

Information Models - Input Request

1. At the plenary meeting in Kunming in May 2010 WG2 initiated a study period on 'Information Models' with a view to the development of a new part for ISO/IEC 19763 (Metamodel Framework for Interoperability) to allow for the registration of such models.
2. Input from the members of WG2 is now requested to help to determine which categories of 'Information Models' should be included.
3. My initial thoughts for the scope are that the part should cover the following models:
 - a. Entity-Relationship models using the following notations:
 - (i) Chen.
 - (ii) Ellis-Barker (as used in Oracle CASE and SSADM).
 - (iii) Information Engineering.
 - (iv) IDEF1X.
 - b. UML Class Diagrams.
4. I would welcome advice as to whether the scope should also include:
 - a. Any other Entity-Relationship notations not covered in 3a above.
 - b. Object Role Models.
 - c. Database schemas, and, if so, which schemas.
5. I think it is possible to construct a single metamodel to handle all the relevant concepts from the Entity Relationship notations at 3a above and from UML Class Diagrams. If Object Role Models are to be included the concepts are sufficiently different that they will almost certainly require a separate metamodel. Similarly each database schema type may need a separate metamodel. A single part for 'Information Models' might, therefore, require a number of separate clauses, one for each type of information model.

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