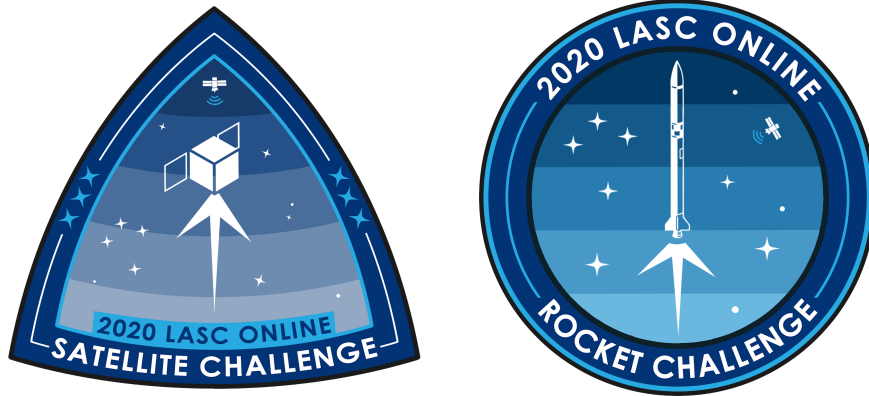


# **2020 LASC**

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# **ONLINE**



## **Latin American Space Challenge (LASC)**

### **2020 LASC Online Edition**

### **Master Integrated Schedule Document**

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Verify this is the correct version before use.*

## Revision History

REVISION	DESCRIPTION	DATE
00	Baseline of the document.	10/02/2020
01	Major Revision: 2020 LASC Online Edition.	09/08/2020
02	Revision on dates for the submission of Podium Session Materials and Poster Session Materials.	07/11/2020

## 1. INTRODUCTION

The *Latin American Space Challenge* (LASC) is a three-day series of events which will set the background and provide structure for the Latin America's largest experimental rocket engineering competition.

Due to the COVID-19 pandemic, the **2020 LASC Online** will be a virtual event. Teams will be challenged to develop, simulate and present their rocket projects submitting progress reports, simulation results, project technical reports and videos describing their project. Also, the **2020 LASC Online** will host a *sprint*-like event for online challenges for the registered teams.

For the **safety** of all *rocketeers*, *satelliteers*, general public and LASC Organization, the 2020 Latin American Space Challenge will not host a scored *launch window*.

## 2. BACKGROUND

The noise, fire, high speeds, and the adrenaline of launching a rocket encourage people to pursue science, technology, and mathematics based careers and for the progress of the science and technology of their countries.

A space competition motivates them to extend themselves beyond the classroom to design and build the rockets themselves. Students enrolled in this challenge also could learn to work as a team, solving real world problems under the same pressures they'll experience in their future careers.

The *Latin American Space Challenge* (LASC) has a mission to motivate people from all latin american countries to develop and launch a rocket with a smallsat as a payload. The vision of the LASC is to provide motivation for latin american students and enthusiasts to pursue their dreams

## 3. PURPOSE AND SCOPE

This document primarily defines the schedule on which participants in the *Latin American Space Challenge* 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 6 of the LASC Rules & Requirements Document, maintained on the LASC website.

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 *Latin American Space Challenge* itself.

Additional documents and complementary guidance for the **2020 LASC Online** will be published on the LASC website.

#### 4. REVISION

It is expected the LASC Master Schedule Document may require revision in the months leading up to a competition. Also, major revisions will be accomplished by complete document reissue. Such revisions will be reflected in updates to the document's effective date.

The LASC Integrated 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 LASC website.

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 Integrated 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.*

#### 5. DOCUMENTATION

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

DOCUMENT	FILE LOCATION
LASC Rules & Requirements Document	<a href="http://lasc.space/documents-and-rules/">http://lasc.space/documents-and-rules/</a>
2020 LASC Rocket and Satellite Challenge	<a href="http://lasc.space/documents-and-rules/">http://lasc.space/documents-and-rules/</a>
LASC Forms and Templates	<a href="http://lasc.space/documents-and-rules/">http://lasc.space/documents-and-rules/</a>

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#### 6. DELIVERABLES AND PRE-EVENT DATES

The following table records the schedule on which participants in the *2020 Latin American Space Challenge Online* 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. Unless otherwise specified, all times given are Brasilia Time (BRT).

DEADLINE DATE	ACTION
23:00 - 16 AUG 2020	<b>Entry Application</b> due per Section 5 of the 2020 LASC Online Rules & Requirements Document. The link for the Google Form will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
20:00 - 17 AUG 2020	<b>Acceptance Announcement</b> per Section 5 of the 2020 LASC Online Rules & Requirements Document. Official List will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
23:00 - 30 AUG 2020	Submit <b>1st Progress Update and Mission Patch</b> per Section 8 of the 2020 LASC Online Rules & Requirements Document. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
23:00 - 04 OCT 2020	Submit <b>Final Progress Update</b> per Section 8 of the LASC Rules & Requirements Document. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
23:00 - 11 OCT 2020	Submit <b>Preliminary Design Review Video</b> per Section 2.4 of the 2020 LASC Rocket and Satellite Challenge. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
23:00 - 08 NOV 2020	Submit <b>Project Technical Report</b> per Section 8.5.3 of the 2020 LASC Online Rules & Requirements Document. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
23:00 - 15 NOV 2020	Submit <b>Virtual Poster Session Materials</b> per Section 8.5.4 of the 2020 LASC Online Rules & Requirements Document. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
23:00 - 15 NOV 2020	Submit <b>Virtual Podium Session Materials</b> per Section 8.5.5 of the 2020 LASC Online Rules & Requirements Document. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .
20:00 - 18 NOV 2020	<b>Announcement of Teams Selected for the LASC Online Conference Day Podium Session</b> per Section 8.5.5 of the 2020 LASC Online Rules & Requirements Document. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a> .

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## 7. 2020 LASC ONLINE EVENT SCHEDULE OVERVIEW

The following table records the detailed schedule of events for the *Latin American Space Challenge*. Unless otherwise specified, all times given are Brasília Time (BRT). The *2020 Latin American Space Challenge* will be held **online**. Detailed schedules of each day's events are provided in the following sections.

DATE	EVENT(S)
20:00 - 22 NOV 2020	<p><b>2020 LASC Online Challenge Presentation</b> per Section 3.1 and 3.2 of the 2020 LASC Rocket and Satellite Challenge. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a>.</p> <p>The meeting will be held online on Google Meet for Team Leaders and on YouTube for Rocketeers, Satelliteers and General Public. The Challenge Presentation will be the moment that LASC Organization will provide the details of each challenge for the Registered Teams.</p>
20:00 - 23 NOV 2020	<p>Submit the topic of the <b>Challenge(s) Picked for the 2020 LASC Online Challenge</b> per Section 3.3 of the 2020 LASC Rocket and Satellite Challenge. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a>.</p>
21:00 - 23 NOV 2020	<p><b>Announcement of Challenges Picked for the 2020 LASC Online Challenge by Teams</b> per Section 3.3 of the 2020 LASC Rocket and Satellite Challenge. Link will be available on the LASC Team Center: <a href="http://lasc.space/team-center/">http://lasc.space/team-center/</a>.</p>
09:00 - 28 NOV 2020	<p><b>2020 LASC Online Conference:</b> Held online via YouTube and Google Meet, the LASC Conference will host presentations of companies and organizations on the future of space activities.</p> <p><b>Conference Podium Session:</b> Held online via YouTube and Google Meet, the Conference Day gives students, judges, the public, and media a chance to watch presentations of the selected projects. Judges will begin evaluating projects as defined in the LASC Rules &amp; Requirements Document.</p>
14:00 - 29 NOV 2020	<p><b>2020 Rocket and Satellite Challenge Presentations:</b> Each team participating in LASC will present their solutions for the challenges in sessions of 20 minutes online via Google Meet and live streamed on YouTube. There will be a 10 minutes of Q/A for each presentation.</p> <p><b>Awards Ceremony:</b> For participants, spectators, and media, the awards ceremony will take place online - livestream on YouTube.</p>

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