



A 16mm to the foot Narrow Gauge Live Steam Layout

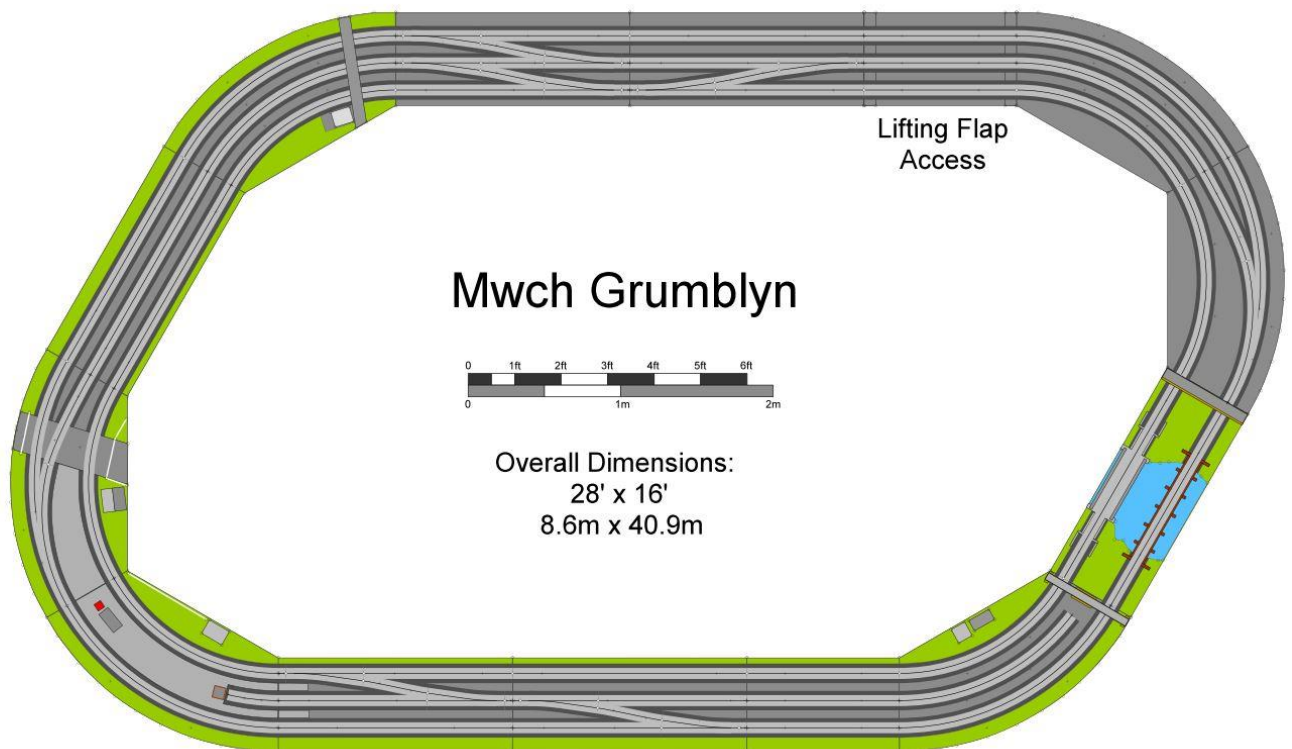
## A Guide for Exhibition Organisers



The garden railway section of Guildford Model Engineering Society (GMES) have a portable 16mm scale layout that is called Mwch Grumblyn. The section is also the home of the West Surrey Group of the Association of 16mm Narrow Gauge Modellers.

The layout predominately features live steam operated locomotives with typical rolling stock and is available for use at exhibitions where we prefer to run in its largest format as shown below.

The aim of this document is to give Exhibition Organisers an indication of the ideal requirements. We enjoy exhibiting Mwch Grumblyn and will be as flexible as possible to work within any constraints.



## 1. Description

- Two continuously operated circuits: -
  - Inner is 32mm gauge
  - Outer is dual 32 and 45mm gauge.
  - Train assembly sidings are predominately at the rear of the layout.
  - A wide variety of locomotives and rolling stock are used representing the diverse tastes of the Guildford Group.
  - Live steam locomotives are fired by: -
    - Butane gas (predominant fuel)
    - Coal.
    - Methylated spirit.
  - Please note, we do try to maintain steam operation at all times, however, live steam locomotives can be temperamental and occasionally battery powered locomotives will be substituted for short periods.

## **2. Space Requirements and Viewing Opportunities**

- Layout size in Exhibition format, approximately 8.5m x 5m (28 ft by 16 ft).
  - Mwch Grumblyn is a modular design and smaller formats requiring less space are possible. Please contact GMES for further details.
  - 1m minimum access/barrier space is required around the layout, please discuss any space restrictions.
  - If required, public barriers are to be provided by the exhibition organizers.
- Public viewing on all four sides is encouraged.
  - For sites with limited public access or close proximity to other layouts, viewing from the front only is possible.

## **3. Set Up and Break Down Requirements**

- Space for van unloading/loading is required close to the exhibition venue.
- Mains electricity supply is not required.
- Minimum Erection time is 2 hours.
- Minimum Breakdown time is 1.5 hours.
- Due to transportation limitations, GMES will provide 1 foldable table for preparing locomotives.
  - GMES request exhibition organizers provide two further tables to display models not in use and create additional space for preparing locomotives.
- A relatively level but firm floor is required to support the layout. However, the layout support mechanism has been designed to cope with small differences in floor level (approximately 150mm).
- Ideally, setting up access to the exhibition is required during the afternoon/evening of the day before the exhibition. It is assumed break-down would commence immediately the exhibition closes.
- Security is required where the layout is left unattended overnight.

## **4. Contact email – gmes16mm@gmes.org.uk**