

# Personal Protective Equipment

Ensuring Safety and Efficiency

*Transport Safety Investigation Bureau of Singapore*

# Personal Protective Equipment (PPE)

- ▶ Special clothing or equipment that is worn for protection against hazards.
- ▶ PPE should meet relevant safety standards and certifications (e.g. ANSI, ASTM, NIOSH).
- ▶ PPE should be made available to investigators in appropriate sizes.
  - ▶ Consider features like breathable materials and ergonomics designs to ensure comfort during prolong use.
- ▶ Training required for the proper used and disposal.
- ▶ Multiple sets be made available to each investigator.
- ▶ Periodically review and update PPE inventory to incorporate latest safety features and technologies.

# PPE Kit

- ▶ The kit should include:
  - ▶ Full-cover protective suit
  - ▶ Several pairs of latex gloves and work gloves
  - ▶ Face masks and goggles
  - ▶ Shoe covers and protective boots
  - ▶ Disinfection chemicals and a biological hazard disposal bag

# Breathing apparatus

- ▶ Filtered Full Face Mask
- ▶ Powered purifier/ respirator



# PPE Donning

- ▶ Remove jewelry that may snag on things
- ▶ Use glasses rather than contact lens
- ▶ Have someone to check that PPE is worn correctly
  - ▶ Better to have an assistant when wearing PPE
- ▶ Check clothing frequently for damage
- ▶ Site entry checks



# On-site arrangement

- ▶ Set up entry/exit controls
- ▶ Set up decontamination area
- ▶ PPE itself can be a hazard!
  - ▶ The weather could be hot and humid - dehydration
  - ▶ Drink lots of water before entering site
  - ▶ Take regular breaks to avoid heat stroke

# On-site hygiene

- ▶ Avoid eating, drinking or smoking on site
- ▶ Avoid touching mucous membrane
- ▶ Re-assess risks/PPE frequently
- ▶ Procedures for cleaning and decontaminating equipment and materials
- ▶ Procedures for containing and disposal of contaminated waste



# PPE Donning Video





Questions?