

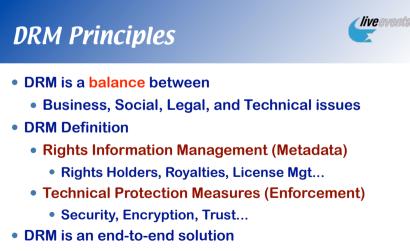
UNLOCKING IP

18-19 November 2004

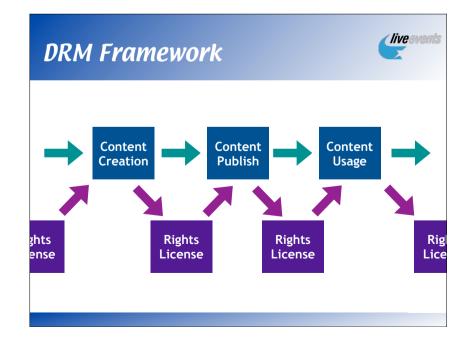
# Overview Principles of DRM Architecture, Framework, Information Model Flexibility: Social, Legal Standards Mobile DRM Flexibility: Technical Interoperability DRM Threats

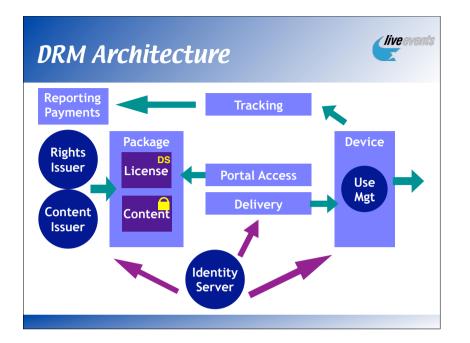
(live

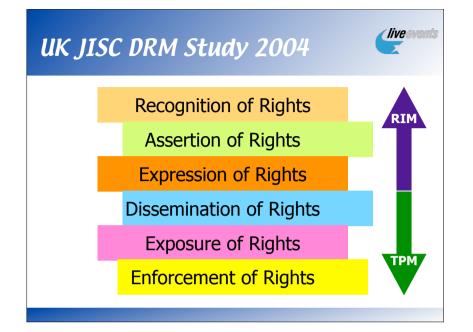
• Summary

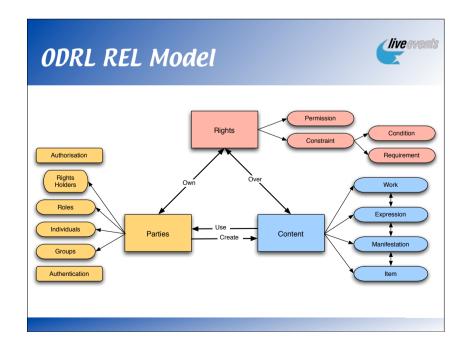


• Needs to work with the content creation, management, distribution, and usage value chains











## Social DRM

"The main purpose of DRM is not to prevent copyright infringement but to change consumer expectations about what they are entitled to do with digital content"

(live

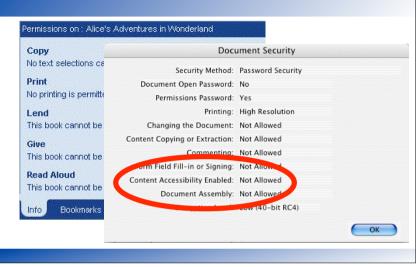
(live

- Pamela Samuelson
- Uni of California at Berkeley, 2003

## Legal DRM

- Fair Use/Dealing Factors
  - the purpose and character of the use
  - the nature of the copyrighted work
  - the amount and substantiality of the portion used
  - the effect of the use upon the potential market
- Technical dangers
  - very difficult to "code"
- Legal dangers
  - you get it wrong!
- Trusted third-party to make decision?

## Social DRM



*(live)* 



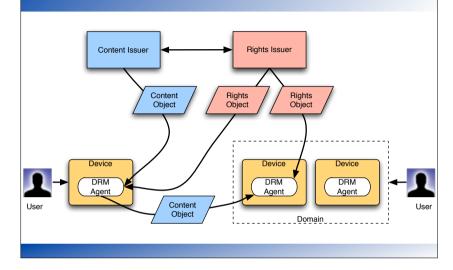
## Mobile DRM - OMA



- Open Mobile Alliance (OMA)
  - Lack of DRM has inhibited content owners
- OMA DRM Version 1 Low grade media
  - Rapid entry into the market
- OMA RDRM Version 2 Premium content
  - Complete trust model, secure content+rights
  - Advanced business models for latest devices
- Why Mobile
  - new handsets (trusted DRM agents)
  - mobile identity & billing services

0	Moxxie – OMA DRM Rights				
ghts Offer Name:					
Isage Options					
Usage	Count	Time Period	Date Range		
Play 🛟	Unlimited 🛟	Unlimited 🗧	🗌 From 1 🛟 Jan 🛟 2004 🕻		
	🗌 Timed  1 🛟	Accumulated Time	To 1 🕻 Jan 🗘 2004		
Repeat		Unlimited			
ransfer Options					
Usage	Count	System	Date Range		
Export 🛟	1	Apple Fairplay 🛟	🗌 From 🚺 🛟 Jan 🛟 2004 🗧		
		Real Helix	To 1 🗘 Jan 🛟 2004		
		•			

## OMA DRM 2 Architecture



< live events

# Creative commons Licenses are aimed at sharing open content Mix and match from the following (booleans): Permissions (rights granted by the license) Reproduction, Distribution, Derivative Works Prohibitions (things prohibited by the license) Commercial Use Requirements (restrictions imposed by the license) Notice, Attribution, ShareAlike, Source Code ODRL/CC joint Working Group Express CC semantics in richer ODRL language

AEShareNet-U	AFShareNet-P	AEShareNet-S	AEShareNet-C	AEShareNet-E	AEShareNet-FfE
Development of Derivati					
Contextualisations / Edited	ed Versions	rements and Convright In	formation to be retained		
Vetting not required. Tr The frash layer of copyright (if any) arising from Contextualisation is Consolidated With original owner/formation Original Copyright Information (including AEShareNet-U Licence Mark) must be retained, Disclaimer. Lice	Contextualisation permitted for raining Packages only, as sipulated in the Package. Veting not required. The fresh layer of copyright (if my) arising from Contextualisation is Consolidated th original owner. Jorden Mark) must be retained, aubject to appropriate Jacence Mark) must be retained, aubject to appropriate	Contextualisation permitted. Vetting not required. The fresh layer of copyright (if any) arising from Contextualisation) is Consolidated with original owner. Original Copyright Information (including AEShareNerS Licence Mark) must be retained, subject to appropriate Disclaimer.	Contextualisation permitted. Voting not required. The fresh layer of copyright (if any) arising from Contextualisation) is Consolidated with original owner. Original Copyright Information (including AES/areVerC2 Licence Mark) must be retained, subject to appropriate Disclaimer.	Edited Versions only in accordance with Item Entry for selected Lcence - see under "Lcence Fee, Deliverables and Pricing' below: Vetting not required. There is no fresh layer of copyright so covership issues do not arise. Original Copyright Information (including AEShareNerE: Lcence Mark ynusk be retained, subject to appropriate Disclaimer.	Edited Versions permitted for Educational Purposes only. Vetting not required. There is no fresh layer of copyright so ownership issues d not arise. Original Copyright Information (including AEShareNet-FFE Licence Mark) must be retained subject to appropriate Disclaimer. Edited Version must not misleac or deceive.



## DRM Interoperability

- "A prerequisite to ensure Community-wide accessibility to DRM systems and services by rightsholders as well as users and, in particular, consumers, is that DRM systems and services are interoperable" EU Copyright Report 16/4/2004
- DRM Systems should be compatible
  - Commercial Systems No
  - Windows, Apple, Real...
  - Standards No
- Why Not?



(live

# **DRM** Threats

- The DRM "Patent War"...
  - "The solution...is patenting as much as we can...A future start-up with no patents of its own will be forced to pay whatever price the giants choose to impose."

*live* 

- William H. Gates (Internal Microsoft Memo, 1991)
- "The big issue is what people call patent terrorism"
  - Jack Russo, intellectual property attorney, Palo Alto, CA
- RIAA "Song Download" fee per student per university

### **Summary**



- RELs still need to evolve to capture more of the "transaction space" with
  - Identity, Commerce, Content systems
  - Copyright laws
    - exceptions and statutory licensing
- Mobile is leading the DRM deployment
  - OMA "open standards"
  - But not limited to mobile sector Internet protocols
- Technical Interoperability will become a big issue
  - Will flexibility be achievable?

## **ODRL** License

<odrl>
<offer>
<asset>
<context><uid>THESE SLIDES</uid></context>
</asset>
<permission>
<display/>
<print/>
</permission>
<party>
<context><uid>RENATO</uid></context>
<rightsholder/>
</party>
</offer>
</odrl>

< live events