

# **New Zealand NZ120 Scale Specifications**

## **To a scale of 1 to 120...International TT scale.**

### **General recommended practice.**

As no standards have been agreed yet these recommendations provide a defacto standard.

**Track:** PECO Finescale is readily available and looks right for track height although the sleepers, length and spacing, are not right. However when ballasted they are acceptable.

**Points:** PECO Finescale again with the live frog do a good job. Take care with geometry as they all have a 10 degree turnout angle. And do add a switch to supply frog power separately.

**Wheel Sets:** Using, PECO trackwork means that English wheels should be used. These have a back-to-back of 7.48mm. If you plan to run USA bogies be aware that some makes might not work as well on PECO points.

**Power Mechanisms:** Most Japanese and American mechanisms work without trouble. English can be a trouble. Especially those with large wheel flanges.

**Layout:** Minimum curve radius shall be 400mm (15.8"), and maximum gradient shall be 2 percent. Adjacent rails to be 35mm Center line to center line.

**Rolling Stock:** It is recommended that rolling stock be weighted to follow the NMRA recommend practices for N SCALE (not TT Scale).

**Couplers:** The standard coupler shall be Microtrains "N" scale automatic type. Excepting Rakes of wagons that may have them only on the end wagons.

### **Short Module Physical Specifications.**

- a) Length/shape - Any, as long as the interconnecting ends conform to the parameters below.
- b) Depth - 600mm deep at the ends (front to back)
- c) Track Height - 1200mm from floor level to the top of the rail. This is the reference for all measurements. "Ground Zero is considered to be at the front rail top at the module edge"  
Framework - Dressed timber, 65 x 19mm (75 x 25 nominal) Panels 4.5 /6.0mm MDF or similar.
- e) End Panel Height - 300mm above rail top.
- f) Backscene Panel - no more than 500mm from the front of the module and as high as the end panels.
- g) Joining method - the Ends are to be "C" or "G" clamped - no pegs or sprung clamps.
- h) Front Track location - 100mm in from the front edge of module to outside edge of front railhead, laid right up flush with the end to form a butt connection with the adjacent module.
- j) Return (rear) track - 445mm from track front edge to the front track front edge. (545mm from the front of the module), laid to 62mm from the end and joined to the next module with a short Atlas track section.
- k) Edge Track to be straight for 100mm from edge of the module. Also maximum Mainline Grade of 2 %
- l) Legs - Attached at the left end, min size 50x25 DAR, braced for stability and adjustable by +/- 10mm.
- m) Mountain track - A future option If required, 150mm above rear rail. This track should be located directly above the return track.

This is a brief summary. For more detail check the web site at:-  
<http://homepages.paradise.net.nz/~rdmurg/module/concept.htm>  
and the pages linked to that.

