



AMR Whistle, Speed and Signal Requirements

Purpose

The purpose of this document is to set out the requirements for the safe operation of the railway.

All members should be familiar with these requirements and observe them at all times.

Whistle and Flag Codes

Task	Whistle or Horn	Flag
Operator (Driver)		
Start	1 Long	-
Stop	2 Short	-
Reverse	3 Short	-
Call for Assistance	This should be via a radio call as to not attract attention	
Emergency	This should be via a radio call as to not attract attention	
Guard		
Start	1 Long	Display a Green Flag
Stop	2 Short	Displays a Red Flag
Call for Assistance	This should be via a radio call as to not attract attention	
Emergency Stop	The Guard should get off the train and place a red flag on the tracks at least 5m behind the rear of the train. This is to ensure that a following train is aware of the stoppage.	
Station Master – including station attendants		
Train safe to depart	-	Displays a White Flag
Train to stop	-	Display a Red Flag
Moving engines in the station	-	A simple wave of the hand

Safe Distances and Speeds Requirements

Requirement	Standard	Comment
Minimum distance between trains while on the mainline when open for the public.	20m	This is the minimum distance to ensure the safe operation of the railway when open for the public. However, operators need to in areas of limited visibility that they are able to stop their train safely.
Minimum distance between trains while in the Station area when open for the public.	No minimum distance	As speeds are low, there is no distance between trains. The Station Master will direct trains to ease the safe loading



		and unloading of passengers
Maximum speed with passengers on main line	12km/h	Trains should have a speed reporting device to show the operator its speed.
Temporary speed restrictions	As signed	Speed restrictions are set for specific reasons. Operators are to obey these restrictions.
Maximum distance from 10 km/h to stop.	15m	This is a test that is required to test the effectiveness of the train brake.
Maximum distance when refuelling IC locomotives away from an steaming locomotives	20m	It is noted that the refuelling of IC locomotives should be fuelled away from the station, running line and steam locomotives

Safe Working of Signals

Altona Miniature Railway sometimes use electronic signals for controlling train movements around the railway. These requirements are here as a minimum and will be expanded as signals are installed.

Electronic Signals

Electronic signals are used to control train movements. Presently the types used on the railway are described as either two or three colour light signals.

Two position signalling has two basic indications:-

RED ————— (Stop)
 ——— GREEN ————— (Proceed)

Three position signalling has three basic indications:-

——— RED ————— (STOP)
 ——— AMBER ————— (Warning or Caution) — Train is occupying the block ahead
 ——— GREEN ————— (Proceed)

Automatic Signals

1. These signals are controlled by train detection circuits, and provide a safe interval between trains. **No two trains should be on the same section of track if signals are obeyed.**
2. The only exception to the obeying of colour lights as above is when a signaller has given authority to proceed.

Defective Signals



~~A signal is classified as defective when it shows an incorrect indication or has a light out (e.g. in the case of a blown or failed electrical connection).~~

~~All signal faults must be reported to the Duty Officer.~~

This AMR Whistle, Speed and Signal Requirements was last amended on 23/6/2016