ellisys
Better Analysis.

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Ellisys releases new time-saving Instant Beacons and Superframe views to enable real-time debugging of multiple networked WiMedia devices

Geneva, Switzerland — July 9, 2007 — Ellisys, a leading supplier of test solutions for USB, Certified Wireless USB and the WiMedia Platform, today announced new Instant Beacons and Instant Superframe features, the latest in its series of productivity-enhancing Instant™ functions for the company's WiMedia protocol analyzer.

Beacons are special-purpose frames exchanged by all devices in a WiMedia personal area network (PAN) to both signal their presence and reserve bandwidth. Since it is expected that many consumers will eventually have multiple wireless devices – MP3 players, cameras, printers, scanners, etc. – being able to verify the simultaneous operation of multiple devices is an important step in interoperability testing and quality assurance. Beacon frames contain status information that can be examined to determine how various devices are working together.

The Instant Beacons view creates a table of all devices and their recognition status by other devices in the network. Since Ellisys protocol analyzers operate in real-time, the view is constantly updated to reflect device behaviour. The Instant Beacons function can also play back a previously-recorded trace for further in-depth debugging.

Daniel S. Froelich, Staff Architect/Engineer at Intel and WiMedia Platform Compliance & Interoperability Chairman, says "The Instant Beacons feature is a very valuable tool for debugging WiMedia Platform interop sessions in real-time. We can see live that all is working well. One glance can save hours of work later because there is no need to review gigabytes of traces."

The alternate approach to using the Instant Beacons view is to capture and manually check beacon traffic with post-processing. This is a time-consuming process, especially when using protocol analyzers that do not operate in real-time but rather capture and process a trace file.

Also new in the Ellisys WiMedia protocol analysis software is the Instant Superframe function. In the WiMedia protocol, a superframe is a fixed-duration containing time slots for beacon traffic and data transfers. The unique Instant Superframe view displays all frames sent by devices within their allocated time slot reservations. Reservation policies are analyzed and violations are clearly identified for simplified debugging. As with the Instant Beacons function, the Instant Superframe view works in real-time and can also play back a trace for reviewing traffic evolution.

Instant Beacons and Instant Superframe supplement the Instant Timing, Instant Filter, Instant Search and other Ellisys Instant™ functions included in the company's WiMedia protocol analysis software.

Mario Pasquali, President and co-founder of Ellisys, says "Our mission is to make R&D as easy as possible for early adopters of complex emerging technologies like WiMedia. The purpose of our advanced Instant functions is to save developers time and effort getting robust products to market quickly."

"Multi-vendor interoperability – which also implies multi-device interoperability – is the key to providing the best end-customer experience and ensure a board market adoption of WiMedia", continues Mr. Pasquali. "We are proud to contribute to the technology by providing the industry's de facto test equipment".

Availability
The Instant Beacons and Instant Superframe functions are available now. As per the Ellisys investment-protection policy, these new features are provided free of charge to existing customers. The Ellisys WiMedia analysis software is available at:
www.ellisys.com/products/wusbex300/download.php

Product links
Screen shots of the Instant Beacons and Instant Superframe functions are available at:
www.ellisys.com/products/wusbex300/screenshots.php

About the Wireless USB Explorer 300
The Wireless USB Explorer 300 is the first over-the-air protocol analyzer WiMedia-based protocols like Certified Wireless USB. The modular analyzer's hardware architecture upgrades easily to accommodate new specifications, ensuring early adopters of the new technology can plan and develop WiMedia products with confidence.

About Ellisys
Ellisys is a Test & Measurement company committed to the design and timely introduction of advanced protocol analysis solutions for USB devices, Certified Wireless USB and Ultrawideband. Developers have been using Ellisys' USB products and solutions for more than five years with great success. With the consumer electronics market moving toward wireless technology Ellisys proves once again its commitment to the developers' community. By providing WiMedia and Certified Wireless USB early adopters with the right tools at the right time Ellisys enables these promising markets to grow in a secure and confident manner, and ensures a rapid and wide acceptance of these technologies. For more information, please visit www.ellisys.com.

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