



# Spaceport America Cup

## Integrated Master Schedule Document

*The electronic version is the official, approved document.  
Verify this is the correct version before use.*

## 1.0 INTRODUCTION

The Experimental Sounding Rocket Association (ESRA) and the New Mexico Spaceport Authority (aka Spaceport America; NMSA) have partnered to host and support the Spaceport America Cup (SAC), a week-long series of events which will set the background and provide structure for the world's largest university rocket engineering competition. This new host-event continues the Intercollegiate Rocket Engineering Competition's (IREC) legacy of inspiring student design teams from across the country and around the world.

### 1.1 BACKGROUND

The “smoke and fire,” noise, high speeds, and sleek aerodynamics of rocketry encourage students to pursue science, technology, and mathematics based careers. They have "Rocket Fever!", and competition motivates them to extend themselves beyond the classroom to design and build the rockets themselves. These students also learn to work as a team, solving real world problems under the same pressures they'll experience in their future careers.

ESRA held the first annual IREC in 2006. The competition achieved international status in 2011 when Canadian and Brazilian universities threw their hats in the ring. These schools have since been joined by others from every continent except Antarctica. In fact the competition has roughly doubled in size every year since 2013, becoming the largest known collegiate level rocket engineering competition in the world in 2014. Attendance in 2016 included as many as 600 participants – including faculty, family, and friends of students from over 50 colleges and universities.

### 1.2 PURPOSE AND SCOPE

This document primarily defines the schedule on which participants in the Spaceport America Cup: Intercollegiate Rocket Engineering Competition must submit required deliverables to the event organizers in order to be considered "timely" in scoring. The impact of timeliness on scoring is described for each respective deliverable in Section 2.8 of the *IREC Rules & Requirements Document*, maintained on the ESRA website ([TBD\\_direct URL](#)). Furthermore this document, integrates other information useful to participants, such as the deadlines for early, on-time, or late payment of fees, due dates for required waivers/forms, and the detailed event schedule of the Spaceport America Cup itself.

### 1.3 REVISION

The SAC Integrated Master Schedule Document is a living document and will be updated as needed throughout the year leading up to the Spaceport America Cup in response to real-world events. The most up to date version will always be maintained on the ESRA website ([TBD\\_direct URL](#)). Participants should always verify they are working to the correct version by checking the Effective Date recorded on the header of their copy matches the version currently stored on the ESRA website. Updates to the SAC Integrated Master Schedule Document will always be announced via e-mail and other means.

*NOTE: The event organizers will never revise the SAC Integrated Master Schedule Document to make the due dates of upcoming deliverables sooner than originally scheduled.*

### 1.4 DOCUMENTATION

The following documents include standards, guidelines, schedules, or required standard forms. The documents listed in this section are either applicable to the extend specified in this document, or contain reference information useful in the application of this document.

DOCUMENT	FILE LOCATION
IREC Rules & Requirements Document	<a href="#">TBD_direct URL</a>
IREC Entry Form & Progress Update	<a href="#">TBD_direct URL</a>
IREC Project Technical Report Template	<a href="#">TBD_direct URL</a>

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DOCUMENT	FILE LOCATION
IREC Extended Abstract Template	(TBD_direct URL)
SAC NMSA Waiver & Release of Liability Form	(TBD_direct URL)
SAC ESRA Waiver & Release of Liability Form	(TBD_direct URL)
IREC Consent to Limited PII Release Form	(TBD_direct URL)

## 2.0 IREC DELIVERABLES SCHEDULE AND OTHER IMPORTANT PRE-EVENT DATES

The following table records the schedule on which participants in the Spaceport America Cup: Intercollegiate Rocket Engineering Competition must submit required deliverables to the event organizers in order to be considered "timely" in scoring, as well as the due dates for competition fees and required waivers/forms. Unless otherwise specified, all times given are Eastern Daylight Time (EDT).

*Note: Generally, there is no strict deadline for entering "late" into the IREC. Teams entering into the competition should accompany their entry form with an e-mail addressed to ESRA ([experimentalsoundingrocket@gmail.com](mailto:experimentalsoundingrocket@gmail.com)), alerting the organizers to check for the late entry. Such entries will receive their Team ID shortly after receipt of the entry form and instructions on how subsequent deliverables will be handled – including those missed due to the late entry.*

**The Spaceport America Cup: Intercollegiate Rocket Engineering Competition fee structure and fee schedule remain TBD at this time.**

DATE	ACTION(S)
1700 25 NOV 2016	Submit Project Entry Form as per Section 2.7.1 of the <i>IREC Rules &amp; Requirements Document</i>
1700 27 JAN 2017	Submit 1 <sup>st</sup> Progress Update as per Section 2.7.1 of the <i>IREC Rules &amp; Requirements Document</i>
1700 24 MAR 2017	Submit 2 <sup>nd</sup> Progress Update as per Section 2.7.1 of the <i>IREC Rules &amp; Requirements Document</i>
1700 26 MAY 2017	Submit 3 <sup>rd</sup> Progress Update as per Section 2.7.1 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit Project Technical Report as per Section 2.7.2 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit Poster Session Materials as per Section 2.7.3 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit Podium Session Materials as per Section 2.7.4 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit School Participation Letter as per Section 2.7.5.1 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit SAC NMSA Waiver and Release of Liability Form as per Section 2.7.5.2 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit SAC ESRA Waiver and Release of Liability Form as per Section 2.7.5.3 of the <i>IREC Rules &amp; Requirements Document</i>
	Submit IREC Consent to Limited PII Release Form as per Section 2.7.5.4 of the <i>IREC Rules &amp; Requirements Document</i>

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### **3.0 IREC DELIVERABLES SCHEDULE AND OTHER IMPORTANT PRE-EVENT DATES**

The following table records the detailed schedule of events for the Spaceport America Cup. Unless otherwise specified, all times given are Eastern Daylight Time (EDT).

The Spaceport America Cup will be held 20-24 June in Las Cruces, New Mexico. **The detailed event schedule remains TBD at this time.**