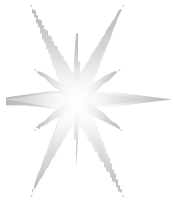


Incident Object Description and Exchange Format

TF-CSIRT Seminar

January 18, 2001

Barcelona



Agenda

- TF-CSIRT Incident Taxonomy and Description WG work process
- IODEF presentation at IETF49 IDWG meeting
 - ◆ IODEF and IDEF relations document – to be presented to IDWG
- IODEF related Terminology by Jimmy Arvidsson
 - ◆ In context of revision of the IODEF Requirements I-Draft
- IODEF XML DTD vs IODEF XML Schema
 - ◆ Discussion and call for contribution
- ITDWG charter update by Jan Meijer



ITDWG work process

ITDWG webpage and charter

- <http://www.terena.nl/task-forces/tf-csirt/i-taxonomy/>

IODEF Documents

- IODEF Requirements draft-...-00.txt
- IODEF Data Model - TBD
- IODEF XML DTD or IODEF XML Schema - TBD

IODEF Editorial Group

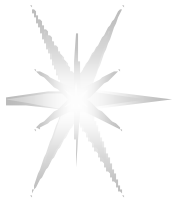
Jimmy Arvidsson, Telia CERT

Andrew Cormack, CERT UKERNA

Yuri Demchenko, TERENA

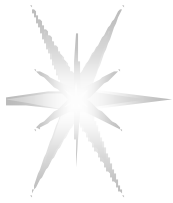
Jan Meijer, CERT-NL

Contribution is welcome!



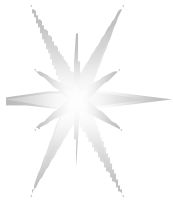
IODEF/ITDWG and IDEF/IDWG Relations

- IODEF presentation at IETF49 IDWG meeting
- IODEF and IDEF relations document – to be presented to IDWG
 - ◆ IDEF to IODEF mapping (to be drafted)
- Look at Vulnerability Reports
 - ◆ Contact Symantec (and CERT/CC?)



IDWG Scope and IDEF Documents

- IDEF is for Intrusion Detection Systems
 - ◆ Main actors - IDS
 - ◆ Root element – Alert
 - Short life history
 - ◆ Data collected automatically
- Currently on the IETF IDWG std process
 - ◆ IDEF Requirements draft-...-04.txt
 - ◆ IDEF Data Model
 - ◆ IDEF XML DTD
 - ◆ IDEF ANS.1 MIBII format
 - ◆ Intrusion Alert Protocol (IAP)
- Design Team and Pilot implementations of XML and MIBII based IDEF

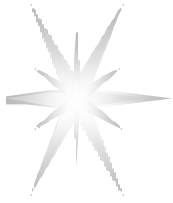


IODEF purposes

A uniform incident classification enables applications such as:

- uniform statistic generation and exchange, for both domestic use and exchange of data between teams. Over time a distributed incident statistics infrastructure can evolve
- trend-analyses for reoccurrence of incidents, victims, attackers, etc.
- trend-analyses for relations between scans and attacks and thus begin working on pro-active incident response
- uniform internal incident storage
- incident handling between teams made easier (only one team needs to classify and analyze the complete incident, the other team can re-use this data)
- uniform incident reporting by victims to CSIRTs

Main IODEF actors are CSIRTs – not IDS



IODEF XML DTD vs IODEF XML Schema

- Discussion and call for contribution
 - ◆ Need expertise in XML DTD/Schema