

Job Title: Test & Approvals Engineer	Location: Hunmanby UK
Department: Test & Approvals	Contract: Permanent
Reports To: The Test & Approvals Department Manager	Direct Reports: N/A

1.0 Job Summary & Role

The individual will work within the Test and Approvals department located at DSE headquarters in Hunmanby North Yorkshire. They will perform verification and validation activities at a product and system level on new product developments as an integral part of ensuring high-quality products are built by the company.

2.0 Key Responsibilities & Main Duties

- Develop internal procedures and techniques for verification and validation testing
- Write and execute test scripts and plans for the testing of products as part of a new product development and release process
- Setup test apparatus, including wiring and rewiring of test looms
- Complete test and issue reports as part of testing in a controlled manner.
- Utilise existing and contribute to the development new testing tools.
- Communicate and maintain timing records for time spent on projects.
- Make use of the company documentation, version control system and issue management systems to record findings in a controller manner.
- Obtain product knowledge and assist with new product specification.
- Other ad hoc duties as and when required.

3.0 Internal & External Relationships

Engineering department – the test and approvals engineer will work closely with the software development team whilst testing the products and to communicate the detail of the results.

Engineering management – the test and approvals engineer will be an authority on product applications and will advise the engineering management team on product design.

Technical Support – assist technical support with more involved customer queries.



JOB DESCRIPTION & PERSON SPECIFICATION



4.0 Key Performance Indicators

- Attention to detail, patience and self-discipline required for software testing.
- Consistently using positive working and communication practices to contribute to software verification.

5.0 Essential/Desirable Factors

Knowledge	
<p>Essential:</p> <ul style="list-style-type: none"> • Knowledge of electrical systems for power generation applications • Working with Live voltage • Good mechanical understanding and operation of the diesel engines 	<p>Desirable:</p> <ul style="list-style-type: none"> • A good level of understand of relevant applications, testing methodologies and product development lifecycles.
Skills & Attributes	
<p>Essential:</p> <ul style="list-style-type: none"> • Repeatability of execution of software test plans, in order to capture issues first test • Attention to detail, patience and self-discipline required for software testing. • Consistently using positive working and communication practices to contribute to software verification • An open attitude for learning and continuous skills development • Able to perform tasks on its own or as part of a team. Team work is essential • Good understating and usage of the Microsoft Office package 	<p>Desirable:</p> <ul style="list-style-type: none"> • PLC programming in ladder logic and/or structured text • Operation of the ECU controlled engines and CAN communication
Experience	
<p>Essential:</p> <ul style="list-style-type: none"> • Knowledge of electrical systems for power generation applications 	<p>Desirable:</p> <ul style="list-style-type: none"> • Proven experience in a software development environment and/or a software test role. • Commissioning experience in multi generator synchronising and paralleling applications.



JOB DESCRIPTION & PERSON SPECIFICATION



Qualifications	
Essential:	Desirable: HND in electrical engineering

Created by	Dated Created
Scott Preece – Technical Director	Date – 07/01/2021

This information has been discussed and agreed with the new employee as part of the onboarding process:

Job Holder

Signature _____ Print Name _____ Date _____

Line Manager

Signature _____ Print Name _____ Date _____

