

Name: Ricardo Beijing Company Limited.

Address: Unit DEF, 10F, Building H No. 2337 Gudai Road Minhang District, Shanghai, China

Registration No. CNAS IB0858

Type: A

Accreditation Criteria: ISO/IEC 17020:2012 and relevant requirements of CNAS

Effective Date: 2025-05-26 Expiry Date: 2027-01-28

SCHEDULE 2 ACCREDITED INSPECTION SCOPE

№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
1	Rail transit controlrelatedcommunication andcontrol system(Generic Product andGeneric Application)	1	Independent Safety Assessmentfor Onboard Passengerinformation system, ObstacleDetection system, Door ControlUnit, Platform Screen DoorSystem (PSD) Control Unit ,Derailment Detection System	Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS). GB/T21562-2008 Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS) GB/T21562.2-2015	System life cycle phase from 1 to 7 which is defined in Communication, signalling and processing systems EN50126	2025-05-26



No. CNAS IB0858

第 1 页 共 7 页

The scope of the accreditation in Chinese remains the definitive version.

№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Railway applications - Communication, signaling and processing systems software for railway control and protection systems GB/T28808-2021		
				Railway applications - Communication, signaling and processing systems - Safety related electronic systems for signaling GB/T28809-2012		
				Railway applications- Communication, signaling and processing systems-Safety related communication in transmission systems GB/T24339-2023		
				Functional safety of electrical/electronic/programmable electronic safety-related systems Part 3: Software Requirements GB/T20438.3-2017		



No. CNAS IB0858

第 2 页 共 7 页

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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Railway applications - Specification and demonstration of reliability, availability, maintainability and safety (RAMS) IEC62278:2002		
				Railway applications - Communication, signalling and processing systems - Software for railway control and protection systems IEC62279:2015		
				Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signaling IEC62425:2007		
				Railway applications - Communication, signalling and processing systems - Safety related communication in transmission systems IEC62280:2014		



No. CNAS IB0858

第 3 页 共 7 页

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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Functional safety of electrical/electronic/programmable electronic safety-related systems Part 3: Software Requirements IEC61508.3:2010		
				Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) Part 1: Generic RAMS Process EN50126-1:2017		
				Railway applications - The specification and demonstration of Reliability, Availability, Maintainability and Safety (RAMS) Part 2: Systems Approach to Safety EN50126-2:2017		
				Railway applications - Communications, signalling and processing systems - Software for railway control and protection system EN50128:2011+A2:2020		



No. CNAS IB0858

第 4 页 共 7 页

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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Railway applications - Communication, signalling and processing systems - Safety related electronic systems for signaling EN50129:2018		
				Railway applications - Communication, signalling and processing systems - Safety related communication in transmission systems EN50159:2010+A1:2020		
				Railway Applications - Requirements for software development EN 50716:2023		
2	Road vehicles	1	Road vehicles - Functional safety	Road vehicles - Functional safety Part 2: Management of functional safety GB/T 34590.2-2022	Accredited only for VCU ,BMS,EMS & FSS.	2025-05-26
				Road vehicles - Functional safety Part 3: Concept phase GB/T 34590.3-2022		



No. CNAS IB0858

第 5 页 共 7 页

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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Road vehicles - Functional safety Part 4: Product development at the system level GB/T 34590.4-2022		
				Road vehicles - Functional safety Part 5: Product development at the hardware level GB/T 34590.5-2022		
				Road vehicles - Functional safety Part 6: Product development at the software level GB/T 34590.6-2022		
				Road vehicles - Functional safety Part 8: Supporting process GB/T 34590.8-2022		
				Road vehicles - Functional safety Part 9: Automotive safety integrity level (ASIL)-oriented and safety-oriented analyses GB/T 34590.9-2022		
				Road vehicles - Functional safety Part 2: Management of functional safety ISO 26262-2: 2018		



No. CNAS IB0858

第 6 页 共 7 页

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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Road vehicles - Functional safety Part 3: Concept phase ISO 26262-3: 2018		
				Road vehicles - Functional safety Part 4: Product development at the system level ISO 26262-4: 2018		
				Road vehicles - Functional safety Part 5: Product development at the hardware level ISO 26262-5: 2018		
				Road vehicles - Functional safety Part 6: Product development at the software level ISO 26262-6: 2018		
				Road vehicles - Functional safety Part 8: Supporting process ISO 26262-8: 2018		
				Road vehicles - Functional safety Part 9: Automotive safety integrity level (ASIL)-oriented and safety-oriented analyses ISO 26262-9: 2018		



No. CNAS IB0858

第 7 页 共 7 页

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