



Railroad Safety Advisory Committee



General Passenger Safety Door Task Force

The 44th Railroad Safety Advisory Committee Meeting

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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



“Door Guys”



Mission



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



Objectives



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



Protect the integrity of the train



- 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



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



Operating Rules



- 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

- 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



- **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

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"

