



**NEW ZEALAND ASSOCIATION OF MODEL RAILWAY CLUBS (Inc.)
MODEL COMPETITIONS - RULES SECTION**

1. ENTRY CONDITIONS

All entrants must be registered for the convention

2. BUILDER

Only the work of the entrant or joint entrants is eligible.

3. PREVIOUS ENTRIES

To be eligible, no major part of the entry may have gained a certificate in a previous NZAMRC competition.

4. ENTRY FORMS

- 4.1. Each entry must be accompanied by an official Competition entry form. Entry forms may be completed online, with a printed, signed copy handed in with the model.
- 4.2. Entry forms not completed within 14 days of the first day of the convention will incur a late fee of \$20.
- 4.3. The entry form shall include entrant name(s), entry description, scale, prototype, entry section (clause 5) and category (clause 8).
- 4.4. Misleading information supplied with the entry form may result in disqualification

5. ENTRY SECTIONS

Entries must be entered in one of the following sections.

- 5.1. Scratchbuilt;
- 5.2. Kit Built and Modified Ready-to-Run;
- 5.3. Computer Assisted;
- 5.4. Finish only.

6. ACCOMPANYING SUPPLEMENTARY INFORMATION

Entrants are encouraged to provide easily digested supplementary information to assist with judging.

7. SCALE LIMITS

Variants of G scale. Models up to 1:20 scale and suitable for a track gauge not exceeding 45mm.

8. ENTRY CATEGORIES

Models shall be entered in one of the following categories:

- 8.1. Locomotives, etc, rod equipped.
- 8.2. Locomotives, railcars, multiple units, trams, etc., other than rod equipped.
- 8.3. Passenger cars and similar, including baggage cars, guard's vans, and non revenue versions.
- 8.4. Freight rolling stock, including cabooses, brake vans and non revenue versions. May include wagon loads.

- 8.5. Trains consisting of at least one power unit and a minimum of two trailing vehicles. Entries over 1.5 metres long require Competition Committee approval prior to the convention to ensure space is available.
- 8.6. Rail-mounted plant and equipment, includes rail cranes, jiggers, ballast tampers, snow ploughs, hi-rail, shunter's wagons, etc.
- 8.7. Permanent Way: Trackwork, points, crossings, slips, etc, and associated equipment
- 8.8. Signals and associated lineside plant and equipment.
- 8.9. Road vehicles pertaining to railways, includes lorries, earthmoving, container-handling, or farm machinery; horse-drawn vehicles, road cranes, flat-decks, local buses, motorcars, cycles, motorcycles, etc.
- 8.10. Bridges, viaducts, turntables, etc. Any incidental scenery will not be judged.
- 8.11. Structures of all kinds other than bridges. Any incidental scenery will not be judged.
- 8.12. Scenes: Composite models forming a scene or diorama.
- 8.13. Micro Scenes: Composite models forming a micro scene up to 75mm x 75mm footprint.

9. JUDGING FACTORS

Judging is to be carried out according to the factors and available marks as follows:

9.1. Skill/workmanship factor Up to 100 marks.

Only work of the entrant(s) to be considered.

Marks are awarded with regard to the final result as follows:

9.1.1. Scratchbuilt, Kit Built and Modified Ready to Run:

- Precision of fits
- Accuracy of angles and uprights
- Crispness of outlines
- Merits of the chosen materials (including kits or RTR models)
- Readiness for finishing processes

9.1.2. Computer assisted only

As for 9.1.1 plus

- Appropriate choice of technology and material
- Evident quality of design work.

9.2. Complexity/Difficulty factor Up to 100 marks

Marks are awarded according to the size and difficulty of the modelling task however it is carried out.

9.2.1. Discretionary allowances

Where an entry in any section (except Finish Only), has received less than 100 Complexity/Difficulty factor marks, the judges may consider adding marks for:

9.2.2. Making any parts normally exempted under clause 17.

9.2.3. Carrying out any relevant third party production process normally exempted under clause 17.

9.3. Conformity/Fidelity factor Up to 100 marks

Marks are awarded according to how accurately the model represents the stated prototype or prototype practice, and the quality and amount of detail.

9.4. Scratchbuilding factor Up to 100 marks

9.4.1. Scratchbuilt section -- amount built from scratch

Marks are awarded in proportion to how much of the entry was built from exempted parts and materials, whether by manual methods or digitally, (see 17 Definitions).

9.5. Finish factor Up to 100 marks

Marks are awarded as follows:

- 9.5.1. The skill with which the finishing work has been carried out;
- 9.5.2. The complexity of the finishing work;
- 9.5.3. How well the finishing work conforms to the prototype and its condition as stated on the entry form.
- 9.5.4. Where there is no clearly stated prototype or condition on the entry form, marks are awarded as per 13.1 and 13.2, and:
- 9.5.5. How credible the effect of the finishing work appears to the judges.

9.6. Runability factor, Categories 8.1 and 8.2 Up to 100 marks

Marks are awarded for:

- 9.6.1. A smooth start
- 9.6.2. Operation through a full range of speeds appropriate to that prototype in both directions without hesitation or human intervention, and:
- 9.6.3. A minimum of mechanical noise and noticeable body rocking.

10. POPULAR VOTE

- 10.1. The Popular Vote Award will be conferred on the entrant whose entry in the Competition receives the most votes from convention attendees.
- 10.2. Unlike the other parts of the Competition, those voting need not give any consideration to how each entry came to be.

11. Levels of awards

In accordance with the judging, certificates will be awarded as follows:

- 11.1. Platinum – entries receiving 95% and over.
- 11.2. Gold – entries receiving 85% and over.
- 11.3. Silver – entries receiving 70% and over.
- 11.4. Bronze – entries receiving 50% and over.

11.5. Special Awards

Special Awards in the form of stained timber trophies replaced the former cups and trophies in 2023. These trophies become the property of the winners.

A schedule of terms on which Special Awards are decided is available from the NZAMRC.

A list of the former cups and trophies is available from the NZAMRC website, www.nzamrc.org.nz.

12. DEFINITIONS

Exempted parts and materials means:

- Basic materials such as, plastic, metal or wood sheet, bar, strip, tube, angle, and other similar materials and sections including rail.
- Wheels, couplers and hooks
- Drive train parts, including electric motors, gears and gearboxes, universal joints, chain and sprockets
- Metal or resin parts made by third party services from the entrant's own masters, patterns or computer assisted designs. Examples include lost wax castings, whitemetal castings, resin castings, 3D prints, 2D etched metal and laser cut parts, CNC machined parts, etc.

(2D means computer aided design (CAD) in two dimensions, 3D means computer aided design (CAD) in three dimensions, CNC means computer numerical control.)

In case of doubt as to whether something is exempt, rulings may be obtained from the Competition Committee, preferably prior to the convention. Any such decisions shall be based on the above examples.

12.1. **American** means all of North America including Mexico and Canada.

12.2. **British means the British Isles and Ireland.**

12.3. **Computer Assisted** means the section of the competition for entries produced principally with the assistance of computer based technologies such as 2D metal etching, 3D printing (resin or filament), 3D scanning, laser cutting, paper cutting, or NC machining.

Such parts must be from the entrant's own computer design work and output files. Use of a third party production service is optional.

12.4. **Kit Built and Modified Ready-to-Run** means entries built principally from one or more kitsets or one or more ready to run (RTR) models, whichever is applicable. Additions and alterations may earn extra points.

12.5. **European** means continental Europe, which excludes the UK and Ireland.

12.6. **Finish** Includes paint, stains, decals, plating and other chemical finishes, various weathering materials, their use and means of application.

12.7. **Finish Only** means the section for entries submitted for judging of the Finish factor only.

12.8. **Judging factors** means those independent factors (Skill, Complexity, Conformity, Finish, Scratchbuilding and Runability) under which entries are awarded marks.

12.9. **Power unit** means a locomotive, railcar, multiple unit, or tram.

12.10. **Ready-to-Run (RTR)** means the section of the competition for commercially made models to which the entrant has made significant alterations.

12.11. **Scratchbuilt** means the section of the competition for models built principally from scratch. Parts other than basic materials and exempted parts incur a loss of points.