Breakout Session 3

Question 14
Question 14

• Are there alternatives for roughness triggers (i.e. smoothness construction alternatives)? How should LCA results and LCCA be combined?
Group 5

• Facilitator
  – W. Steyn

• Members:
  – A. Kendall
  – B. Killingsworth
  – A. Loughalam
  – L. Miller
  – C. Slocum
  – S. Vanikar
  – L. Tiefenthaler
  – B. Yang
Q14: Alternatives for Roughness Triggers & LCCA/LCA

• Two types of situations for triggers:
  – Design
    • Use available & appropriate models
  – Maintenance
    • PSD (vehicle-independent measure)
    • Sub-triggers can be considered
Q14: Alternatives for Roughness Triggers & LCCA/LCA

• Separately conducted LCCA first, LCA second for verification
• The weight for each evaluation may be different depending on the situation
• Innovation of design tools to incorporate LCA aspects
• Boundaries in LCCA and LCA must be established to avoid double-counting