



Introduction and relevance for SEVECOM







- Motivation and "definition"
- Technology
- Products and standards
- Applications
- Conclusions





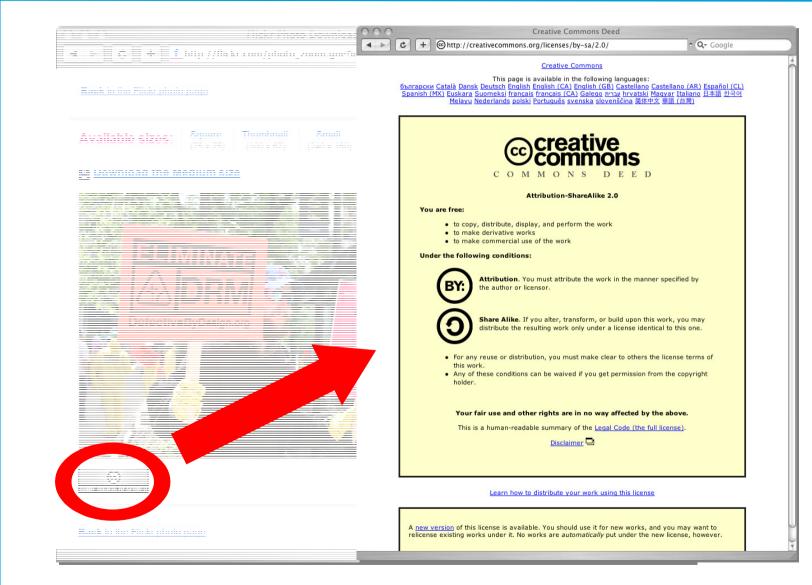






DRM in the "News"











technical

- standards
- architecture
- integration
- interoperability
- scalability / extensibility
- portability
- migration

legal

- copyright law
- patent law
- competition regul.
- data privacy law
- "BGB" / trade law
- liability
- trademark law
- "Grundgesetz"
- intern. regulations

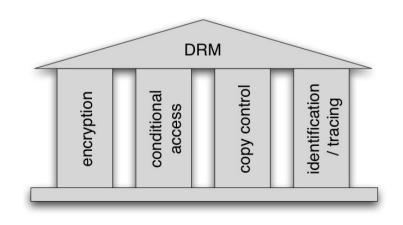
economical

- costs
- investment
- time
- benefits
- risks
- business proces.
- business models
- market / competition

"Definition"



- Commonly understood as methods for controlling (enforcing) and administering rights to digital intellectual property.
- Concerns contracts (licenses) in general and any security policy for accessing information (general access control)
- DRM is more than just copy protection





Purpose and properties

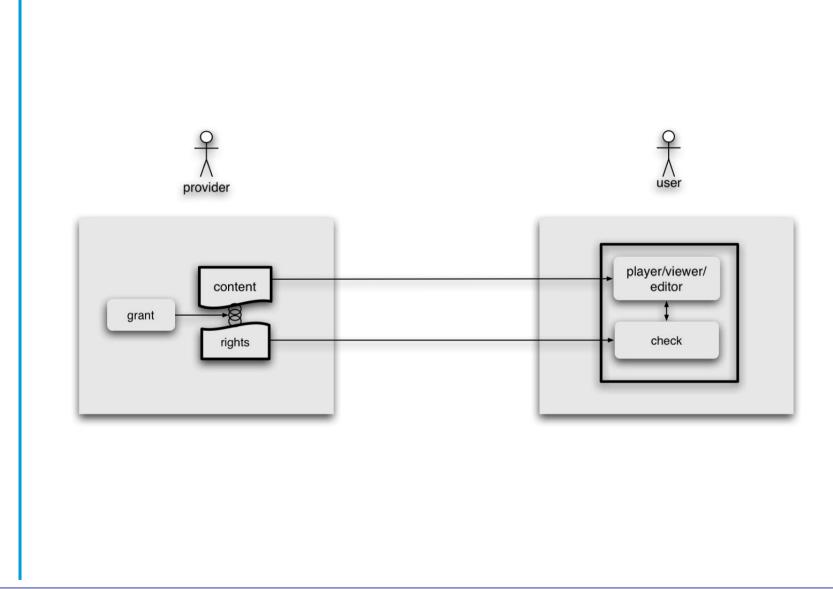


- Identification / Authentication
- Integrity and Authenticity of the content
- Protection and Authorization => Access Control, Usage Control
- Persistence
- Description (Meta-Data)
- Digital Evidence
- Span the whole value chain





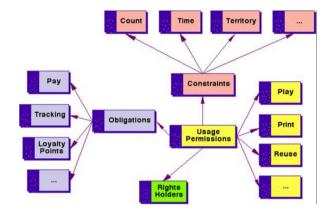








- Digital Policy Management
 - Identification
 - Rights Expression Languages
 - Rights Administration

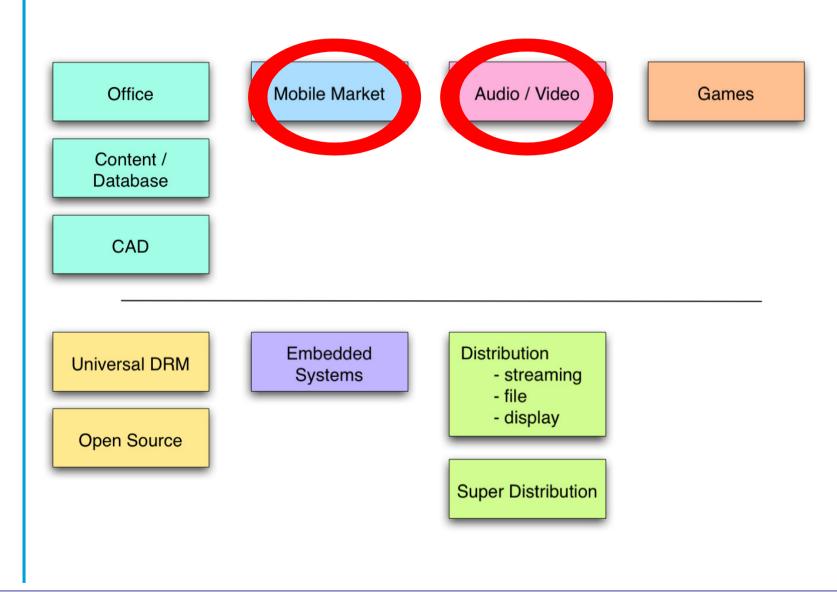


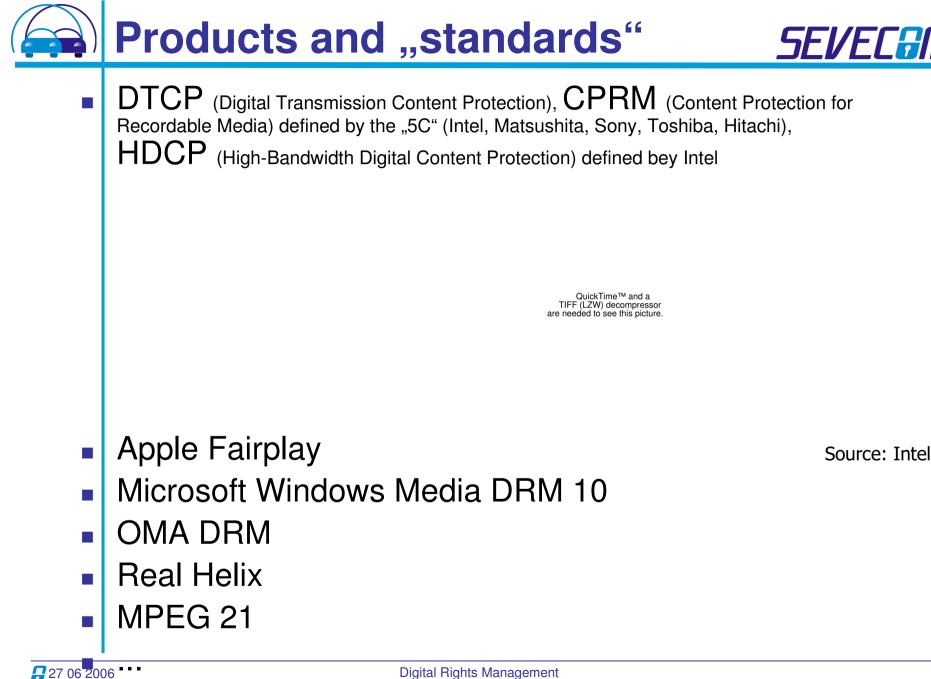
- Digital Policy Enforcement
 - Preventive Measures
 - Conditional Access, Copy Protection Mechanisms
 - Usage Control
 - Deterring Measures
 - digital watermarking, fingerprinting, etc.







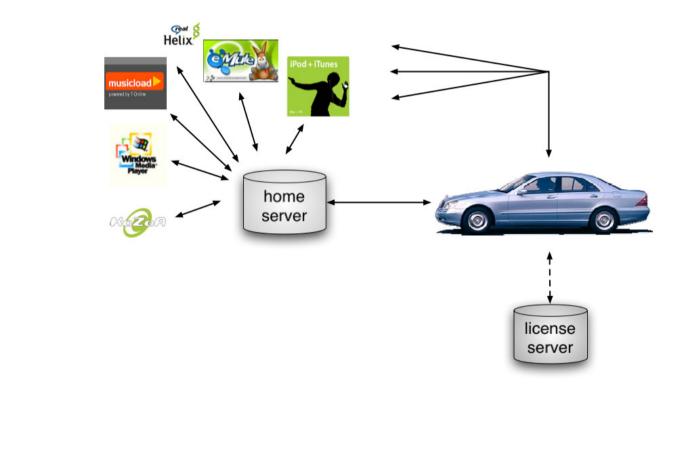








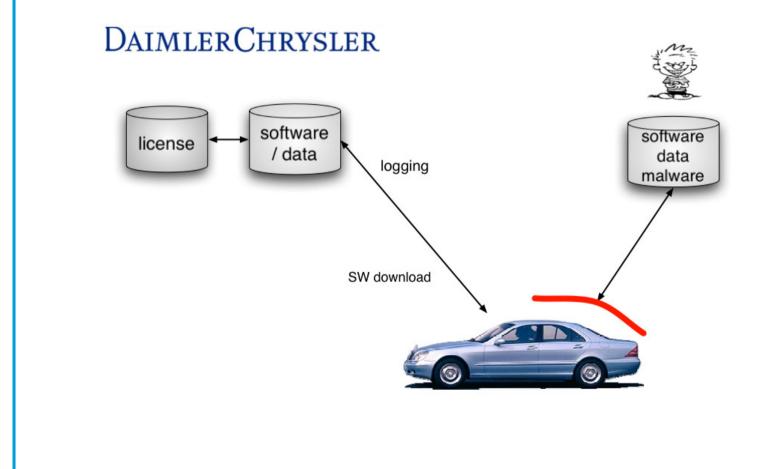
Digital Media

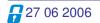






Software/data download/activation









- Lots of isolated applications
- No interoperability
- No common standards
- Legal background different in D, F, ..., EU,
 U.S.A., RoW
- Missing customer/consumer acceptance
- Multiple disciplines involved (economical, legal, technical aspects)





- DRM offers a possibility to securely transmit data to a vehicle and to control the usage of this data
- Digital Media is not in the scope of SEVECOM
- Software/data download/activation is an important application in SEVECOM
- Concepts based on DRM should be investigated

