

ACHIEVEMENT PROGRAM MODEL RAILROAD ENGINEER CIVIL STATEMENT OF QUALIFICATIONS FORM April 2019

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Member's Name: _____ NMRA #: _____ Exp: _____

Street: _____ City: _____ State/Prov.: _____

ZIP/PC: _____ Country: _____ NMRA Region: _____ Division: _____

Date Submitted: _____ E-Mail: _____ Phone: _____

To qualify for this certificate, you must:

1. Prepare one original scale model railroad track plan (does not all have to be built in #2) identifying overall size, scale, track elevation, curve radii and turnout sizes, such track plan to include:

- A. Adequate terminal facilities for handling freight and/or passenger cars, storage and service of motive power.
- B. A minimum of one mainline passing siding and four switching locations (exclusive of yards, interchanges, wyes and reversing loops.).
- C. Provisions for turning motive power (except in switch back roads, trolleys, etc.).
- D. Provision for simultaneous operation of at least two mainline trains in either direction.

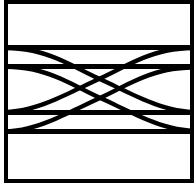
2. Construct and demonstrate the satisfactory operation of a completed section of the model railroad and track work described in Section 1. The section must contain at least 25 linear feet of track in Z, N, or TT scale, 50' in HO or S, 75' in O or 100' in G or #1, with appropriate ballast, drainage facilities and roadbed profile, and may contain spurs, yards, etc. Track work shall have examples of at least any 6 of the following features:

- | | | |
|--|---|--|
| <input type="checkbox"/> Passing siding | <input type="checkbox"/> Turntable | <input type="checkbox"/> Coal Dump Track |
| <input type="checkbox"/> Spur | <input type="checkbox"/> Transfer Table | <input type="checkbox"/> Ash Pit |
| <input type="checkbox"/> Crossover | <input type="checkbox"/> Super Elevation | <input type="checkbox"/> Service Pit Track |
| <input type="checkbox"/> Reversing Loop | <input type="checkbox"/> Simple Overhead Wire | <input type="checkbox"/> Grade Elevation |
| <input type="checkbox"/> Wye | <input type="checkbox"/> Compound Overhead Wire | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Simple Ladder | <input type="checkbox"/> Scale Track | |
| <input type="checkbox"/> Compound Ladder | <input type="checkbox"/> Cog Railway Track | |

2. :

3. Construct for Merit Award Evaluation scratchbuilt models of any three of the following. Attach a copy of the Evaluation form or of the Merit Award to the Statement of Qualifications.

- | | | |
|--|---|--|
| <input type="checkbox"/> Turnout (Point or Stub) | <input type="checkbox"/> Crossing | <input type="checkbox"/> Double Junction Turnout |
| <input type="checkbox"/> Crossover | <input type="checkbox"/> Gauntlet Track | <input type="checkbox"/> Three-Way Turnout |
| <input type="checkbox"/> Double Crossover | <input type="checkbox"/> Gauntlet Turnout | <input type="checkbox"/> Spring Switch or |
| <input type="checkbox"/> Single Slip Switch | <input type="checkbox"/> Dual Gauge Turnout | <input type="checkbox"/> Operating Switch in overhead wire |
| <input type="checkbox"/> Double Slip Switch | <input type="checkbox"/> Gauge Separation Turnout | <input type="checkbox"/> Other _____ |



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| EVALUATOR'S NAME | SIGNATURE | NMRA # |
|------------------|-----------|--------|
| | | |
| | | |
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| | | |

Member's Statement and Agreement:

I certify that I have completed all of the requirements for this Certificate of Achievement as listed above and that I will agree to assist other members in this subject whenever possible, whether or not they are participants in the Achievement Program.

NAME: _____ SIGNATURE: _____ Date: _____

Certification of Region Achievement Program Chair

As the NMRA Region Achievement Program Chair of the _____, I certify that I have examined this SOQ and, having compared it to the stated requirements for this certificate, I am satisfied that the stated requirements have been met.

NAME: _____ SIGNATURE: _____ Date: _____

Region Certificate #: _____

Approval by AP National Executive Vice-Chair

NAME: _____ SIGNATURE: _____ Date: _____