

Subdivisions of two new parts of ISO/IEC 19763

Information technology – Metamodel framework for interoperability (MFI)

Part10: Core model and basic mapping

Part 11: Structured model registering

Rationale:

The multi-part International Standard ISO/IEC 19763 is intended to promote interoperability among various application systems. Part 1: Reference model and Part 3: Metamodel for ontology registration were already published in 2007. Part 3 Edition 2 passed its FDIS ballot this May, and several other parts are underway. The importance of ISO/IEC 19763 has been increasing as enormous numbers of Web application emerge.

Therefore, new parts need to be subdivided to provide common facilities to all the other parts of ISO/IEC 19763.

Part 10 provides a common base to all the other parts of ISO/IEC 19763 as an International Standard. The metamodel specified by this part consists of the metamodel for registering models and the metamodel for basic mappings among them, and are inherited by all the other parts of ISO/IEC 19763.

Part 11 provides the way of model registration for encapsulation approach. The metamodel of this part specifies the metamodel for registering complex metamodels and models including relationship among them. The standardization of business concepts and business models (or metamodels) to be registered for specific business domains is outside of the scope of this part of ISO/IEC 19763. Part 11 will provide the more advanced way of registering more complex and integrated artifacts including model transformation rules based on UML and XML technology. It will become a Technical Report because it is premature to be standardized at this time.