

Motive Power Inspection - DCC Addendum

1. All engines, except dummy units, must be equipped with a DCC decoder. We strongly recommend that they be programmed for DCC only and not have a DC option.
Note: If a decoder has an analog option, it **MUST** be turned off. If the owner wants to take said engine to a DC layout, then the analog option can be changed on the test track before leaving.
2. Consists will be operated as a classic consist with all engines numbered (addressed) the same as the controlling engine number (address). This will allow the operator assigning engines to a throttle to easily assign the consist.
 - 2.1.1 For diesel engine consists, the DCC address will be the lowest engine number in the consist. For example; Reading 2-unit FP-7 A's engine numbers 906 and 907, both will be addressed as 906.
 - 2.1.2 For steam locomotive consists, the DCC address will be the lead locomotive number.
3. The railroad will allocate engine numbers (consist numbers) on a first come first served basis. The first registered occurrence of an engine number in the card catalog will be final, most of the time. Engine owners must research the engine number (consist) card catalog to make sure that the engine number is not already claimed.
 - 3.1 If a number is in use by another member, you must either;
 - 3.1.1 Assign a new unique number to your consist.
 - 3.1.2 Negotiate with the existing owner of a consist number.
 - 3.1.3 Members with large numbers of engines on the railroad may be asked to remove or renumber an engine or consist from the railroad if a member with no other engine(s) cannot or will not renumber, i.e. factory painted brass.
 - 3.1.4 If a numbering conflict cannot be resolved both, the use of a consist number will be determined by the Motive Power committee to arrive at an amicable solution. Note: Preference will be given to engine consists physically on the railroad and not just entered into the card registration catalog along with Motive power standard 3.1.3.
4. Owners must fill out and maintain a DCC consist address card in the club master file catalog. The card will include the engine description, consist number(DCC address), engine numbers in the consist, owner's name and the decoder make and type, if known, and date of the registration.

5. Engines can be pre-programmed by the owner at home or programmed at the club using the PowerCab throttle in the Pacific Southern shop. Motive power inspectors can provide programming help if needed.
6. DCC decoders should be programmed to start moving at a low speed step on the throttle.
 - 6.1 Maximum speed should conform to the prototype.
 - 6.2 Momentum is optional.
 - 6.3 It is strongly recommended that engine consists should be speed matched at home before bringing the engine consist to the railroad. However, help is available to any member to speed match their engine consist by the Motive power inspectors.
7. Sound-equipped locomotives should have the overall sound volume set to a reasonably low level, so that having many such-equipped units on the layout will not overwhelm the room environment. A reasonably low volume setting is one in which the sound cannot be heard from a distance of 10ft. Sound will be tested using a db meter. This does not apply to function sounds, i.e. bells, whistles and horns.