Learning Object Review Instruments (LORI 1.5)

The mainline Learning Object (LO) evaluation methodologies use review instruments such as evaluation rubrics, of which the most cited is t he Learning Object Review Instrument (LORI) developed by Vargo, Nesbit, Belfer, and Archambault (2003) and improved by Nesbit and Li (2004). LORI 1.5 uses nine items with brief descriptive rubrics associated with each item. The items and what they measure may be outlined as:

(1) *Content Quality*: The LO content is free of error and presented without bias. Claims are supported by logical arguments, and present at ions highlight significant ideas.

(2) *Learning Goal Alignment*: Appropriate learning goals are stated. The learning activities, content, and assessments provided by the LO align with the declared goals.

(3) *Feedback and Adaptation*: The LO provides feedback driven by differing learner inputs or learner modeling.

(4) *Motivation*: The LO content is relevant to the personal goals and interests of the intended learners.

(5) *Presentation Design*: The style of information design in the LO enables users to learn efficiently. The presentations of the LO minimize visual search; text and graphics are clear, concise and free of errors. Screen components do not interfere with learning goals.

(6) *Interaction Usability*: The user interface design implicitly informs learners about how to interact with the LO. Navigation through the LO is simple. The behavior of the user interface is consistent and predictable.

(7) *Accessibility:* The design of controls and presentation formats in the LO may accommodate learners with sensory and motor disabilities. The LO can be accessed through different electronic means including assistive and highly portable devices.

(8) *Reusability*: The LO is a stand-alone resource that can be readily transferred to different courses, learning designs, and contexts.

(9) *Standards Compliance*: The LO conforms to relevant international standards and specifications. Sufficient metadata is provided in tagged codes and made available to users.