

MIT Communications Futures Program

**Security and Privacy Working
Group: Report, April, 2010**

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Co-Chairs

Status

- Leadership
 - Dirk Trossen (moved to U. Cambridge) has been invaluable and will continue to participate actively
 - Jim Fenton (Cisco) new co-chair
- Active participation: BT, Cisco, Comcast, NSN, Telecom Italia, U. Cambridge (Dirk Trossen)
- Bi-weekly webex meetings, recordings, notes, wiki activity
- Social TV paper (see below)
- Moving forward (see below)

Social TV paper

- Nearing an end, but not quite yet
 - Hopefully within a month
- Interesting conclusions:
 - Even the simplest composite is not simple
 - Requirement for clear distinction between information (generally PII) and meta-data
 - Requirement for some kind of ontology (both meaning of information and how one can reason over it)
 - Challenge of managing the information flow across application domain composition
 - Privacy issues in identity management services (see more below)

Looking forward: Identity Management Services

- Why do we need them? What might they do for us?
 - Many member companies have expressed interest, enthusiasm, dismay
- Reality: there are a number of them
 - Serving different needs
 - Not invented here
 - What does it mean to federate them
 - Primary privacy and security issues
 - Secondary (more subtle, second order) privacy and security issues

Defining what to do

- Survey existing entries: Hannes Tschofenig well along this path
- A challenging set of examples derived from member companies (list started on wiki)
- Taxonomy and translations among different existing technologies
- Propose a framework in which to analyze and compare them: Jim Fenton has proposal on the table
- Identify a set of key privacy issues in the context of the framework