



FTR&D UK Ltd  
St James Court  
Great Park Road  
Almondsbury Park  
Bradley Stoke  
Bristol BS32 4QJ  
T +448703768888  
F +448703761501

30th November 2005

*To whom it may concern*

**Letter of Support for High Assurance Wireless Communication System (HAWCST) Technology Development**

France Telecom R&D is responsible for overseeing the development of various system technologies, including wireless security, network assurance, and software defined radio (SDR) for the France Telecom Group, in particular for Orange, the France Telecom Cellular Operator present in some 20 countries. France Telecom with its worldwide presence is concerned about the threats posed to our networks and mobile devices by "hackers" attacking the integrity of networks, and the privacy of our subscribers.

SCA Technica, Inc. is a registered Orange Developer and I have been briefed by Dr. David Murotake, founder of SCA Technica, Inc. on the HAWCS™ Smart Radio system. We fully understand the need for such technologies within the US DoD, but at the same time we have clearly identified that there is a significant requirement for such technologies within the commercial wireless business domain.

We are therefore very interested in deploying technologies, such as HAWCS™, which are capable of combating wireless security threats to our existing 2nd and 3rd Generation Cellular Networks and Wireless LAN. Given the rapid development of new Beyond 3rd Generation Wireless (B3G) networks, the proliferation of which will further increase the likelihood of wireless attacks we foresee the need to deploy these technologies within two to three years.

Development of HAWCS™ technology has been ongoing at SCA Technica for over 18 months, funded by several US SBIR programs. The system employs hardware and software components such as Xilinx Virtex 4 (deployed state of the art) or high assurance operating systems and orbs by Green Hills Software (GHS) and Objective Interface Systems (OIS) which expect to deploy commercially by next year (2006).

SCA Technica has been strategically teamed with GHS and OIS for some time, and are licensees of GHS Integrity™ and OIS OrbExpress™, so the team are already well versed in the technology and it is anticipated that they are likely to be able to deploy a commercial version of HAWCS™ Smart Radio technology, suitable for use by the France Telecom Group within two years. I am therefore very keen to follow its development.

Yours faithfully

A handwritten signature in blue ink that reads "Steve Hope".

**Stephen Hope**  
**International Technology and Research Relations Manager**  
**France Telecom R&D UK Ltd**  
**Tel: +447973992864**