Deepika Choursiya

Electrical Component Engineer

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More than 4.9 years of experience in the field of Component /Compliance Engineering and Technical education. Successfully delivered 3 RoHS and REACH projects with the excellent Client Satisfaction Survey index consistently.Looking for an organization, which may provide a better environment to where I can share & improve my knowledge as well as my skills in the field of Component /Compliance Engineering. Aspiring for a technically challenging position where I would be able to utilize my technical potential, Good interpersonal communication skills, Self-learning attitude.

WORK EXPERIENCE

Electrical Component Engineer

Schlumberger Information Services USA - May 2012 to December 2012

Schlumberger COSEG project is mainly focused on analyzing RoHS and REACH Compliance with creation, changes and obsolescence management of product documentation. Responsibilities are minting details related to product Life Cycle, Safety and Compliance Engineering for Schlumberger COSEG project. Ability to work with minimal oversight on a variety of complex oil and gas electronic products as it relates to compliance and sustainability.

Responsibilities:
• Maintaining parts information in PLM (Product Lifecycle Management) Tool.
• Maintaining parts data in GEMS Database (Schlumberger internal database).
• Collaborate daily with manufacturing engineering team on RoHS Initiative project, which involves ensuring all parts do not contain Lead, Mercury, Cadmium, or Hexavalent Chromium in them.
• Inputs to master Part Number list correlating old (non-compliant) and new (compliant) Part Number list.
• Manage compliance of supply chain and company's products to European Union RoHS, REACH, and other regulatory requirements regarding environmental, health, and social responsibility.
• Responsible for ensuring that all products comply with US and world-wide standards for hazardous substance restrictions.
• Developed, review and update ECO (Engineering Change order), ECR (Engineering Change request)
• Create New Part registration and part modification.
• Analyzing and Suggesting right component from different manufacturer references.
• Creating information as per standards.
• Modify parts details according component selection group checklist and work flow.
• Hands on experience in interpreting the electronic component manufacturer datasheets.
• Analysis and document Product Change notice and Product Discontinuation Notice.
• Identifying alternate part number / cross reference.
• Identifying RoHS equivalent parts for non RoHS electronic components
• Work closely with Engineering, Quality Assurance, and suppliers on all component issues
• Provide component level expertise and consulting to Design Engineers.
• Component obsolescence search through various distributors website.
• Component Sourcing from global supplier
• BOM creation, scrubbing, validation and analysis.
• Involved in supporting sustaining engineering team to support current Production.

• Involved in Electronic Component Database Management

Component/RoHS Engineer

Enventure Technologies Pvt.Ltd - April 2011 to May 2012

Client: GE Healthcare

The project is mostly focused on RoHS (Restriction of Hazardous Substances) analysis including REACH, Full material declaration, Technical specification, End of life, part obsolescence management, validating Bill of material with approved vendor list.

Responsibilities:
• Performed regular reviews on the Bill of Materials to ensure that there were no hazardous substances in the components and were free of all technical snags.
• Efficiently verify 1000's of part numbers to RoHS compliance in a short period of time, utilizing understanding of EU RoHS directive requirements, and experience with supplier materials and methods of documentation, ensuring future business in expanding foreign markets.
• Contacting and working with vendors/suppliers request and obtain their current documentation demonstrating RoHS (Restriction of Hazardous Substances) Directive 2011/65/EU compliance for their supplied parts.
• Coordinated and managed responses for thousands of parts from a complex Progress Report spreadsheet by transforming data into thorough charts with Excel.
• Regular collecting, checking and documenting Certificate of Compliance (CoC) from supplier.
• Supporting product transfer and implementation into manufacturing Perform BOM analysis (ROHS compliance, end of life/obsolescence).
• Exposure searching different database to collect technical specification.
• Verification of MPN, collection of attributes.
• Documented all the procedures and reports.
• Full Material Discloser (FMD) analysis.
• Built a part number & validation of part number.
• Data collection about parts technical aspects.
• Approving component alternate suppliers or part numbers.
• Recommending options for manufacturer's discontinued compo
• Maintained the components and suggested alternates if required.
• Full Material Discloser (FMD) analysis.

Client Name: Rockwell Automation USA
The project is mainly focused on Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) analysis including Part Validation, Life Cycle Status, and RoHS Validation. Validate the input manufacturer name, part number and component description. Gather Life cycle status for OEM part number. Extraction of Part details from OEM sites, Validating Datasheets and specification.

Responsibilities
• Maintain database according to REACH compliance.
• Involved in information gathering with Suppliers.
• Provide support to design team to resolve REACH compliant issues and questions.
• Communicate and work with suppliers to collect REACH Certificate of Compliance.
• Documenting REACH Certificate and updating same in internal database.
• Analyzing products do not contain Substances of Very High Concern or if there are SVHC in the product/ article, the content is less than the 0.1% (wt/wt) as defined by REACH Article 57, Annex XIV, Directive 67/548/ EEC.

• Performing Part Validation, Collecting Environmental Data (RoHS).
• Capturing Attributes (Specification) for Part numbers which are being procured for the production.
• Responsible for providing accurate and timely alternate sourcing of new Electronic components in support of the development of new hardware designs/products, uploading the Data received from Suppliers into Supplier Database.
• Detailed analysis of the circuit and timing diagrams for the parametric evaluation of the Electrical, Mechanical and Functional specifications of the components.
• Analyzing PCN, PDN notification.

➢ Vindhya Institute of technology and Science

Worked as Lecturer
Umrikheda   -   Indore, Madhya Pradesh - September 2008 to October 2011

Responsibilities:
• Delivering lectures on various subjects including Electrical Engineering, Electrical and electronics materials, Power System and Environmental studies.
• Conduct Power system and Electrical Machines lab procedures.
• Assessing student's coursework and supporting students through an advisory role.
• Carrying out administrative tasks related to department.
➢ SDITS
Khandwa Road, Khandwa M.P, India

Worked as Lecturer
 - November 2007 to September 2008

Responsibilities:
• Delivering lectures on various subjects including Electrical Engineering, Electrical and electronics materials, Power System and Environmental studies.
• Conduct Power system and Electrical Machines lab procedures.
• Assessing student's coursework and supporting students through an advisory role.
• Carrying out administrative tasks related to department.

EDUCATION

Bachelor of Engineering in Electrical & Electronics Engineering
Rajiv Gandhi Proudyogiki Vishwavidyalaya - Bhopal, Madhya Pradesh
2003 to 2007

ADDITIONAL INFORMATION

Key Skills:

• Good knowledge of Electrical & Electronic component.
• Hands on experience with PLM Tool
• Excellent communication & Coordination skills.
• Experience in product research using multiple methods.
• Hands on experience of Agile (PLM), MS Excel, Access, Word, PowerPoint, Outlook and different PLM Database.
• Through Knowledge of regulatory compliance such as RoHS, REACH, Conflict Minerals.
• Good knowledge of SQL.

Software Environment:

Operating Systems: Windows 2003/XP/7.
Products/Tools: GeMS (Global Engineering Management @ Schlumberger), MatrixOne, MSOffice 2007
Databases: IHS DB, Mouser, Oracle, DB2.
Business Domains: Oil & Gas, Healthcare, Aerospace, Consumer Electronic Devices