

## JOB DESCRIPTION

### LTE/WCDMA Protocol Tester Level 2 Application Engineer

<b>Job Type:</b>	Permanent	<b>Location:</b>	Munich/Europe
<b>Start Date:</b>	ASAP	<b>Duration:</b>	2 years
<b>Reference:</b>	171030		

#### PRINCIPAL PURPOSE OF ROLE

The position is dedicated to general customer support for multi-RAT protocol tester solution and requires excellent 3GPP RAN signaling protocol experience and hands-on experience in mobile terminal testing using protocol test or RF test equipment.

#### MAIN RESPONSIBILITIES AND DUTIES

*(Including level of responsibility where necessary)*

- **Support of R&S CMWtools (Cards, Mars, Installer)**
- **Support of R&S protocol-testing solution for LTE, WCDMA, GSM and WLAN**
- **General R&S CMW500 protocol test equipment customer support and troubleshooting (e.g. installation, software update, automation of DUT and test equipment, licensing, protocol testing software applications, logging tools, monitoring tools, ...)**
- Support test sessions / product evaluation with customers
- Training to local R&S application engineers or customers
- Be a primary support contact for R&S local field application engineers

*It may be necessary to undertake any other such duties as reasonably required to help maintain an efficient and flexible environment within the organisation.*

#### TOOLS AND EQUIPMENT USED

- Wireshark and R&S proprietary protocol testing software tools for log file analysis
- MS Visual Studio .NET 2010 for test script development in C/C++
- R&S CMW500 C++ test case development API and libraries
- R&S PR database / CTS as customer ticketing system
- Bugzilla and RTC Jazz for bug tracking

<b>KNOWLEDGE/EXPERIENCE AND QUALIFICATIONS</b>	
<b>ESSENTIAL</b>	<b>DESIRABLE</b>
<ul style="list-style-type: none"> <li>• Minimum of 5 years' experience in LTE, WCDMA, GSM and WLAN, UE E2E data testing</li> <li>• Excellent knowledge of Application environment: IMS, VoLTE, WLAN offloading</li> <li>• Knowledge of E2E application testing/troubleshooting in IMS and VoLTE</li> <li>• Excellent know-how or relevant 3GPP LTE (mandatory), IMS (mandatory), WCDMA (appreciated) and GSM (optional) radio access network core and test specifications</li> <li>• Very good hands-on experience working with mobile radio communications testers and UEs for data plane verification, signaling protocol testing, test case and UE automation</li> <li>• Proven experience in direct customer support and trouble shooting for mobile communications systems or test equipment</li> <li>• Basic knowledge of C++, C# and/or Python</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of PC application testing/troubleshooting</li> <li>• Knowledge of RF aspects of measurement devices like fading simulator, spectrum analyzer and signal generator</li> </ul>
<b>BEHAVIOURAL SKILLS</b>	
<b>ESSENTIAL</b>	<b>DESIRABLE</b>
<ul style="list-style-type: none"> <li>• Good communication and personal skills</li> <li>• Team player and motivated self-learner</li> <li>• Able to work under pressure</li> <li>• Customer oriented and problem solving approach</li> </ul>	

Workplace is Munich. Customer visits on request are possible.

We are looking for the right people and are very keen to get your CV and schedule telephone interview.

Please contact us at [job@noriba-it.com](mailto:job@noriba-it.com).