



Rev: 1.1

Approved By:


Mike Fisher
Services Quality Leader


Patrick Trappitt
ANZ Regional Quality Leader

Document Revision Chart

The following chart lists the revisions made to this document tracked by version. Use this to describe the changes and additions each time this document is re-published. The description should include as many details of the changes as possible.

[illegible]



GE Oil & Gas Quality Management System
GE Oil & Gas Australia Region
Adminstrative Control of NDT

QW-FAC-PER-009
Rev: 1.1

Table of Contents

1.0 PURPOSE	3
2.0 SCOPE / APPLICATION	3
3.0 PROCEDURE.....	3
4.0 RESPONSIBILITIES.....	5
5.0 QUALITY RECORDS	6
6.0 TERMS, DEFINITIONS AND ACRONYMS.....	6
7.0 REFERENCES.....	7
8.0 COMPLIANCE REQUIREMENTS	7
9.0 APPENDIX / ATTACHMENTS.....	8



GE Oil & Gas Quality Management System

GE Oil & Gas Australia Region

Administrative Control of NDT

QW-FAC-PER-009

Rev: 1.1

1.0 Purpose

The purpose of this work instruction is to establish and maintain a system for governing the NDT practices by ensuring that:

- All Non-Destructive Testing inspection requirements meet or exceed pertinent codes and GE Oil & Gas internal procedures;
- Appropriate procedures quality controls, surveillance, and data integrity are in place for the coordination of NDT services;
- All NDT personnel are suitably qualified to perform the tasks; and
- All NDT imaging results must comply to the Digital Imaging and Communication standard which encompasses all NDT specific imaging methods, technologies and where referenced in the ASME code.

2.0 Scope / Application

This procedure is applicable to all NDT carried out at the GE Oil & Gas Jandakot site in Western Australia and the NDT Suppliers' facilities for Subsea Systems and Drilling & Surface business. All NDT shall be performed by certified personnel in accordance with approved NDT procedures.

3.0 Procedure

3.1 Identification of Test Locations

3.1.1 Input: Requirement for NDT inspection identified:

3.1.2 Process Steps:

3.1.2.1 When requested by the vendor and/or when required by GE Oil & Gas Jandakot, all test areas shall be identified by the completion of a Request for Non-Destructive Testing Form (QF-PER-002);

3.1.2.2 The completed form is to be submitted to the NDT technician prior to the commencement of testing. Where appropriate, marked up drawings should be attached to the request indicating the correct test locations;

3.1.3 Output: GE Representative shall issue vendors with a Contractor Inspection Form (QF-PER-051) for each item requiring inspection



GE Oil & Gas Quality Management System
GE Oil & Gas Australia Region
Administrative Control of NDT

QW-FAC-PER-009

Rev: 1.1

3.2 Check Supplier qualifications

3.2.1 Input: Contact details of the supplier to be verified for NDT test Qualification

3.2.2 Process Steps:

3.2.2.1 Suppliers performing NDT are required to submit their operator qualifications to the GE Oil & Gas Sourcing department as part of the AVL qualification.

3.2.2.2 Suppliers may submit a request for dye pen and magnetic particle inspections to be included with their qualification on the AVL.

3.2.2.3 All subcontract personnel performing non-destructive testing shall be qualified to a minimum of ASNT level 2 or recognised equivalent in that method. Equivalent qualification standards include:

- a) CSWIP
- b) JSNDI
- c) AINDT and
- d) BINDT

3.2.3 Output: Supplier Qualification verified for performing NDT testing

3.3 Perform NDT Testing

3.3.1 Input: NDT Technician is scheduled to complete inspection/s

3.3.1.1 The NDT Technician is to liaise with a GE Representative prior to commencement of any work.

3.3.1.2 The GE Representative shall issue the NDT Technician with a Contractor Inspection Form (QF-PER-051) for each item requiring inspection.

3.3.1.3 On completion of all work, the NDT Technician is required to hand the completed contractor inspection form back to GE.

3.3.2 Output: Inspection is carried out and completed Contractor Inspection Form (QF-PER-051) and relevant NDT certificates are received by GE.



GE Oil & Gas Quality Management System
GE Oil & Gas Australia Region
Administrative Control of NDT

QW-FAC-PER-009

Rev: 1.1

4.0 Responsibilities

Key Role	Responsibility
Environment, Health and Safety Manager	The EHSM, or delegate/s, has responsibility for the administrative control of the Job Safety Assessments. This shall include, but not be limited to reviewing and approving safety processes, procedures, and qualification of correct exclusion areas as detailed in the JSA.
GE NDT level 3	Reviewing and approving NDT procedures
Materials Engineer	Responsible for establishing the NDT requirements.
NDT Technician	Ensuring that the components are tested in accordance with the applicable standards & specifications and providing reports indicating all relevant test details, traceability for the items tested and the results of the test.
Operations Supervisor	The operations supervisor or delegate has responsibility for coordination of the NDT services set by the ME.
Planner	Responsible for incorporating the NDT requirements set by the ME into the work order.
SQE	Responsible for monitoring and where required, reporting compliance of the NDT program set by the ME.
Sourcing Buyer	To ensure an approved supplier is selected and is qualified for the type of test.



GE Oil & Gas Quality Management System
GE Oil & Gas Australia Region
Administrative Control of NDT

QW-FAC-PER-009
Rev: 1.1

5.0 Quality Records

The following records produced by this procedure are considered Quality Records and shall be maintained and controlled according to the requirements in GEEQMS 4.2.4 - Record Control:

- Completed Request for Non-Destructive Testing Form - QF-PER-002
- Completed Contractor Inspection Form – QF-PER-051
- NDT Reports
- Completed JSA Records
- ITP's

6.0 Terms, Definitions and Acronyms

6.1 Terms & Definitions

Term	Definition
GE Oil & Gas	GE Oil & Gas Australia Pty Ltd
Non-Destructive Testing	Non-Destructive Testing (NDT) is used to designate those inspection methods that allow materials to be examined without changing or destroying their usefulness. The term NDT is interchangeable with Non-Destructive Examination (NDE).



GE Oil & Gas Quality Management System

GE Oil & Gas Australia Region

Administrative Control of NDT

QW-FAC-PER-009
Rev: 1.1

6.2 Acronyms

Acronym	Definition
AINDT	Australian Institute of NDT
ASME	American Society of Mechanical Engineers
ASNT	American society for Nondestructive Testing
AVL	Approved Vendor List
BINDT	British Institute for NDT
CSWIP	Certification Scheme for Welding Inspection Personnel
EHSM	Environment, Health and Safety Manager
GEEQMS	G.E. Energy Quality Management System
ITP	Inspection & Test Plan
JSA	Job Safety Analysis
JSNDI	Japanese Society for Non-Destructive Inspection
NDT	Non-Destructive Testing
WI	Work Instruction

7.0 References

GEEQMS 3.0 – Terms, Definitions and Acronyms
GEEQMS 4.2.4 - Record Control
GEEQMS 6.2.2 – Competence, Awareness & Training
ISO 9001:2008
QF-PER-002 – Request for Non-Destructive Testing Form
QF-PER-51 – Contractor Inspection Form
QO-PER-002 - Document & Record Location Map
QP-PER-4.2.3-001 – Control of Records

8.0 Compliance Requirements

- Plan for implementation in place by 04-06-2013
- Full internal compliance required at the GE Jandakot facility by 30-06-2013
- Full external compliance required by all Vendors at the placement of the next Purchase Order following the internal compliance date of 30-06-2013



GE Oil & Gas Quality Management System
GE Oil & Gas Australia Region
Administrative Control of NDT

QW-FAC-PER-009
Rev: 1.1

GE Oil & Gas
Title: Administrative Control of NDT
Reference: QW-FAC-PER-009
Revision: 1.1
Application Date: 04-06-2013
Expiration Date: 04-06-2016
Author: Richard Edwards
External: ISO Clause 9001 Clause 7.5.3
References:

9.0 Appendix / Attachments

None