

IEC TC57 WG15 - Security Status & Roadmap, TC57 Plenary, May 2007

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Convenor WG15

*Presented at Plenary by Herb Falk
US Representative to WG15*

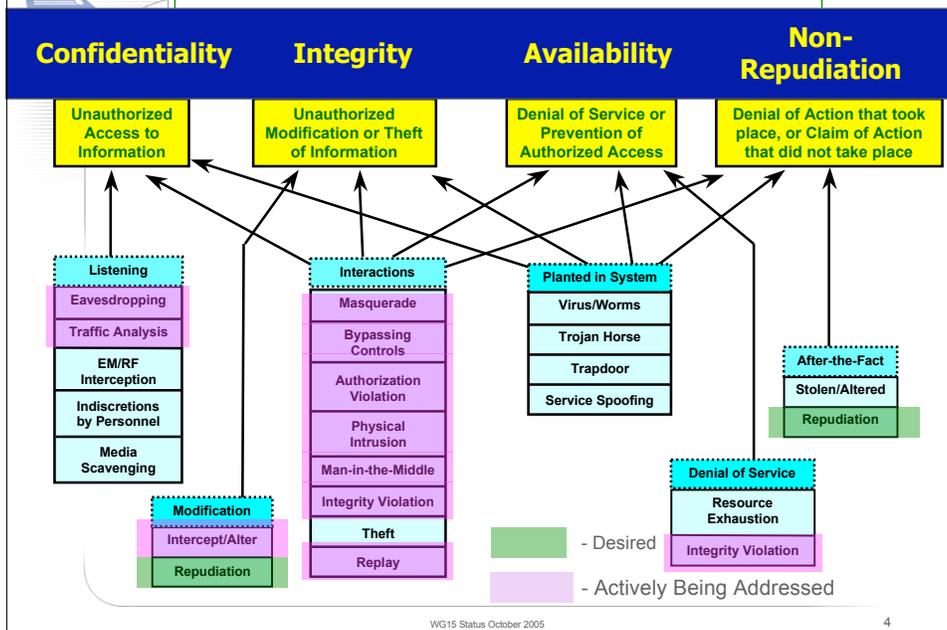
Scope of WG15 on Security

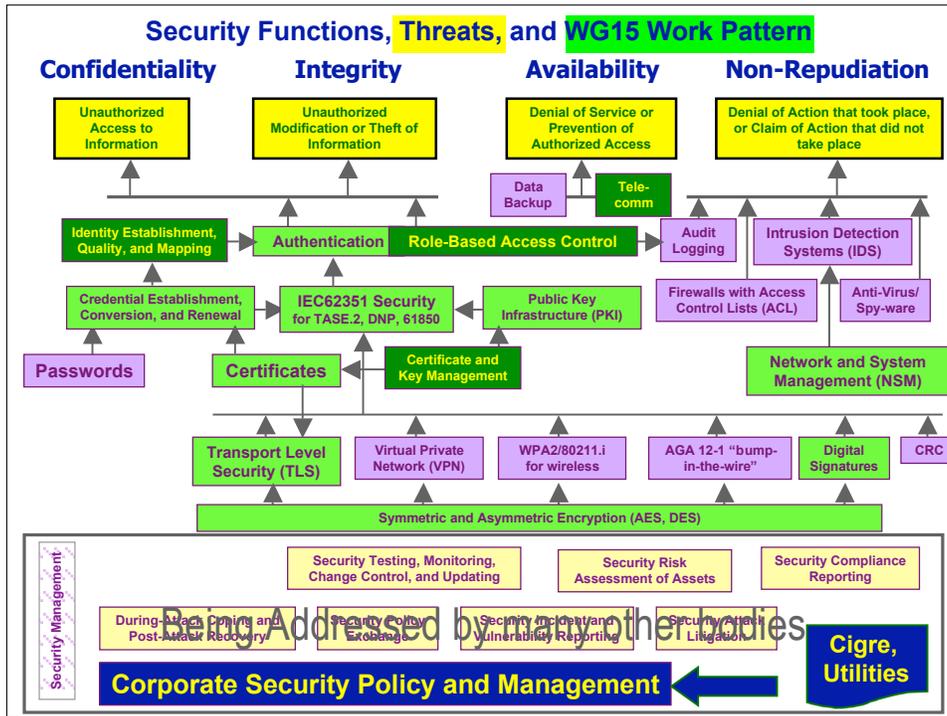
- ▶ *Undertake the development of standards for security of the communication protocols defined by the IEC TC 57, specifically the IEC 60870-5 series, the IEC 60870-6 series, the IEC 61850 series, the IEC 61970 series, and the IEC 61968 series.*
- ▶ *Undertake the development of standards and/or technical reports on end-to-end security issues.*
- ▶ Other notes of Interest:
 - ▶ WG15 started as Adhoc Working 06 in 1997 (this is the WG's 10 year anniversary).
 - ▶ 13 Participating Countries, 32 individuals

Status of Security Documents, May 2007

- ▶ IEC 62351: Data and Communications Security
 - ▶ Part 1: Introduction
 - ▶ Part 2: Glossary
 - ▶ Part 3: Security for profiles including TCP/IP
 - ▶ Part 4: Security for profiles including MMS
 - ▶ Part 5: Security for IEC 60870-5 and derivatives
 - ▶ Part 6: Security for IEC 61850 profiles Withdrawn
 - ▶ Part 7: Objects for Network Management ↓
 - ▶ Part 8: Security process for power industry operations
- ← Working draft, under review and discussion
- ← Submitted as DTS ver 2 January 2007. Comments being awaited
- ← Submitted as Technical Specifications in Dec 2006, being finalized by IEC

Security Functions vs. Threats





TC57 Security (62351) Roadmap WG19

As of May 2007

	Current Work	NWIPs to be Issued	On-Going Coordination
Release	<ul style="list-style-type: none"> Parts 1, 3, 4, 6 – Finalized as TS Standards Part 2: Glossary – CDV 	<ul style="list-style-type: none"> Remote Changing of Update Keys for IEC 60870-5 Implementation Specification for IEC 60870-5 	<ul style="list-style-type: none"> IEC TC65C WG10 ISA, CIGRE D2.22 EPRI,NERC, PCSF
Features	<ul style="list-style-type: none"> Part 5: Security for IEC 60870-5 Protocols – CDV Part 7: Network and System Management /MIBs as CD 	<ul style="list-style-type: none"> Conformance testing and interoperability testing Security for Access to CIM (Interfaces and RBAC) Role-Based Access Control Security Guidelines for Telecommunications Security 	<ul style="list-style-type: none"> National Labs IEEE PSRC IEEE Security P1711, P1686, P1689 TC57 WG03 TC57 WG07?
Time Frame	<i>Activities in 2007</i>	<i>To be issued 2007</i>	<i>Current and Future</i>

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