

Next Generation Equipment Committee

Annual Meeting

Regulatory Update

Motive Power & Equipment Division
(MP&E)

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Topics

- Current Rulemakings
 - Brakes 1 to 4
- Very Long Trains (VLT) Brake Study
- Summary & Questions

Rulemakings

- Four rulemakings regarding MP&E issues:
 - Brakes 1—Part 232 Revisions
 - Brakes 2—Parts 229 and 238 Revisions
 - Brakes 3—AAR Electronic Air Brake Slip
 - Rule 4—T&H 50 year, Shortline Glazing and Freight UCI



Brakes 1

- Brakes 1 Final Rule published December 11, 2020
 - EOT Waivers
 - Single Car Test Code Updates
 - 232 Appendix B Updates (Now Subpart H)
 - 24-Hour Off-Air
 - Air Flow Method Clarifications
 - 90 CFM Air Flow/DP Trains
 - Automated Single Car Test – 24 and 48 months
 - Extended Haul Notification

Brakes 2

- Brakes 2 will include:
 - Part 229 Locomotives
 - Remove AFM and move to part 232
 - Extend 26L Brakes to 1,472 Days
 - Make FRA-2005-21613 Electronic Brake Valve (EBV) waiver permanent
 - Codify FRA-2005-21613
 - Requirements for maintenance of automatic drain valves, air dryers, and oil contamination from air compressors

Brakes 2

- Part 238 Passenger Equipment
 - Define Electronic Brake Valve (EBV) and Electronic Controlled Pneumatic Brake (ECP)
 - Define brake health status indicator and use in Class I inspections for EBV and ECP brake valves
 - Require performance of electronic self-test of EBV and ECP brake valves at periodic inspections

Brakes 2

- Make waivers permanent
 - FRA-2005-21613, FRA-2007-28306, and FRA-2004-17099
- AAR , LIRR, MNCR and Metra EBV's
- Unify air brake system names with part 229
- Codify FRA-2005-21613 requirements for maintenance of automatic drain valves, air dryers, and oil contamination from air compressors



Brakes 2

- Part 230 Steam Locomotives
- Clarification of reporting requirements for various classes of periodic inspections
- All reporting to Headquarters instead of Regions due to recent FRA Office of Safety reorganization

Brakes 2

- Carry-over items from Rule 1
 - Part 218 clarifications
 - Permitted duties for utility workers
 - Clarification of use of blue signal issues
- Part 232 clarifications
 - Use of Class III brake tests when doubling yard tracks into single train consist
 - Clarification of 60 psi rule for class III brake tests

Brakes 3

- Electronic Air Brake Slips
 - Notice of Proposed Rulemaking was published
- All work is on a temporary hold

Rule 4

- Rule 4 tentatively includes:
- Tourist Railroad 50-year Car Rule
- Reflectorization
 - AAR Waiver
 - FRA-2015-0105

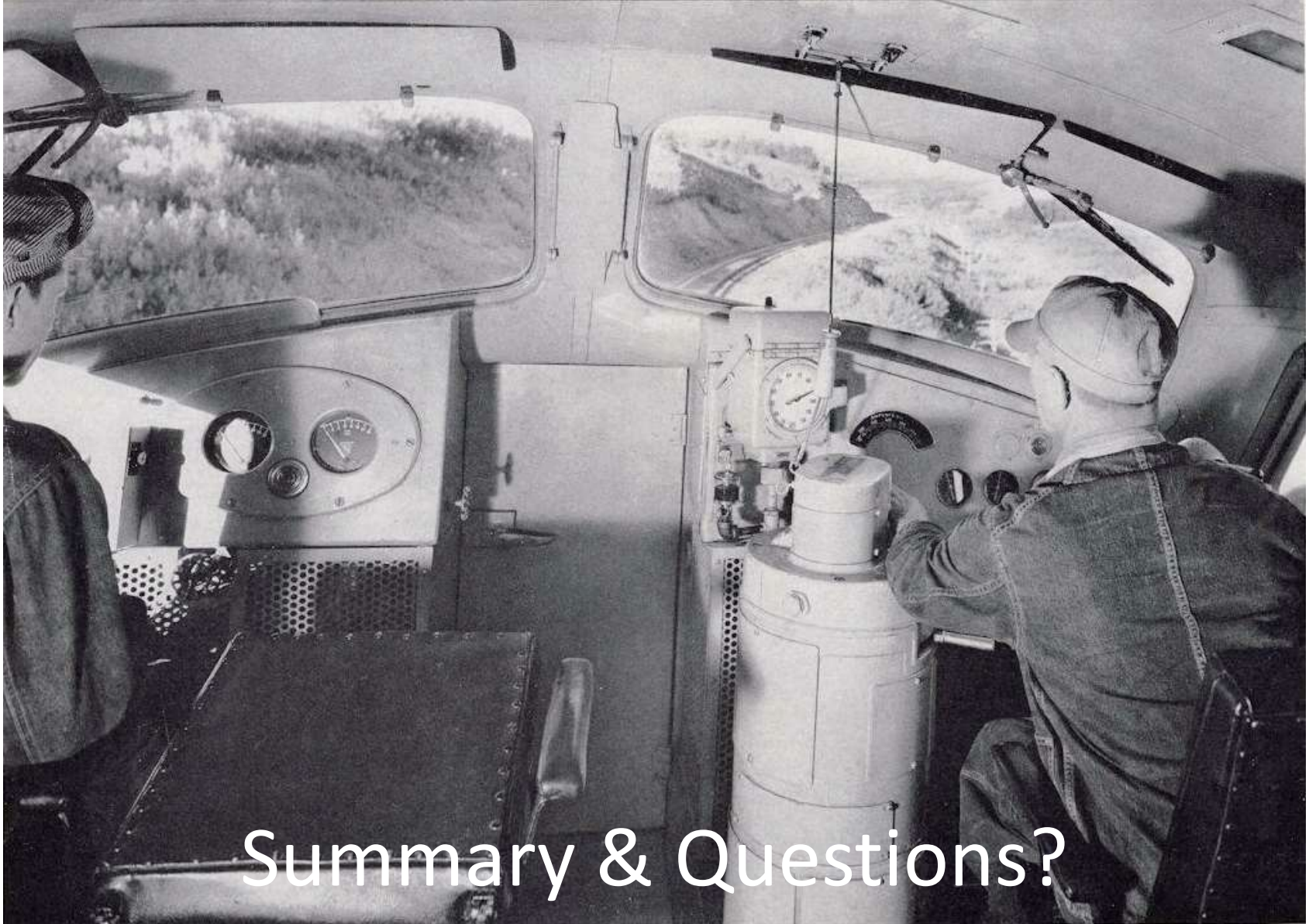


Rule 4

- Draft Gear Unit Condition Indicator (UCI)
 - AAR Waiver FRA-2013-0077
- Part 223 Glazing for Shortlines
 - Exempt from the requirements of Type I and II if below 30 mph, low vandalism, and low risk of impact
 - Conditions similar to Tourist and Historic Glazing rules enacted in 2016—FRA-2012-0103
 - Updates to Appendix A to permit steel ball instead of concrete block

Very Long Trains (VLT) Brake Study

- Collaborative effort with input from a Test Review Committee
 - Comprised of the FRA, AAR, Class I Railroads, Rail Labor, and Brake System Suppliers



Summary & Questions?