

AIAA Commercial Space Group Mojave Tour Information

Ken Davidian

**In preparation for the
November 2008 tour to the
Mojave Air and Spaceport**

Executive Summary

- AIAA Commercial Space Group is organizing a tour to visit NewSpace companies with the purpose of educating the AIAA membership about commercial space activities.
- The first of a planned series of tours to Mojave will take place on Tuesday, November 18, 2008.
- Companies and organizations to be visited include AirLaunch LLC, XCOR Aerospace, Masten Space Systems, and the Mojave Air and Space Port.
- The cost of the tour is \$100 per person.
- Dress code for the tour is “casual and comfortable”. Walking shoes are highly recommended. Coats should be appropriate for the season based on weather forecasts.
- Tour attendees are asked to congregate at the Trimana Grill, (within short walking distance from, and just south of the AIAA West Coast Office building), located in the complex of buildings at 909 N Sepulveda Blvd in El Segundo, next to LAX, at approximately 07:30.
- All-day parking at the 999 N Sepulveda building complex is \$11.
- The tour bus will depart the Trimana Grill at 07:45 and return to the same location at 17:00.

Details of the itinerary for the November 18th tour, based on the results of the site visit conducted on Thursday, November 6, are presented below.

General Tour Information

The following is general logistical and administrative information about the Mojave NewSpace tour.

AIAA COMMERCIAL SPACE GROUP

The American Institute of Aeronautics and Astronautics (AIAA) Commercial Space Group (CSG) was created in early 2008 to introduce the traditional AIAA membership to all sectors of commercial space, including but not limited to the emerging “NewSpace” sector. In support of this purpose, the CSG is organizing a series of tours to visit companies operating at the Mojave Air and Space Port located in Mojave, California.

Ken Davidian - Ken Davidian is the “Encourage, Facilitate, and Promote” (EFP) Program Lead at the Federal Aviation Administration’s (FAA’s) Office of Commercial Space Transportation (AST), located in Washington, DC. Ken is also the head of the AIAA CSG and acts as the guide for the Mojave tour.

Below is Ken’s contact information:

- Work Address: FAA AST, 800 Independence Ave SW, Washington DC 20591
- Tel: (o) 202-267-7214, (c) 202-503-0657
- Email: ken.davidian@faa.gov

Eleanor Aldrich - Eleanor Aldrich is the AIAA Executive Liaison and interface to the AIAA administrative support services that assist the CSG tour activities.

Below is Eleanor’s contact information:

- Work Address: AIAA, 1801 Alexander Bell Dr, Ste 500, Reston, VA 20191-4344
- Tel: (o) 703-264-7522 , (c) 571-235-0528
- Email: eleanora@aiaa.org

Tour Stops

COST The cost of the tour is \$100 per person, payable to AIAA. This covers the cost of the bus rental and the food and beverage services that will be available on the bus.

The cost does not include the cost of lunch, which is the responsibility of each participant. The lunch location and approximate costs you can expect to pay are described below.

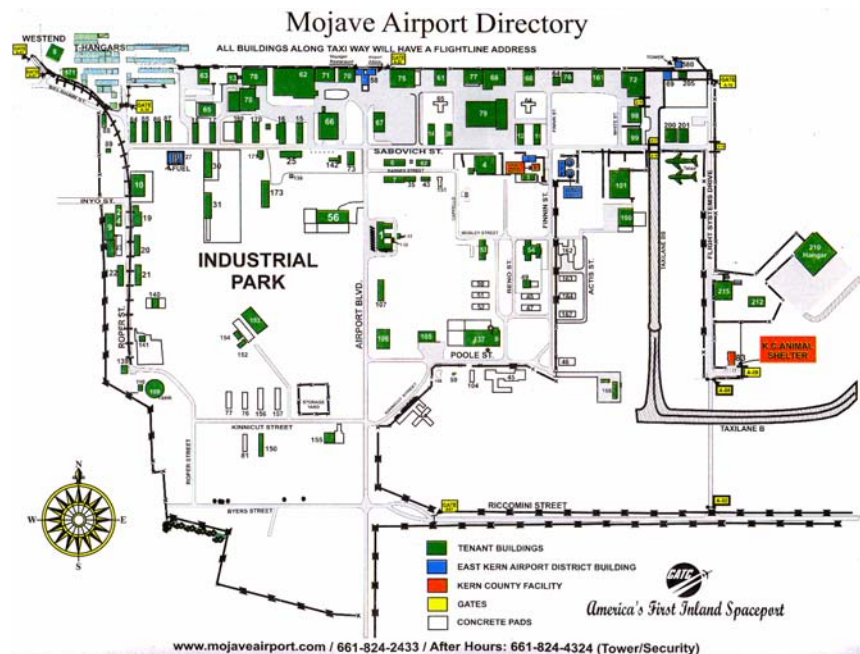
DRESS CODE The dress code for this tour is informal to business casual. In any case, please make sure you wear comfortable (walking) shoes and bring appropriate protective wear and gear (i.e. coats, umbrellas) that match the weather forecast for the tour date.

Tour Stops

The following companies and organizations are the sites that will be featured on the upcoming tour.

MOJAVE AIR & SPACE PORT

The Mojave Air and Space Port is located in Mojave, California at the northern end of route 14, approximately 100 miles driving distance from Los Angeles International airport (LAX). A map of the airport complex, and a close-up of the buildings included on the tour (circled in red), are shown below.



Tour Itinerary

The following is an overview description of the tour itinerary followed by a more detailed description of each tour stop.

ITINERARY OVERVIEW The table below provides an overview of the tour agenda. It is followed by a more detailed description of each agenda item.

Start Time	End Time	Event Description
07:15	07:45	Assembly at AIAA West Coast Office
08:00	10:00	Transit to Mojave, Introductory Presentations
10:00	11:00	Tour of AirLaunch Test Facilities
11:00	11:30	Overview of Mojave Air and Space Port
11:30	12:30	Lunch at Voyager Restaurant
12:30	13:30	Tour of XCOR Aerospace
13:30	14:30	Tour of Masten Space Systems Test Facilities
14:30	16:30	Depart Mojave; Return to AIAA West Coast Office
16:30	17:00	End of Tour

ITINERARY DETAILS Below is a more detailed description of what will take place at each of the tour stops.

07:15-07:45 Assembly at AIAA West Coast Office

- Tour attendees will be asked to meet at Trimana Grill (located at 909 N Sepulveda Blvd in El Segundo, tel: 310-726-0920) between 07:15 and 07:45.
- The cost of all-day parking at the AIAA Bldg (located at 999 N Sepulveda Blvd in El Segundo, located adjacent to the Trimana Grill) is \$11.
- The bus will pull up in front of the coffee shop and boarding will begin at 07:45.



08:00-10:00 Transit to Mojave

- The total trip time from AIAA West Coast Office to the Mojave Air and Space Port is approximately 2 hours, depending on traffic.

Tour Itinerary

- En route, 3 overview presentations will be given by Ken Davidian on the following topics:
 - Logistics, Commercial Space
 - NewSpace Introduction & Status
 - Tour Background Information
- Each presentation will be approximately 20 minutes each, with time after each for discussion.

10:00-11:00 AirLaunch, Building 76

- Tour plans are to arrive at stop #1, AirLaunch, at approximately 10:00.
- AirLaunch Operations Manager, Ken Doyle, will be picked up, and he will provide a company description as the bus drives to the AirLaunch test facilities site.
- Upon arrival, people will get out of the bus and be able to walk around, take pictures, and ask questions.
- At approximately 10:30, we will reboard the bus and be transported to the next stop.



11:00-11:30: Mojave Air and Space Port, Building 58

- Upon arrival at building 58, the tour attendees will leave the bus and be guided into the administration conference room.
- Mojave Air and Space Port General Manager, Stu Witt, will deliver the Welcoming Remarks and give an overview of the facility.
- Approximately 10 minutes before lunch, there will be a break.



11:30-12:30 Lunch at Voyager Restaurant, Building 58

Tour Itinerary

- The group will be assembled at 11:30 in the Voyage Restaurant and we will be seated together.
- The restaurant is located in the same building where the Mojave overview presentation will be given.
- There is a full-service menu available with sandwiches and salads costing between \$5-\$10, from which the attendees will be able to order their lunch.
- The restaurant can be found on the web at www.majaveairport.com/voyager.htm.
- Tour attendees will be able to walk around Legacy Park (picture below) before or after lunch as time permits.



12:30-13:30 XCOR Aerospace, Building 61

- After lunch, the group will walk to the next tour site, building 61.
- The group will go to the XCOR conference room where they will receive a company overview presentation by Rich Pournelle (picture right).
- Following the overview presentation, the group will tour the rest of the facilities, including the machine shop and hangar, receiving a description of the different projects underway.



13:30-14:30 Masten Space Systems, Building 25

- After the XCOR tour is completed, the group will board the bus and be taken to building 25, where Masten president, David Masten (pictured right), will board.
- As the bus takes the group to the Masten test facilities site, Dave Masten will provide a company overview and description.
- Upon arrival at the test site, people will be able to get out of the bus and walk around, take pictures, and ask questions.
- At approximately 16:15, we will reboard the bus and take Dave back to building 25.



14:30-16:30 Return to AIAA West Coast Office

- Finally, the group will be transported to building 58 where they can use the rest rooms prior to the group's departure from Mojave.
- The group will board the bus at approximately 14:30 to return to the AIAA West Coast Office.
- On the way back, there will be a showing of the Discovery Channel Production "Black Sky".

16:30-17:00 End of Tour

- At 17:00, the bus will arrive back at the AIAA West Coast Office location and people will then be free to get in their cars and return home.