Faster, Safer, Better: Boarding and Alighting Trains

Current research activities
Standards

The relevant Railway Group and Industry Standards referenced in the call document bibliography can be accessed via the Standards catalogue available on the RSSB website:

http://www.rssb.co.uk/railway-group-standards
Boarding and Alighting

- Fernandez. R.V.A. (2015) In search of passenger flows through transit doors
- Fujiyama. T,N.J. (2008) Investigation into train dwell time, research report submitted to Department for Transport
Stepping

- **RSSB (In progress) T1080**: Understanding the influence of different platform edge step / gap arrangements on boarding and alighting accidents
- **RSSB T1054**: Evaluating platform gap fillers to reduce risk at the train / platform interface
- **RSSB (2010) T829**: Safer surfaces to walk on: Reducing the risk of slipping
- **RSSB (2007) T610**: An assessment of the cost and benefits of adopting a standard uniform platform height of 1115mm
Dispatch

• RSSB (In progress) T1059: Evaluating the use of on-train driver only operation (passenger) monitors during station departures
• RSSB (In progress) T1102: Optimising door closure arrangements to improve boarding and alighting
• RSSB (2015) T1035: Evaluating technological solutions to support driver only operation train dispatch
• RSSB (2009) T743: A review of passenger train dispatch from stations
Behavior

- RSSB (In progress) T1057: Investigating the risks posed by luggage to passengers and staff on trains and stations
- RSSB (2010) T704: The contribution of alcohol to personal safety and security risk on the railways

Crowding and wayfinding

- RSSB (In progress) T1106: Updating guidance on managing crowding at stations and on train services
- RSSB (In progress) T1026: Evaluation of platform information guidance in its design, testing, validation and Maintenance
- RSSB (2012) T916: Research into station design and crowd management
Gauging

- RSSB (In progress) T1062: Platform recess – review of requirements
- RSSB (In progress) T1037: Investigation of passenger vehicle footstep positions to reduce stepping distance and gauging constraints
- RSSB (2015) T866: Investigation of platform edge positions on the GB network
- RSSB (2013) T978: Development of a suburban vehicle gauge

Modelling

Quantifying risk

- RSSB (2016) T1029: Designing a tool to support duty holders in the assessment of platform / train interface risk
- TRL (2015) Qualitative study of platform train interface incidents
Thank you