

<b>Job Title: Test &amp; Approvals EMC Engineer</b>	<b>Location: Hunmanby, UK</b>
<b>Department: Test and Approvals</b>	<b>Contract: Permanent</b>
<b>Reports To: The Test &amp; Approvals Department Manager</b>	<b>Direct Reports: N/A</b>

## 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 EMC and Environmental testing on the current range of products and new developments. The EMC engineer will ensure all tests are performed correctly against the applicable EMC and environmental standards to ensure DSE products comply with the 2014/30/EU directive.

## 2.0 Key Responsibilities & Main Duties

- Environmental / EMC testing of current and new products during development and approval stages.
- Liaise with setup, organise, and attend external Labs for compliance testing (EMC, vibration and shock testing or environmental).
- Document test procedures and produce customer facing reports.
- Risk analysis and standards assessment for CE and UKCA marking

## 3.0 Internal & External Relationships

**Engineering department** – the EMC and Environmental engineer will work closely with the Engineering hardware team before and whilst testing the products and communicate the detail of the results.

**Engineering management** – the EMC and Environmental engineer will be an authority on product compliance with the applicable EMC and environmental standards and will advise the engineering management team on product design and requirements.

**Technical Support** – will assist Technical Support with EMC related queries raised by the customers.

## 4.0 Key Performance Indicators

- Ensure all products are tested to the correct standards and achieve full compliance.



## JOB DESCRIPTION & PERSON SPECIFICATION



- All documents and reports are kept up to date to maintain the ISO 9001 certification.
- Accurate estimates of time and testing task at the start of the project.
- Effective communications with the Engineering department for the found issues and testing progress.

### 5.0 Essential/Desirable Factors

<b>Knowledge</b>	
<p><b>Essential:</b></p> <ul style="list-style-type: none"> <li>• A solid background in EMC testing for the industrial environment</li> <li>• A good level of experience on using various testing equipment: EMC receivers, spectrum analysers, signal generators, antennas, GTEM, EFT and surge generators</li> <li>• Good understanding of the BSI EN 61000-6-4 and BSI EN 61000-6-2 standards</li> <li>• Operation and programming of environmental chambers.</li> <li>• Knowledge of automotive EMC standards and testing procedures for the E11 approval</li> </ul>	<p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• Experience with the UL standards and approvals</li> <li>• Knowledge of industry and automotive vibrations and shock standards and testing methods</li> </ul>
<b>Skills &amp; Attributes</b>	
<p><b>Essential:</b></p> <ul style="list-style-type: none"> <li>• A working knowledge of product EMC and environmental testing procedures.</li> <li>• Must be able to work on own initiative as well as be an effective team member.</li> <li>• Able to demonstrate all-round technical/electronics capability.</li> <li>• Demonstrable knowledge of the Low Voltage Directive and EMC Directives.</li> <li>• Experienced in reading, interpreting and testing of harmonised standards for engineering technical construction files.</li> <li>• High concentration levels and attention to detail.</li> <li>• High level of IT skills with knowledge of Microsoft packages and an ability to quickly understand and use other software systems.</li> <li>• Willing to undertake relevant specialist training where required.</li> </ul>	<p><b>Desirable:</b></p> <ul style="list-style-type: none"> <li>• PCB layout and tracks routing techniques</li> <li>• PCB fault finding and debugging at component level</li> </ul>



## JOB DESCRIPTION & PERSON SPECIFICATION



Experience	
<b>Essential:</b>  Good previous experience in an EMC testing position	<b>Desirable:</b> <ul style="list-style-type: none"> <li>Work experience in a UKAS accredited test lab</li> <li>Experience in product compliance analysis and testing methods</li> </ul>
Qualifications	
<b>Essential:</b>	<b>Desirable:</b> <ul style="list-style-type: none"> <li>NHC equivalent in Electronic Engineering or similar.</li> </ul>

Created by	Dated Created
Vlad Cernatescu – T&A Department Manager	23/03/2021

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

**Job Holder**

Signature	Print Name	Date
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**Line Manager**

Signature	Print Name	Date
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