

# ***LEGACY FLIGHT DEMONSTRATION TEAM***



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## SECTION 1 – INTRODUCTION

Congratulations! Your airshow has been selected as a performance site for the F/A-18F SUPER HORNET Legacy Flight Demonstration. The purpose of this document is to provide your airshow with the information and requirements needed to host the F/A-18 portion of the demonstration. If there is also an F/A-18F SUPER HORNET Tactical Demonstration, the requirements will remain the same. We look forward to working with you and hope to help make your event a success.

### 1. CONTACT INFORMATION

When corresponding with the Super Hornet Legacy Flight Team, please send all letters, e-mails, and packages to the Super Hornet Tactical Demonstration team that is scheduled to support your air show. Listed below are the names, addresses, and phone numbers of the team members:

#### (1) Super Hornet Legacy Flight Demonstration

##### **Team Members and Email Addresses:**

LT Michael “Tina” Turner: michael.turner@navy.mil  
2008 Demo / Legacy Coordinator

##### **Mailing Address:**

VFA-122  
210 Reeves Blvd  
Hangar 5  
NAS Lemoore, CA 93246

##### **Phone and Fax Numbers:**

Phone: (559) 998-1960 or DSN 949-1960  
Fax: (559) 998-0275 or DSN 949-0275

**Civilian Legacy Flight:**

West Coast: Alan Anders 360 540 5112  
[anders\\_alan@hotmail.com](mailto:anders_alan@hotmail.com)

East Coast: Dan McCue  
(603) 973-6058  
[dmccue@maine.rr.com](mailto:dmccue@maine.rr.com)

**SECTION 2 – INFORMATION/PERSONNEL REQUIREMENTS**

1. INFORMATION REQUIREMENTS:

The Air Show Information Sheet (Attachment 2) contains some information needed by the team. Please send it as soon as possible but not later than 30 days before your air show. Additionally, please provide the Demonstration Team with a detailed schedule of your air show. It should list all scheduled events and performance times from opening to closing. **Civilian Legacy Pilots are part of the team**

## 2. PERSONNEL REQUIREMENTS:

The Super Hornet Legacy Flight Demonstration Team will likely bring 2 aircraft (demo a/c and 1 spare) with a total of 4 aircrew to the show site. The civilian Legacy Flight will be one or more aircraft with one aircrew per aircraft. Expect the aircraft to arrive the day prior to the practice airshow and stay until the day following the last performance. Other arrangements may be made by coordinating with the team.

### a. MAINTENANCE PERSONNEL:

(1) The Super Hornet Demo team normally requires two maintenance personnel at each show. Occasionally, the team will require three maintenance personnel. The need for three personnel normally occurs at shows that are scheduled to last more than three days or where the aircraft will make multiple flights (i.e. a Legacy and Tactical Demo flight in the same day).

(2) The Super Hornet Demo team requires the show to pay for round-trip air transportation for all maintenance support personnel. Flight reservations should be made to depart from and return to the Fresno, CA airport (identifier: KFAT). Arrival days are normally the day prior to the practice show and departure days are normally the day after the last performance (or the same day at some west coast show sites). Please arrange for pick-up and drop-off of maintenance personnel at the airport and coordinate the specific arrival/departure times with the team.

## SECTION 3 – LODGING/TRANSPORTATION

### 1. LODGING:

The airshow should furnish lodging for all members of the Demonstration Team using the following guidelines:

a. Provide six individual non-smoking rooms for the team (4 for aircrew and 2 for maintenance personnel), all at the same location. The team may also require additional rooms due to other circumstances/requirements for your show.

b. Reserve rooms under the Super Hornet Legacy Flight Demonstration Team name as team members may change at the last minute and confusion may arise if rooms are reserved under individual names.

c. Should the team's aircraft experience malfunctions, they may be forced to stay longer than planned. In that case, the team would require the rooms for as long as required to repair the jet.

d. A room is to be provided for the civilian Legacy pilot (s) and possibly one maintenance person per aircraft. These pilots should be billeted with the Navy Team if at all possible

### 2. VEHICLE REQUIREMENTS:

Please provide the team with a total of **four** vehicles (one sport utility/mini-van to carry maintenance tool boxes and equipment, and **three** mid-size cars).

**One of these vehicles shall be provided for the civilian Legacy pilot (s)** Vehicles assigned for team use should be available for the duration of their stay, including a continued stay due to aircraft maintenance problems if the need arises. Additionally, please ensure that team members are covered by **liability and damage** insurance while driving the courtesy vehicles.

## SECTION 4 – OPERATIONS

### 1. AIRFIELD DIAGRAM:

a. Airshow organizers should provide the Demonstration Team with a diagram of their airfield/show site. For deployed shows, the team requires a diagram of the show site as well as the airfield from which the aircraft will deploy. The airfield diagram should depict the following:

- (1) Show center location, coordinates, and elevation
- (2) The complete aerobatic box and boundaries of the waived airspace
- (3) The entire show line and crowd line (with distance between them), and any secondary crowd lines
- (4) Aircraft parking location and coordinates
- (5) Magnetic (MAG) bearing of the runway, depiction of Magnetic North, and the scale of the diagram
- (6) Access routes to show center and aircraft parking
- (7) Overhead imagery of the airfield and surrounding area
- (8) Hazards and obstacles in the area

### 2. SHOW LINE:

a. The show line should be an absolute straight path over the ground, located 1,500 feet in front of the crowd. If the crowd line is other than a straight line, the show line must be 1,500 feet from the closest spectator area. The Demonstration Team will use this line as the primary reference for all maneuvers.

b. All markers used to define the show line should be large, highly visible, and easily identifiable.

c. Over Water Show Line – For demonstrations flown over water, an artificial show line must be defined by fixed markers as described above. Additionally, please insure arrangements are made to keep non-participants from entering the aerobatic box during the demonstration.

### 3. SHOW CENTER:

a. Show center is the location on which the pilot uses to center each maneuver during the demonstration. Show center should be marked by a large, highly visible, and easily identifiable object.

### 4. AIRCRAFT PARKING:

a. Please coordinate parking with the senior maintenance representative when he/she arrives. The team prefers to park as close as safety permits to the crowd line so the crowd can see the aircrew and maintenance team at work. The spare demonstration aircraft cannot be used as a static display aircraft and should be parked in the same location as the primary demo jet.

b. Ensure the parking area has proper weight-bearing capacity (a fully fueled Demo aircraft weighs approximately 50,000 lbs.) If you are in doubt, contact the Super Hornet Demonstration Team.

c. Provide hangar space for aircraft in the event of severe weather (hail, etc.), maintenance of aircraft, or security concerns.

d. The parking area and all taxiways and runways the team uses must be free of foreign objects. It's mandatory that all surfaces (runways, taxiways, and ramps) be thoroughly swept before the team's arrival.

e. Please make every attempt to park civilian Legacy warbirds next to the FA-18 jets or where pilots can see each other from the cockpits of their respective aircraft  
Marshallers are appreciated and enhance safety for some warbirds due to limited forward visibility

### 5. DEMONSTRATION SPECIFICS:

a. The TACDEMO demonstration portion of our air show lasts approximately 10 minutes and the Legacy Flight portion is approximately 10 minutes. It is imperative that no other events be scheduled during this time and other acts should not be permitted to depart or land while the demonstration is in progress, unless there is prior coordination with team members.

b. The preferred time slot for the Legacy Flight Demonstration is between 1200 and 1500. Any time outside of this should be coordinated with the team beforehand. Additionally, if the Super Hornet Tactical Demonstration Team is

flying, the specific time and order of each event should be coordinated and de-conflicted with the aircrew.

## 6. GENERAL INFORMATION:

- a. The team will not exceed the speed of sound during their demonstration.
- b. If radio-controlled model aircraft will operate during your show, they must not come within 300 feet of the team's aircraft, laterally, or vertically.
- c. If you plan to use a 500-foot show line for civilian performers, the single-ship demonstration team aircraft must be parked at least 300 feet from the 500-foot show line to avoid over flight of their aircraft.
- d. To accommodate friends and family members, the team may request reserved seats/access to the VIP areas for Demonstration Team guests.
- e. Please ensure that the Demonstration Team has easy access to meals and drinks during the air show.
- f. Please do not request Legacy warbird pilots to name the show as "additional insured's" on their aircraft policies. Liability insurance for show organizers is available on the insurance market. To do so dilutes the owner/pilot's insurance limits ... which are already limited due to the enormous value of these warbirds.

## SECTION 5 – FAA WAIVER/NOTAMS

### 1. AIRSPACE REQUIREMENTS:

Demonstration Team aerobatic maneuvers require the following airspace:

- a. Five NM radius from show center
- b. SFC-5,000 feet AGL

### 2. FAA WAIVER:

a. A waiver from the Federal Aviation Administration is required for the Super Hornet Demonstration Team's aerobatic maneuvers during both the practice and actual air show demonstrations. The demonstration **and Legacy** pilots will sign the waiver upon arrival at your air show.

b. In order for the team to perform at your air show, you must request a waiver to the following FAA regulations.

- (1) 91.117(a) – Aircraft speed in excess of 250 knots below 10,000 feet
- (2) 91.117(b) – Aircraft speeds in an airport traffic area
- (3) 91.119(b) – Minimum safe altitudes over congested areas (Military teams with approved maneuver packages only)
- (4) 91.119(c) – Minimum safe altitudes over other than congested areas, except not closer than 500 feet to persons
- (5) 91.127 – Operating on or in the vicinity of an airport
- (6) 91-129 – Operations at airports with operating control towers (when appropriate)
- (7) 91.303 – Definition of aerobatic flight
- (8) 91.303(c) – Aerobatic flight within a federal airway
- (9) 91.303(e) – Aerobatic flight below an altitude of 1,500 feet above the surface

NOTE: Positioning turns for high performance aircraft operated by North American Demonstration Teams, regardless of the angle of bank or pitch attitude, but only as necessary to complete the turn, are not considered to be air show aerobatic maneuvers.

c. As a minimum, waiver time for the practice and demonstration must begin 5 minutes before scheduled takeoff and extend for 30 minutes. Although the actual demonstration only lasts approximately 10 minutes and 10 minutes for the Legacy Fight, the additional time is requested to allow flexibility for possible maintenance problems or weather conditions. Please ensure the required time blocks are accurately reflected on the waiver request.

### 3. NOTICE TO AIRMEN (NOTAMs):

a. Your airfield must be closed for the total time issued on the waiver for both the practice and actual aerial demonstration. This time includes closure to airlines at commercial or joint-use airfields.

b. Ensure a NOTAM is issued at least 48 hours in advance for both practice and actual demonstration waivers. Be sure to not only provide a NOTAM closing the airfield, but to include the closure requirement of 5 NM from show center and 5,000 feet AGL for practice or demonstration. Some show sites may additionally require a TFR to be in place during the airshow.

### 4. HAZARDS

a. Please provide the demonstration crew a sectional chart and advise of any hazards in the local area that are not readily apparent to transient aircraft. This information must be provided to the team prior to their arrival at your show site.

### 5. RUNWAY BARRIERS

a. Unless otherwise coordinated with the team, show sites without arresting gear and with runways less than 8,000 feet must provide temporary arresting gear if an airfield with suitable arresting gear is not within 80 NM of the show site.

### 6. LOCAL AIRPORTS

a. Please make sure you contact all airports within a 5 NM radius of your airfield to ensure they are shut down during the time periods specified in the FAA waiver.

## SECTION 6 – MAINTENANCE/SECURITY REQUIREMENTS

### 1. FUEL REQUIREMENTS

a. Aircraft require JP-5, JP-8, Jet-A or Jet A+. The Demonstration Team will require approximately 1,500 gallons of fuel per demonstration.

b. Military sites – Fuel will be purchased using the DOD fuel card for each respective aircraft.

c. Civilian sites – Navy regulations only allow the demonstration teams to pay the current government rate for fuel. It is essential that you communicate this requirement to your fuel provider. Any additional cost for fuel above the government rate will be the responsibility of the air show.

d. Civilian warbirds participating in the Legacy portion of the demo will be provided with fuel , either 100 LL or Jet A during the show and topped off before departure at the end of the show.

### 2. MAINTENANCE EQUIPMENT REQUIREMENTS:

a. The following maintenance equipment is required:

- (1). Hydraulic Cart (MIL-H-83282)
- (2). One 50 LB HALON or CO2 Fire Extinguisher
- (3). Universal Tow Bar
- (4). Tow vehicle
- (5). Nitrogen cart

2 b. Civilian Legacy Flight Warbird requirements:

Aircraft specific oil, oxygen and nitrogen. It is also advisable to have a towbar appropriate to the specific aircraft , the majority of which are tailwheel aircraft. (“universal” towbars for nose wheel typically do not work) Please contact individual pilots for specifics.

Hanger space must be available in the event of inclement weather (hail/high winds etc)

Please also provide: chocks, trash cans to remove trash /FOD

### 3. AIRCRAFT SECURITY:

a. For military installations: Security for demonstration aircraft at military installations will be in accordance DOD directives.

b. For Civilian locations:

(1). Arrange for around-the-clock protection of demonstration aircraft from arrival until departure through their local civilian law enforcement agency. No one is authorized to be on or around our aircraft without a Demonstration Team member escort.

(2). Throughout all periods at civilian airports when Demonstration Team personnel are not present, the following requirements must be met:

a). Aircraft will be surrounded by a rope or raised barrier and an armed security patrol must provide constant observation of the aircraft.

## **SECTION 7 – RECRUITING/PUBLIC APPEARANCES**

### **1. RECRUITING:**

a. The following ideas are some of the various ways to help us with our Navy recruiting effort and allow the public more access to the Demonstration Team:

(1). Since recruiting is at the heart of the Legacy Flight Team's mission, please contact your nearest Navy Recruiter as soon as possible and inform them of the planned Super Hornet Legacy Flight Demonstration. Some possible recruiting options include meeting with local Navy Recruiting personnel, providing space for a recruiting display booth, and arranging for enlistments/re-enlistments.

(2). Feel free to invite media representatives to the practice demonstration but please do not advertise the practice as an official demonstration.

(3). Practices are excellent for hosting groups, which would otherwise have difficulty seeing the actual demonstrations (physically challenged, elderly, etc.). Please notify the aircrew if you plan for any special groups to attend the practice and you would like them to meet the Demonstration Team.

### **2. PUBLIC APPEARANCES:**

a. All public appearances must be coordinated with the Demonstration Team before their arrival. Please provide the following information for each public relations event:

(1). Name of Event – Visit to school, hospital, dinner, interview, etc.

(2). Location of event and date/time.

(4). Host/Hostess/Sponsor – Please identify the individual or organization sponsoring the event and include their phone numbers.

(5). Description – A brief description of what the event sponsor/host would like the team to do while at the event.

(6). VIPs/Dignitaries Attending – The team would like to know who is attending any event, such as the mayor, civic dignitaries, military officials, etc.

(7). Attire – Please inform the team of the required dress for the event (military uniform, flight suit, civilian dress etc.).

## ATTACHMENT 1- REQUIREMENTS CHECKLIST

Please indicate that the following items have been completed and return it to the Team:

### Section 2 – Information/Personnel Requirements

- Air Show Information Sheet – attachment 2 – sent to team
- Schedule of events sent to team
- Commercial airline tickets purchased by airshow and itinerary sent to team

### Section 3 – Lodging/Transportation

- Hotel reservations for 7 non-smoking rooms
- Four rental cars reserved

### Section 4 – Operations

- Airfield diagram with the described information sent to team
- Show line/show center marked as described (including over water shows)
- FOD free ramp space reserved for 2 aircraft, near crowd line if able
- Hangar space available if needed
- Legacy Flight demonstration time between 1200 & 1500.
- VIP access/reserved seating for team member guests (if requested)

### Section 5 – FAA Waiver/NOTAMS

- Waivered airspace for 5NM from show center, SFC-5,000'AGL
- FAA waiver meets all described requirements
- NOTAM/TFR requested for practice and show times
- Team informed of any local area hazards
- Arresting gear available within 80NM of show site (unless coordinated)
- Local airports notified

### Section 6 – Maintenance/Security Requirements

- Required fuel available
- Civilian fuel provider notified of contract fuel price requirement
- Described maintenance equipment available
- Security arrangements made and requirements met for civilian show sites
- Required fuel and oil available for show to provide to civilian Legacy warbirds (100LL or Jet A)

### Section 7 – Recruiting/Public Appearances

- Local Navy recruiter notified of Super Hornet Demonstration
- Any special group meetings arranged with team
- Team notified of any scheduled public appearances

\_\_\_\_\_

Air Show Director Signature

Phone Number

Date

**ATTACHMENT 2 - AIR SHOW INFORMATION SHEET**

**AIRSHOW INFORMATION:**

Air Show Title \_\_\_\_\_ Airfield Name \_\_\_\_\_

Airshow Website Address \_\_\_\_\_

Airshow Show Date and Times \_\_\_\_\_

If Practice Airshow being held- Date and Time \_\_\_\_\_

Airshow Director Name and Phone/Email/FAX \_\_\_\_\_

\_\_\_\_\_

Airshow/Demo Coordinator Name and Phone/Email/FAX \_\_\_\_\_

\_\_\_\_\_

Housing/Transportation Coordinator and Phone/Email \_\_\_\_\_

\_\_\_\_\_

Military Base OPS or Civilian FBO Phone \_\_\_\_\_

Air Boss Name and Phone/Email \_\_\_\_\_

Blue Angels, Thunderbirds, or Snowbirds Performance Time \_\_\_\_\_

**DEMO TEAM REQUIRED INFORMATION:**

Aircraft Arrival Date and Time \_\_\_\_\_

Aircraft Departure Date and Time \_\_\_\_\_

Maintenance Personnel Arrival/Pickup Date and Time \_\_\_\_\_

Maintenance Personnel Departure/Drop- Off Date and Time

\_\_\_\_\_

Point of Contact for Maintenance Personnel Pickup/Drop-Off \_\_\_\_\_

\_\_\_\_\_

Lodging Reservation Number and Hotel Phone \_\_\_\_\_