 1400-2359  
(05-AUG-2019 14:00 - 05-SEP-2019 23:59. CREATED 05-AUG-2019 04:33)

**08/009/KZOA**

ZOA AIRSPACE WI THE CONFINES OF R2504 UAS OPS IN CLASS  
E AND G AIRSPACE SFC-2500FT AGL

1908011800-1911011800  
(PERM. CREATED 01-AUG-2019 14:57)

**9/7832/KZOA**

ZOA ROUTE ZOA.  
V165 MARRI INT, CA TO MUSTANG (FMG) VORTAC, NV MEA 15000.  
FMG VORTAC R-167 UNUSABLE BELOW 15000.  
(15-MAY-2019 15:22 - 15-MAY-2021 15:20 EST. CREATED 15-MAY-2019 15:22)

**03/150/KZOA**

ZOA AIRSPACE UAS WI AN AREA DEFINED AS 383618.41N1220447.22W (9.8NM NW DWA)  
TO 383612.37N1220244.28W (8.4NM NW DWA) TO 383913.08N1220507.13W (11.4NM NNW  
DWA) TO 383903.39N1220254.16W (9.3NM NNW DWA) TO POINT OF ORIGIN SFC-1400FT  
(11-MAR-2019 20:13 - 25-DEC-2019 19:48. CREATED 11-MAR-2019 20:13)

**9/2025/KZOA**

ZOA ROUTE ZOA.  
A222 POHNPEI (PNI) NDB/DME, UNDEFINED TO AXTEN, NA EXCEPT FOR  
AIRCRAFT EQUIPPED WITH SUITABLE RNAV SYSTEM WITH GPS.  
1903041958-2103041958EST  
(PERM. CREATED 04-MAR-2019 19:59)

**9/2279/KZOA**

ZOA ROUTE ZOA ZSE.



V195 FORTUNA (FOT) VORTAC, CA TO RED BLUFF (RBL) VORTAC, CA CHANGE  
OVER POINT FOT 40 NM.  
1901081717-2101081717EST  
(PERM. CREATED 08-JAN-2019 17:18)

**8/7392/KZOA**

ZOA CA..ROUTE ZOA ZLA.  
V459 FRIANT (FRA) VORTAC, CA R-142 TO EXTRA INT, CA MEA 5700.  
1811151705-2011151702EST  
(PERM. CREATED 15-NOV-2018 17:05)