



A U S T R A L I A N
U N I V E R S I T I E S
R O C K E T
C O M P E T I T I O N

2025 AURC Registration Information Pack

Version 1.2: 26 October 2024





Revision History

Revision	Description	Date
Version 1.0	Initial Release	26/09/2024
Version 1.1	Updates to Entry Form Requirements	28/09/2024
Version 1.2	Updates to Deliverable Dates	26/10/2024

1 Purpose and Scope

The following document contains information about the registration process for the Australian Universities Rocketry Competition 2025. It details the documents that are required to be submitted for a team to be accepted into AURC 2025. Before applying teams should be familiar with the 2025 documentation under the '[Competitor Info](#)' page on the AURC website. If you have any questions regarding this document or about the registration process, please reach out to the AURC Subcommittee on Slack or via email at aurc@ayaa.com.au.

2 Registration Instructions

Teams registering in the 2025 AURC are required to submit the forms listed in Table 1 by the corresponding due date which closes at 11:59pm AEST. Forms requiring a university signature will be due at a later date, as we understand that there may be delays with university/academic staff.

All forms are to be submitted on the AURC website in the portal under the "Competitor" subheading https://aurc.ayaa.com.au/submission_form/. Teams will receive a confirmation email when their entry form is received by the AYAA team.

Table 1: Documents submittable for registration and their due dates

Date Open	Date Due	Item
Friday, 27 th of September 2024	Friday, 11 th of October 2024	Team Registration Form
-	Tuesday, 15 th of October 2024	Endeavour Aerospace Propellant Order (If required)
Friday, 11 th of October 2024	Wednesday, 6 th of November 2024	AURC 2025 Entry Form University Declaration Academic Advisor Waiver Terms and Conditions Acknowledgement



2.1 Important Competition Information

A. Location

We are excited to announce that the AURC 2025 launch event will be hosted by Endeavour Aerospace at their White Cliffs Launch site.

B. Propellant

The Australian Youth Aerospace Association (AYAA) and the AURC 2025 committee will not be organising propellants and do not take responsibility for the competing teams acquisition of propellant. If teams are not yet in possession of propellant for this competition, Endeavour Aerospace might present an excellent solution. They have informed us that their current open order (due 15 October) will arrive in time for the launch event. For more detail , please check <https://endeavouraerospace.com.au/pages/auro-2024>

C. 2024 Financial Rollovers

If your team had opted to have their fees roll over to 2025, this will be noted against your team file.

D. Categories

The AURC 2025 will primarily run with a 10,000 ft and 30,000 ft category, both of which will have a winner and runner up at the end of the competition cycle. Out of those winners, one overall winner will be awarded. Feedback has indicated continued interest in a 5,000ft category, primarily for new teams but also for new members in established student teams. As a result, we will offer this category if registration interest remains, and this competition event will yield its own winner and runner up.

2.2 Entry Form

Teams must complete and submit the "2025 AURC Entry Form" which is available on the website under "competitor info" <https://aurc.ayaa.com.au/competitor-info/>.

- 1 entry form is required per category.
- All inputs of this document are mandatory. Specific details are okay to change throughout the competition, however they must not be omitted. For example, the dimensions of the parachutes might be adjusted after testing, or the length of the airframe could be amended if simulations demonstrate a potential improvement.

When completing the form, you will need to provide preliminary information on your rocket design. AURC rockets must meet the restrictions in the "2025 AURC Rocket Specifications" document which will be released soon. In the interim, teams may confidently use the 2024 Rocket Specification Document in preparations as no major operational changes are expected for AURC 2025.



Please take note of the following overall restrictions that will apply to rockets when filling out your entry form.

- **Motor:** One COTS solid rocket motor which appears on the TRA Certified Rocket Motors List
- **Payload:** A functional scientific instrument performing an experiment, measurement or observation during flight. To obtain maximum marks, the following size constraints will apply:
 - For 5,000 ft AGL flights: in the form of a CanSat cylinder with exterior dimensions of 66 mm diameter and 155 mm length.
 - For 10,000 ft and 30,000 ft AGL flights: in the form of standard CubeSat configurations (1U – 3U+) and weighing at least 2 Kg.
- **Recovery:** A dual-deploy system initially descending at 20-50 m/s and decreasing to less than 11 m/s.
- **Tests:** It is a requirement that successful recovery deployment is demonstrated before launch.

2.3 University Declaration

Teams must provide a signed letter from the academic institution(s) in which its members are enrolled acknowledging the team's participation in the AURC 2025. This will confirm that the team in question does in fact represent the academic institution(s) its members claim affiliation with.

- There is no template for this letter, but it must meet the following:
 - The letter is provided on the academic institution's formal letterhead.
 - The letter notes the position and names of the representatives signing off.
 - The signature shall be that of an academic advisor or other paid, non-student faculty representative authorised to sign on behalf of the school, faculty and/or university.
 - The letter includes the following statement: "I hereby confirm that _(University Rocketry Team Name)_ will be participating in the Australian Universities Rocket Competition 2025 as representatives of _(University Name)_."
- Academic institutions competing in multiple categories may use one participation letter for both categories.
- In the case of a joint team, comprised of students from multiple academic institutions, each affiliated institution must provide its own letter to the team.

2.4 Academic Advisor Waiver

Teams must complete and submit the "2025 AURC Advisor Waiver" form which is available on the website under "competitor info" <https://aurc.ayaa.com.au/competitor-info/>. This form will require modification to include the academic institution's formal letterhead but must still have all the text present.

The work surrounding the design of the launch vehicle for the AURC is to be completed by students. As such, to ensure that no team has an unfair advantage, all academic advisors that are affiliated with the team will be required to sign the following waiver and return it to the AURC team.

Teams that have academics actively assisting in the developments of their payload and or project will be at risk of having severe penalties imposed, including disqualification from assessed pieces up to the competition overall. It is the responsibility of all teams to ensure that their advisors are fully aware of the level of support they are allowed to provide to students and for waiver forms to be submitted. If teams are uncertain of the level of support they can request from their advisor, please contact the AURC.