DBF 2017 Contest Information

The 2017 DBF Fly-Off weekend, hosted by Raytheon Missile Systems, will be held at the TIMPA model aircraft facility located on Reservation Road approximately 30 miles from the Tucson Airport. Maps and driving directions to the facility are included at the end of this document.

Local hotel information can be obtained from http://www.visittucson.org.

Information on the TIMPA site can be found at http://www.timpa.org.

**Date:** 20 - 23 April 2017

**Location:** Tucson International Modelplex Park Association (TIMPA), 3250 N Reservation Rd, Marana, AZ.

**Desert Preparedness:** Remember to bring sunscreen, hats and any other protection from the sun. Complementary water will be provided for the weekend.

**Emergency Communication:** In case of urgent or emergency communication needs during the contest weekend, the DBF committee will send an email to the official team email on record. Please assure that your contact email for your team is up to date. In addition, all urgent or emergency communications will be posted to the AIAA DBF Facebook page. Team members are encouraged to “Like” the page at:

http://www.facebook.com/Aiaadbf

**Schedule:** A preliminary schedule for the 2017 Fly-Off weekend is listed below. The competition duration has been increased to allow more teams to participate this year. The schedule is subject to revision based on the number of reports received and teams eligible to attend the fly-off phase. Schedule listed is for the 2017 fly-off only and may be different for future contest years.

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**Thursday**

1200 - Teams will be given access to the facility.

1300 - Tech inspection opens. Be sure your *Pre-Tech and First-Flight Certification* form (available on the website) is completed, signed, and with you as you will need to present it to enter Tech inspection. You should also bring an in-flight photo or video with you as in prior years. The tech inspection order will be based on report scores as listed in the rules.

**Friday**

0700 - Gates opened to teams and judges
0800 - Tech inspection opens.

0930 - Mandatory Pilot Briefing. Final details on flight mission procedures and rules will be presented during the briefing. It is essential that all teams attend the briefing so they are aware of all procedures and requirements before they come to the flight line for their flight(s).

1000 - (Approx) Flight Line will open following the Pilot Briefing. Flight order will be based on report scores as listed in the rules. Flight order will be e-mailed to teams the Wednesday prior to fly-off.

1800 - Field closed for contest flights (you must be IN THE AIR by this time for the flight to be counted)

1900 - All students must be off of the facility

1930 - Gates secured for the night

**Saturday**

0700 - Gates opened to teams and judges

0800 - Mandatory Pilot Briefing. Final details on flight mission procedures and rules will be presented during the briefing. It is essential that all teams attend the briefing so they are aware of all procedures and requirements before they come to the flight line for their flight(s).

0830 - (Approx) Flight Line will open following the Pilot Briefing. Flight order will continue from prior day. Tech Inspection opens.

1800 - Field closed for contest flights (you must be IN THE AIR by this time for the flight to be counted)

1900 - All students must be off of the facility

1930 - Gates secured for the night

**Sunday**

0700 - Gates opened to teams and judges

0800 - Mandatory Pilot Briefing. Final details on flight mission procedures and rules will be presented during the briefing. It is essential that all teams attend the briefing so they are aware of all procedures and requirements before they come to the flight line for their flight(s).

0830 - (Approx) Flight Line will open following the Pilot Briefing. Flight order will continue from prior day. Tech Inspection opens.

1700 - Field closed for contest flights (you must be IN THE AIR by this time for the flight to be counted).

*NOTE: Sunday closing time is different from prior days.*

1730 - Awards presentation

1800 - All students must be off of the facility

1830 - Gates secured for the night

**Security/Visitor Access**

Although this is not a secured facility, it is property of the City of Tucson and participants must follow all posted rules. The contest is not a public event and we would prefer to keep the number of outside visitors to a minimum.

**Facility:**
We will provide tents and electric power stations for battery charging for the teams. The permanent building at the site will be reserved for official contest activities, including the tech inspections. There is plenty of parking available, however we ask that teams bringing trailers should park them in the rear areas to maximize the available close-in parking. Please follow the unloading procedures herein for everyone’s safety.

If you plan on leaving trailers or tents overnight, you must obtain permission from the on-site coordinator, Russ Althof, at eralthof@raytheon.com.

**Food:**

Food and vending will be available on-site.

**DBF Gold Sponsors:** In addition to our Premier sponsors Raytheon and Textron Aviation, the AIAA Foundation and the DBF Organizing Committee would like to welcome the following Gold Sponsors for the 2017 competition year:

- **Aurora Flight Sciences**
- **Esteco**
- **General Atomics**
- **Lockheed Martin**
- **Northrup Grumman**
- **SpaceX**

Look for representatives for the Premier and Gold sponsors on site and don’t forget to bring your resumes!
Morning Entry & Unloading Procedure:

- Proceed from the main gate to the unloading area in a slow, orderly and friendly manner.
- No vehicles are allowed off of the main road or beyond the designated red lines.
- No unloading will occur until in the designated unloading area.
  - Wait in your vehicles until the teams in front of you have safely cleared the unloading area.
  - You may proceed directly to the parking area and unload from there instead.
- Once unloaded, safely and slowly proceed to the parking area.

Reservation Rd is a long and bumpy dirt road, so remember:

- Bumpy Dirt Roads
- Induce Roll, Yaw & Pitch
- Slow Down for DBF
- Or End Up in the Ditch!
Driving Directions

• NOTE: Ina Rd at I-10 is closed for construction (we hope it will be open for DBF 2019!). Access to Ina Rd west should be via Silverbell Rd or Cortaro Rd. Please confirm your route with your favorite GPS or maps app.

From Tucson Airport:
- North on Tucson Blvd which will turn into Benson Hwy after a curve to the left
- Benson Hwy to Ajo Way and turn left (west)
- 15 miles on Ajo Way (Hwy 86) to Sandario Rd, turn right (north)
- Sandario Rd to San Joaquin Red, turn left (northwest)
- San Joaquin Rd to Mile Wide Rd, turn left (west)
- Mile Wide Rd to Reservation Rd, turn right (north) [* SEE NOTE]
- The entrance to the TIMPA facility will be on the right

From Ina and Cortaro Rds:
- Ina Rd west of Silverbell Rd or Cortaro Rd west/southwest to Ina (dead end) and turn right (west)
- Ina Rd will turn into Wade Rd at the left turn (south)
- Wade Rd will turn into Picture Rocks Rd as you go through Saguaro National Park
- Follow Picture Rocks Rd to Sandario Rd, turn left (south)
- Sandario Rd to Manville Rd, turn right (west)
- Manville Rd to Reservation Rd, turn left (south)
- The entrance to the TIMPA facility will be on the left

From I-10 Corridor:
- East (actually travelling SE) on I-10 to I-19 South
- I-19 to Ajo Way and turn right (west)
- 12 miles on Ajo Way (Hwy 86) to Sandario Rd, turn right (north)
- Sandario Rd to San Joaquin Red, turn left (northwest)
- San Joaquin Rd to Mile Wide Rd, turn left (west)
- Mile Wide Rd to Reservation Rd, turn right (north) [* SEE CAUTION]
- The entrance to the TIMPA facility will be on the right

From I-10 Corridor – Scenic Route:
- West on Speedway Blvd which will turn into Gates Pass Rd over the Tucson mountains (Gates Pass – watch for bicycles!! and stop and check out the view from the top of the pass!!)
- On the other side of the pass, Gates Pass Rd will dead end into Kinney Rd, turn right (northwest)
- Stay on Kinney Rd past the Desert Museum and turn left on Mile Wide Rd.
- Mile Wide Rd to Reservation Rd, turn right (north) [* SEE CAUTION]
- The entrance to the TIMPA facility will be on the right

• CAUTION: There is a single lane bridge along Mile Wide Rd (how ironic) as you approach Reservation Rd. USE CAUTION!!