Behaviour of M2 & M3 general construction in case of Fire Event (BMFE)

France - Task Force meetings synthesis
Task Force overview

- 2 meetings on 2018 first quarter
  - Chair: France
  - Secretary: OICA

1st meeting
- January 29th
- Paris location (French Ministry of Ecological and Solidarity Transition)
- 17 attendees: 7 contracting parties / 4 vehicle manufacturers / 3 automotive suppliers / 3 test centers

2nd meeting
- March 13rd
- Brussels location (EU Commission)
- 25 attendees: 8 contracting parties / 8 vehicle manufacturers / 4 automotive suppliers / 5 test centers
1st Task Force meeting

Contents

- Final technical report on French accident investigations
  - Detailed version of the presentation in GRSG 113rd session
  - Opened discussion on key factors

- Synthesis on concerned Regulations last evolutions (UN Reg. N°107 & N°118)
  - Remind of previous discussions on connected topics
  - Evaluation of impacts according to Regulation amendments since 2011

- Presentation of research on fire safety of interior materials and fire detection/suppression
  - Focus on smokes toxicity

- Preliminary discussions on targeted main updates for Regulations (UN Reg. N°107 & N°118)
Contents

- Input data analysis on the time required to escape the vehicle
  - Base of discussions
  - Additional factors can affect the timing (obstruction, smokes, lights, previous information …)

- Summary of conclusions coming from the SDWEE IWG
  - Exits definitions (number, dimensions, locations,…)
  - Opened discussion on safety signs and associated instructions

- Data collection on accidents including fire event/escape need (last 2 years)

- Definition of Terms of References
2nd Task Force meeting

Focus on estimated key factors to improve safety

- UN Regulation N°118 (potentially based on a comparative study with rail/naval/aeronautical standards)
  - Smokes toxicity
  - Smokes opacity

- UN Regulation N°107
  - Smokes extraction systems
  - Additional rear exit
  - Definition of minimum level for fire detection systems
  - Optimization of luminous trajectories and functionalities
  - Safety instructions
  - Baggage burning (extinguishing/wall insulation system need)
  - Location of the fuel tank
Thanks for your attention.