Mapping Requirements to MDR and MFI standards

Source: Ray Gates   Date: 2009-11-12   Version 1

Requirements	ISO/IEC 11179 (MDR), 20943, 20944	ISO/IEC 19763 (MFI)	Notes
Facilities			
• Common datatypes	11179-3 Basic package		
• Identification	11179-3 Identification		
• Naming	11179-3 Designation	19763-2 Sign	
• Definition	11179-3 Definition		
• Classification	11179-3 Classification		
• Registration	11179-3 Registration Package and 11179-6 Registration Process	Proposed 19763-6 Registration Procedure	Harmonization of MFI Registration and MDR Registration required
• Services to Add, Change, Delete	20944		Also SQL-MM-8
• Services Interface	20944		Also SQL-MM-8
• Lifecycle Management	11179-3 Version (incomplete)		
• Extension Mechanisms	11179-3 Slot (incomplete)		
Content Types			
• Data Elements	11179-3 Data Elements		
• Data Grouping	Missing (might use data element derivation)		
• Data Models			
• Object Models		19763-2 Core Model	
• Concept Systems – MFI 3 and MDR Concept Systems	11179-3 Concept System	19763-3 Ontology Registration	(20943-6 to describe harmonization)
• Ontologies	11179-3 Concept System	19763-3 Ontology Registration	
• Process	N/a	19763-5 Process Registration	
• Services	N/a	19763-7 Service Registration	
• Roles	N/a	19763-8 Role and Goal Registration	
• Goals	N/a	19763-8 Role and Goal Registration	

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Mapping and Transformation (Semantic Interoperability)			
• Data Mapping	20943-5 SMMP		
• Data Transformation	20943-5 SMMP?		
• Model Mapping		19763-4 Model mapping	
• Model Transformation		19763-4 Model mapping	
• Concept System Mapping		19763-4 Model mapping?	
• Concept System Transformation		19763-4 Model mapping?	
• Ontology Mapping		19763-4 Model mapping?	
• Ontology Transformation		19763-4 Model mapping?	