

# SUBS in Schools Australia



Alternate Subs  
Brighton Secondary School, SA  
2016 National Final

## Supplementary Regulations 2020 State Finals

Version 1.0

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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 SUBS 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 SUBS in Schools. Rather, all events will be run virtually with teams required to upload files electronically to an REA Google Drive by a nominated deadline. A decision regarding the trials of team watercraft will be made as soon as possible and communicated to teachers.

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 Watercraft

A decision is pending relating to the trials of all watercraft. A physical trial event is preferred and if they go ahead this should take place between 16 October and 15 November. Physical trials will largely depend on our ability to travel interstate, social distancing measures, maximum group sizes and a school's policy on students being able to travel to an external location for this purpose.

### 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 Watercraft

Specifications judging and all trials will be managed and conducted by REA staff over the course of 1-2 days at a time to be determined but somewhere within 17 October 2020 to 15 November 2020. Trials will be conducted at one venue where teams will need to attend as scheduled..

### 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 S5.4 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<sup>1</sup> & Testing<sup>1</sup>) **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 S5.3 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

<sup>1</sup> Not applicable to Level 3 Spatial Design

### 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 <sup>2</sup>	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"/>	Watercraft 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 <sup>2</sup>	Electronic: AVI or MP4		<ul style="list-style-type: none"> <li>Engineering: Manufacturing</li> </ul>
<input type="checkbox"/>	Engineering Testing Video <sup>2</sup>	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"/>	1 x Watercraft complete with sticker decals	Brought to trial venue - TBC		<ul style="list-style-type: none"> <li>Trials</li> </ul>

<sup>2</sup> Not applicable to Level 3 Spatial Design

## ARTICLE S5 - General Advice

### S5.1 Team Registration Deadline

The deadline for **ALL** Team Registrations has been extended until 31 August 2020. However, earlier registration would be appreciated for planning reasons.

### S5.2 Watercraft Sticker Decals

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

### S5.3 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 State Finals.

### S5.4 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, and when attending [trial](#) activities, are advised to wear their School Uniform.

### S5.5 Scrutineering

If physical trials are conducted, experienced REA staff and/or independent scrutineers will gather at the venue hosting the trialst to undertake this process immediately prior to the commencement of, and on the same day as, the trial activities.

### S5.6 Rectification

If physical trials are conducted, the process of Rectification post Specifications judging will be offered to teams as per the conditions outlined within the Australian Competition Regulations.

### S5.7 Watercraft Repairs

If physical trials are conducted, teams will be afforded the opportunity to repair watercraft during trials as per the conditions outlined in the Australian Competition Regulations.

### S5.8 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.

### S5.9 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 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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