# International Information Security Solutions: Successes, Failures, and Solutions

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What are the real issues involved with deploying security solutions in the commercial environment internationally? What are the real drivers the behind implementing successful security solutions? What are the issues that a systems manager has to resolve pre- and post-deployment of a solution? What will be the issues, challenges, and opportunities in the future?

This panel of commercial security experts will provide their insights on these questions. "Why are these panelists considered experts?" They actually implemented security solutions that have expanded international boundaries and have been directly responsible for the results during the post-deployment and fully operational phases. Each represents different commercial sectors, requirements, solutions sets, and levels of success.

George Kamis is the Manager of Secure Systems Engineering at Trusted Computer Solutions Inc. During the past two years with TCS, he has been responsible for the development and fielding of Multilevel Secure Systems for both DoD and Industry. This includes the Ops/Intel Workstation, the Secure Gateway Server, SecureOffice, SecureGate, various MLS web servers, and an MLS prototype for the Singapore Ministry of Home Affairs. Previously, Mr. Kamis worked at the US Naval Research Laboratory for the Center for High Assurance Computer Systems. While at NRL, he was the principal investigator for many INFOSEC related projects including an MLS system fielding at CINCPACFLT and Over the Air Rekeying for Navy COMSEC devices. Mr. Kamis will discuss TCS's experiences with MLS systems development for customers located in Switzerland and Singapore, as well as INFOSEC product export. He will discuss problems with export controls, client coordination problems due to extreme distance, time, and language and cultural barriers. In addition, Mr. Kamis will examine

the differences in security awareness and expectations between non-U.S. and U.S. customers.

Tim Mallalieu represents security in the Caribbean Internet gaming community and works for Carib F/X. Tim is responsible for development of the systems that provide the interface between the Casinos and home gamers over the Internet. His security solution was based on the concept of "security though the totality of solutions", security is the result of balance physical, personnel, procedural, technical, and post-assurance security solutions. These solutions required the use of commercial products from gamers from all over the world and the need for strong encryption – both challenges that he solved using creative sources and market analysis.

Loreto Remorca is the General Manager of TELOS International Asia, where he is responsible for providing innovative and creative uses of information technology throughout the Asia-Pacific region. is the program manager for an international Wall Street pilot project being used in Asia. He represents security in financial community. His 12 years of INFOSEC consulting experience enabled him to use INFOSEC as a "key discriminator" to defeat proposals from three big computer producers. TELOS International Asia and Filinvest Capital established a Joint Venture to develop and implement a secure trading platform for the Republic of the Philippines Bureau of Treasury to buy and sell government securities, such as Treasury Bills and government bonds, over the Internet. As a result of automation, the Philippines financial securities market has been expanded significantly – with hundreds of transactions and several billion pesos being traded on a daily basis. The Philippine financial market infrastructure can now serve International investors, as well as provide them with more timely market information in a secure manner. Loreto will provide insight on the impact that cultural, import, and business influences had on the design of the resulting "secure transaction server".

Issues that will be discussed during this panel will include:

- How security must be viewed as the consolidation of physical and logical (information) security. The lack of this has caused many problems in today's environment.

- The need to remove non-enforceable policies. These are export of encryption violations and the European Privacy Act that takes effect 10/01/98. Both of these have a high-level of impact in the security world.

- Y2K issues using foreign programmers in the US is causing many export law violations without the knowledge of the companies using them.

- How to provide post-deployment systems security assurance

The structure of this panel will provide for interaction between the panelist and the audience through a unique interaction seminar that will promote active discussions and sharing of experiences and expertise between all participants.