



Submission Form Preview

Section 1: Introduction

Title *

Give your submission a catchy title that describes the idea and gets people interested.

Title

0/50


Short description

Provide a brief description of your idea. Be clear and concise.

Short description

0/140

Image

 An Image boosts your message by illustrating your solution. Ensure your image is at least 650 pixels wide by 366 pixels tall for clarity.

Supported File Types: **PNG, JPG**



Upload Image

Section 2: Eligibility

Choose Your Team *

Each Team has one valid Team ID. Please, choose your Team ID.

- 1 - Antares Foguetemodelismo
- 2 - Apex Rocketry
- 3 - Arcturus Rocket Team

- 4 - AREGEON
- 5 - Asa Branca Aerospace
- 6 - Beyond Rocket Design
- 7 - Cactus Rockets Design
- 8 - Capital Rocket Team
- 9 - Carcará Rocket Design
- 10 - CEELL - CEP
- 11 - Chaska
- 12 - CIEA UNAC
- 13 - Conexalab
- 14 - Czar Space
- 15 - Dept. of Space Science and Eng. - NCU
- 16 - Dragonfly
- 17 - En El Tule Aeroespacial
- 18 - EPOS Projetos Aeroespaciais
- 19 - EPTA Team
- 20 - Equipe Rocket
- 21 - ERAA Aeroespacial
- 22 - Estelar Rocket team
- 23 - Etherea
- 24 - Eurasia Space Systems
- 25 - Experimental Propulsion Lab
- 26 - FEG Rocket Design
- 27 - Fênix - Estudos Astronáuticos
- 28 - Galaxy Explorer
- 29 - Gama CubeDesign
- 30 - GIP UdeC
- 31 - GISAT UdeC
- 32 - Grupo de Foguetes do Rio de Janeiro (GFRJ)
- 33 - Grupo de Foguetes IFSC Gaspar (GFIG)

- 34 - Hatun Mayu
- 35 - Horus
- 36 - IITB Rocket Team
- 37 - IITK Rocketry and Space Exploration Team
- 38 - Impetus
- 39 - IPN Rocket Team
- 40 - ITA Rocket Design
- 41 - ITBA Rocketry Team
- 42 - Katari Society
- 43 - Kondakova Rocketry Club
- 44 - Kosmos Rocketry
- 45 - Los Pirómanos
- 46 - Minerva Rockets e Sats UFRJ
- 47 - Monterrey Rocket Lab
- 48 - Nova Aerospace
- 49 - NUST Rocket Team
- 50 - Orion Aerospace Design
- 51 - Ortahisar Creatiny Rocket Team
- 52 - Paulet Cooperation Project
- 53 - Phoenix-Rocketry
- 54 - PoliSat
- 55 - Potiguar Rocket Design
- 56 - PotroRockets SAFI-UAEMex
- 57 - Programa CEOS
- 58 - Projeto Jupiter
- 59 - Propulsion Industries
- 60 - Propulsión UNAM
- 61 - RedCarbon
- 62 - Rk-TESE
- 63 - RocketLAV Volga

- 64 - RocketWolf
- 65 - SCUA
- 66 - SIIME
- 67 - Sirius Aerospace
- 68 - Sky Rocket
- 69 - Space Dragons
- 70 - Space Milk
- 71 - Space Time
- 72 - SPL Rocketry Team
- 73 - STES Rocketry Team
- 74 - Supernova Rocketry
- 75 - Tau Rocket Team
- 76 - Team Aarambh
- 77 - Team Abhyuday
- 78 - Team Antariksh
- 79 - Topus Projetos Aeroespaciais
- 80 - Trishul
- 81 - UDEG SPACE
- 82 - UFABC Rocket Design
- 83 - UNESP Rocket Design
- 84 - Void Laboratories
- 85 - Volta
- 86 - Zenith Rocketry
- 87 - AtaUni Rocket Team
- 88 - Club de Ciencias y Tecnologías Espaciales
- 89 - Gokova Rocket

Mission ID *

Inform a valid Mission ID for this 1st Progress Update. Example: 99-A.

Note: if your team is participating in different challenges/categories, you shall fill multiple times this 1st Progress Update.

If you have any question, please contact LASC as soon as possible.

Mission ID

0/3000

Project Name *

The name of the Rocket or Satellite project that you are filling this Progress Update.

Project Name

0/3000

Category *

- 0.5 km - Solid Motors**
- 1 km - Hybrid/Liquid**
- 1 km - Solid Motors**
- 3 km - Hybrid/Liquid**
- 3 km - Solid Motors**
- CubeSat**
- PocketQube/CanSat**
- Non-Competing**

Is there a category change since Acceptance Announcement? *

If your team has changed the Category of the project of the indicated Mission ID, please inform YES.

- No**
- Yes**

Mission Patch

Inform a valid link for the Mission Patch for this Mission ID. The image shall be in high definition in PNG or JPG. Reference: Section 9.2. Mission Patch of the 2023 LASC Rules and Requirements Document.

Mission Patch

Section 3: Rocket Challenge

The section Rocket Challenge shall be filled ONLY if your Mission ID is related to an accepted Rocket Project. If you have more than one mission, you will need to fill the 1st Progress Update multiple times. For numerical fields, please use periods as decimal separator (e.g., 14.2 not 14,2).

Airframe Diameter [mm]

Section "Rocket Information"

Airframe Diameter [mm]

0/3000

Vehicle Length [kg]

Section "Rocket Information"

Vehicle Length [kg]

0/3000

Vehicle Weight [kg]

Section "Rocket Information"

Vehicle Weight [kg]

0/3000

Propellant Weight [kg]

Section "Rocket Information"

Propellant Weight [kg]

0/3000

Payload Weight [kg]

Section "Rocket Information"

Payload Weight [kg]

0/3000

Liftoff Weight [kg]

Section "Rocket Information"

Liftoff Weight [kg]

0/3000

Center of Pressure Location [cm from nosecone tip]

Section "Rocket Information"

Center of Pressure Location [cm from nosecone tip]

0/3000

Center of Gravity Location [cm from nosecone tip]

Section "Rocket Information"

Center of Gravity Location [cm from nosecone tip]

0/3000

Static Margin

Section "Rocket Information"

Static Margin

0/3000

Number of Fins

Section "Rocket Information"

Number of Fins

0/3000

Fin Design and Attachment Discussion

Section "Rocket Information"

Please, inform the shape and dimensions of the fins, manufacture method and materials, attachments to the rocket body and other relevant information.

Fin Design and Attachment Discussion

0/5000

Total Impulse [N.s]

Section "Motor Details"

Total Impulse [N.s]

0/3000

Average Thrust [N]

Section "Motor Details"

Average Thrust [N]

0/3000

Peak Thrust [N]

Section "Motor Details"

Peak Thrust [N]

0/3000

Burn Duration [s]

Section "Motor Details"

Burn Duration [s]

0/3000

Specific Impulse [s]

Section "Motor Details"

Specific Impulse [s]

0/3000

Maximum Expected Operating Pressure (in psi)

Section "Motor Details"

Maximum Expected Operating Pressure (in psi)

0/3000

Motor and Propellant Discussion

Section "Motor Details"

Please, inform dimensions of your motor, including outer diameter (in mm), inner diameter (in mm), combustion chamber length (in mm), total length (in mm), oxidizer details and mass (in kg), fuel details and mass (in kg), inhibitor (if applicable), thermal protection (if applicable), other relevant information.

Motor and Propellant Discussion

0/5000

Propulsion System Tests

Section "Motor Details"

Please, inform on past and planned tests, including goals, results, lessons learnt and other relevant information.

Propulsion System Tests

0/5000

Ground Support Equipment & Testing

Section "Motor Details"

If you have a Hybrid or Liquid Rocket Engine, please inform on past and planned tests of the ground support equipment, including description, goals, results, lessons learnt and other relevant information.

Ground Support Equipment & Testing

0/5000

Liftoff Thrust-Weight Ratio [X:1]

Section "Predicted Flight Data and Analysis"

Liftoff Thrust-Weight Ratio [X:1]

0/3000

Launch Rail Departure Velocity [m/s]

Section "Predicted Flight Data and Analysis"

Launch Rail Departure Velocity [m/s]

0/3000

Maximum Acceleration [G]

Section "Predicted Flight Data and Analysis"

Maximum Acceleration [G]

0/3000

Maximum Velocity [m/s]

Section "Predicted Flight Data and Analysis"

Maximum Velocity [m/s]

0/3000

Predicted Apogee [m]

Section "Predicted Flight Data and Analysis"

Predicted Apogee [m]

0/3000

Drogue Deployment Altitude [m] (if applicable)

Section "Recovery"

Drogue Deployment Altitude [m] (if applicable)

0/3000

Drogue Deployment Charges [grams] (if applicable)

Section "Recovery"

Drogue Deployment Charges [grams] (if applicable)

0/3000

Drogue Descent Rate [m/s] (if applicable)

Section "Recovery"

Drogue Descent Rate [m/s] (if applicable)

0/3000

Main Deployment Altitude [m]

Section "Recovery"

Main Deployment Altitude [m]

0/3000

Main Deployment Charges [grams]

Section "Recovery"

Main Deployment Charges [grams]

0/3000

Main Descent Rate [m/s]

Section "Recovery"

Main Descent Rate [m/s]

0/3000

Recovery System Discussion

Section "Recovery"

Please, describe your concept of operations for the recovery system.

Recovery System Discussion

0/5000

Additional Comments

Section "Additional Comments"

If you have any additional comments in any aspect of your project, please fill this field. Note: Do NOT send any external link for access. Our judges will not access any external repository other than this form.

Additional Comments

0/5000

Section 4: Satellite Challenge

The section Satellite Challenge shall be filled ONLY if your Mission ID is related to an accepted Satellite Project. If you have more than one mission, you will need to fill the 1st Progress Update multiple times. For numerical fields, please use periods as decimal separator (e.g., 14.2 not 14,2).

Exterior Dimensions [mm]

Section "Satellite Information"

Format: L x W x H (in mm) or D x H (in mm)

Example A: 100 x 100 x 100 (CubeSat 1 U)

Example B: 66 x 110 (CanSat)

Note: Do NOT include backplate dimensions if you have a PocketQube project.

Exterior Dimensions [mm]

0/3000

Sliding Backplate Dimension [mm] (if applicable)

Section "Satellite Information"

If you are participating with a PocketQube project, use this format: L x W x T (in mm), where "T" is for thickness. Example: 58 x 64 x 1.6

Sliding Backplate Dimension [mm] (if applicable)

0/3000

Satellite Total Mass [g]

Section "Satellite Information"

Satellite Total Mass [g]

0/3000

Satellite Mission, Goals and ConOps

Section "Satellite Information"

Please, inform the satellite mission and all goals with the mission. Also, please detail the

Concep of Operations (ConOps) of the satellite.

Satellite Mission, Goals and ConOps

0/5000

Electrical Power System

Section "Electrical Power System"

Please, detail your EPS, including battery (type/chemistry, available power, voltage, capacity etc.), converters, etc. If your satellite has solar pannels, please describe the system, efficiency, and other relevant information.

Electrical Power System

0/5000

Communication System

Section "Communication System"

If applicable, please detail your Communication system (telemetry, RX/TX, frequencies, antenna, etc.). If your satellite does not have a real-time link to the satellite, please inform how data ais stored and the procedure to retrieve all information post-flight.

Communication System

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On Board Data Handling System

Section "On Board Data Handling System"

Please, detail your OBDH system.

On Board Data Handling System

0/5000

Sensors, Actuators & Additional Systems

Section "Sensors, Actuators & Additional Systems"

Please, detail any sensor, actuator and other systems of your satellite project.

Sensors, Actuators & Additional Systems

0/5000

Planned Tests & Discussion

Section "Planned Tests"

Please, inform on past and planned tests, including goals, results, lessons learnt and other relevant information.

Planned Tests & Discussion

0/5000

Additional Comments

Section "Additional Comments"

If you have any additional comments in any aspect of your project, please fill this field. Note: Do NOT send any external link for access. Our judges will not access any external repository other than this form.

Additional Comments

0/5000

Section 5: Agreement on 2023 LASC Requirementst and Rules

Do you agree with all Rules and Requirements of the 2023 LASC? *

All information filled in this form is the responsibility of the teams.

Yes

No

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Yes

No