SERVICE SPECIFICATION

Specification Title		**Department**	Lead Pipe Stress Engineer
Company Name		**Nominated Worker**	

Service Specification Summary

Service provision for the Pipe Stress and flexibility analysis activities. Input to piping flexibility analysis, reviewing and finalising pipe and support design / layout and the arrangements, code calculations and originate and checking Piping stress deliverables.

Company Service Requirements for Any Nominated Worker Provided

Any Personnel provided by your organisation to deliver this service should be able to:

- Create the schedule, input to the allocation of resource and time assignments for the pipe stress team
- Implement QA/QC procedures as required by Company and Client standards. Provide assurance that these standards are complied with
- Perform Piping Stress Analysis (static and dynamic) for A/G and U/G lines and finalise the stress documentation
- Finalise stress analysis design basis, critical line list, work procedure, data sheets, support specification / standards
- Review, check and endorse third-party analysis
- Input in the planning and scheduling of Stress Deliverables
- Qualification of Standard Piping support details including design calculation and verification of loads
- Finalise Material Requisition, Datasheets and TBE for brought out items (specialty supports, spring hangers etc.)
- Review and endorse Vendor drawings and documents
- Co-ordinate with Piping Engineers and Designers, and other disciplines / departments as required for interfaces
- Co-ordinate with Piping counterparts in Client/Contractor organisations
- Conduct site visits and data collection from Client's offices / plants
- Attend meetings with Clients/ Contractors/ Vendors
- Identifiy scope of work required to undertake a project / job and estimation of deliverables
- Input to project plans and schedules
- Provide immediate identification and escalation to Department Head of any issue with regards to resource requirements and their performance/competency
- Produce cost effective engineering solutions that are fit for purpose, safe and add value to both PD&MS and the Client
- Ensure operational and maintenance issues are addressed in the design, seeking input from operations and maintenance personnel
- Monitor progress of work and achieve completion within the agreed schedule and budget
- Produce and check documents and stress analysis engineering design deliverables
- Review documents circulated by other disciplines for IDC or comment
- Attend at meetings called by Project Manager / Engineer, e.g. kick-off meeting, progress meeting
- Attend at Design Reviews, HAZOPs, Constructability Assessments etc.
- Impart knowledge on up to date technical developments, client, national and international standards and legislative requirements related to the position
- Ensure compliance with applicable Industry Codes and Standards, HSE Alerts, Statutory Instruments, Client and PD&MS Specifications and Legislative Requirements and establishing order of precedence on a project-by-project basis

- Adhere to the company integrated management system
- Comply with quality assurance, health and safety and environmental policies
- Ensure unsafe activities are challenged
- Adhere to the requirements of the best practice standards recommendations and processes, in particular, risk assessment and control, reliability and failure prevention necessary to ensure the safe design, provision and use of tools, equipment and systems

Nominated Worker Permissions

- May produce and sign engineering design deliverables as being engineering checked and endorsed (to be approved by an Employee)

Any Nominated Worker provided by your organisation should meet the following Competence Levels (Evidence will be sought for any individual proposed)	M / P	Y / N / CE	Details
BSc or equivalent in relevant Engineering Discipline	M		
Chartered Engineer status	P		
Significant, demonstrable experience in Stress Analysis Detailed Design Engineering and Engineering Checking	M		
Understanding of all Engineering disciplines	M		
Thorough knowledge and understanding of relevant Oil & Gas Industry Codes and Standards	M		
Highly competent in the use of Intergraph Caesar II Pipe Stress Analysis products	M		
Demonstrable experience in Static and Dynamic Analysis	M		
Understanding of Piping Layout, Materials and Specifications	M		
Competent in the use of MS Office applications	M		
Excellent written and spoken English	M		

M – Mandatory	P – Preferred	CE – Competency Evaluation