

## TOUR DESCRIPTIONS

- **Airborne Internet (AI) Laboratory – (15 people: Ages 11 & Up)** Building 301  
Enabling network connectivity on aircraft to send and receive crucial information such as air traffic control, weather, turbulence and airport information and landing conditions. Internet connectivity will also be provided to enable email, web browsing and other internet functions.

The AI Lab is the place where we work with advancing the concept of the AI communication system. We have aircraft radios and ground radios as well as computer systems that use the same commercial technologies as the Internet. This is the thing of the future! The "Lab" includes the flight test capability with our fleet of R&D aircraft. We currently have one Convair aircraft equipped with AI but will be adding AI other aircraft later. We will also enhance our Lab demonstration capability to show how more than one aircraft can be connected to each other and to the ground networks. 1 Demo : **8:45 Departure**

- **ATC Lab Package – Building 300, 3<sup>rd</sup> Floor: (30 people Ages 7 & Up)**  
Experience the feeling of being an Air Traffic Controller in the Standard Terminal Automation Replacement System (STARS) Lab. You might even get the opportunity to sit down at the ATC display with a controller.

Have you ever wondered how many aircraft are flying at any given time? Do you know what such a display would look like? Come visit the Enhanced Traffic Management System (ETMS) lab. We might even be able to isolate the display to see what is happening in our area. This is a package where groups will switch. *1 Demo*  
**Depart 8:50**

- **Crashworthiness / Drop Test - Building 207 : (25 people Ages 7 & Up)**  
Meet the Drop Test “Dummies”. See remains of previous drop tests in the parts yard. *2 Demos – 8:45 Departure; 1:00 Departure*
- **Fire House – Building 302 : (25 people All Ages)**  
See the airport Crash & Rescue vehicles. Meet the firemen and see equipment used to help fight fires. *3 Demos – 8:55 Departure; 12:45 Departure; 2:10 Departure*
- **Federal Air Marshal Demo: (25 people Ages 11 & Up)**  
Oral demos and Alpha Range, Air Marshall training explained, Demo at steel bravo range . *2 Demos – 10:05 Departure; 12:55 Departure*
- **Egg Harbor Township K-9 Demo –Building 300 Fenced area: (No limit All Ages)**  
Meet some of Egg Harbor Township’s K-9 Officers and their dogs. Learn about the procedures in training. Watch the dogs in action. *1 Demo – 9:55 Departure*

- **National Airport Pavement Test Facility – Building 296: (20 people Ages 11 & Up)**  
The 900 ft long X 60 ft wide pavement was developed to accommodate heavier, more complex aircraft. Subsystems of the pavement will be explained. Ride the “giant” test vehicle as it rides over the different pavement sections. *2 Demos – 1:00 Departure; 2:10 Departure*
- **Test Aircraft – Building 301: ( 25 people Ages 7 & Up)**  
Learn about and see some of the aircraft. That our pilots use to test programs, weather, etc. Climb aboard and see the equipment. *1 Demo - 8:45 Departure*
- **Target Generator Facility- Building 300, 2<sup>nd</sup> Floor: (25 people Ages 7 & Up)**  
Listen as pilots and controllers communicate with one another. See how we simulate “scenarios”. Learn about: targets, aircraft Ids, altitude, etc. *2 Demos – 8:45 Departure; 1:05 Departure*
- **Wind Tunnel – Building 204: (15 people All ages)**  
Learn about testing done in the tunnel and walk through the wind tunnel. Children can hear their echo. *1 Demo – 8:45 Departure*
- **United States Coast Guard – Building 350: (25 people All ages)**  
Climb into the choppers; see equipment used; learn more about preparations necessary for a “run” at the Coast Guard Ground Unit Atlantic City. *3 Demos - 8:55 Departure; 12:45 Departure; 2:10 Departure*