

Navigating the DC SFRA

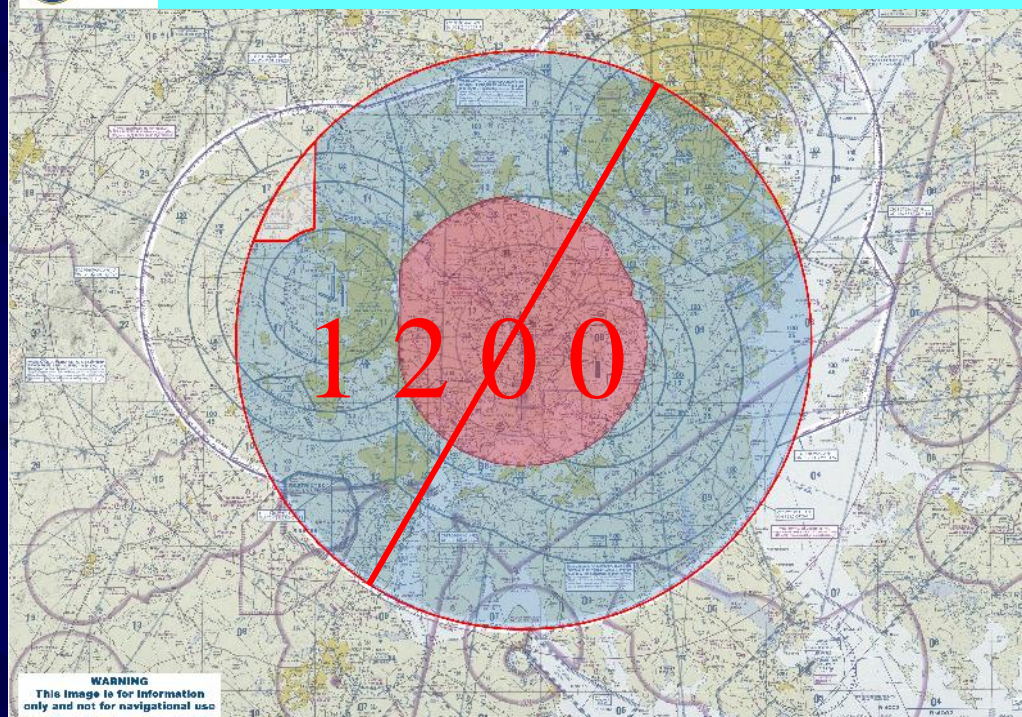
Effective 0500 Z, 02/17/2009

Bob Carpenter, FAA Steam Representative Lead, EA17

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See 14 CFR 93.331-345 Making the DC ADIZ
A Special Flight Rules Area (SFRA) Effective
0500Z, 02/17/2009

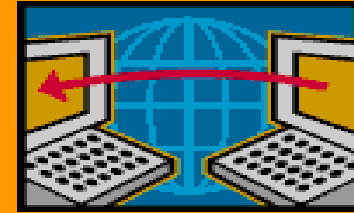


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Agenda

1. Temporary Flight Restrictions (TFRs)
2. DC SFRA Overview
3. DC Metro Flight Avoiding the DC SFRA
4. SFRA Procedures {Standard, Special Situations}
5. SFRA Filing {FSS, Duats}
6. SFRA Data Sheets {Tel #s, Fixes, Sectors}
7. Summary {SFRA/TFR “Musts” & “Gotchas”}
8. Taking “Navigating the DC SFRA” on <http://FAAsafety.gov/> ****See 91.161 – Required DC SFRA Awareness Training for all pilots operating VFR within 60NM of DCA VOR/DME (effective Feb 9, 2009)

****Take
“Navigating the DC
Special Flight Rules
Area (SFRA)” at



<http://FAAsafety.Gov/>

This
Presentation

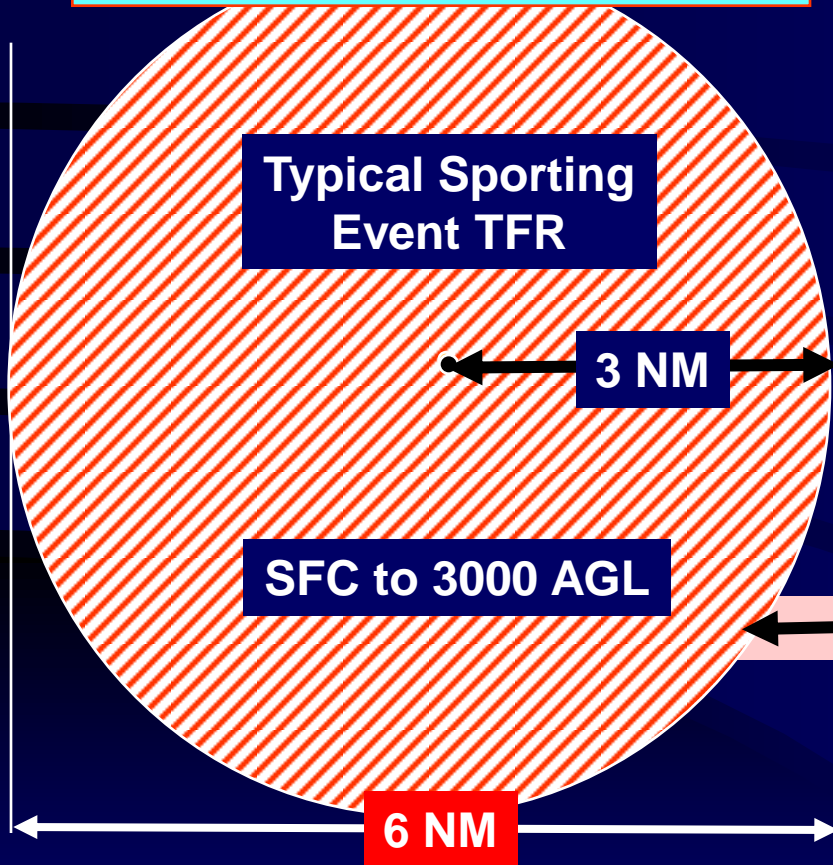


Available at
www.fmfa.org

Temporary Flight Restrictions (TFRs)

See NOTAM 9/5151 (Sport Event TFR)

STADIUM with SEATING CAPACITY 30,000+
MLB, NFL, NCAA DIVISION ONE FOOTBALL,
NASCAR SPRINT CUP, INDY CAR.

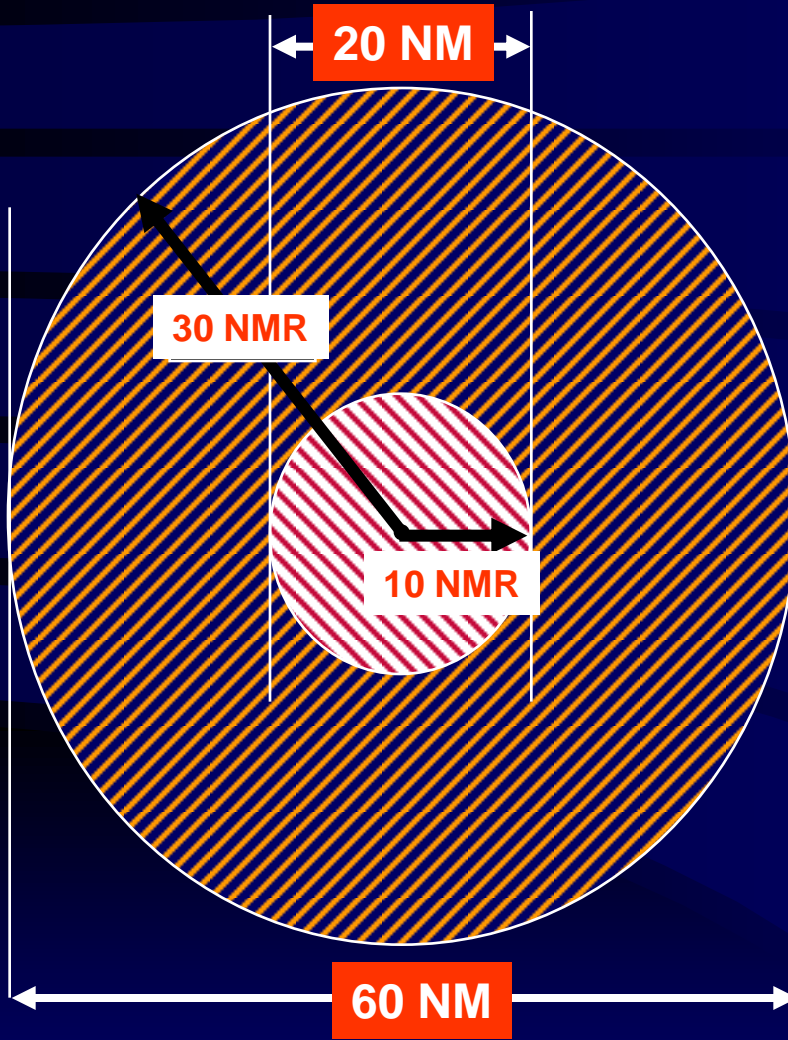


1. TFRs are created for HAZMAT/Firefighting/Catastrophe Operations, Volcanic Eruptions, Sporting Events, VIP Activity, etc.
2. Get a FSS Standard Briefing Before Flying !
3. Graphical TFR Information Usually Available at tfr.faa.gov/tfr2/list.html

Typical Sporting Event TFR

- TFR 3NMR sfc to 3000 AGL
- GA Flt PROHIBITED !
- Effective Times 1 HR Before to 1 HR After Event with 30K People
- Examples: MLB, NFL, NCAA Division 1, NASCAR events

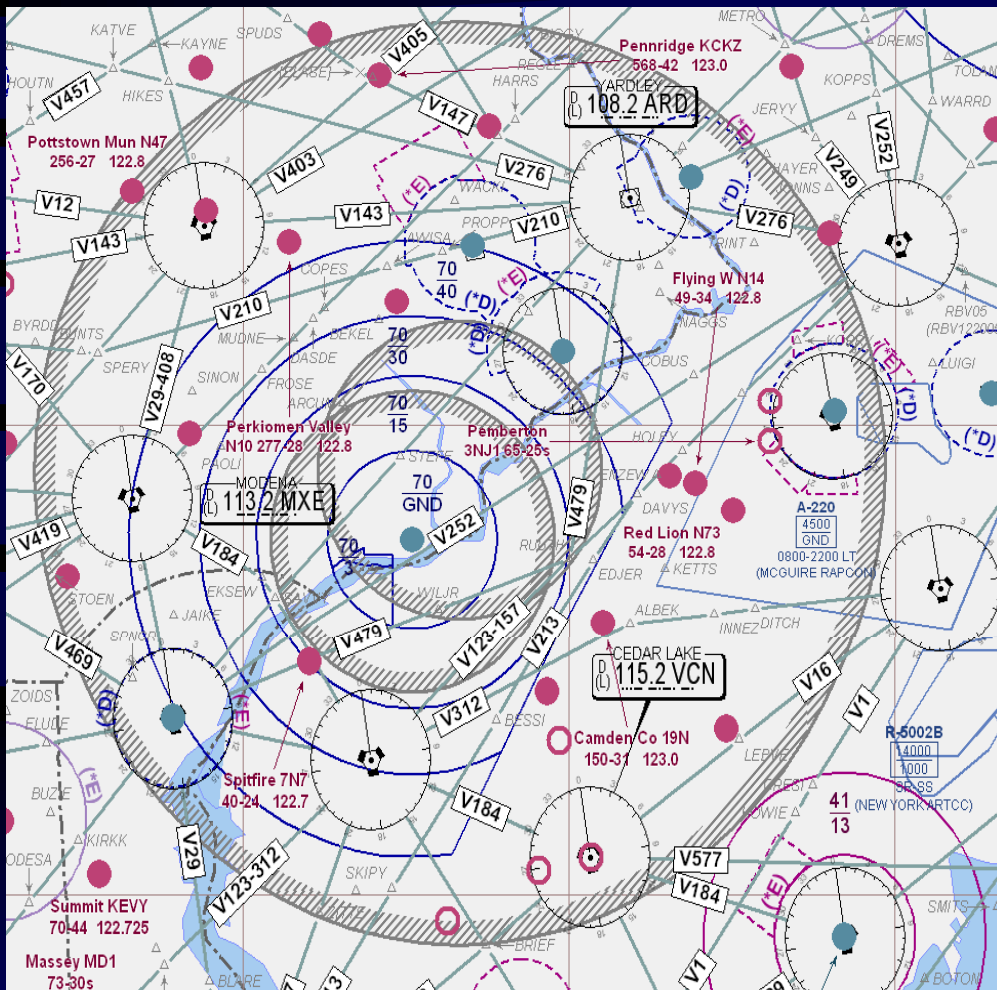
Typical POTUS TFR



1. TFR 30NMR sfc to FL180
2. Inner 10NMR GA No-Fly (GA Flt PROHIBITED !)
3. Outer 10-30NMR GA Fly Rules
 - a) GA on IFR or VFR Flt Plan
 - b) GA needs ATC permission prior to operating within
 - c) GA talking with ATC
 - d) GA squawking discrete XPDR code
 - e) GA airport opns allowed but training, repeated take-offs/landings prohibited
4. Allows Safe VIP Movement
 - a) Effective while VIP present
 - b) May move as VIP moves

Philadelphia 1/8/09 POTUS TFR

Notams 9/0327 & 9/0327 eff 1410Z-1750Z



1. Multiple Inner 10NM No-Fly Areas centered on POTUS on-the-ground presence
2. One Outer 30NM Restricted GA Fly Area
 - a) No flight training allowed
 - b) Transit limited to access/egress
 - c) ATC permission required
 - d) Discrete XPONDR code required
 - e) Flight plan required.

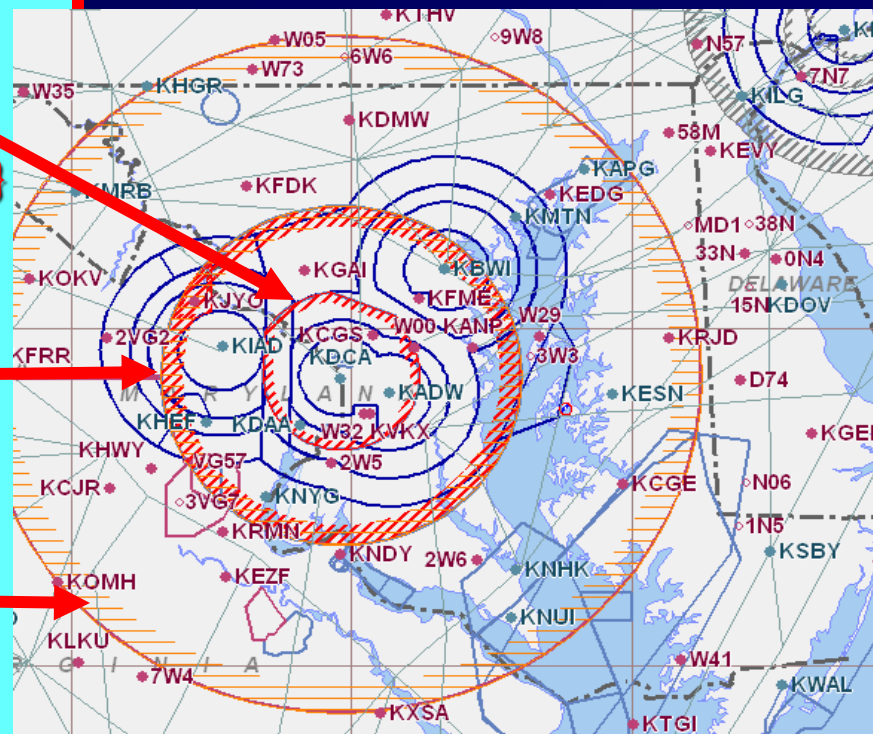
Caution: This is not to be used for navigation nor for TFR avoidance. Please consult 9/0327 & 9/0327 as well as FSS for latest information on this TFR Area

Special Flight Rules Area (SFRA) Overview

ADIZ became SFRA on Feb 17, 2009 {14CFR§93.331-345} !!!!

KEY DCA VOR/DME Values

1. ≤ 15 NM = FRZ (DME varies from 13 to 15)
{GA No-Fly Zone except for DC-3 and DCA Arpts}
2. ≤ 30 NM = DC SFRA (nee DC ADIZ)
{SFRA Flt Plan, Mode C Xpondr Code, ATC Communications/Permission, $V < 180$ KIAS for all VFR traffic}
3. ≤ 60 NM = VFR Speed and Training Reqts
{Mandatory Training for all VFR Pilots and $V < 230$ KIAS for all VFR traffic}



SFRA GA Ops Prohibited for National Security
Events Such as State of the Union Address!!!!

DC ADIZ = DC SFRA

Effective 2/17/09 at 0500Z



NOTAM



Washington D.C. METROPOLITAN Special Flight Rules Area

Effective 0500 UTC February 17, 2009



1. Two (2) SFRA NOTAMs published Feb 5th, 2009
 - a) 9/4402 (JYO SFRA procedures same as previous DC ADIZ procedures)
 - b) 9/4399 (DC SFRA procedures same as previous DC ADIZ procedures)
2. DC SFRA same airspace as previous DC ADIZ.
3. DC FRZ is within and part of the DC SFRA.
4. DC FRZ Flight Plan meets the requirements for a DC SFRA Flight Plan.

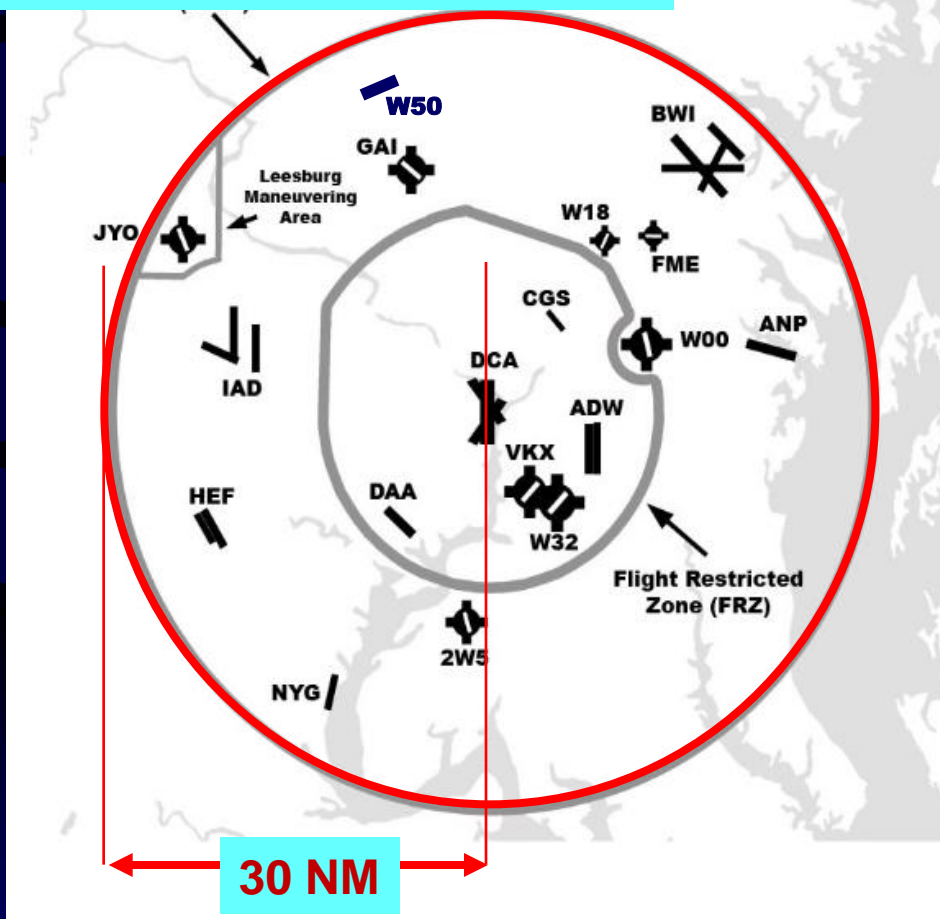
KEY DCA VOR/DME Values

1. ≤ 15 NM = FRZ (DME varies from 13 to 15)
2. ≤ 30 NM = DC SFRA (previously DC ADIZ)
3. ≤ 60 NM = VFR Speed and Training Reqt

Major Airports within DC SFRA Symbol

DC Special Flight Rules Area (SFRA)

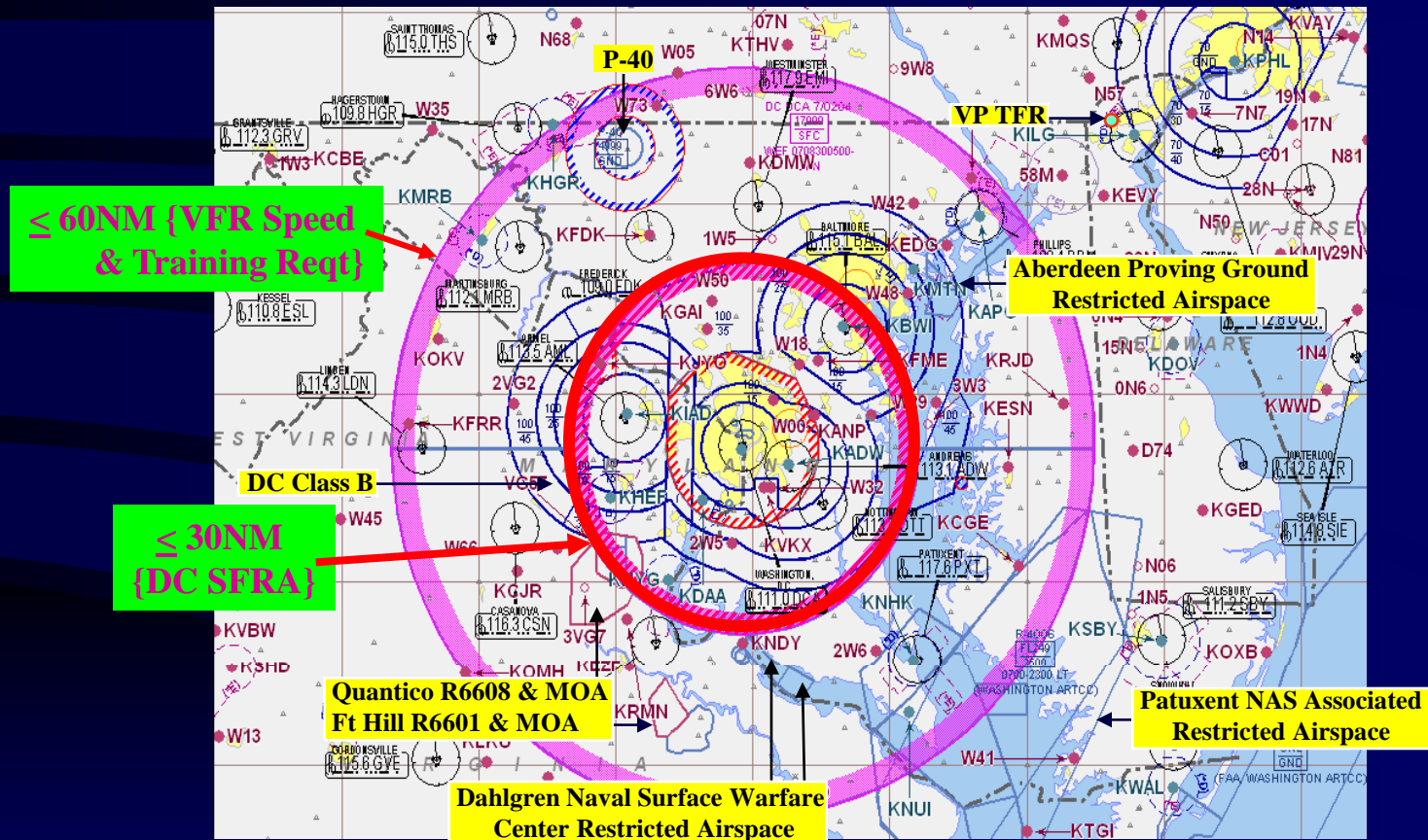
[previously DC ADIZ]



ID	Arpt Name	City	Loc	ATC Area
2W5	Maryland	Indian Head, MD	SFRA	Mt Vernon
ADW	Andrews AFB	Camp Springs, MD	FRZ	Mt Vernon
ANP	Lee	Annapolis, MD	SFRA	Chesapeake
BWI	BWI Marshall	Baltimore, MD	SFRA	Chesapeake
CGS	College Park	College Park, MD	FRZ	Mt Vernon
DAA	Davison AAF	Ft Belvoir, VA	FRZ	Mt Vernon
DCA	Wash Reagan	Wash DC	FRZ	Mt Vernon
FME	Tipton	Ft Meade, MD	SFRA	Chesapeake
GAI	Montgomery Cty	Gaithersburg, MD	SFRA	Chesapeake
HEF	Manassas	Manassas, VA	SFRA	Shenandoah
IAD	Wash Dulles	Reston, VA	SFRA	Shenandoah
JYO	Godfrey	Leesburg, VA	SFRA	Shenandoah
NYG	Quantico MCAF	Quantico, VA	SFRA	Mt Vernon
VKX	Potomac	Friendly, MD	FRZ	Mt Vernon
W00	Freeway	Mitchellville, MD	SFRA	Mt Vernon
W18	Suburban	Laurel, MD	SFRA	Chesapeake
W32	Hyde	Clinton, MD	FRZ	Mt Vernon
W50	Davis	Laytonsville, MD	SFRA	Chesapeake

- = FRZ GA Airport
- = SFRA GA Airport
- = Military Airport

Flight Around DC SFRA But Through Washington Area

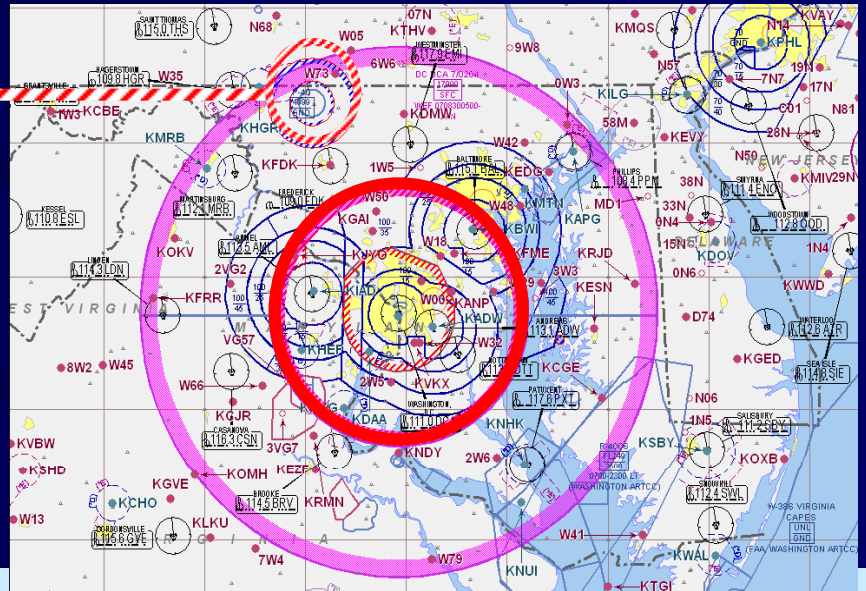


P-40, Thurmont, MD

P-40 Centered on FDK351014.8
Normal Size is 3 NM Radius to
5000 ft MSL



P-40 Expands When
VIPs Present !!
Flight Thru P-40 Prohibited !!

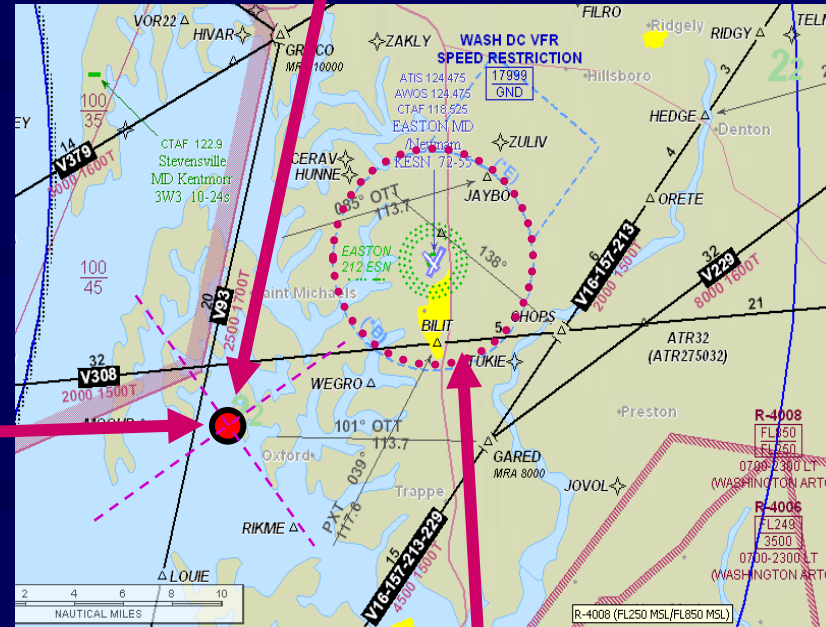
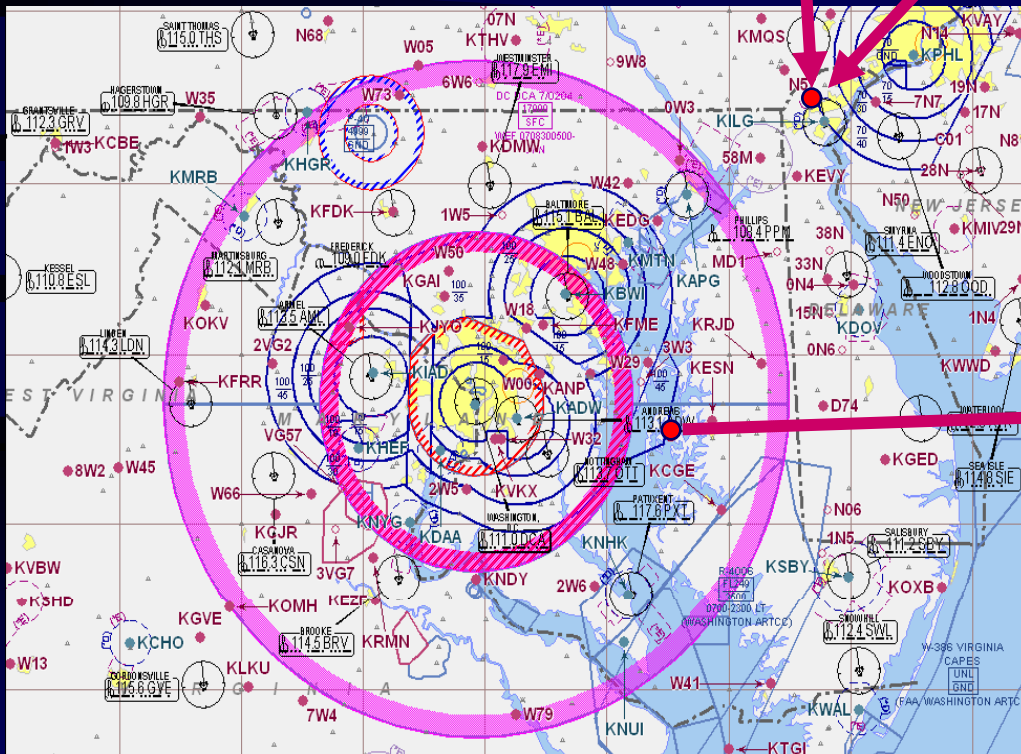


R-4009 Overlies P-40
Can be Overflowed with ZDC Permission

VP TFR, Greenville, DE

**1.0 NMR Sfc to 1500 AGL
centered on DQO005005.4**

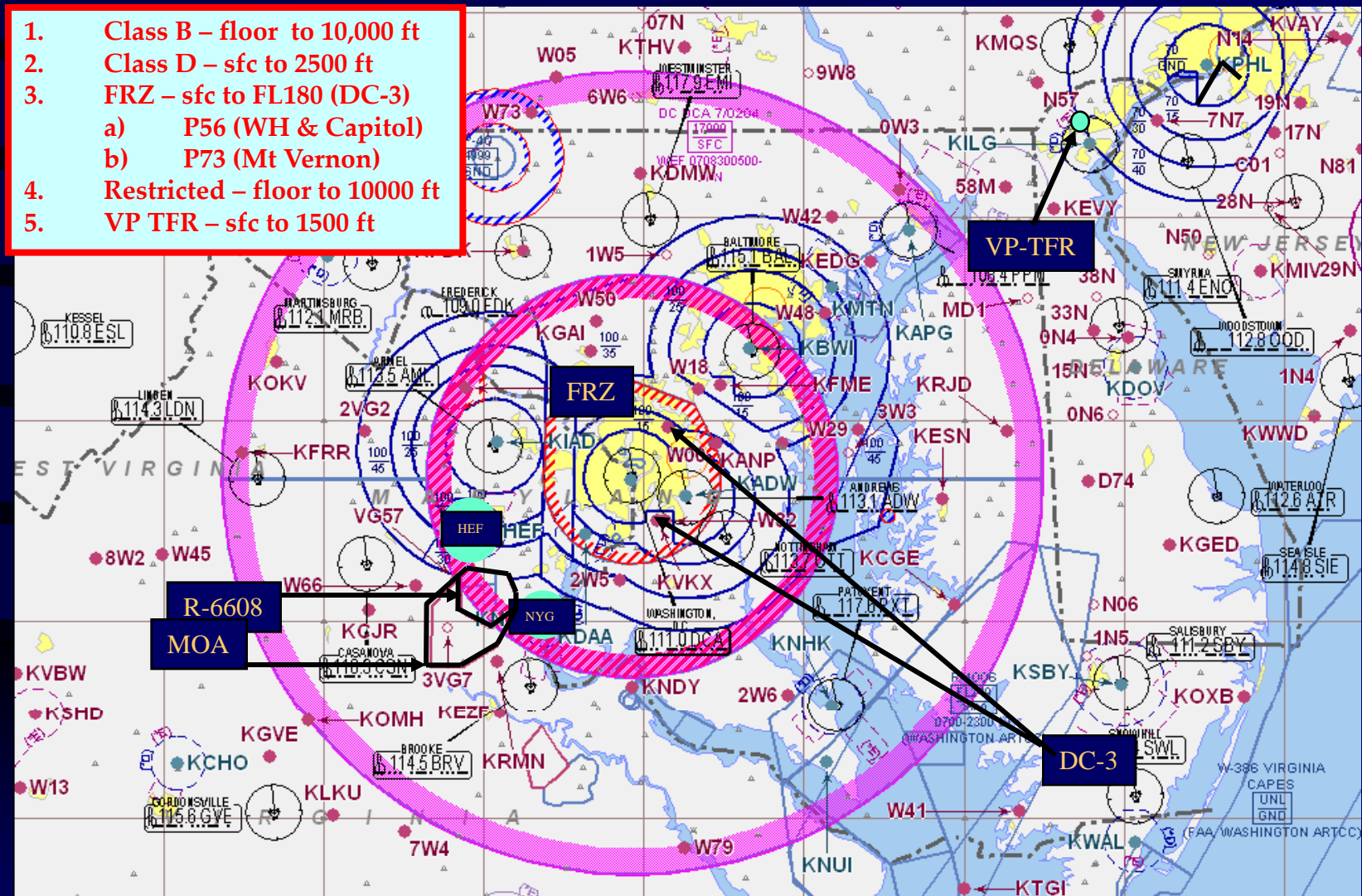
**Ex VP Cheney MD TFR Replaced
with VP Biden DE TFR UFN**



**Easton Airport Class D
Tower 118.52, ATIS 124.47**

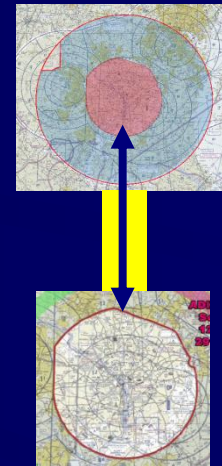
Airspace Associated With DC SFRA

1. Class B – floor to 10,000 ft
2. Class D – sfc to 2500 ft
3. FRZ – sfc to FL180 (DC-3)
 - a) P56 (WH & Capitol)
 - b) P73 (Mt Vernon)
4. Restricted – floor to 10000 ft
5. VP TFR – sfc to 1500 ft



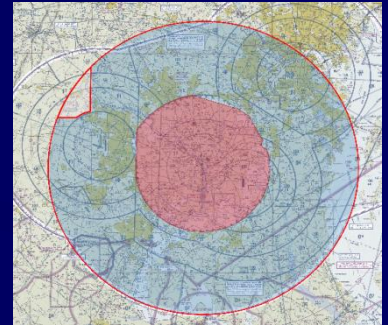
Airspace Within SFRA, the FRZ

1. (See NOTAM 7/0211 for more definitive description)
Airspace from surface up to FL180 within:
 - a. DCA311015 Clockwise to DCA002015
along 15 NM DCA VOR/DME arc
 - b. DCA002015 to DCA049014
 - c. DCA049014 to DCA064013
 - d. DCA064013 Clockwise to DCA276013
along 13 NM DCA VOR/DME arc
 - e. DCA276013 to DCA311015.
 - f. Airspace within a 1NM radius of Freeway Airport (W00), Mitchellville, MD is excluded from the FRZ.
2. Consider this Area to be a GA No-Fly Zone, except for “DC-3” operations, Washington National operations, and a few waived exceptions



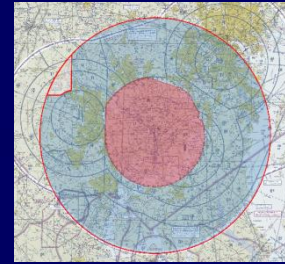
LASER Warning System Within SFRA FRZ

1. Alternating RED/RED/GREEN LASER Light Signal is Deployed Within DC SFRA FRZ
2. Signal Will be Directed at Aircraft Making Unauthorized Entry into ADIZ/FRZ
3. In Addition, High Definition Digital Cameras will Photograph/Observe A/C
4. The LASER Light Signal Not Injurious to Eyes of Pilots or Passengers
5. Immediately Turn Away from the Center of the DC SFRA While Communicating with ATC or Northern Command (NORTHCOM) on 121.5 MHz
6. Failure to Communicate with ATC or NORTHCOM And to Turn Away From the Center of SFRA May Have Dire Consequences !!!!



“Standard” DC SFRA Procedures

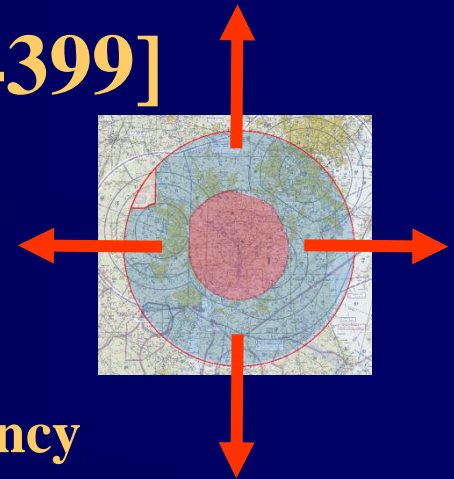
See NOTAM 9/4399



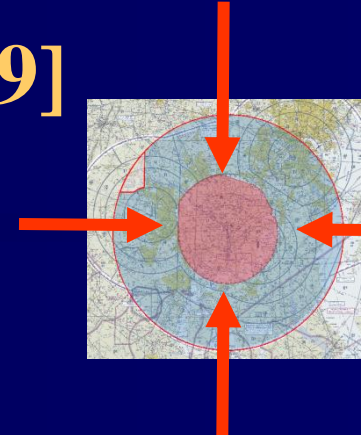
1. Prior to flying in the SFRA pilots must:
 - a. file a flight plan
 - b. obtain a discrete transponder code from ATC
 - c. establish two-way communications with the appropriate ATC facility and maintains the capability of continuing two-way communications with the appropriate ATC facility (Aircraft operating in a non-towered airport traffic pattern are exempt from this ATC two-way communication requirement provided they monitor the airport's CTAF on an operable two-way radio).
 - d. maintain IAS \leq 180 Kts
2. (EXTREMELY IMPORTANT !!!!)The aircraft's mode C transponder continuously transmits its assigned discrete transponder code while flying in the SFRA.
3. Prior to flying within class B or D airspace that is within or adjacent the SFRA the flight crew must receive a separate ATC permission for class B or D airspace.

“Standard” Procedures to Exit SFRA [NOTAM 9/4399]

- 1. File Flight plan with FSS or DUATS and get briefing on NOTAMs, Weather and perform aircraft Pre-Flight**
- 2. Obtain Discrete Code and Departure Frequency**
 - a) Towered Field – from clearance delivery**
 - b) Non-Towered Field – from POTOMAC ATC (RCO frequency or telephone landline)**
- 3. Depart squawking discrete code and establish communications with POTOMAC ATC as soon as practicable**
- 4. Maintain IAS < 180 Kts while in SFRA**
- 5. Let POTOMAC know when clear of SFRA and only if POTOMAC concurs, squawk 1200 (double-check your position with landmarks on the ground and if possible, GPS)**
- 6. Maintain IAS \leq 230 Kts until 60 DME from DCA VOR/DME**



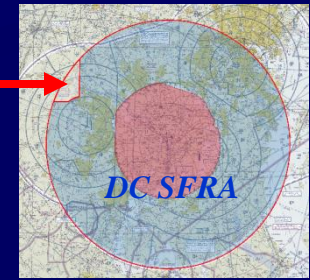
“Standard” Procedures to Enter SFRA [NOTAM 9/4399]



- 1. File SFRA Flight plan with FSS or DUATS and get briefing on NOTAMs, Weather.**
- 2. Depart airport outside .**
- 3. Maintain IAS \leq 230 Kts within 60 DME of DCA VORTAC**
- 4. When within 10 NM of SFRA, call POTOMAC TRACON on appropriate frequency**
- 5. Squawk Discrete Code and remain clear of SFRA until Mode C Code observed by POTOMAC ATC maintaining 180 Kts unless otherwise authorized by ATC.**
- 6. Proceed to SFRA airport remaining clear of class B Airspace**
- 7. Request from POTOMAC frequency change to CTAF but (VERY, VERY IMPORTANT !!!!) keep discrete code to ground !!!!**

SFRA Procs for Leesburg (JYO)

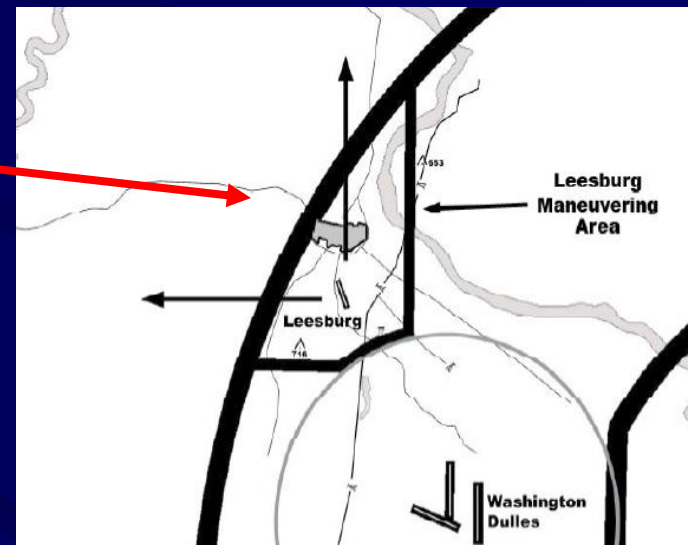
See NOTAM 9/4402



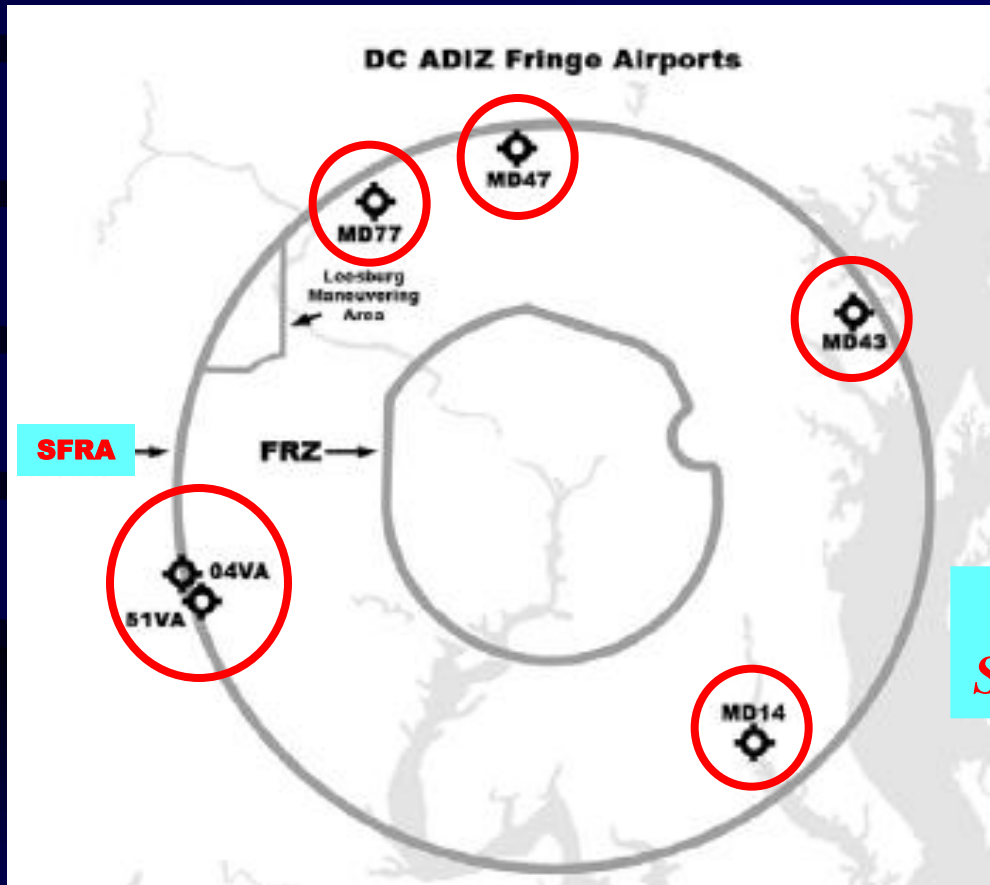
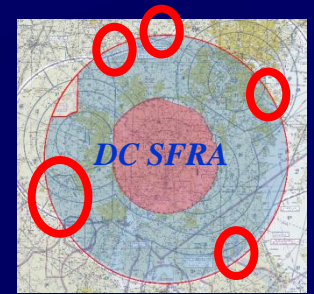
1. Pilots shall file a SFRA flight plan with FSS
2. Pilots shall remain below the floor of Class B Airspace (2500, 4500 MSL, as appropriate) in maneuvering area as depicted, below
3. Arriving aircraft shall fly from northwest SFRA boundary to JYO
4. Departing aircraft shall fly the shortest route from JYO to northwest SFRA Boundary
5. Pilots arriving and departing JYO shall squawk **1227** and **1226**, respectively
6. Pilots shall self-announce their positions on the CTAF and monitor 121.5, if possible
7. If flight will not conform to above then pilots shall use "Standard" SFRA procedures (For example, practice JYO procedures, see NOTAM 9/4402).

While Within SFRA Remain in Depicted Maneuvering Area

**SQUAWK 1227 FOR ACCESS
SQUAWK 1226 FOR EGRESS**



SFRA Procedures for Fringe Airport Egress



Squawk 1205, Depart SFRA via Most direct route

SFRA Procedures for Fringe Airport Egress



SQUAWK 1205 FOR EGRESS

Name	Symbol	State	Location (VOR/Rad/Dist)
Barnes	MD47	MD	DCA003029
Flying M Farm	MD77	MD	DCA338028
Mountain Road	MD43	MD	DCA067029
Robinson	MD14	MD	DCA149026
Skyview	51VA	VA	DCA262029
Vint Hill Farms Station	04VA	VA	DCA267029

1. Procedures apply only to aircraft departing the SFRA via the most direct route
2. No Flight Plan Needed
3. Aircraft shall squawk **1205**
4. Aircraft shall monitor CTAF until leaving traffic pattern
5. Exit via shortest course to SFRA boundary
6. No requirement to talk with ATC unless requested

SFRA Procedures for VFR Traffic Pattern Operations at Towered Airports

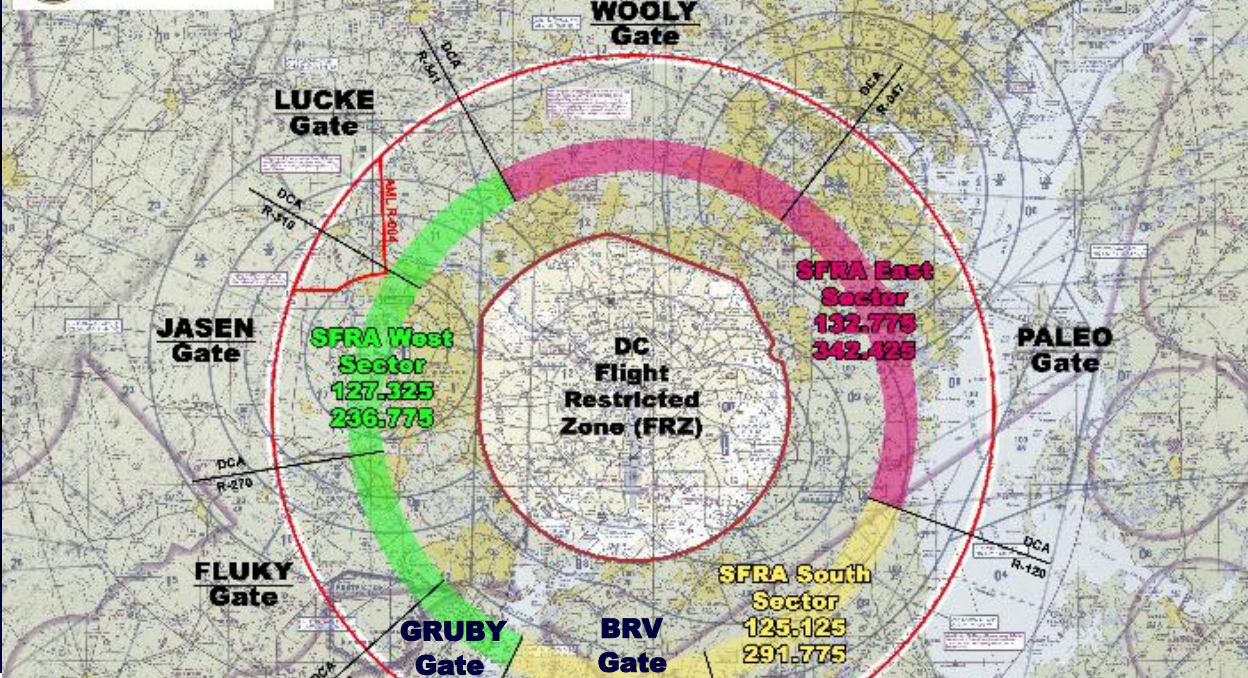
**SQUAWK 1234 FOR TFC PATTERN
OPNS AT TOWERED ARPTS**



Pilots conducting VFR traffic pattern operations (excluding instrument approaches) at an airport with an operational control tower within the DC SFRA shall:

1. Request closed pattern work prior to taxiing, or prior to traffic pattern entry;
2. Remain in two-way radio communications with the tower;
3. Continuously operate their aircraft transponder on code 1234 when assigned by ATC.
4. Prior to exiting the traffic pattern or conducting any other flight operations within the SFRA, pilots shall use “Standard” SFRA Procedures

Filing SFRA Flight Plans



1. **File with 1-800-WXBRIEF, Radio or DUATS**
2. **Departure Point and/or Destination must be SFRA Sector Gate .**
3. **You do not have to overfly the SFRA gate but only between their defining DCA VOR Radials – used to get your SFRA flight plan to the proper sector controller**
4. **Round Robin Flights in SFRA require 2 flight plans**
5. **Flight plans available 30 minutes prior to proposed departure time and for 120 minutes after proposed departure time**

Entry/Exit Filing Gates for DC SFRA Flight Plans

Gate (Freq)	Defining Radials (DCA)		Visual Checkpoints	
WOOLY (132.775)	R-341	R-044	I-270	I-95
PALEO (132.775)	R-045	R-119	I-95	Abeam Chesapeake Beach
WHINO (125.125)	R-120	R-172	Abeam Chesapeake Beach	Northern boundary Wicomico River
GRUBY (125.125)	R-173	R-214	Northern boundary Wicomico River	Western boundary Potomac River / Widewater Beach
BRV (127.325)	R-215	R-236	Western boundary Potomac River / Widewater Beach	West side of Lunga Reservoir
FLUKY (127.325)	R-237	R-269	West side of Lunga Reservoir	VA Route 29
JASEN (127.325)	R-270	R-309	VA Route 29	VA Route 7
LUCKE (127.325)	R-310	R-339	VA Route 7	I-270

SFRA East Sector
SFRA East Sector
SFRA South Sector
SFRA South Sector
SFRA West Sector
SFRA West Sector
SFRA West Sector
SFRA West Sector

SFRA

- *3 Sectors (E, S, W)*
- *8 Gates*
- *FRZ in SFRA*

Filing SFRA Flight Plans

DC SFRA Flight Plan – General Filing Instructions

1. TYPE		2. AIRCRAFT IDENTIFICATION		3. AIRCRAFT TYPE / SPECIAL EQUIPMENT		4. TRUE AIRSPEED		5. DEPARTURE POINT		6. DEPARTURE TIME		7. CLOSING ALTITUDE	
<input checked="" type="checkbox"/> VFR		N call sign		C182/A		120 kts		FLUKY		1815		VFR/025	
8. ROUTE OF FLIGHT													
9. DEPARTURE (Name of airport, elevation)				10. EST. TIME ENROUTE		11. AIRWAYS							
HEF				0 20		SFRA DUATS							
12. PASSENGERS			13. ALTERNATE AIRPORT			14. PILOT(S) NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE						15. NUMBER OF CREW	
5 30						PYLOT, Paula XXX-XXX-XXXX KHEF (If address/telecontact is different from home base) n/a						2	
16. COLOR OF AIRCRAFT				17. CIVIL AIRCRAFT PILOTS: FAR Part 91 requires you file an IFR flight plan to operate under instrument flight rules in controlled airspace. Failure to file could result in a civil penalty, not to exceed \$1,000 for each violation (Section 901) of the Federal Aviation Act of 1958, as amended. Filing of a VFR flight plan is recommended as a good operating practice. See also Part 91 for requirements concerning VFR flight plans.									
b/w													
FAA FORM 723D-1 (REV. 10-01) (Electronic Version Available) CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL													

*****This NOT a IFR flight plan or a Search & Rescue (SAR) flight plan**

- 1. BLK 1, Type = IFR*****
- 2. BLK 5, Dep Pt = Inbound to SFRA enter "GATE" appropriate to SFRA entry point. = Outbound from SFRA enter departure airport**
- 3. BLK 7, Alt = VFR/altitude/100**
- 4. BLK 9, Destination = Inbound to SFRA enter "Dest Arpt". Outbound from SFRA enter "GATE" appropriate to SFRA departure.**
- 5. BLK 10, ETE = time to fly from Dep Pt (BLK 5) to Destination (BLK 9)**
- 6. BLK 11, Remarks = SFRA DUATS + addl cmts (like REQ PATTERN)**

Filing SFRA Flight Plans with FSS (JYO)

Washington DC SFRA Leesburg (JYO) Filing Instructions

DC SFRA Flight Plan – JYO Ingress/Egress Filing Instructions

1. TYPE		2. AIRCRAFT IDENTIFICATION		3. AIRCRAFT TYPE / SPECIAL EQUIPMENT		4. TLE ASSIGNED		5. DEPARTURE POINT		6. DEPARTURE TIME		7. CRUISING ALTITUDE	
<input checked="" type="checkbox"/>	VFR	N call sign		C182/X		120 XTR		LUCKE		PROPOSED (Z)	ACTUAL (Z)	VFR/025	
8. ROUTE OF FLIGHT													
9. DESTINATION (Name of airport and city)				10. EST. TIME ENROUTE		11. REMARKS							
JYO				0 20		SFRA DUATS							
12. FUEL ON BOARD			13. ALTERNATE (City/State)			14. PILOT'S NAME, ADDRESS & TELEPHONE NUMBER & AIRCRAFT HOME BASE					15. NUMBER ABOARD		
5		30				PYLOT, Paula xxx-xxx-xxxx KHEF					2		
16. COLOR OF AIRCRAFT			17. DESTINATION CONTACT/TELEPHONE (OPTIONAL)										
b/w			n/a										
<small>U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION (FAA USE ONLY) <input type="checkbox"/> PILOT BRIEFING <input type="checkbox"/> VNR TIME STARTED: SPECIALIST INITIALS</small> FLIGHT PLAN <input type="checkbox"/> STOPOVER													

FAA Form 7233-1 (4-92) Electronic Version (A0000) CLOSE VFR FLIGHT PLAN WITH _____ FSS ON ARRIVAL

1. Type = **IFR**
2. Aircraft Type = **C182/X** "X" saves FAA software from assigning Transponder Code since 1226 (EGRESS) or 1227 (INGRESS)
3. **LUCKE** = Departure Point or Destination
4. **VFR/025** = Altitude is 2500ft MSL but "VFR/" disables IFR Altitude FAA Software
5. **JYO** = Destination or Departure Point
6. Remarks = **SFRA DUATS**

*****This NOT a IFR flight plan or a Search & Rescue (SAR) flight plan**

Filing SFRA Flight Plans with DUATS PALEO SFRA Gate to Tipton (FME)

File FAA Domestic Flight Plan

Filing DC SFRA VFR Flight Plans

1. Type IFR	2. Aircraft Identification N7889N	3. Aircraft Type / Special Equipment C172 G - GPS, transponder, mode C	Number of Aircraft 1	<input type="checkbox"/> Heavy
4. True Airspeed (KTS) 110	5. Departure Point FME	6. Proposed Departure Time 1300 EDT	7. Cruising Altitude vfr/025	
8. Route of Flight Click to check for preferred routes				
9. Destination PALEO	10. Est. Time Enroute (HHMM) 0025	11. Remarks DC SFRA DUATS		
12. Fuel on Board (HHMM) 0400	13. Alternate Airport	14. Pilot Name and Address: Robert F Carpenter Phone: 410 648 0503	Aircraft Home Base: FME 15. Number Aboard 2	
16. Color of Aircraft w/o/black	17. Destination Contact (optional) Name: Fort Meade Flying Activity Phone: 410 648 0503			

You do not have to overfly SFRA PALEO Gate – it is used only to get your SFRA flight plan to the proper sector controller

Email Notification Option FP Ack. Email address **drbob144@gmail.com** Save as default

File This Flight Plan

Reset Form

Cancel and Return to Main Menu

CAUTION: This is not meant as an example of an IFR flight plan.

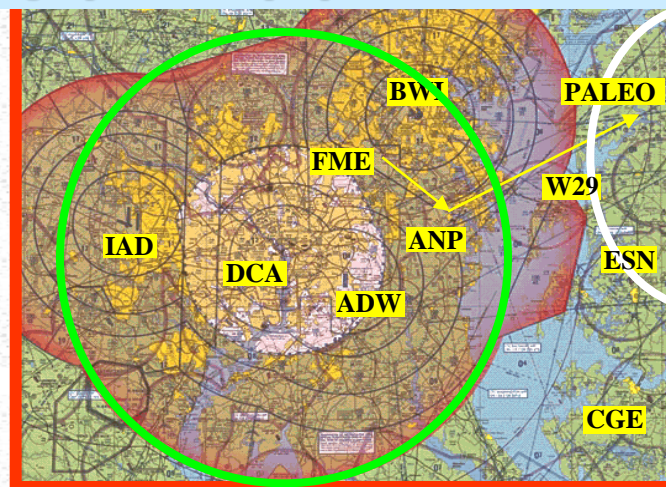
Filing ADIZ Flight Plans with DUATS PALEO SFRA Gate to Tipton (FME)

FAA Flight Plan Filed

Session number: 00512
Transaction number: 000127

You do not have to overfly SFRA gate – it is used only to get your SFRA flight plan to the proper sector controller

1	Type of flight plan:	IFR
2	Aircraft tail number:	N7889N
3	Acft type/special equip:	C172/G
4	True airspeed:	105
5	Departure point:	FME
6	Departure time: (UTC)	Mon Dec 5 17:00
7	Altitude:	VFR/025
8	Route of flight:	
9	Destination:	PALEO
10	Estimated time enroute:	0025
11	Remarks:	SFRA duats
12	Fuel on board:	0400
13	Alternate destination(s):	
14	Pilot's name:	ROBERT F CARPENTER
	Address	7540 Gen Av Blvd, Ft Meade, MD
	Phone no.:	302 987 6543
	Aircraft home base:	FME
15	Number aboard:	4
16	Color of aircraft:	W/RED/BLACK
17	Dest contact name:	Fort Meade Flying Activity
	Phone no.:	410 987 6543



Flight plan accepted by DynCorp IS DUAT service and will be filed with ZDC on Mon Dec 5 15:00 (UTC).

CAUTION: This is not meant as an example of an IFR flight plan.

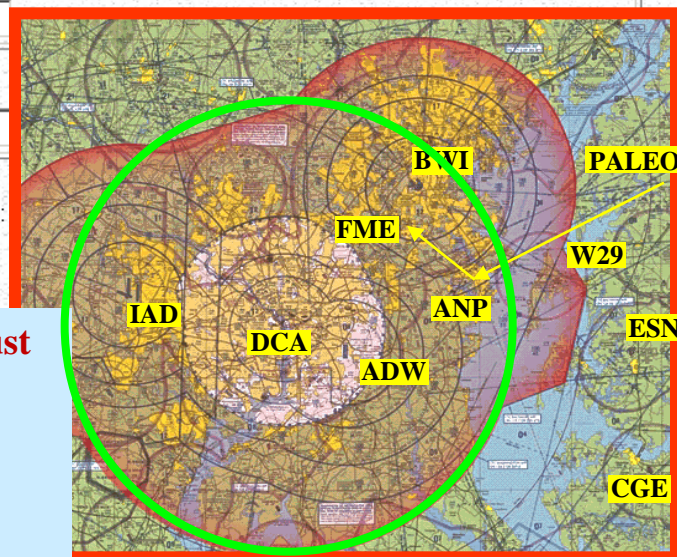
Filing SFRA Flight Plans with DUATS

Paleo SFRA to Tipton (FME) Gate

Filing DC ADIZ VFR Flight Plans

File FAA Domestic Flight Plan

1. Type IFR	2. Aircraft Identification N765XN	3. Aircraft Type / Special Equipment C172 G - GPS, transponder, mode C	<input type="checkbox"/> TCAS <input type="checkbox"/> Heavy
4. True Airspeed (KTS) 105	5. Departure Point PALEO	6. Proposed Departure Time 1200 EST	7. Cruising Altitude vfr/025
8. Route of Flight Click to check for preferred routes			
9. Destination FME	10. Est. Time Enroute (HHMM) 0025	11. Remarks SFRA DUATS	
12. Fuel on Board (HHMM) 0400	13. Alternate Airport	14. Pilot Name and Address: Robert F Carpenter Phone: 302 987 6543	



This is an example of an SFRA DUATS flight plan. Two boxes must be filled in as follows to allow for the SFRA flight plan:

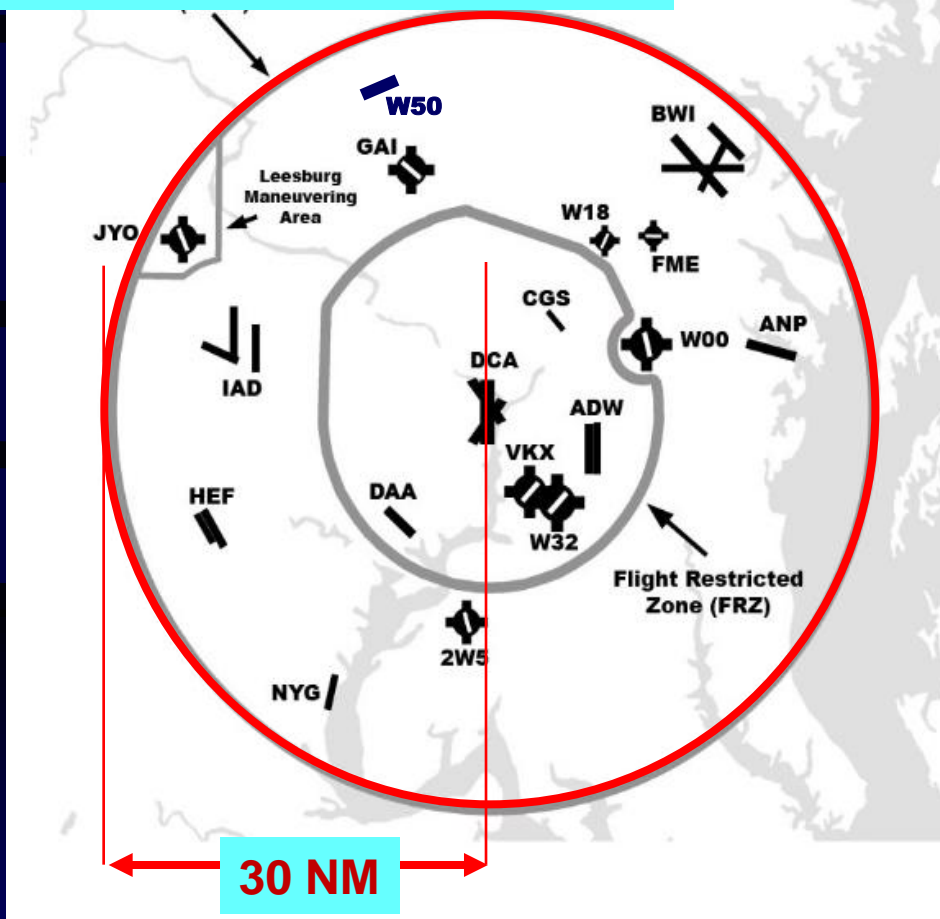
- (1) "IFR" has been chosen for "Type".
- (2) "vfr/0xx" in the "Cruising Altitude" box disables IFR altitude alerting software.

CAUTION: This is not meant as an example of an IFR flight plan.

Major Airports within DC SFRA

DC Special Flight Rules Area (SFRA)

[previously DC ADIZ]



ID	Arpt Name	City	Loc	ATC Area
2W5	Maryland	Indian Head, MD	SFRA	Mt Vernon
ADW	Andrews AFB	Camp Springs, MD	FRZ	Mt Vernon
ANP	Lee	Annapolis, MD	SFRA	Chesapeake
BWI	BWI Marshall	Baltimore, MD	SFRA	Chesapeake
CGS	College Park	College Park, MD	FRZ	Mt Vernon
DAA	Davison AAF	Ft Belvoir, VA	FRZ	Mt Vernon
DCA	Wash Reagan	Wash DC	FRZ	Mt Vernon
FME	Tipton	Ft Meade, MD	SFRA	Chesapeake
GAI	Montgomery Cty	Gaithersburg, MD	SFRA	Chesapeake
HEF	Manassas	Manassas, VA	SFRA	Shenandoah
IAD	Wash Dulles	Reston, VA	SFRA	Shenandoah
JYO	Godfrey	Leesburg, VA	SFRA	Shenandoah
NYG	Quantico MCAF	Quantico, VA	SFRA	Mt Vernon
VKX	Potomac	Friendly, MD	FRZ	Mt Vernon
W00	Freeway	Mitchellville, MD	SFRA	Mt Vernon
W18	Suburban	Laurel, MD	SFRA	Chesapeake
W32	Hyde	Clinton, MD	FRZ	Mt Vernon
W50	Davis	Laytonsville, MD	SFRA	Chesapeake

- = FRZ GA Airport
- = SFRA GA Airport
- = Military Airport

Potomac TRACON Numbers

Nearest Major Airport	Toll-Free Phone No	Toll Phone No	Area Description
Dulles (IAD)	866-709-4993	540-349-4097	Shenandoah Area
Reagan National (DCA) & Andrews AFB (ADW)	866-599-3874	540-349-0493	Mount Vernon Area
Baltimore (BWI)	866-429-5882	540-349-8478	Chesapeake Area
Richmond (RIC) & Charlottesville (CHO)	866-640-4124	540-349-9697	James River Area

Lockheed Martin (AFSS) Information

Contact AFSS within CONUS	800-WXB-RIEF (922-7433)
Washington Hub SFRA/FRZ Only	866-225-7410
Transcribed Wx Info Only (TIBS)	877-484-2799
General AFSS Information	www.AFSS.com

DC SFRA Requirements Summary

DCAVOR DME	Type of Operation	2-way Radio ?	Mode C ?	Xpdr Code ?	Flight Plan ?	FPL Type ?	Speed	Comm w/ATC ?	ATC Svcs Prov.
≥ 60nm and > 30nm	IFR Any	Yes	Yes	ATC- assigned discrete code	Yes	IFR Flt Plan	≤230 KIAS	Yes	All ATC Svcs
≤ 30nm	IFR Any	Yes	Yes	ATC- assigned discrete code	Yes	IFR Flt Plan	≤ 180 KIAS	Yes	All ATC Svcs
≥ 60nm and > 30nm	VFR Standard	No	to 30nm Washington Tri- Area Class B Veil	1200	No	n/a	≤230 KIAS	No	n/a
≤ 30nm	VFR Standard	Yes	Yes	ATC- assigned discrete code	Yes	DC ADIZ	≤ 180 KIAS	Yes	Security Svcs Only
≤ 30nm	VFR Pattern Work: All Non- Towered Airports	Yes	Yes	ATC- assigned discrete	Yes	DC ADIZ	≤ 180 KIAS	Use CTAF, monitor guard 121.5	Security Svcs Only
≤ 30nm	VFR Pattern Work: All Towered Airports	Yes	Yes	1234	No	None	≤ 180 KIAS	Remain in contact with tower	ATC Tower Services and Security Svcs
≤ 30nm	VFR Leesburg (JYO) Entry/Exit	Yes	Yes	1226 for exit, 1227 for entry	Yes	DC ADIZ	≤ 180 KIAS	Use CTAF, monitor guard 121.5	Security Svcs Only
≤ 30nm	VFR Fringe Airport Exit Only	Yes	Yes	1205 for exit	Yes	DC ADIZ	≤ 180 KIAS	monitor guard 121.5	Security Svcs Only

Summary (SFRA/TFR Musts)

1. Always file SFRA Flight plan with FSS or DUATS and get FSS Standard Briefing on NOTAMs, Weather, latest TFRs
2. Always squawk discrete code while within the SFRA
3. Always land as soon as practicable upon loss of radio or transponder within the SFRA (and contact ATC upon landing)
4. Always remain clear of the SFRA unless:
 - a) Squawking ATC-assigned discrete transponder code
 - b) ATC has observed your discrete transponder code on radar
5. Always remain clear of the FRZ, class B/D airspace, restricted airspace unless given POTOMAC ATC permission
6. Always monitor appropriate POTOMAC ATC frequency while within SFRA
7. Always, if practicable, monitor 121.5 MHz (Guard frequency) while in the SFRA

Summary (SFRA/TFR “Gotchas”)

1. Initial call-up use tail number only – ATC can’t give you SFRA service unless they know your tail number !!!!
2. You will NEVER get an SFRA clearance – ATC notifies you that your transponder is observed and you may proceed !!!!
3. While in the SFRA you are NOT given RADAR services unless you are given a Class B/D clearance or on IFR flight plan (keep your head on a swivel !!!!)
4. Communicate briefly and succinctly. ATC will not tolerate lengthy or ILL-focused communications !!!!
5. Listen up. ATC will not tolerate having to make two and three radio calls to an aircraft !!!!
6. Keep your discrete code to the ground. squawking 1200 for as little as ten seconds while in SFRA airspace will result in an FAA violation !!!!
7. Never squawk 1200 in SFRA !!!!
8. IAS \leq 180 Kts when \leq 30 DCA VOR/DME, IAS \leq 230 Kts when between 30 and 60 DCA VOR/DME

Mandatory DC SFRA Training for Pilots Operating VFR within 60 NMR of DCA VOR/DME – See 91.161 Eff 2/9/9

- 1. Special awareness training required for all pilots operating under VFR within 60 NMR of DC VOR/DME (Reagan Washington National Airport)**
- 2. Each pilot (PIC and/or SIC) in “1” has to take “Navigating the DC SFRA” online at FAAsafety.gov. Each pilot shall possess a certificate of completion of this training course and must present it for inspection upon request from:**
 - a) Authorized representative of the FAA**
 - b) Authorized representative of the NTSB**
 - c) Any Federal, State, or Local Law Enforcement Officer**
 - d) Authorized representative of the TSA**
- 3. Exceptions:**
 - a) Emergency declared under 91.3(b)**
 - b) Failure of two-way radio communications when operating IFR under 91.185**
 - c) Operating IFR**
 - d) Air Ambulance Aircraft certified to operate under Part 135**
 - e) U.S. Armed Forces Aircraft**
 - f) Law Enforcement Agency Aircraft**

FAAsafety.gov LOGON/Registration

File Edit View History Bookmarks Tools Help

http://faasafety.gov/

NEWS ALERT! Navigating the DC Special Flight Rules Area (SFRA) Course

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A Weekly Review of
Potential Accident Causes
Nuts and Bolts Newsletter

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Events I'm Registered For

Results 1 - 1 of 1. 3 per page

Date	Title	Location	Distance
3/14/2009 9:00 AM	Don't Sing the ADIZ Blues – Avoid Getting Busted! What about that mandatory ADIZ training required...	Laurel, DE	91 mi. from 20815

Upcoming Events Matching My Zip Codes

Results 7 - 9 of 11. 3 per page

Date	Title	Location	Distance
3/14/2009 9:00 AM	Don't Sing the ADIZ Blues – Avoid Getting Busted! What about that mandatory ADIZ training required...	Laurel, DE	91 mi. from 20815
3/14/2009 9:00 AM	Operation Takeoff! Pilot orientation on obtaining improved access...	Ashburn, VA	24 mi. from 20815
3/25/2009 7:00 PM	GPS From the Ground Up GPS operations as a whole, not just individual...	Gaithersburg, MD	11 mi. from 20815

1 2 3 4

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My FAAsafety.gov Courses (taken)

The screenshot shows a web browser window displaying the FAA Safety Team website. The browser's address bar shows the URL: https://faasafety.gov/gslac/ALC/learning.aspx. The website header includes a 'NEWS ALERT!' banner about the DC Special Flight Rules Area (SFRA) Course, a welcome message for user bobcarpenter44@comcast.net, and a navigation menu with links like 'FAA Home', 'FAAS Team Home', 'News', 'About FAAS Team', 'Learning Center', and 'SPANS'. A search bar is also present.

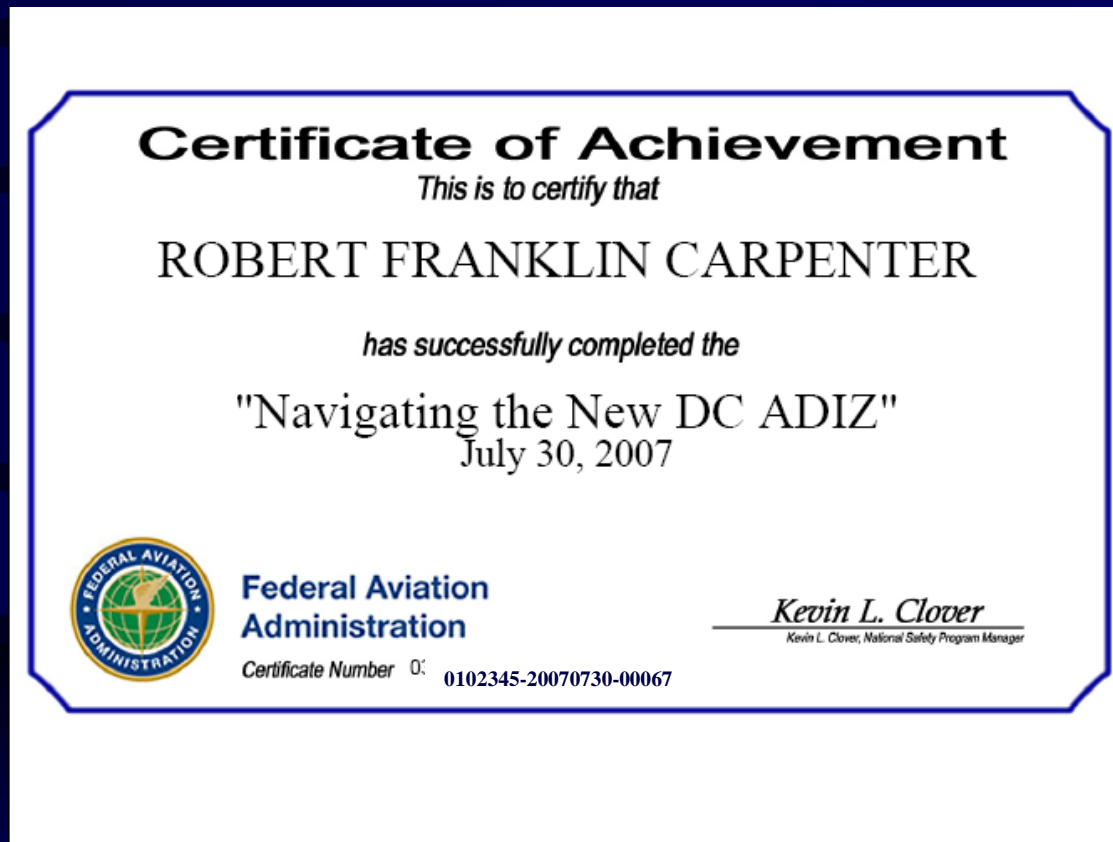
The main content area is titled 'My Courses' and contains the following text: 'Welcome to My Courses. When you have enrolled for or completed a course you will see those courses below. You may [browse the course catalog](#) to find available courses in the Aviation Learning Center. (There are 20 untaken course(s) available for enrollment)'. Below this is an 'Icon Legend' with icons for 'Begin/Resume Course', 'Withdraw From Course', 'Review Course', and 'View/Download Certificate'.

The 'Courses Completed' section is a table with the following data:

Title	Description
Navigating the DC ADIZ, TFRs, and Special Use Airspace	This course is intended to help pilots understand the requirements for operating in the DC ADIZ/FRZ, around TFRs, and near other types of special use airspace. <i>Last Completed March 20, 2006</i>
The Art of Aeronautical Decision-Making	This course presents a framework for developing situational awareness, evaluating options, and making safe decisions. <i>Last Completed February 16, 2009</i>
Inflight Icing	This course is designed to help pilots understand conditions and hazards of inflight icing, and to develop strategies to minimize inflight icing risks. <i>Last Completed February 4, 2008</i>
*Navigating the DC ADIZ / SFRA	This course explains the requirements and procedures for operating in the reconfigured Washington DC Air Defense Identification Zone (DC ADIZ), which will soon be known as the DC Special Flight Rules Area (SFRA). Successful completion satisfies the regulatory requirement mandated by 14 CFR Part 91.161, "Special Awareness Training" for any pilot who flies under VFR within a 60 nautical mile radius of the DCA VOR. <i>Last Completed November 3, 2008</i>
Know Your NOTAMS	This course provides information on the new "D" NOTAM format, which takes effect on January 28, 2008. <i>Last Completed October 11, 2008</i>
*Navigating the DC Special Flight Rules Area (SFRA)	Successful completion of this course fulfills the regulatory requirement for special awareness training on the Washington DC Special Flight Rules Area (SFRA) for pilots flying under VFR within 60 nm of the DCA VOR/DME. <i>Last Completed February 18, 2009</i>

The left sidebar contains a navigation menu with links such as 'SPANS Event Management', 'Credit Administration', 'FAAS Team Directory', 'FAASafety.gov Tools', 'Administrative Help', 'About the FAAS Team', 'My FAASafety.gov', 'Aviation Learning Center', 'WINGS - Pilot Proficiency Program', 'Maintenance Hangar', 'FAAS Team Directory', 'Events / Seminars', 'FAAS Team Notices', 'Pilots Resources', and 'Award Programs'.

Navigating the DC SFRA [Completion Certificates]



FULL PAGE SIZE CERTIFICATE 8.5"x11"

Navigating the DC SFRA

[Completion Certificates]

WALLET SIZE CERTIFICATE

Certificate of Achievement
This is to certify that

ROBERT FRANKLIN CARPENTER
has successfully completed the
Aviation Learning Center Online Course

"*Navigating the DC Special Flight Rules Area (SFRA)"
February 18, 2009

 Federal Aviation
Administration
Certificate Number: 0102345-20070730-00067

Kevin J. Clever
Director of Flight Operations

Cut out the small certificate above and keep with your airman certificate. You should keep the remainder of this sheet in a safe place in case you lose your certificate above.

Your Name
Your faasafety.gov Registered Username
Course Completed

ROBERT FRANKLIN CARPENTER
bobcarpenter44@comcast.net
*Navigating the DC Special Flight Rules Area (SFRA)
February 18, 2009

Course Completion Date
Course Completion Certificate Number

0102345-20070730-00067

Print out wallet size Certificate
Keep with Pilot Certificate