



Formation Aerobatic Demonstration Team

Support Manual

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General Information

1.1 Introduction

Several items are required by Team Aerostar while at the air show site. The show sponsor is therefore requested to supply, (a) hotel/motel accommodations, (b) personal transportation, (c) aircraft hangar and service facilities at the airport, (d) servicing and maintenance assistance, (e) fuel, engine oil, and smoke oil for the show aircraft.

1.2 Lodging

Hotel/motel accommodations must be provided for the performers (4 rooms/non-smoking). Rooms should be reserved beginning the evening prior to the first press day. Due to weather constraints, please allow the hotel/motel accommodations to be extended through the evening following the last performance. The sponsor is not expected to pay any miscellaneous room charges.

1.3 Vehicles

Arrangements must be made for a late model automobile preferably a minivan or sport utility vehicle to be available at the **air show airport** upon arrival. Vehicles should be marked or have windshield passes with appropriate authority to allow access to all secured areas of the airport and the flight line at any time.

1.4 Aircraft Security

Arrangements must be made to provide secure hangar space for each aircraft upon arrival. Crowd control measures must be available to protect the aircraft while in the hangar as well as on the flight line during the air show.

1.5 VIP Tickets

Our biggest fans are our families, with out their support we would be unable to perform. We require **12 VIP** passes for our families when they are able to attend.

Aircraft Operational Requirements

2.1 Aircraft Fuel

Fuel must be available on the flight line for refueling between airshow flights. The aircraft will require 100/130 octane aviation fuel, or 100 octane low lead aviation fuel. Fuel requirements are:

<u>Aircraft</u>	<u>Each Performance</u>	<u>Refill After Show</u>
(3) Yak 52	36 Gallons	Top Off

Refueling operations are not permitted without the pilot at the aircraft.

2.2 Aircraft Engine Oil

Engine Oil must be available to replenish oil consumed during flight. Requirements for the performing aircraft are:

Amount/Type..... (24 Quarts) Phillips X/C 25w-60

2.3 Aircraft Smoke Oil

Smoke oil should be available before each flight and at the conclusion of each performance. The barrels must be portable by truck or by cart.

The smoke producing characteristic of oils varies so the correct oil must be supplied to produce dense white smoke. The preferred oil is **Cannopus oil #13.** If Cannopus is not available other paraffin based oils may be used.

Smoke Oil usage:

(3)Yak 52TW 30 gallons per performance

Miscellaneous Information

3.1 Aircraft Insurance

All Aerostars Aircraft carry liability insurance for all activities, including air shows, in the amount of \$1,000,000.00 per aircraft.

3.2 Airport Service Personnel

To insure that possible mechanical problems can be remedied, a qualified aircraft mechanic should be available during the air show.

3.3 FAA waiver Information

The following information should be used to fill out FAA form 7711-2 – Waiver Application

<u>Aircraft</u>	<u>Model</u>	<u>N-Number</u>	<u>Owner</u>
Yak	52TW	N621TW	Harvey Meek
Yak	52TW	N718PH	Paul Hornick
Yak	52TW	N252TW	David Monroe

<u>Pilot</u>	<u>Certificate No.</u>	<u>Medical</u>	<u>Waiver</u>
*Harvey Meek		1 st	Level 1
*Paul Hornick		1 st	Level 1
*David Monroe		1 st	Level 1

*Pilot certificate Information available on request

Performance Duration:	Formation Aerobatics	20 minutes
Night Duration:	Formation Aerobatics	20 minutes

3.4 Aerobatic Box Requirements

The Aerostars use a Category 3 show line and aerobatic box requirements per:

Federal Aviation Regulations

FAA Volume 3 Technical Administration Issue a Certificate of Waiver or Authorization for an Aviation Event

<http://fsims.faa.gov/wdocs/8900.1>

3.5 Weather Minimums

Ceiling and visibility as specified in the FAA issued waiver for the event location - winds – maximum 25 kts steady state or peak gust.

Air Show Checklist

4.1 Introduction

The successful production of an air show requires attention to hundreds of details, many of which may seem insignificant for advance planning. We hope this checklist will provide you with the answers to most of the Aerostars operational requirements.

4.2 Preliminary Items

- Booking confirmed by Aerostars, Inc
- Performance agreement signed and deposit sent to Aerostars, Inc

4.3 Advance Items

- Hotel/motel reserved for Aerostars Crew (4 non-smoking rooms)
- Automobiles reserved for Aerostars Crew (1 mini van or SUV)
- Press kits/press releases ready for distribution
- Liability insurance arranged with additional insured addendum if required

Air Show Checklist Cont:

- () Gate passes arranged
- () Fuel truck reserved
- () Smoke oil ordered
- () aircraft engine oil ordered 24 qts Phillips 25w 60
- () Smoke oil truck, pump, and hose reserved
- () Secure hangar space reserved

4.4 Pre-Show Items

- () Hotel/motel for Crew ready
- () Automobiles for Crew ready
- () Secure hangar ready
- () Fuel, engine oil, and equipment ready
- () Smoke oil and equipment ready
- () Local press/TV releases received
- () Local pre-show photography and TV shooting schedule confirmed with Aerostars, Inc
- () Local radio/TV appearances confirmed with Aerostars, Inc
- () Communication between Aerostars and announcer arranged
- () Vehicle and crew passes arranged