



PRESS RELEASE

## **inSIM technology will ensure reliable cellular connections for machine-to-machine devices in Brazil**

### **Embedded SIM technology facilitates cellular subscriptions for M2M devices and reduces cost and logistics issues**

São Paulo, Brazil and Paris, France – October 23, 2008 – Vivo, Oberthur Technologies and Wavecom today announced that the Brazilian carrier is testing with the goal of validation the SIM equipped inSIM® (Subscriber Identity Module) technology for its machine-to-machine (M2M) subscription offer. The 3 companies combine their strengths in their own domains (mobile operator, wireless connectivity, SIM secured element) to deliver one solution, fully integrated, ready to be deployed.

Vivo, a major Brazilian cellular carrier, is a key player in the country's M2M industry which is particularly dynamic and includes important nation-wide projects. For example, Resolution 245, a Brazilian government law voted in 2007, requires that a tracking and anti-theft device be installed in all new vehicles leaving the factory, produced in Brazil or imported, starting in 2009. The device must include an integrated wireless module, such as a Wavecom Wireless CPU®, that allows the device to send and receive information to and from a monitoring services center.

Vivo realized that these tracking devices and certain other M2M applications, such as smart utility meters or wireless payment terminals, had specific needs related to the security and reliability of the SIM card. Traditional SIM cards are designed for consumer electronics and supplied as plastic cards, and may not fully comply with extreme industrial requirements such as resistance to extreme temperatures, humidity, shock and vibration.

Wavecom, a leading provider of embedded wireless technology for M2M communication, is the first wireless technology supplier to provide a solution which fully integrates the SIM function. The inSIM® technology ensures proper functioning in harsh environments, reducing the risk of disconnected devices.

Oberthur Technologies, the leading supplier of innovative smart card based solutions, is supporting this project by empowering the inSIM® solution with its Opera M2M advanced smart card technology.

With this solution, the two industrial partners bring the best of M2M technology for embedded wireless device and SIM secured element to the benefit of mobile operators and within the existing industry structure.

“Our service offer and devices need to reflect the specific requirements of the M2M industry,” said Hilton Mendes, Director of Vivo. “The ability to combine the SIM function into the inSIM® module greatly enhances the security and reliability of the cellular connection, and also simplifies the logistics chain. We are looking forward to providing the benefits of inSIM® to our subscribers for their vehicle tracking and other M2M subscriptions.”

Xavier Drilhon, Managing Director of the Card Systems Division at Oberthur Technologies, said: “Since we designed the first Java SIM card, we have always delivered the latest breakthroughs to the GSM industry. It was only natural for us to join efforts with industry innovators to create an optimized SIM solution for automotive and industrial use which will benefit both consumers and network operators. The architecture and the personalisation of the InSIM module, performed within Oberthur Technologies' certified service centers, guarantee mobile operators that access to network remains secured and controlled.”

Dr. Ron Black, CEO of Wavecom, added: “inSIM® represents a major technology breakthrough, and we are pleased that Vivo has chosen our embedded SIM solution for its M2M offer. With inSIM®, both



customers and operators will benefit from a simpler and faster cellular subscription, and we are confident that the technology will help to stimulate growth in the Brazilian M2M market.”

In March 2008, the inSIM® embedded SIM concept was awarded the 2008 trophy for innovation by the PSA Peugeot Citroën Group's Automotive Design (ADN) Center.

#### **About Vivo**

*Vivo, controlled by the groups Portugal Telecom and Telefónica, is the mobile telecommunication company that offers the best quality in phone calls, according to Anatel (Agência Nacional de Telecomunicações).*

<http://www.vivo.com.br>

#### **About Oberthur Technologies**

*With sales of 733.4 million Euros in 2007, Oberthur Technologies is a world leader in the field of secure technologies. Innovation and high quality services ensure Oberthur Technologies' strong positioning in its main target markets:*

- **Card Systems:** *One of the world's leading providers of security and identification based on smart card technology and associated services for mobile, payment, transport, digital TV and convergence markets.*
- **Identity:** *International player for the manufacture and personalization of secure identity documents such as passport, identity card, driving license or health care card - traditional and electronic - and associated services for both governmental and corporate markets.*
- **Fiduciary printing:** *World's third largest private security printer specialized in high security for the production of banknotes, checks and other fiduciary documents in more than fifty countries.*
- **Cash protection:** *World leader in the emerging market of intelligent systems to secure cash-in-transit and ATM.*

*Close to its customers, Oberthur Technologies benefits from an industrial and commercial presence across all five continents. The company is listed on the Euronext Stock Exchange (ISIN: FR0000124133) since July 2000.*

*Oberthur Technologies S.A. is a limited liability company (société anonyme) registered in France with its registered office at 102 BD Maiesherbes 75017 Paris, France. Oberthur Technologies S.A.'s corporate registration number is 340 709 534 R.C.S. Paris.*

<http://www.oberthurcs.com>

#### **Wavecom – the wireless M2M experts**

*Wavecom is a leading provider of embedded wireless technology for M2M (machine-to-machine) communication. We provide a range of GSM/GPRS, CDMA, EDGE and 3G Wireless CPUs; programmable processors which also act as wireless modules or wireless modems. These are backed by a C and Lua-based cellular wireless software suite which includes a real-time operating system (RTOS), a software development environment based on Eclipse™, and several Plug-Ins (GPS, TCP/IP, security, Bluetooth™, Lua script and more). We also offer a wide range of professional and operated services. Our solutions are used for automotive telematics, smart metering, fleet management, GSM/GPS/satellite tracking, wireless alarms, wireless POS (point of sales), WLL (fixed voice), remote monitoring and many other M2M applications.*

*Founded in 1993 and headquartered in Issy-les-Moulineaux (France) near Paris, Wavecom has subsidiaries in Hong Kong (PRC), Research Triangle Park, NC (USA), Farnborough (UK), Munich (Germany) and Sao Paulo (Brazil). Wavecom is publicly traded on Euronext Paris (Eurolist) in France and on the NASDAQ (WVCM) exchange in the U.S.*

<http://www.wavecom.com>



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