



Railroad Safety Advisory Committee



Rail Failure Working Group June 14, 2013 Washington, DC





Railroad Safety Advisory Committee



Rail Failure Working Group Task No.: 12-01

Purpose: To consider specific improvements to the Track Safety Standards (TSS) or other responsive actions designed to monitor rail life and reduce the adverse risks of rail head wear.



Railroad Safety Advisory Committee



Three Meetings Held

Washington DC January 8, 2013

Washington DC March 19-20, 2013

Hamel, MN (LORAM) May 22-23, 2013



Meeting Focus

- Rail Wear
 - Rolling Contact Fatigue
 - Rail Defect Development





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Technical Presentations

- Development of Technology Driven Solutions to Improve Safety (TTCI)
 - Rolling Contact Fatigue - Formation, Prevention, and Treatment (NRC)
 - Rail Grinding Programs & Friction Management (LORAM)
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Working Group Focus

- Rail performance and management.
- Factors that influence rail life.
- Train dynamics and the effect on rail.
- The effects of head wear on rail integrity.
- The effects of rolling contact fatigue on rail.
- Rail defect development.





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Preliminary Research Recommendations

(Non-consensus)

- Improve Rail Steels
- Develop and Implement TTCI Rolling Load Machine (RCF on Rail and Wheels)
- Improve Understanding of Worn Rail to Better Forecast Rail Life
- Improve Rail Inspection Technologies



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Next Meeting July 30-31, 2013

Washington DC





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Questions?
