



Transport Canada CANUTEC-Transportation of Dangerous Goods (TDG)

Status update of the Emergency Response Guidebook (ERG2020) development

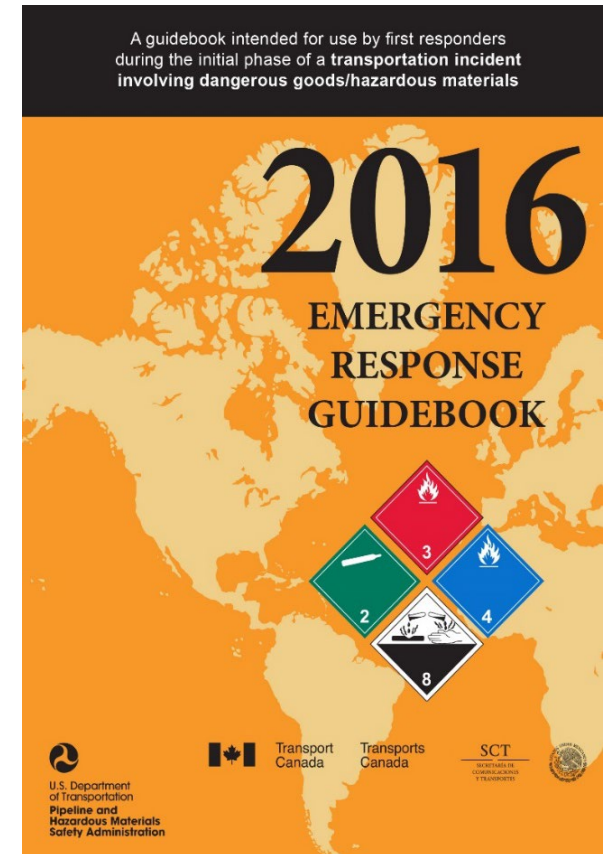
Presented by: Suzon Larocque



ERG2020: Publication and international partners

The Emergency Response Guidebook (ERG) is published every 4 years (next edition 2020) and is a collaboration between:

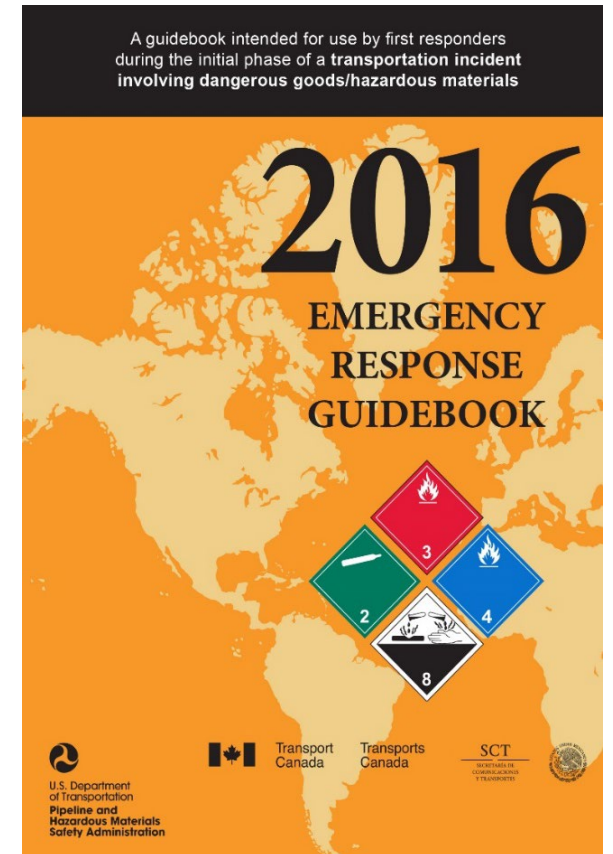
- Pipeline and Hazardous Materials Safety Administration (PHMSA) of the US Department of Transportation
- CANUTEC – Transport Canada’s Canadian Transportation Emergency Centre
- Argentina’s CIQUIME (Chemistry Information Center for Emergencies)
- Mexico’s Secretariat of Communications and Transport





ERG2020: Development

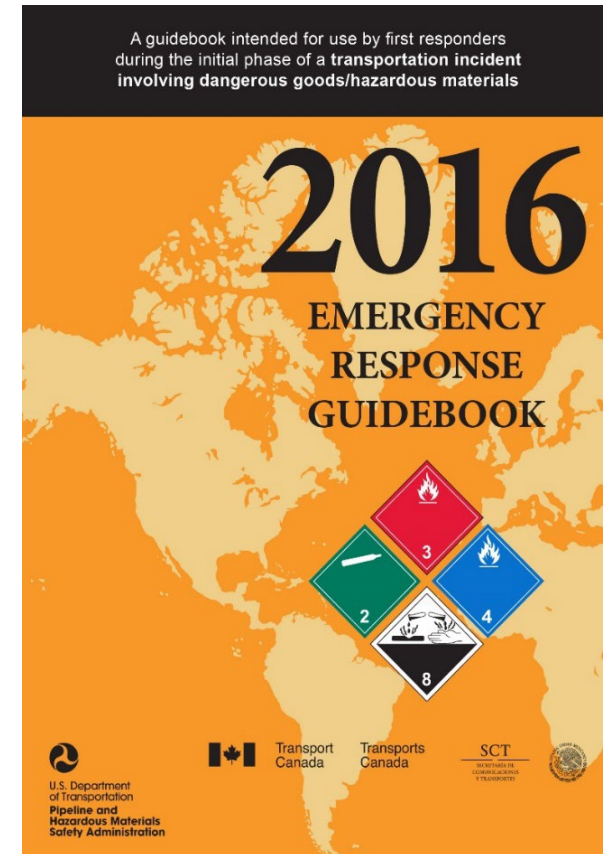
- First teleconference of the ERG2020 International working group was held in March 2017
- Follow up face-to-face meeting was held in Washington, DC, in June 2017
- Regular videoconferences / teleconferences were held since then



ERG2020: Comment solicitation

Comment solicitation for the ERG2020 was done via:

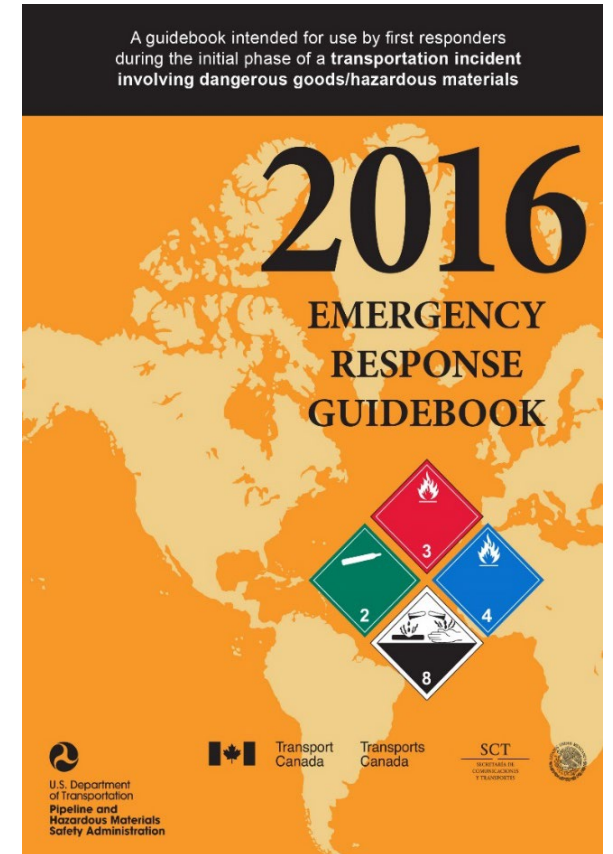
- Federal Register Notice issued by the US DOT
Published May 23, 2018
- ERGComments@dot.gov US DOT mailbox
- PHMSA Listening sessions at responder conferences:
 - IAFC Hazmat Teams Conference, Baltimore, MD, June 2018
 - Continuing Challenge, Sacramento, CA, September 2018
 - HOTZONE, Houston, TX, October 2018
- On-line survey on CANUTEC'S website (November 2017 - March 2018)
- Article in the Canadian Transportation of Dangerous Goods Newsletter (August 2018)





ERG2020: Comments received

- 194 comments
- 100 were considered for incorporation into the ERG
- Comments were assigned to the sub-working groups responsible for specific sections of the ERG
- Consensus required by all international partners to approve changes





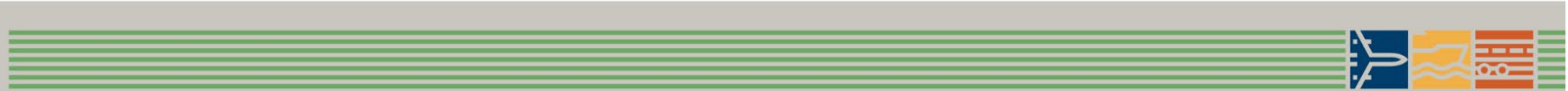
ERG2020: Changes to WHITE PAGES

- White pages content - plain language review
- The quality of the illustrations in the rail car and road trailer identifications charts will be improved
- Other additions will include:
 - New lithium battery marking
 - Decontamination section
 - Basic information about heat induced tears (HIT)



ERG2020: Changes to ORANGE PAGES

- A comprehensive review of the orange pages:
 - Guide assignment of certain entries will be re-evaluated
 - Some sentences in the Orange Guides will be clarified
 - The review is on-going for the ERG2024
- Inhalation toxicity concerns regarding petroleum crude oil (UN1267) will be addressed in Guide 128.
- Radioactive materials Guides will be revalidated with radiological/nuclear regulatory agencies.



ERG2020: Changes to YELLOW / BLUE PAGES

- UN numbers will be added and removed to align with United Nations Model Regulations and North American regulations
- Chemical warfare agents will remain in the ERG but will not be assigned a UN number.
- Polymerization hazard will be reviewed for certain materials.



ERG2020 Changes to GREEN PAGES

- Argonne National Laboratory will update CASRAM model with outcomes from field and laboratory experiments
- Will add distances for new PIH/TIH materials added in recent UN Model Regulations and North American regulations
- Will revise introduction on how to use Table 2
- Will add container capacities to Table 3
- Will add a visual tab in the border to differentiate between Tables 1, 2 and 3 in the green pages



ERG: Next steps and long-term projects

- Publication planned for spring of 2020
- Communication materials will be developed and shared, and will include:
 - Training package on how to use the ERG
 - ERG practice scenarios
 - Summary of the changes from the 2016 to the 2020 edition
- Continuing comprehensive review of orange pages for 2024
- Validation of technical contents through potential research projects for:
 - LNG
 - BLEVE distances



Thank you – Any questions?

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