



Frontier Racing, Professional Senior Class
Pacific Hills Christian School
2019 Western Sydney Regional Final, 3rd Overall
2019 NSW State Champions
2020 Australian National Final, 4th Overall

Supplementary Regulations

2020 Western Sydney Regional Final

Version 1.0

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RE-ENGINEERING AUSTRALIA
FOUNDATION

ENQUIRIES

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ACKNOWLEDGEMENT

In preparing the F1 in Schools™ Australian Technical Rules, certain wording and images have been adopted from the World Final Technical Regulations.

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ALTERATIONS

Re-Engineering Australia Foundation Ltd. reserves the right to alter any specifications and documentation associated with the 'Challenge' without prior notice.

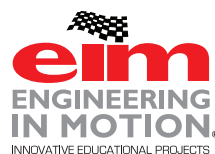


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ARTICLE S1 - PREFACE

Due to the ongoing COVID-19 restrictions and the decision by REA to host the 2020 Australian State Finals without team attendance, the Western Sydney hub has made the decision to use the same model for the 2020 Western Sydney Regional Competition.

REA's Supplementary Regulations for State Finals will also be used for the 2020 Western Sydney Regional Final with some modifications. Please read the following information carefully and thoroughly.

Note: To reduce both time and expense needed to prepare for the competition, actual team uniforms and physical trade display booths are not to be used.

ARTICLE S2 - Timeframes

S2.1 Project Elements for Submission

S2.1.1 Electronic Files

ALL required electronic files as per S3.5 for **ALL** competing teams **MUST** be uploaded via a link provided by REA or the Western Sydney Regional Co-Ordinator no later than **11.59pm on Friday, 21 August 2020**

S2.1.2 Race Cars

Race Cars **MUST** be hand delivered to [Room GG.07, G Block of the TAFE NSW Mount Druitt College](#) arriving no later than **5pm Monday 24 August 2020**.

Teachers **MUST** email Matt Snape no later than **Friday 21 August 2020** to advise the drop off time.

E: matthew.snape1@tafensw.edu.au

All cars **MUST** be packed in sealed containers with identifying team names for each car, and well padded to avoid damage during delivery. REA and TAFE NSW will **NOT** take responsibility for damage that occurs in-transit but **WILL** attempt to repair any damages in preparation for racing.

S2.2 Judging

S2.2.1 Electronic Project Elements

All team project elements submitted electronically, will be assessed by independent judges from **25 to 28 August 2020**.

S2.2.2 Race Cars

All racing will be managed and conducted by TAFE NSW and REA staff on **27 August 2020**. Racing will be conducted at Mount Druitt TAFE using one track. Racing will be recorded and released to teams. It is hoped that the racing will be live streamed and that teams from each school will be run at approximately the same time according to a published schedule, allowing schools the opportunity to watch their cars run.

S2.3 Results

Results will be sent to teams, commencing **28 August 2020** and it is hoped to be able to announce the winners as part of a live webcast at a time to be confirmed

ARTICLE S3 - Project Elements for Submission

Around one to two weeks prior to the submission deadline date, teams will be emailed a unique link to a google drive folder that they will be required to upload their electronic data to. Teams **WILL** require a Google account to facilitate this.

S3.1 General

- Uploaded files **MUST** be a team's final versions they are submitting for judging.
- **ALL** files **MUST** be clearly labelled.
- Team videos will take the place of interviews and presentations normally conducted at physical events.
- The content of the videos **SHOULD** be aligned with the relevant scorecard criteria.
- Teams are **NOT** to wear a team uniform in any of the recorded assessable content. See S4.4 for more information.

S3.2 File Formats

- Videos **MUST** be submitted as separate **AVI** or **MP4** files.
- Documentation **MUST** be submitted as separate **PDF** files
- CAD files **MUST** be submitted as **STEP** files
- Renders **MUST** be submitted as high quality **PICTURE FILES**

S3.3 Video Detailed Information

S3.3.2.1 Engineering Videos

- Each topic (CAD, Manufacturing & Testing) **MUST** be submitted as separate videos
- 'Testing' video is optional
- The combined total time for all three videos is a maximum 12 minutes.
E.g. 3 x 4 minute videos

S3.3.2.2 Trade Display Video

- No physical display is to form part of a team's assessable video content. See S4.3 for more information.
- The maximum total time of the submitted video content is 10 minutes

S3.3.2.3 Verbal Presentation Video

- The maximum total time of the submitted video content is 10 minutes

S3.4 Penalties

S3.4.1 Late Submission

If Project Elements are not received by Re-Engineering Australia Foundation on or before the required deadline, or in the required format, **those elements will NOT be eligible for assessment.**

S3.4.2 Overtime Videos

A penalty of **20 points** will be applied for each judging category video that exceeds the maximum time as per S3.3

S3.4.3 Wearing of Team Uniform

A penalty of **20 points** will be applied for each judging category video where any team member wears a uniform in violation of S3.1

S3.5 Project Elements Submission Checklist

The following team Project Elements **MUST** be received before **11.59pm on Friday, 21 August 2020** as per S2.1.

	Project Element	Submission Format	Judging Criteria	
<input type="checkbox"/>	1 x Engineering Portfolio	Electronic: PDF	<ul style="list-style-type: none"> Engineering: Manufacturing Engineering: Design Process Portfolio: Design 	
<input type="checkbox"/>	1 x Engineering Compliance Booklet	Electronic: PDF	<ul style="list-style-type: none"> Engineering: Specifications Engineering: CAD 	
<input type="checkbox"/>	1 x Enterprise Portfolio	Electronic: PDF	<ul style="list-style-type: none"> Portfolio: Project Management Portfolio: Design Marketing: Branding 	
<input type="checkbox"/>	Optional Testing Document	Electronic: PDF	<ul style="list-style-type: none"> Engineering CAD 	
<input type="checkbox"/>	Design Development Brief	Electronic: PDF	<ul style="list-style-type: none"> Marketing: Trade Display 	
<input type="checkbox"/>	Car Finishing Form	Electronic: PDF	<ul style="list-style-type: none"> For use by REA 	
<input type="checkbox"/>	Student Code of Conduct Form	Electronic: PDF	<ul style="list-style-type: none"> For use by REA 	
<input type="checkbox"/>	High Quality Renders	Electronic: Picture Files	<ul style="list-style-type: none"> For use by REA 	
<input type="checkbox"/>	ALL Engineering CAD Files	Electronic: STEP Files	<ul style="list-style-type: none"> Engineering CAD For use by REA 	
<input type="checkbox"/>	ALL Trade Display CAD Files	Electronic: STEP Files	<ul style="list-style-type: none"> For use by REA 	
<input type="checkbox"/>	Engineering CAD Video	Electronic: AVI or MP4	Combined total of Max 12 Min	<ul style="list-style-type: none"> Engineering CAD
<input type="checkbox"/>	Engineering Manufacturing Video	Electronic: AVI or MP4		<ul style="list-style-type: none"> Engineering: Manufacturing
<input type="checkbox"/>	Engineering Testing Video	Electronic: AVI or MP4		<ul style="list-style-type: none"> Engineering CAD Engineering Design Process
<input type="checkbox"/>	Trade Display Video	Electronic: AVI or MP4	Max 10 Min	<ul style="list-style-type: none"> Marketing: Branding & Trade Display
<input type="checkbox"/>	Verbal Presentation Video	Electronic: AVI or MP4	Max 10 Min	<ul style="list-style-type: none"> Verbal Presentation: Technique & Content
<input type="checkbox"/>	1 Race Car (Cadet teams) or 2 Race Cars (Development/ Professional teams) complete with tether guides	Hand delivered		<ul style="list-style-type: none"> Racing

ARTICLE S4 - General Advice

S4.1 Team Registration Deadline

The deadline for **ALL** Team Registrations for Regional Finals in NSW and QLD will be **31 July 2020**.

S4.2 Car Sticker Decals & Sponsor Logos

REA will not provide sticker decals to competing teams. Specifications judges will apply the F1 in Schools 'A' and 'B' sidepod stickers when scrutineering the car/s prior to racing.

Teams **MUST** ensure they display the REA Corporate Partner logos and the TAFE NSW logo throughout their project elements. These logos are downloadable from <https://rea.org.au/f1-in-schools/resources/>

S4.3 Trade Displays

Teams are **NOT** to build a physical Trade Display or manufacture any of its contents as part of their evidence submitted for assessment. Rather, teams are required to produce a 3D model of their final trade display which simulates exactly what would be presented to judges in a physical form. Teams should carefully read the updated 2020 Trade Display scorecard.

Note: Packaging Restriction criteria will **NOT** be assessed for 2020 Regional Finals.

S4.4 Team Uniforms

Teams are **NOT** to manufacture Team Uniforms for the 2020 Regional Finals. Rather, teams are to 'propose' a Team Uniform within their Enterprise Portfolio. Judges will be advised to **ONLY** assess a 'proposed' team uniform from within the Enterprise Portfolio. Team members appearing in person in their videos, are advised to wear their School Uniform when recording videos for assessment.

S4.5 Scrutineering

Experienced REA and TAFE staff will gather at the Mount Druitt TAFE College to undertake this process prior to scheduled racing.

S4.6 Rectification

The process of Car Rectification will **NOT** be an option for Regional Finals in 2020.

S4.7 Car Breakages

Cars that break during racing, will be repaired by REA or TAFE staff. The 10 minute time limit will still apply.

S4.8 Video Content

As with any assessable content, teams are strongly encouraged to address **ALL** of the required criteria as per the relevant scorecards. Teams have a unique opportunity to record a shared desktop to include a walk through of their CAD design/s and other document content whilst providing an explanation or commentary via a voice overlay. Teams should refine and edit video content to ensure they are succinct and do not exceed the maximum time length.



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