

Name: Guangdong Institute of Metrology (South China National Center of Metrology)

Address: No. 30, Songbai East Street, Guangyuan Middle Road, Guangzhou, Guangdong, China

Registration No. CNAS IB0354

Type: A

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

Effective Date: 2025-03-27 Expiry Date: 2028-12-19

SCHEDULE 2 ACCREDITED INSPECTION SCOPE

№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
1	The measuring instrument of energy in organization of energy using	1	Equipment	General principle for equipping and managing of the measuring instrument of energy in organization of energy using GB 17167-2006		2025-01-09
				General rules for equipping and managing of the water measuring instrument in water-use organization GB/T 24789-2022		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Specification for equipping and managing of measuring instrument of energy in petroleum and petrochemical industry GB/T 20901-2007		
				Specification for equipping and managing of the measuring instrument of energy in the nonferrous metals smelters GB/T 20902-2007		
				Specification for equipping and managing of the measuring instrument of energy in chemical enterprise GB/T 21367-2008		
				Specification for equipping and managing of measuring instrument of energy in the iron and steel industry GB/T 21368-2008		
				specification for equipping and managing of measuring instrument of energy in fossil power plants GB/T 21369-2008		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Specification for equipping and managing of measuring instrument of energy in building material industry GB/T 24851-2010		
				The rules for the examination of the energy measuring in key organization of energy using JJF 1356-2012		
				Requirements for equipping and managing of measuring instruments of energy and resource in public institutions GB/T 29149-2012		
		2	Management	General principle for equipping and managing of the measuring instrument of energy in organization of energy using GB 17167-2006		2025-01-09
				General rules for equipping and managing of the water measuring instrument in water-use organization GB/T 24789-2022		



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				Specification for equipping and managing of the measuring instrument of energy in chemical enterprise GB/T 21367-2008		
				Specification for equipping and managing of measuring instrument of energy in the iron and steel industry GB/T 21368-2008		
				specification for equipping and managing of measuring instrument of energy in fossil power plants GB/T 21369-2008		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
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				The rules for the examination of the energy measuring in key organization of energy using JJF 1356-2012		
				Requirements for equipping and managing of measuring instruments of energy and resource in public institutions GB/T 29149-2012		
				Drawing method of energy measuring network diagram for enterprises GB/T33656-2017		
2	Energy audit	1	Energy management	General principle of energy audits GB/T 17166-2019		2025-01-09
				Technical guidelines of energy audit on public institutions GB/T 31342-2014		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Energy management systems— Guidelines for a phased implementation GB/T 15587- 2023		
		2	Energy and energy flow	The method of drawing energy balance network diagram for enterprises GB/T 28749-2012		2025-01-09
		3	Energy measurement and statistics	Testing guide for energy consumption of equipment GB/T 6422-2009		2025-01-09
				General principle for equipping and managing of the measuring instrument of energy in organization of energy using GB 17167-2006		
		4	The calculation and analysis of energy consumption index	The method of editing energy balance table for enterprises GB/T 28751-2012		2025-01-09
		5	The calculation and analysis of energy efficiency of equipment	General principles for monitoring and testing of energy saving GB/T 15316-2009		2025-01-09



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
		6	Calculation and analysis of comprehensive energy consumption and energy consumption index value	General rules for calculation of the comprehensive energy consumption GB/T 2589-2020		2025-01-09
		7	Calculation and analysis of energy cost index	General principle of energy audits GB/T 17166-2019		2025-01-09
		8	Calculating methods of energy saved	Determination of energy savings in organizations GB/T 13234-2018		2025-01-09
3	Energy savings audit	1	Energy management and metering system	General principle for equipping and managing of the measuring instrument of energy in organization of energy using GB 17167-2006		2025-01-09
		2	Energy consumption of project baseline	Determination of energy savings in organizations GB/T 13234-2018		2025-01-09
				Guide of energy savings audit about energy-saving projects 发改环资[2008]704号 General technical rules for measurement and verification of energy savings GB/T 28750-2012		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
		3	Energy consumption after implementation of the Project	Determination of energy savings in organizations GB/T 13234-2018		2025-01-09
				Guide of energy savings audit about energy-saving projects 发改环资[2008]704 号		
				General technical rules for measurement and verification of energy savings GB/T 28750-2012		
		4	Energy consumption leaked	Determination of energy savings in organizations GB/T 13234-2018		2025-01-09
				Guide of energy savings audit about energy-saving projects 发改环资[2008]704 号		
				General technical rules for measurement and verification of energy savings GB/T 28750-2012		
4	Freight transportation	1	Identification of transportation conditions for goods	Technical Instructions for the Safe Transport of Dangerous Goods by Air ICAO, 2025-2026	Only for Class 9: magnetic material	2025-03-27



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				UN Recommendations on the Transport of Dangerous Goods Model Regulations ST/SG/AC.10/1/ Rev.23: 2023		
				Dangerous Goods Regulation IATA 66th, 2025		
				UN Recommendations on the Transport of Dangerous Goods manual of tests and criteria ST/SG/AC.10/11/Rev.8: 2023		
		2	Safety Inspection of Lithium Cells and batteries	Technical Instructions for the Safe Transport of Dangerous Goods by Air ICAO, 2025-2026		2025-03-27
				UN Recommendations on the Transport of Dangerous Goods Model Regulations ST/SG/AC.10/1/ Rev.23: 2023		
				UN Recommendations on the Transport of Dangerous Goods manual of tests and criteria ST/SG/AC.10/11/Rev 8: 2023		
				Dangerous Goods Regulation IATA 66th, 2025		



№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				International Maritime Dangerous Goods Code IMDG Code, 41-22		
				European Agreement Concerning the International Carriage of Dangerous Goods by Road ADR ECE/TRANS/326: 2023		
				Regulations concerning the International Carriage of Dangerous Goods by Rail RID:2023		
5	Proposed shipment of chemicals	1	Establishment of Chemical Safety Technical Data Sheets	Dangerous Goods Regulation IATA 66th, 2025	Only for lithium batteries and special cargo containing lithium batteries	2025-03-27
				Safety data sheet for chemical products-Content and order of sections GB/T 16483-2008		
				Safety data sheet for chemical products-Content and order of sections ISO 11014:2009		
				Guidance on the compilation of safety data sheet for chemical products GB/T 17519-2013		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
				Globally harmonized system of classification and labelling of chemicals (GHS) ST/SG/AC.10/30/Rev.10: 2023		
6	Inspection for electric Energy metering	1	Administration of electric energy metering	Technical administrative code of electric energy metering DL/T 448-2016	Except for: Installation of electrical equipment	2025-01-09
				Techniques for inspection of electric energy metering FID1601-2016		
		2	Accuracy of electric energy metering	Technical administrative code of electric energy metering DL/T 448-2016	Except for: Installation of electrical equipment	2025-01-09
				Techniques for inspection of electric energy metering FID1601-2016		
		3	Running status of electric energy metering	Technical administrative code of electric energy metering DL/T 448-2016	Except for: Installation of electrical equipment	2025-01-09
				Techniques for inspection of electric energy metering FID1601-2016		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
		4	Rationality of energy demand	Technical administrative code of electric energy metering DL/T 448-2016	Except for: Installation of electrical equipment	2025-01-09
				Techniques for inspection of electric energy metering FID1601-2016		
		5	Failure of electric energy metering	Technical administrative code of electric energy metering DL/T 448-2016	Except for: Installation of electrical equipment	2025-01-09
				Techniques for inspection of electric energy metering FID1601-2016		
		6	Compensation for failure of electric energy metering	Technical administrative code of electric energy metering DL/T 448-2016	Except for: Installation of electrical equipment	2025-01-09
				Techniques for inspection of electric energy metering FID1601-2016		
7	Electric vehicle charging station	1	Compliance acceptance of the power supply system after operation	General requirements for electric vehicle charging station GB/T 29781-2013 6	Accredited only for : Material review	2025-01-09



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
		2	Compliance acceptance of the charging system after operation	General requirements for electric vehicle charging station GB/T 29781-2013 7		2025-01-09
		3	Compliance acceptance of the monitoring system after operation	General requirements for electric vehicle charging station GB/T 29781-2013 8		2025-01-09
		4	Compliance acceptance of the electric energy metering system after operation	General requirements for electric vehicle charging station GB/T 29781-2013 9	Accredited only for : Material review	2025-01-09
		5	Compliance acceptance of the driving lanes and parking spaces after operation	General requirements for electric vehicle charging station GB/T 29781-2013 10		2025-01-09
		6	Conformity acceptance of the signs and markings after operation	General requirements for electric vehicle charging station GB/T 29781-2013 12		2025-01-09
8	Completion acceptance of electric vehicle charging/battery swap infrastructure	1	Compliance acceptance of basic regulations	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020 2.2 Standard for design of electric vehicle charging station GB/T 50966-2024 3、4	Accredited only for : Completion acceptance, Material review	2025-01-09



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
		2	Compliance acceptance of the power supply system after operation	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020 3.2	Accredited only for : Completion acceptance, Material review	2025-01-09
				Standard for design of electric vehicle charging station GB/T 50966-2024 6		
		3	Compliance acceptance of the charging system after operation	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020 4.2	Only for "Completion acceptance"	2025-01-09
				Standard for design of electric vehicle charging station GB/T 50966-2024 5、7、8		
		4	Compliance acceptance of the monitoring system after operation	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020 6.2	Only for "Completion acceptance"	2025-01-09



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		№	Name			
				Standard for design of electric vehicle charging station GB/T 50966-2024 9		
		5	Compliance acceptance of the civil engineering and other supporting facilities after operation	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020 7.2	Accredited only for : Completion acceptance, Material review	2025-01-09
				Standard for design of electric vehicle charging station GB/T 50966-2024 10、11		
		6	Compliance acceptance of the energy conservation and environmental protection after operation	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020 8.2	Accredited only for : Completion acceptance, Material review	2025-01-09
				Standard for design of electric vehicle charging station GB/T 50966-2024 12		



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№	Inspection Objects	Type and Range of Inspection		Standard/Method or Procedures	Note	Effective Date
		№	Name			
		7	Compliance acceptance of document materials	Code for construction and completion acceptance of electric vehicle charging/battery swap infrastructure NB/T 33004-2020	Accredited only for : Material review	2025-01-09



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