


MCD North America Inc. 24371 Catherine Ind. Drive, Suite 235 Novi, Michigan 48375 www.mcd-northamerica.com	Date:05-15-08	Created by: Patrick Volz	
	Version: 1.0		

Workplace and Job Description – Peripheral and Applications Technician/Engineer

Job specification:

Preparing requirement specification (may be required, but rarely)

- for customers
- for internal software/hardware development
- for assembly of test systems

Design of test systems, adaption and special test stands per customer request and expense consideration.

Preparing assembly manuals for suppliers, employees subject to directives, etc.

Block diagram, assembly of control units, appliance assembly, cable lay out plans, measurement drawer, wiring diagram...

[during preliminarily planing the course of action will be determined based on the quotation content and meetings with the customer].

Project planing, project management, assignment of employees, and/or external assembly planing and quality control.

On the job-training -from quote to processing-

-Preparing applicable control plans, designed for suppliers, or for an internal completion

-Generating records for application software preparation

-Taking responsibility for assignment and applying it to the particular application

-Monitoring project progressing, based on existing duties, as well as of the suppliers

[Internal and external associates/outside firms]

-Preparing application specific software through interpretation applications

Test procedures are programed with MCD internal interpreter language.

Outline:

_Preparing data banks with parameter for test steps

-Preparing layout development charts and test plans


-Preparing layout index and range parameters in DBASE format

-Preparing/absorbing test steps and make adjustments to each measurement test

Based on existing pools, the steps will be selected and adapted

-Debug test steps, development based on inspection requirements and limitation values

-Preparing CPK evaluation with company internal software


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- Training sessions, briefing in house as well as at the customers facilities, resolving issues in applications for the customer (example: if equipment is delivered to the customer and can only be used by the customer, to implement types, adapters, etc.)
- Start up of test systems, measurement systems, adaption 's
- Preparing Basis software/Tools, DLL's, COM Server etc. with the application of programming language amongst the operating systems Windows XP, C++, VISTA)
- Developing measurement cards, PC-insertion cards for special usage and measurement testing
- Service, expansion of test systems at home and abroad (if necessary). Followed by training and instructions
- Start up and orientation of complex test systems
- Remote maintenance, diagnosing test systems, telephone support
- Preparing operating instructions
Description of prepared test steps, the type of measurement, as well as the special originalities for the assembled test systems - Based on customer request
- Assembling and start up of new developed control and measurement cards.
- Preparing application software with LabView.
- Knowledge of the German language a plus, but not required

Requirements:

- Sound knowledge of MS Office Standard programs
- Application of PC, network, hardware within or on the PC...
- Team Player
- Experienced in Project management
- Motivated individual (to be trained in new areas)
- Able to work under pressure

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Workplace and Job Description – Peripheral and Applications Technician/ Engineer

- Capable of working independently
- Professional development
- Knowledge in application of Bus-Systems, for example IEEE488, RS232,CAN, ISO, MOST, LIN, general KFZ-Busse, USB...
- Experienced with hardware analog and digital areas
- Reading and understanding circuit diagram, block diagram...
- Knowledge in area of high frequency range is beneficial.
- Product knowledge (Operation and assembly of modern electronic equipment)
- Completed Education as Technician/Engineer
- Working knowledge of programming and object oriented computer language (predominantly Delphi, Pascal, C++...)
- Confident and discrete appearance
- Creative
- Business focused approach
- Valid driver's license

Current Company Structure of MCD North America Inc.

-Assembly (2010)
-Start-up
-Service

-Marketing/Sales
-Purchase/ Major equipment

Customer USA
North-and South America

Customer service and development
Distribution MCD North America