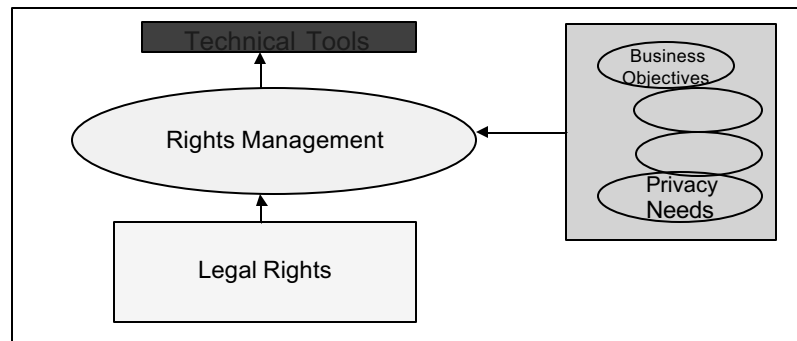


The Framework

- This framework will focus primarily on the technical part of DRM and how it can help to eliminate the confusion in the eGovernment community



The Technology

- Privacy
- Policy
- Security
- Trust
- Risk Management
- Information Representation Semantics



Privacy-persistent

- Uniform Resource Name (URN)
 - Descriptive and location information is recorded in the registry by the creator of publisher
- Digital Object Identifier (DOI) system
 - DOI is not just limited to representing an entire work



Digital Policy Management

- Systematic approach to integrate DRM policy into the system development process.
- View-based access control (VBAC). Based on access matrix model with roles as subjects and views as matrix entries.
- The system is oriented to the E-Commerce of multimedia content.
- Use the XML-based contract and signature because of interoperability.

G. Brose, A view-based access control model for CORBA, in:
Secure Internet Programming: Security Issues for Mobile and Distributed Objects



Security

- Unauthorized distribution is the primary concern of many rights holders
- Single Sign On: authenticate once, and do not have to provide a login ID and password again
- The problem exist when the users email the content to another person
- DRM must then rely on rights information and restrictions contained in the content itself,



Trust Management

- Need to establish trust and confidence within and between other parties
- Shibboleth is an architecture designed to support the sharing of digital content between organizations by providing cross-disciplinary attribute
- Shibboleth exchange shares information about the relevant attributes, roles and group attributes that the person has



Risk Management

- Check lists.
- Brainstorming risks.
- Risk Analysis before implementation
- Will help identify, assess and control risks relevant to the distribution of digital content.
- Will strengthen the sense of confidence and safety of eGovernment services available to citizens.



Information Representation Semantics

- Need for common language
- OASIS Extensible Access Control Markup Language (XACML)
- Eliminate the use of multiple proprietary or application-specific access control policy
- Authorization policies in XML



Conclusion and future works

- It is important to understand where the requirements on rights management come from and how they affect on rights management.
- The main focus of the further work should be on rights management and especially on technical tools to support it.