AXMEDIS technologies reduce the costs of digital content production, protection and distribution. AXMEDIS supports interoperable DRM considering multiple DRM models, open standard DRM MPEG-21 and OMA and integrated and expandable back office management.

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**Protection Processor**

- Register and certify AXMEDIS tools such as editors, players, engines, etc., with the AXMEDIS Certifier and Supervisor.
- Detects attacks and defends security
- Protects elements of AXMEDIS objects
- Protection Tools can be customised and delivered as AXMEDIS Plug-ins

**License and Protection Information**

- Needed to exploit rights acquired
- Authorization provides information to exploit the specific rights of object segment and/or digital resources
- Information and Protection Information located in remote Servers or cached

**License**

- Formalised in MPEG-21 REL, support for Rights Data Dictionary and OMA
- A digital version of the contract
- A list of acquired rights
- Can be stored in digital objects
- May refer to other licenses creating chains
- May be revoked
- OMA MPEG-21 conversions

To allow accessing at the digital content functionalities in a controlled manner

- Who is **Authenticated** and **certified**
- To do what is defined in a **license**
- Using technologies to **protect content**
- **Verifying/Control/Supervise** activities

**Automatic Production of licenses**

License models

- Add, update, include and define: rights, terms, territory,
- Reference to paper contracts - open negotiation possible

**Nesting levels of Objects**

** AXMEDIS Object **

** Metadata **

Protected Digital Content

** References to external Objects **

** Metadata **

Information and Protection Information located in remote Servers or cached
AXMEDIS Control and Supervision

- Performed by the Certifier and Supervisor and the Protection Manager
- Continuously verifying and certifying tools, device, terminals and users
- Collecting Action Logs (event reports) related to rights exploitation
- Black lists for Users, Tools, Devices/Terminals, Licenses

AXMEDIS DRM support

- Track users’ action allowing on-line and off-line operations
- Certifier and Supervisor checking on-line user actions, tool certification and verification
- Licenses processing
- License verification

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