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PRESS RELEASE

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setcom announces validated OMA SUPL 1.0 device certification test case submissions in February 2008 at both GCF and PTCRB certification forums

Background

SUPL refers to Secure User Plane and is an Open Mobile Alliance (OMA) defined protocol that allows a client based in a mobile device to communicate with a location server located in the wireless network over an IP connection.

Although E911, E112 callers can be located using A-GPS over the control plane (radio bearer layers) it is not a very efficient approach when required to support internet based applications such as map packages, "where am I?" queries, instant messaging applications and asset or people tracking applications.

SUPL supports many different location methods such as Cell ID and Assisted-GPS (A-GPS) etc. However SUPL is being targeted by operators for use with mid to high end devices supporting integrated GPS chipsets and location based application using A-GPS and SUPL, with the goal of taking over the lucrative device navigation market from the established GPS handheld navigation devices produced by companies like Garmin and tom-tom.

SUPL Device Certification

It is then imperative that SUPL devices are rigorously developed and certified on a test platform that supports the full SUPL feature set. Currently setcom have developed and tested the GCF and PTCRB required test cases on numerous OMA SUPL 1.0 compliant UE's, using both the highly acclaimed all-in-one application test system the S-CAT 6000 test platform, listed at GCF and PTCRB as platform number 85, as well as the well-known S-CAT 5020 (RF hardware agnostic) test system, GCF/PTCRB platform 41. Both systems remotely control the Spirent 4200 GPS satellite simulator to transmit the required GPS constellation.



The first S-CAT series validation submissions are planned for mid February 2008, with the remainder projected for completion by April 2008. This will result in both the established S-CAT 5020 and the new S-CAT 6000 series, to be ratified as GCF & PTCRB approved SUPL test platforms.

Examples of test functionality within the S-CAT series SUPL environment:

- ✓ Secure Socket Layer (SSL) Certificate Exchange
- ✓ Supporting of Transport Layer Security (TLS) RSA with both Advance Encryption Standard (AES) 128bits or 256bits CBC SHA encryption algorithms
- ✓ Exchange of Assistance data over User Location Protocol (ULP)
- ✓ Supporting Proxy and Non-Proxy mode of SUPL location session call flows
- ✓ Remote control of GPS simulator

With the addition of SUPL, the S-CAT series test systems now support an ever growing list of conformance test requirements including MMS, VT, POC, DM, SUPL, JAVA, IMPS, DRM, EMAIL, BROWSING, STREAMING and GAN signalling test cases with IMS Call Control, RoHC and BCAST coming soon! This is an impressive overall portfolio of fifteen hundred plus (1500+) tests for mobile multimedia applications and signalling protocols. These protocol schemes and applications may also be tested through wireless LAN (W-LAN) protocols over UMA/GAN.

About setcom (www.setcom.eu)

setcom started its business operations in Munich in 1989 and has evolved into a global company in the field of wireless protocol and mobile multimedia testing. The company is now one of the leading conformance and R&D test solution suppliers with a portfolio of over 1300 GCF/PTCRB compliant Test Cases. setcom's goal is to assist customers in minimizing development costs and shorten their time to market while offering a seamless service. setcom's client base includes leading mobile handset manufacturers, global network operators and test houses. setcom has offices in Germany, Malta, the United Kingdom and North America and professional sales partners in the Asia-Pacific region.

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