Cooperation: An Overview of Authorities and Issues Congressional Research Service 13 DOD funds six Regional Centers for Security Studies , which...Expenses Necessary for Theater Security Cooperation.â€ Another Senate proposal would revamp DODâ€™s five regional centers for security studies (10 U.S.C...184) by eliminating two that are located in Washington, DC (the Africa Center for Strategic Studies and the Near East South Asia Center for Strategic

109. Secure Multi-party Computation Protocol for Defense Applications in Military Operations Using Virtual Cryptography

NASA Astrophysics Data System (ADS)

Pathak, Rohit; Joshi, Satyadhar

With the advent into the 20th century whole world has been facing the common dilemma of Terrorism. The suicide attacks on US twin towers 11 Sept. 2001, Train bombings in Madrid Spain 11 Mar. 2004, London bombings 7 Jul. 2005 and Mumbai attack 26 Nov. 2008 were some of the most disturbing, destructive and evil acts by terrorists in the last decade which has clearly shown their evil intent that they can go to any extent to accomplish their goals. Many terrorist organizations such as al Quaida, Harakat ul-Mujahidin, Hezbollah, Jaish-e-Mohammed, Lashkar-e-Toiba, etc. are carrying out training camps and terrorist operations which are accompanied with latest technology and high tech arsenal. To counter such terrorism our military is in need of advanced defense technology. One of the major issues of concern is secure communication. It has to be made sure that communication between different military forces is secure so that critical information is not leaked to the adversary. Military forces need secure communication to shield their confidential data from terrorist forces. Leakage of concerned data can prove hazardous, thus preservation and security is of prime importance. There may be a need to perform computations that require data from many military forces, but in some cases the associated forces would not want to reveal their data to other forces. In such situations Secure Multi-party Computations find their application. In this paper, we propose a new highly scalable Secure Multi-party Computation (SMC) protocol and algorithm for Defense applications which can be used to perform computation on encrypted data. Every party encrypts their data in accordance with a particular scheme. This encrypted data is distributed among some created virtual parties. These Virtual parties send their data to the TTP through an Anonymizer layer. TTP performs computation on encrypted data and announces the result. As the data sent was encrypted its actual value canâ€™t be known by TTP

110. Overview of Computer Security Certification and Accreditation. Final Report.

ERIC Educational Resources Information Center

Ruthberg, Zella G.; Neugent, William

Primarily intended to familiarize ADP (automatic data processing) policy and information resource managers with the approach to computer security certification and accreditation found in "Guideline to Computer Security Certification and Accreditation," Federal Information Processing Standards Publications (FIPS-PUB) 102, this overviewâ€¦