



**National
Transportation
Safety Board**

Survival Factors

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Overview

Survival factors issues

- Evacuation and injuries
- Pretrip safety briefings
- Emergency lighting and signage
- Emergency exit door

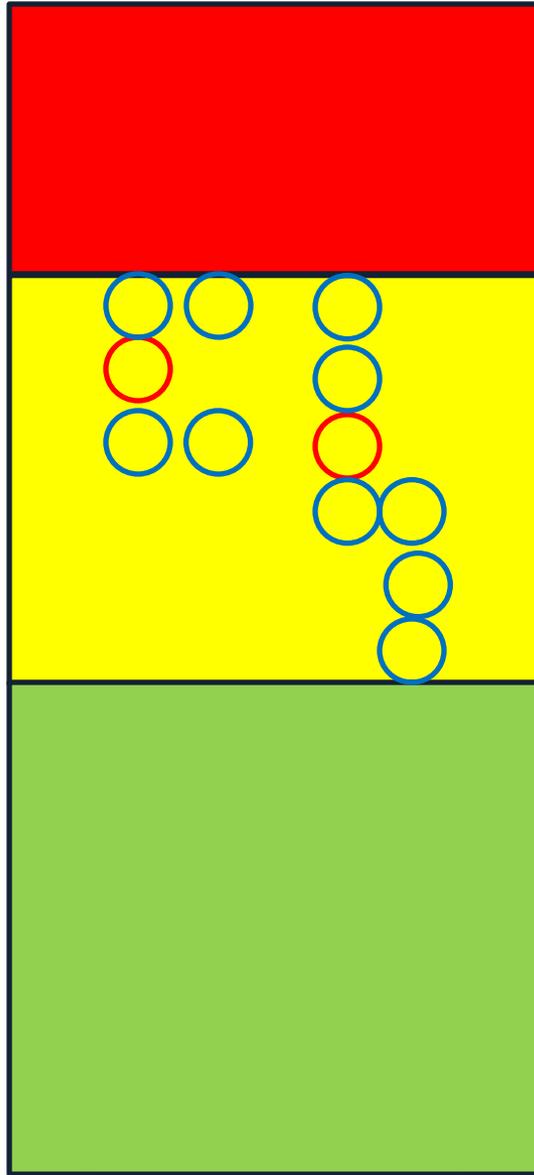
Evacuation



Source: Jeremy Lockett

Evacuation (cont.)





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Pretrip Safety Briefings

- Under stress, passengers may not use most appropriate exit
- Passengers need to understand safety features and exit locations

Emergency Lighting and Signage



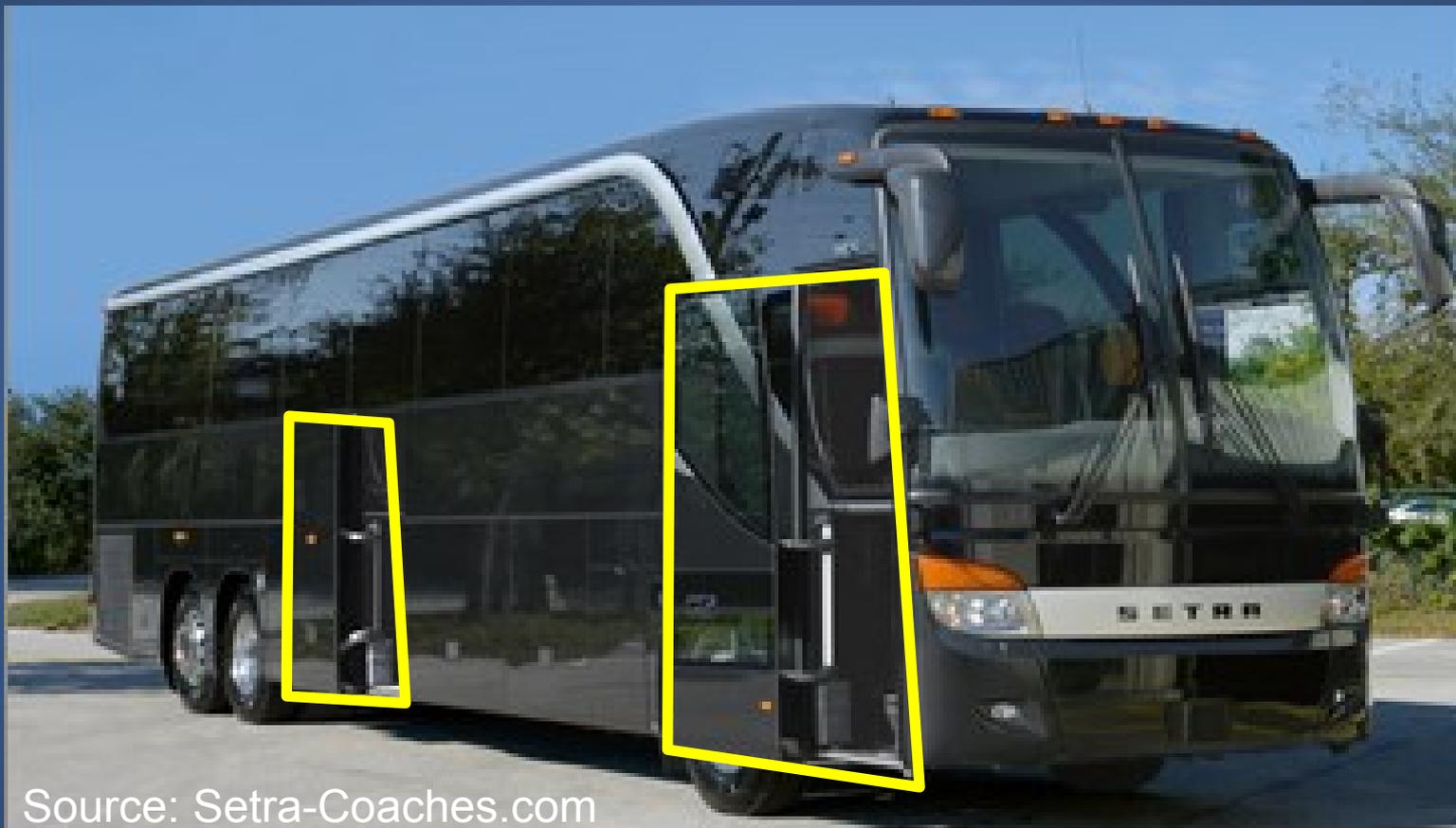
Emergency Lighting and Signage



Emergency Exit Door

- Standing is counter to common convention in fire situations
- Current Federal Motor Vehicle Safety Standards permit exit doors
- Secondary door allows for rapid evacuation

Emergency Exit Door



Source: Setra-Coaches.com

Summary

- Requirement for pretrip safety briefings
- Improvements in motorcoach/bus design:
 - Emergency exit windows
 - Reliable emergency lighting fixtures
 - Interior luminescent emergency signage
- Additional exit door



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