

Transforming An Organization by Maintaining a Sustainable Security Awareness, Training and Education (SATE) Program

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Abstract

Security awareness, training and education can be a critical success factor in building and maintaining an organization's security defenses. Starting a Security Awareness, Training and Education (SATE) Program can be simple. Managing and maintaining the SATE Program can often be the most challenging aspect of implementing a SATE strategy. The purpose of this session is to provide participants with practical illustrations of how to successfully develop a business case, implement and evaluate a comprehensive SATE Program based on strategy that includes awareness, training, education and outreach to deliver a multi-layered approach to increasing security-consciousness, improving competencies, and enhancing security performance in an organization. There is an art to developing organizational buy-in, increased awareness moves people to care about security and take actions that reflect that commitment. Awareness sets the stage for training by transforming organizational attitudes to realize the importance of security and the adverse consequences of its failure. Training for end-users and practitioners of functional specialties other than IT security and education for IT security professionals should incorporate accountability and performance measurement. An effective program includes initial training and education but, most often, re-training and reeducation is neglected. With emerging technologies, standards, and best practices there is a need to retrain and/or reeducate employees to address a groups' or individual's skills obsolescence in the current position and development to prepare the groups or individuals to address evolving security threats and vulnerabilities.