



NATIONAL ACCREDITATION BOARD FOR CERTIFICATION BODIES (NABCB)

Quality Council of India (QCI), 2nd Floor, Institution of Engineers Building, Bahadur Shah Zafar Marg, New Delhi – 110002
Phone: +91-11-2337 8056 / 57; Fax: +91-11-2337 8678; E-mail: nabcb@qcin.org; Web: www.qcin.org;

Guidelines on Sub-sector categorization for Inspection Bodies for accreditation against PNGRB Regulations

BCB 503 (O&G) – September, 2018



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Contents

1.0 Backdrop	3
2.0 Sub Classification of IAF Scope Sectors (26,31,34)	3
3.0 Sample template of Inspection Body Scope of Accreditation	5
4.0 Amendment Record	7



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1. Backdrop:

While accrediting the Inspecting Bodies for ISO-17020 in respect for IAF Scope Sectors-26 (Natural Gas Pipeline or NGPL & City Gas Distribution or CGD), 31 (Petroleum & Petroleum Products pipelines or PPPL) and 34 (Emergency Response & Disaster Management Plan or ERDMP) with traceability to PNGRB Technical & ERDMP Regulations, it has been observed by NABCB that individual IBs are competent in one of following:

a) CGD, NGPL and PPPL (IAF Scope Sectors-26 and 31)

- **Stage-Wise inspection** ie from pipeline laying to final commissioning during Construction in either CGD/NGPL/ PPPL or in combinations.
- **In-service inspection** ie during Operation of facility, involving *Audits & /or Integrity Management System or IMS assessment* in either CGD/NGPL/PPPL or in combinations.
- **Both Stage-Wise inspection & In-service inspection** in either CGD/NGPL/PPPL or in combinations.

b) ERDMP (IAF Scope Sector-34):

- **In-service Inspection** for Verification of ERDMP in downstream areas (“a” to “h” as identified in ERDMP regulation of PNGRB (in combinations or entire downstream chain)

2. Sub-classification of IAF Scope Sectors (26,31 and 34)

In view of above, NABCB shall consider following Sub Classification for NGPL, CGD and ERDMP.

26-A: Natural Gas Pipelines Regulation-2009 (Construction & T-4S Audit)

26-A (i) : T-4S Regulation of PNGRB for Natural Gas Pipelines (Stage-wise inspection)

26-A (ii) : T-4S Regulation of PNGRB for Natural Gas Pipelines (In-service Inspection)

26-A (iii):T-4S Regulation of PNGRB for Natural Gas Pipelines (Stage-wise and In-service Inspection)

26-B: City Gas Distribution Regulation-2008 (Construction & T-4S audit)

26-B (i) : T-4S Regulation of PNGRB for City Gas Distribution (Stage-wise inspection of Steel Mains, PE and PNG)

26-B (ii) : T-4S Regulation of PNGRB for City Gas Distribution (In-service Inspection of Steel Mains, PE and PNG)

26-B(iii) : T-4S Regulation of PNGRB for City Gas Distribution (Stage-wise and In-service Inspection of Steel Mains, PE and PNG)



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26-C: Integrity Management System (IMS) Regulations-2012 & 2013 for NGPL & CGD

26-C(i) PNGRB Regulation for IMS of Natural Gas Pipelines (In-service Inspection)

26-C(ii) PNGRB Regulation for IMS of City Gas Distribution (In-service Inspection)

Scope Sector-31: Petroleum & Petroleum Products Pipelines Regulation-2016 (Construction & T-4S Audit):

31-(i) : T-4S Regulation of PNGRB for Petroleum & Petroleum Products Pipelines
(Stage- wise Inspection)

31-(ii) : T-4S Regulation of PNGRB for Petroleum & Petroleum Products Pipelines (In-
service Inspection)

31-(iii): T-4S regulation of PNGRB for Petroleum & Petroleum Products Pipelines
(Stage-wise and In- service Inspection)

31-(iv): PNGRB Regulation for IMS of Petroleum & Petroleum Products Pipelines (In-
service Inspection)

Scope Sector-34: Emergency Response and Disaster Management Plan (ERDMP) Regulation-2010

34-(i): ERDMP Regulation of PNGRB (In-process Inspection- a/b/c/d/e/f/g/h/i as
applicable under item -3 of Regulation)

34-(ii) : ERDMP Regulation of PNGRB (In-process Inspection-entire downstream areas
as applicable under item-3 of Regulation)



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3. Sample Template of Inspection Body Scope of Accreditation

S. No.	IAF Scope Sector Classification Code (Indicative)	Field of Inspection	Type and Range of Inspection	Standards / Regulations /Methods /Procedures		Office(s) where competence of scope exists
				Number identification with year of publication	Title	
1.	IAF Scope-26	Gas Supply – CGD /NGPL with item-26-A/B/C-i/ii/iii)	Stage-wise / In-service	PNGRB's GSR 808(E) dated 11.11.2009 along with latest amendments, national/ international standards mentioned therein and relevant statutes	PNGRB's "Technical Standards and Specifications including Safety Standards for Natural Gas Pipelines" Regulations, 2009	
				PNGRB's GSR 612(E) dated 27.08.2008 along with latest amendments, national/ international standards mentioned therein and relevant statutes	PNGRB's "Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Network" Regulations, 2008	
				PNGRB's Infra/IM/NGPL/1/2010 dated 05.11.2012 along with national/ international standards mentioned therein and relevant statutes	PNGRB's "Integrity Management System for Natural Gas Pipelines" Regulations, 2012	
				PNGRB's Infra/IMP/CGD/1/2013 dated 16.05.2013 along with national/ international standards mentioned therein and relevant statutes	PNGRB's "Integrity Management System for City or Local Natural Gas Distribution Network" Regulations, 2013	



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S. No.	IAF Scope Sector Classification Code (Indicative)	Field of Inspection	Type and Range of Inspection	Standards / Regulations /Methods /Procedures		Office(s) where competence of scope exists
				Number identification with year of publication	Title	
2.	IAF Scope-34	Emergency Response & Disaster Management Plan (ERDMP) as per 34-i / ii Note: Name of Downstream area(s) to be mentioned	In-service	GSR 39 (E) Dated 18.01.2010 along with latest amendments, national/ international standards mentioned therein and relevant statutes.	PNGRB's Codes of Practices for Emergency Response and Disaster Management Plan (ERDMP) Regulations -2010	

S. No.	IAF Scope Sector Classification Code (Indicative)	Field of Inspection	Type and Range of Inspection	Standards / Regulations /Methods /Procedures		Office(s) where competence of scope exists
				Number identification with year of publication	Title	
3.	IAF Scope-31	Transportation of Petroleum & Petroleum Products by Pipeline - item-31-i/ii/iii/iv	Stage-wise / In-service	PNGRB's GSR Infra/T4S/P & PPPL/01/2014 dated 12.02.2016 along with national/ international standards mentioned therein and relevant statutes	PNGRB's "Technical Standards and Specifications including Safety Standards for Petroleum and Petroleum Products Pipelines" Regulations, 2016	



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Amendment Record

<u>Date</u>	<u>Auth. By</u>	<u>Description of Amendment</u>
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