



#### ENQUIRIES

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#### ACKNOWLEDGEMENT

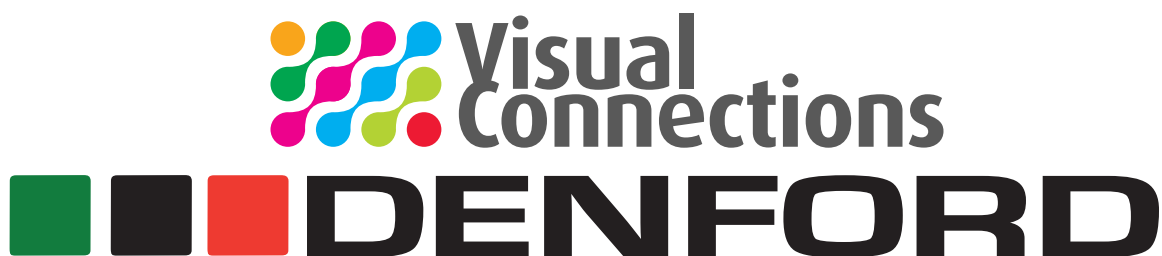
In preparing the F1 in Schools™ Australian Technical Rules, certain wording and images have been adopted from the World Final Technical Regulations.

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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

Re-Engineering Australia Ltd. have determined that due to the impact of COVID-19 including but not limited to social distancing measures, restriction of large group gatherings, the closure of many state borders and a ban on school excursions, our State Final events will still proceed but under very different arrangements.

This document sets out new conditions relating to the submission of Project Elements - what and when - and how these will be judged.

These Supplementary Regulations apply only to the 2020 F1 in Schools™ State Finals and overrides any corresponding regulations in the 2020/2021 Season Australian Competition Regulations.

If you feel there is any ambiguity surrounding the following instructions, please contact REA for clarification.

## ARTICLE S2 - State Final Events

In 2020, there will be **NO** physical state final events conducted around Australia for F1 in Schools. Rather, all events will be run virtually with teams required to upload files electronically to an REA Google Drive and post or deliver their Race Cars to the REA office in NSW by a nominated deadline.

There will be **NO** face to face or on-line interviews between teams and judges.

## ARTICLE S3 - Timeframes

### S3.1 Project Elements for Submission

#### S3.1.1 Electronic Files

**ALL** required electronic files as per S4.5 for **ALL** teams in every state **MUST** be uploaded via a link provided by REA no later than **11.59pm on Friday, 16 October 2020**.

#### S3.1.2 Race Cars

Race Cars **MUST** be posted, couriered or hand delivered to the REA NSW office **arriving no later than Friday, 16 October 2020**. All cars **MUST** be packed in sealed containers and well padded to avoid damage during delivery. REA will **NOT** take responsibility for damage that occurs in-transit to our office but **WILL** attempt to repair any damages in preparation for racing.

### S3.2 Judging

#### S3.2.1 Electronic Project Elements

All team project elements submitted electronically, will be assessed by independent judges between 17 October 2020 and 15 November 2020.

#### S3.2.2 Race Cars

All racing will be managed and conducted by REA staff over the course of 3-4 days at a time to be determined but somewhere within 17 October 2020 to 15 November 2020. Racing will be conducted at one venue using one track. Racing will be recorded and released to teams.

### S3.3 Results

Results will be sent to teams, state by state, commencing 17 November 2020 and complete no later than 20 November 2020.

## ARTICLE S4 - Project Elements for Submission

Around 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.

### S4.1 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 S5.5 for more information.

### S4.2 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**

### S4.3 Video Detailed Information

#### S4.3.2.1 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

#### S4.3.2.2 Trade Display Video

- No physical display is to form part of a team's assessable video content. See S5.4 for more information.
- The maximum total time of the submitted video content is 10 minutes

#### S4.3.2.3 Verbal Presentation Video

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

### S4.4 Penalties

#### S4.4.1 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.**

#### S4.4.2 Overtime Videos

A penalty of **20 points** will be applied for each judging category video that exceeds the maximum time as per S4.3

#### S4.4.3 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 S4.1

### S4.5 Project Elements Submission Checklist

The following team Project Elements **MUST** be received on or before 16 October 2020 as per S3.1.

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

## ARTICLE S5 - General Advice

### S5.1 Regional Finals (QLD & NSW)

Registered teams in QLD and NSW will still be required to compete at a Regional Final first, to qualify for participation at the State Final level. Check <https://rea.org.au/events-calendar-and-information/> for more information. If a Regional Final is not listed near you, contact REA for more information.

### S5.2 Team Registration Deadline

The deadline for **ALL** Team Registrations has been extended until 31 August 2020. However, earlier registration would be appreciated so REA can assist Regional Hub Coordinators in QLD and NSW and plan for judging of State Final assets.

### S5.3 Car Sticker Decals

Once the Team Registration deadline has expired, REA will post to schools the required car sticker decals for each registered team.

### S5.4 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 State Finals.

### S5.5 Team Uniforms

Teams are **NOT** to manufacture Team Uniforms for the 2020 State 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.

### S5.6 Scrutineering

Experienced REA staff and independent scrutineers will gather at the REA office in NSW to undertake this process.

### S5.7 Rectification

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

### S5.8 Car Breakages

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

### S5.9 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.

### S5.10 Plagiarism

From 2020, plagiarism detection software 'Turnitin' will be used to check the authenticity of content in all teams' state and national final portfolios.

Content in team portfolios found to have been plagiarised, will not be assessed as part of the judging process resulting in zero marks for the relevant criteria.

State Final teams **ONLY** will be given free access to this software to upload their portfolios and make required changes based on a report of results provided by Turnitin. Multiple uploads can be made to check the authenticity of content in team portfolios.

Judges **WILL** be provided with a **FINAL** report generated by REA based on the content teams upload after the submission deadline.



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EDUCATE  
STUDENTS  
TEACHERS  
INDUSTRY**