

Schedule

Issue date: 17 March 2025
Valid Until: 17 March 2030



NO: MIBAS 243

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INSPECTION BODY/ CENTRAL OFFICE: 	ENERGY WORKFORCE ENGINEERING (M) SDN BHD UNIT 82-1, KUALA LUMPUR TRADERS SQUARE (KLTS) NO. 99 JALAN GOMBAK, , 53000, WILAYAH PERSEKUTUAN KUALA LUMPUR MALAYSIA
ACCREDITED SINCE :	17 MARCH 2025
TYPE OF INSPECTION :	A
FIELD(S) OF INSPECTION :	NON-DESTRUCTIVE TESTING (NDT) SERVICES - TYPE A

An inspection body's fulfilment of the requirements of ISO/IEC 17020:2012 means the inspection body meets both the technical competence requirements and **management system requirements** that are necessary for it to consistently deliver technically valid inspection results. The **management system requirements** in ISO/IEC 17020:2012 (Section 8) are written in language relevant to inspection body operations and are aligned with the pertinent requirements of ISO 9001. (Joint IAF-ILAC-ISO Communiqué dated September 2013).

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CENTRAL LOCATION:	ENERGY WORKFORCE ENGINEERING (M) SDN BHD UNIT 82-1, KUALA LUMPUR TRADERS SQUARE (KLTS) NO. 99 JALAN GOMBAK, , 53000, Wilayah Persekutuan Kuala Lumpur
FIELD(S) OF INSPECTION :	NON-DESTRUCTIVE TESTING (NDT) SERVICES - TYPE A
TYPE OF INSPECTION :	A

SCOPE OF INSPECTION :

Central CAB		
CAB Name : <u>ENERGY WORKFORCE ENGINEERING (M) SDN BHD</u>		
Inspection		
Items, Materials or Products Inspected	Type and Range of Inspection	Inspection Methods and Procedures
A - NON-DESTRUCTIVE TESTING (NDT) SERVICES - TYPE A		
MAGNETIC TESTING (MT) Welds Casting Forging and Rolled of Ferrous and Non-ferrous Materials (cont.)	Magnetic Particle Inspection (MT) - Yoke / Portable Techniques - Fabrication and Inservice Inspection	ASME (EW-GP-02C-MT) -ASME Section V -ASME Sec I -ASME Sec VIII -ASME B31.3 -ASME B31.1 -ASME B31.8 -ASME Sec IX -ASTM E709:2021 AWS (EW-GP-02A-MT) -AWS D1.1:2020 ISO (EW-GP02B-MT) -BS EN ISO 17638:2016 -BS EN ISO 1011 Part 1:2009 -BS EN 1011 Part 2:2001 -ISO 9934-1:2016 -ISO 9934-2:2015 -ISO 9934-3:2015 -ISO 3059:2012 -ISO 12707:2016 -ISO 9712:2012 -BS EN ISO 5817:2023 -BS EN ISO 23278:2015
PENETRANT TESTING (PT)	Liquid Penetrant Inspection (PT)	ASME (EW-GP-03C-PT)

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Items, Materials or Products Inspected	Type and Range of Inspection	Inspection Methods and Procedures
Welds Casting Forging and Rolled of Ferrous and Non-ferrous Materials (cont.)	- Fabrication and Inservice Inspection - Solvent Removeable Techniques	-ASME Section V -ASME B31.3 -ASME B31.1 -ASME Section I -ASME Sec VIII -ASTM E165 AWS (EW-GP-03A-PT) -AWS D1.1 -AWS D1.2 -AWS D1.6 ISO (EW-GP-03B-PT) -BS EN ISO 3452-1:2021 -BS EN ISO 3452-2:2021 -BS EN ISO 3452-3:2021 -BS EN ISO 23277:2015 -ISO 3059:2012 -ISO 12706:2009 -BS EN ISO 1330-2:1998 -ISO 9712:2012
RADIOGRAPHIC TESTING (RT) Welds Casting Forging and Rolled of Ferrous and Non-ferrous Materials (cont.)	Radiographic Inspection (RT) - Film Radiographic with x-ray and gamma ray - Fabrication and In-service Inspection	ASME EW-GP-04C-RT -ASME Section V -ASME Sec VIII -ASME Sec I -ASME B 31.8 -ASME B31.1 -ASME B31.3 -ASTM E94:2017 -ASTM E 1815 AWS (EW-GP-04A-RT) -AWS D1.1/1.1M2020 ISO (EW-GP-04B-RT) -BS EN ISO 5579:2013 -BS EN ISO 17636-2:2022 -BS EN ISO17636-1:2022 -BS EN 10675-1:2021 -BS EN 10675-2:2021 -BS EN ISO 5817:2023 -BS EN ISO 9606-1:2017 -BS EN ISO 15614-1:2017 -AS 2177:2006 -PD 8010-1:2016 -BS 4515-1:2009 -ISO 19232-1:2013 -ISO 19232-2:2013

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Items, Materials or Products Inspected	Type and Range of Inspection	Inspection Methods and Procedures
		-ISO 5576:1997 -ISO 9712:2012
ULTRASONIC TESTING (UT) Welds Casting Forging and Rolled of Ferrous and Non-ferrous Materials (cont.)	Ultrasonic Inspection (UT) - Manual Ultrasonic - Fabrication and In-service Inspection - Pulse Echo Techniques	ASME (EW-GP-01C-UT) -ASME Section V -ASME Sec VIII -ASME Sec I -ASME Sec IX -ASME B31.1 -ASME B31.3 -ASTM E164-19 -ASTM E2491-13 -ASTM E273:2020 -ASTM E213:022 -ASTM E114:2015 -ASTM E797:2021 -ASTM A578:2017 -ASTM E164-19 AWS (EW-GP-01A-UT) -AWS D1.1 ISO (EW-GP-01B-UT) -BS EN ISO 17640:2018 -BS EN ISO 11666:2018 -BS EN ISO 23279:2017 -ISO 16811:2012 -ISO 16823:2012 -ISO 16826:2012 -ISO 16827:2012 -ISO 5577:2017 -ISO 9712:2021 -ISO 10160:1999 -BS EN ISO 17635:2016 -BS EN ISO 5817:2023 -ISO 10893-10:2011 -BS EN 1011-1:2009 -BS EN 1011-2:2001 -BS EN ISO 3923-1:2018 -BS EN ISO 10160:2015 -BS EN ISO 10893:2011 -BS EN ISO 22825:2019 -ISO 22825:2017
EDDY CURRENT TESTING (ET) Welds Casting Forging and Rolled of Ferrous and Non-ferrous Materials (cont.)	Eddy Current Testing (ET) • Ferrous and Non-Ferrous Plates, Materials and Weldment • All Materials / Products &	ASME Section V: Ed 2023 BS EN ISO 17643: 2020 ASME Sec V: Ed 2023 BS EN ISO 5817: 2023

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Items, Materials or Products Inspected	Type and Range of Inspection	Inspection Methods and Procedures
	under the general Standards Eddy current Test (ECT) Non-Ferrous Tubes Material Component and structure	General Standards ASME Sec V: Ed 2023 Specific Standards ASTM E243: 2018 ASTM E426: 2021 ASTM E2096: 2022 ASTM E703: 2020 BS EN ISO 17643: 2020
PAUT Welds Casting Forging and Rolled of Ferrous and Non-ferrous Materials (cont.)	Ultrasonic Phased Array Inspection (PAUT) - Fabrication and In-service Inspection Pulse Echo Techniques	ASME (EW-GP-05C-PAUT) -ASME Section V -ASME B31.3 -ASME B31.1 -ASME Sec I -ASME Sec VIII -ASTM E2491-13 -ASTM E2700-20 ISO (EW-GP-05B-PAUT) -BS EN ISO 13588:2019 -BS EN ISO 19285:2017 -BS EN ISO 22825:2019 -BS EN ISO 19252:2015 -BS EN ISO 18563-1 -BS EN ISO 18563-2 -BS EN ISO 18563-3 -ISO 9712:2017

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