

Information Assurance Measures and Metrics - State of Practice and Proposed Taxonomy

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Outline

- Introduction
- Report on the workshop
- A proposed taxonomy of IA metrics
 - Metrics for Organizational Security
 - Metrics for Technical Target of Assessment (TTOA)
- Conclusion

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Introduction



- IT Security is important in most enterprises
- Available technologies are complex, costly and can be inconvenient to the end user
- It's often difficult to evaluate againsts IT security requirement.
- need for a comprehensible and simple IA measurement technique

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Problems



- Many kinds of metrics
 - Product evaluation
 - criteria identification
 - Information Assurance (IA) strength quantification
 - Risk assessment/analysis methodology development
 - Others
- Various proposes
 - Rating security goodness
 - Purchasing a given countermeasure
 - Operating or retiring a given system
- Inconsistent terminology has complicated the development of IT metrics

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