

DIN EN 16334-1:2022-07 (E)

Railway applications - Passenger Alarm System - Part 1: System requirements for mainline rail (includes Amendment A1:2022)

Contents	Page
European foreword.....	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions.....	6
4 Symbols and abbreviated terms.....	7
5 System overview, architecture and interfaces.....	7
6 Functional requirements.....	7
6.1 General.....	7
6.2 Advise the driver (and optionally on board staff members or control centre) of a potential danger.....	8
6.3 Advise the passenger.....	9
6.4 Manage PAS communication.....	10
6.5 Determine if the train is stopped at a platform or departing from a platform.....	10
6.6 Recognize the action of the driver.....	11
6.7 Request brake action.....	11
6.8 PAS actions after PAD activation.....	11
6.9 PAS power up in the active cab or train reconfiguration.....	12
6.10 Driver acknowledgement.....	12
6.11 Overriding PAS brake request.....	12
6.12 Reset the PAS.....	13
7 Event sequence.....	13
8 Degraded modes.....	13
8.1 PAS degraded mode: isolated or not functioning.....	13
8.2 Advising the driver.....	13
9 Minimum safety requirements.....	14
10 Requirements for PAD.....	14
10.1 Installation requirements.....	14
10.2 Passenger interface.....	15
10.2.1 PAD.....	15
10.2.2 Information labels.....	16
Annex A (normative) PAS information management.....	18
Annex B (normative) PAS brake request management.....	20
Annex C (normative) Sign indicating the reset equipment for the local PAD.....	21
Annex D (informative) Square key to restore the passenger emergency brake PAD in the initial position (mandatory for international service trains).....	23
Annex E (informative) System overview.....	24
E.1 General.....	24

E.2	System architecture	25
Annex F (normative)	Overall dimension of the PAD handle interface	26
Annex G (informative)	Inscription indicating the PAD	27
Annex H (informative)	Label for PAD	28
Annex I (informative)	Degraded mode	30
Annex ZA (informative)	Relationship between this European Standard and the Essential Requirements of EU Directive 2016/797/EU aimed to be covered	33
	Bibliography	35