



# Railroad Safety Advisory Committee

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## General Passenger Safety Door Task Force

### The 44<sup>th</sup> Railroad Safety Advisory Committee Meeting

May 20, 2011  
Washington, DC

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# *Door Guys*

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# *Ridership*



- In response to strong growth in ridership, passenger railroads strive for ways to load/unload passengers quickly and efficiently
  - Multiple power doors
  - Level boarding platforms

## FRA's "Door Guys" Surveyed 24 Railroads, 69 Types of Equipment

The image consists of two side-by-side photographs of train doors. Each door has a large, dark, rounded rectangular window. Below the window, there is a small, rectangular label. The text "Door Guys" is overlaid in white, serif font across the bottom of both images.

“Door Guys”



# *Mission*

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- Reduce the risks endangering railroad passenger safety, specifically when passengers are upon, boarding or alighting from trains



# *Objectives*

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- Protect the integrity of the train
- Develop rules, designed to ensure safety
- Develop a standard for new equipment



# *Protect the integrity of the train*

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- Require the securement or sealing of safety sensitive/override switches that could cause an impact on the door system, and
  - Require daily/periodic inspection of these switches to determine they are properly positioned and properly sealed
  - Limit access to door control panels by requiring that the door control panel can not be energized when the key (or other secure device) is removed
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# *Operating Rules*

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- Prohibit the operation of a passenger train with the doors open between stations unless...



# *Operating Rules*

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- Require railroad operating rules/special instructions for train crews to:
  - Verify the integrity of the train
  - En-route failures - governing the override of safety systems
  - Including each crewmember's role in assessing whether to override the safety device



# *Operating Rules*

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- Additional steps necessary to ensure continued passenger safety following activation of a safety override device;
  - Crewmember observations to ensure it is safe to depart a station



# *Operating Rules*

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- **Employee training** - focus operation and limitations of the door safety system
- **Efficiency tests** – to determine knowledge & compliance
- **Mixed consists** – requires rules to provide an equivalent level of safety

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## *Uniform Standard for New Equipment*

- Require, at a minimum, that new passenger car side doors be equipped with a door safety system (APTA standard SS-M-18-10)
  - Detect an obstruction in a door
  - Prohibit the development of traction power if a door is prevented from closing
  - Provide a door status display
  - Require key or other secure device

# Federal Railroad Administration "Door Guys"

