

# OPEN DIGITAL RIGHTS LANGUAGE



*A Rights Expression Language for Digital Asset Management and E-Commerce*

## ODRL INITIATIVE

The Open Digital Rights Language (ODRL) Initiative is an international effort of Supporters aimed at developing an open standard for the Digital Rights Management sector and promoting the language at standards bodies.

The ODRL specification supports an extensible language and vocabulary (data dictionary) for the expression of terms and conditions over any content including permissions, constraints, requirements, conditions, and offers and agreements with rights holders.

ODRL is intended to provide flexible and interoperable mechanisms to support transparent and innovative use of digital resources in publishing, distributing and consuming of digital media across all sectors including Publishers, Education, Entertainment, Mobile, and Software, ODRL also supports protected digital content and honours the rights, conditions and fees specified for digital contents.

## OPEN AND FREE STANDARDS

The ODRL Initiative believes strongly in the benefits of free and open standards to the wider community. As a result, all ODRL specifications are available without any obligations and have no licensing requirements. This is in the spirit of the "open source" community.

## STANDARDS ADOPTION

ODRL has been officially accepted by the Open Mobile Alliance (OMA) as the standards rights expression language for all mobile content.



OMA found that ODRL meets its requirements of a light-weight and simple language for expressing rights, easy to implement, optimised expression for delivery over constrained bearers and suitability for specifying rights independently of the content type and transport mechanism

The OMA ODRL profile is accessible from:

<<http://www.openmobilealliance.org>>

## LATEST VERSION

The latest version of the ODRL specification (Version 1.1) has been co-published by W3C as a W3C NOTE - a submission from IPR Systems on behalf of the ODRL Initiative.

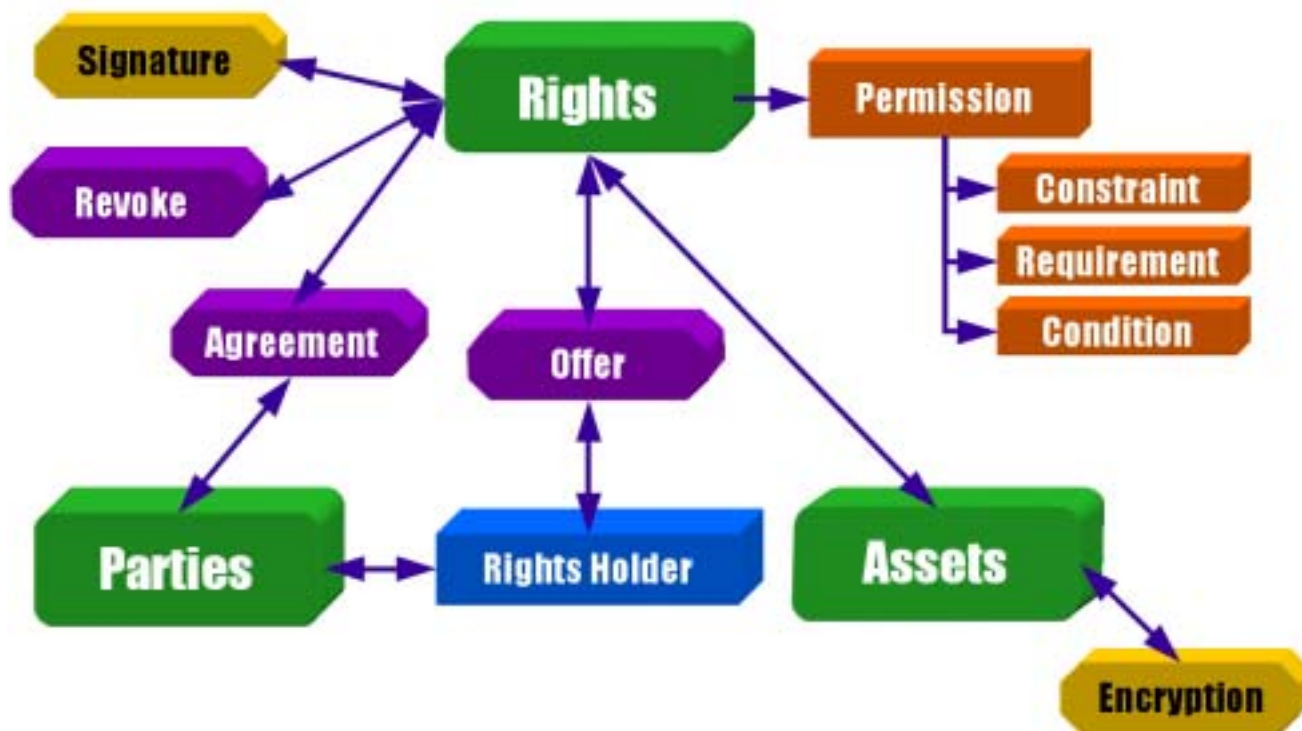
This version is accessible from:

<<http://www.w3.org/TR/odrl/>>



## *ODRL Initiative Supporters*





### ODRL INFORMATION MODEL

The ODRL model is based on prior research and analysis of sector-specific requirements and, as such, aims to be compatible with a broad community base. ODRL meets the common requirements for many sectors and has been influenced by the ongoing work and specifications and models of over a dozen DRM activities.

The ODRL rights information (above) consists of the following core entities:

- Assets – content at any appropriate level of granularity (ie parts and subparts) that can be uniquely identified. The asset may include Encryption information for secure delivery.
- Rights – the rights information consisting of the following:
  - Permissions – actual usages allowed over the Assets
  - Constraints – limits to these Permissions
  - Requirements – obligations needed to exercise the Permission
  - Conditions – exceptions to control Permissions
- Parties – include end users, roles and Rights Holders who can assert some form of ownership over the Asset and/or its Permissions

- Offers – proposals from Rights Holders for specific Rights over their Assets (usually to end users)
- Agreements – when Parties enter into contracts or deals with specific Offers

### XML TECHNOLOGY

ODRL utilises two XML schemas. One schema defines the Expression Language elements and constructs; the other defines the Data Dictionary elements.

ODRL is extensible in that additional semantics (a new data dictionary XML schema) can be simply added to extend the existing ODRL semantics or add new semantics.

### MORE INFORMATION

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