



Behaviour of M2 & M3 general construction in case of Fire Event

IWG - BMFE



IWG BMFE overview

➤ 1 meeting since the last 118th GRSG in July

- Chair : France (UTAC)
- Secretary : CLCCR

➤ 10th meeting

- September 2nd & 3rd
- Venue : web session
- 27 attendees : 5 contracting parties / 4 test centers / OICA / CLEPA / CLCCR

●●● IWG BMFE overview

⇒ 2 draft amendment proposals submitted as working documents amended by 2 informal documents + additional informal document on ToRs

⇒ UNR n°107 : ECE-TRANS-WP.29-GRSG-2020-19 amended by GRSG-119-XX

- Alarm initiation based on a temperature reference
- Opening of all power-operated doors
- Safety instructions
- Transitional provisions

⇒ UNR n°118 : ECE-TRANS-WP.29-GRSG-2020-21 amended by GRSG-119-XX

- Influence of adhesive agents
- Transitional provisions

⇒ Term Of References : GRSG-119-XX

- Extension to deal with efficiency of glass breaking devices



10th IWG BMFE meeting

✈ UN Regulation No.107 Contents

✈ Automatic emergency exits :

- No additional inputs on risk analysis
- Discussion based on Dekra study on coach safety in case of fire event
 - Approach for incident reduction (prevention, inspection, tank protection, education and information)
 - Optimized evacuation (information, marking, escape way, retrofit, smokes and toxicity)

✈ Opportunity to introduce alarm system in compartments dedicated to propulsion battery

- Already covered by the coming UN-R n°100 03 series of amendment “§ 5.2.3. Warning in the event of failure in REESS”



10th IWG BMFE meeting

➤ UN Regulation No.107 Contents

- Optimisation to improve hammer efficiency
 - Principle to break window in case of evacuation not challenged
 - Analysis show that the hammer efficiency could be improved depending on the situation following different axis :
 - Identification
 - Location
 - Easy-to-use

- Request to GRSG for a mandat extension to investigate potential improvement on glass breaking devices

- Request to GRSG for guidance regarding transitional provisions
 - Expected WP29 submission in March 2021 for an entry into force on Oct. 2021
 - Transitional provisions to be defined accordingly



10th IWG BMFE meeting

➤ UN Regulation No.118 Contents

➤ Smoke toxicity :

- No additional inputs on cost/benefit ratio
- The materials of the furniture, curtains and ceiling in particular are cause of the toxicity but they also have a non-negligible impact on flammability
- Test lab will continue to investigate in this way, focusing on “most critical” materials for toxicity and will keep informed the IWG BMFE of the relevant results for UN-R n°118.




➤ Request to GRSG for guidance regarding transitional provisions

- Expected WP29 submission in March 2021 for an entry into force on Oct. 2021
- Transitional provisions to be defined accordingly



BMFE meeting

Next session

-  2 days meeting
-  2020, October 27th and 28th
-  Venue : web meeting

UTAC CERAM



Thanks for your attention.