

Discussion Questions (1 of 2)

1. How has Human Factors been integrated into the work by other Office of R&D Divisions and with Office of Safety (and in your companies/institutions)?
2. There seems to be a fundamental issue in collecting accurate information regarding level of alertness relative to events. How might data reporting be improved to go beyond H104?
3. What is your vision for the use of fatigue models (by the FRA/industry/others); what further developments and validations are needed (if any) to meet this vision?
4. What improvements have you seen regarding fatigue in the railroad industry and how has R&D efforts contributed to them?
5. What are the most significant fatigue-related challenges that remain and how is your (R&D/ safety) program preparing to address them?

Discussion Questions (2 of 2)

6. What technologies, including modeling, do you see as ready for inclusion in the operational environment? What other tools are needed?
7. Fatigue models are built on group data, yet there seems to be increasing interest to use these models for making predictions about a specific individual; how is your program reconciling or approaching this difference?
8. Is it enough to review and manage schedules by craft for fatigue? – How much schedule variety is there within a craft and how might that impact our understanding of how much sleep folks are getting?
9. Do you feel that there is a need to better understand how, to what extent, and to what benefit, napping is occurring in the industry?
10. Comparing 2003-2005 data with 2011-2012 data there seems to be positive, though non-significant trends. What do you see as the game changer or the point when we will see significant positive improvement?