

# Latin American Space Challenge 2023 LASC Edition



## Master Schedule Document

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Verify this is the correct version before use.*

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## LIST OF REVISIONS

REVISION	DESCRIPTION	DATE
00	Baseline of the 2023 LASC Master Schedule Document.	16/01/2023
01	New Deadlines for the Ticket Payment Dates.	23/03/2023

## 1. INTRODUCTION

The Latin American Space Challenge (LASC), hosted at the Cape Canavial area in Brazil, is Latin America's largest experimental rocket and satellite engineering competition.

It is widely recognized that such STEM competitions foster innovation and motivate students to extend themselves beyond the classroom, while learning to work as a team, solving real world problems under the same pressures they will experience in their future careers.

The event seeks to stimulate students, startup entrepreneurs and enthusiasts to complete a simulated space mission, by designing and building the rockets and satellites themselves. is a combination of the Rocket Challenge and the Satellite Challenge.

Since LASC's first edition, in 2019, where more than 350 students were present to 2022, with 1,600 students participating, the growth of the competition is visible with an increasing number of interested teams applying to the competition.

This document defines the rules and requirements governing participation in LASC. Revisions of this document will be accomplished by document reissue, marked by the version number.

## 2. REVISION

The LASC Master Schedule Document is a living document and will be updated as needed throughout the period leading up to the Latin American Space Challenge - at the event itself if necessary - in response to real-world events. The most up to date version will always be maintained on the website <http://www.lasc.space/>.

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 LASC website. Updates to the LASC Master Schedule Document will always be announced via website and other means.

*Note: The event organizers will never revise this document to make the due dates of upcoming deliverables sooner than originally scheduled.*

## 3. PRE-EVENT AND DELIVERABLES DATES

The following table records the schedule on which participants in the **2023 Latin American Space Challenge** 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 and forms.

**Table 1: Pre-event and Deliverables Important Dates.**

DATE	ACTION
<p><b>19 January 2023</b> 21:00 BRT</p>	<p><b>2023 LASC Kickstart</b> with the official announcement of all rules, requirements and schedule for the Rocket and Satellite Challenge.</p>
<p><b>25 January 2023</b> 19:00 BRT</p>	<p><b>Entry Application</b> window <u>begins</u> per Section 6 of the 2023 LASC Rules &amp; Requirements Document. The Team Registration Form will be available on the 2023 Latin American Space Challenge HeroX page: <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a>.</p>
<p><b>10 February 2023</b> 23:00 BRT</p>	<p><b>Entry Application</b> window <u>closes</u> per Section 6 of the 2023 LASC Rules &amp; Requirements Document.</p>
<p><b>12 February 2023</b> 19:30 BRT</p>	<p><b>Acceptance Announcement</b> per Section 6 of the 2023 LASC Rules &amp; Requirements Document. Official List will be available on <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a> and <a href="http://www.lasc.space/">http://www.lasc.space/</a>.</p>
<p><b>26 March 2023</b> 23:00 BRT</p>	<p>Submit <b>1st Progress Update</b> per Section 9.1 of the 2023 LASC Rules &amp; Requirements Document. The form shall be submitted by the 2023 Latin American Space Challenge HeroX page: <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a>.</p>
	<p>Submit <b>Mission Patch</b> per Section 9.2 of the 2023 LASC Rules &amp; Requirements Document. The file shall be submitted by the 2023 Latin American Space Challenge HeroX page: <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a>.</p>
<p><b>28 May 2023</b> 23:00 BRT</p>	<p>Submit <b>2nd Progress Update</b> per Section 9.1 of the 2023 LASC Rules &amp; Requirements Document. The form shall be submitted by the 2023 Latin American Space Challenge HeroX page: <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a>.</p>
	<p>Submit <b>Readiness Review Video</b> per Section 9.3 of the 2023 LASC Rules &amp; Requirements Document. The YouTube link shall be submitted by the 2023 Latin American Space Challenge HeroX page: <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a>.</p>
<p><b>31 July 2023</b> 23:00 BRT</p>	<p>Submit <b>Project Technical Report</b> per Section 9.4 of the 2023 LASC Rules &amp; Requirements Document. The file shall be submitted by the 2023 Latin American Space Challenge HeroX page: <a href="https://www.herox.com/SpaceChallenge2023">https://www.herox.com/SpaceChallenge2023</a>.</p>

Unless otherwise specified, all times given are **Brasília Time (BRT, UTC-3)**. More information is available on <http://www.lasc.space/>.

#### 4. TICKET PAYMENT DATES

The following table records the schedule on which Teams, Rocketeers and Satelliteers in the **2023 Latin American Space Challenge** must pay for their tickets. Late payments are allowed, however prices will increase.

*Table 2: Ticket Payment Dates.*

DATE	ACTION
<b>07 April 2023</b> 23:00 BRT	<p>This is the on-time payment deadline for the BRL 1,000.00 <b>Team Ticket</b> in accordance with Section 6.4 of the LASC 2023 Rules and Requirements Document. This ticket increases to BRL 1500,00 for late-payment.</p> <p>The Team Ticket will be paid using the payment link provided on the LASC website: <a href="http://www.lasc.space/">http://www.lasc.space/</a></p>
<b>05 May 2023</b> 23:00 BRT	<p>The BRL 1,000.00 <b>Team Ticket</b> is no longer refundable or if a team who has paid announces their intention to withdraw after this date. The refund shall be requested by e-mail to <a href="mailto:lasc@lasc.space">lasc@lasc.space</a> before the deadline.</p>
	<p>This is the on-time payment deadline for the BRL 75.00 <b>Rocketeer &amp; Satelliteer Ticket</b> in accordance with Section 6.4 of the LASC 2023 Rules and Requirements Document. This ticket increases to BRL 150.00 for late-payment.</p> <p>The <b>Rocketeer &amp; Satelliteer Ticket</b> will be paid using the payment link provided on <a href="http://www.lasc.space/">http://www.lasc.space/</a></p>

The ticket payment dates and link for **Spectator Tickets** will be available later on a specific website.

Brazilian Teams have until April 14, 2023 to request invoices or any other special payment procedure, such as processes involving public administration. After this date, a service fee of BRL 1,000.00 will be included in the total amount. This new rule was imposed on this year's event due to the **high workload** of the LASC staff involving legal invoices and special payments.

#### 5. 2023 LASC EVENT SCHEDULE OVERVIEW

The following table records the detailed schedule of events for the **2023 Latin American Space Challenge**. The 2023 LASC will be held on-site. Detailed schedules of each day's events are provided in the following sections.

**Table 3: 2023 LASC Event Schedule.**

DATE	EVENT(S)
<p><b>24 August 2023</b> <i>Thursday</i> To be determined</p>	<p><b>Rocketeer &amp; Sateliteer Check-in:</b> LASC staff and volunteers will conduct check-in for Rocketeers and Sateliteer. At least one representative from each team must check-in all the Rocketeers associated with their team. Once checked-in, Rocketeers will receive their event credentials.</p> <p><b>2023 LASC Conference:</b> The 2023 LASC Conference will host experience exchange between teams and LASC Evaluators inspections of the design implementation.</p>
<p><b>25 August 2023</b> <i>Friday</i> Cape Canavial</p>	<p><b>Kickstart and Safety Briefing:</b> All participants will gather for a kick-off presentation and mandatory safety briefing for launch operations.</p> <p><b>Group Photo:</b> All participants will gather for group photos, opting for themselves whether or not to include their projects.</p> <p><b>Launch day:</b> Launch and recovery operations will occur on-site at the Cape Canavial Launch Area (CCLA). There will be spectator viewing areas set up and teams will be able to display their rockets after recovery.</p>
<p><b>26 August 2023</b> <i>Saturday</i> Cape Canavial</p>	<p><b>Launch day:</b> Launch and recovery operations will occur on-site at the Cape Canavial Launch Area (CCLA). There will be spectator viewing areas set up and teams will be able to display their rockets after recovery.</p>
<p><b>27 August 2023</b> <i>Sunday</i> Cape Canavial</p>	<p><b>Final Launch Day:</b> Launch and recovery operations will occur on-site at the Cape Canavial Launch Area (CCLA). There will be spectator viewing areas set up and teams will be able to display their rockets after recovery.</p> <p><b>Awards Ceremony:</b> For participants, family, friends, faculty, and media, the awards ceremony will take place at the sunset of the last launch day.</p>

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