

## Mapping Requirements to MDR and MFI standards

Source: WG2 Date: 2009-11-13 Version 2

Requirements	ISO/IEC 11179 (MDR), 20943, 20944	ISO/IEC 19763 (MFI)	Notes
<b>General</b>			
<ul style="list-style-type: none"> <li>Framework</li> </ul>	11179-1	19763-1	Frameworks need to be updated to reflect additions to other parts
<b>Facilities</b>			
<ul style="list-style-type: none"> <li>Common datatypes</li> </ul>	11179-3 Basic package		
<ul style="list-style-type: none"> <li>Identification</li> </ul>	11179-3 Identification		Consider expanding available identification schemes.
<ul style="list-style-type: none"> <li>Naming</li> </ul>	11179-3 Designation 11179-5 Naming	19763-2 Sign	11179-3 Ed 3 has one package that covers Identification, Designation and Definition
<ul style="list-style-type: none"> <li>Definition</li> </ul>	11179-3 Definition 11179-4 Data Definition		
<ul style="list-style-type: none"> <li>Classification</li> </ul>	11179-3 Classification 11179-2 Classification		
<ul style="list-style-type: none"> <li>Registration</li> </ul>	11179-3 Registration Package and 11179-6 Registration Process	Proposed 19763-6 Registration Procedure	Consider enhancing 11179-6 to add missing functionality, so we only need one document.
<ul style="list-style-type: none"> <li>Services to Add, Change, Delete</li> </ul>	20944	ROR & RSIA	Also SQL-MM-8
<ul style="list-style-type: none"> <li>Services Interface</li> </ul>	20944	ROR & RSIA	Also SQL-MM-8
<ul style="list-style-type: none"> <li>Lifecycle Management</li> </ul>	11179-3 Version (incomplete)	ROR & RSIA	

<b>Requirements</b>	<b>ISO/IEC 11179 (MDR), 20943, 20944</b>	<b>ISO/IEC 19763 (MFI)</b>	<b>Notes</b>
<b>Facilities (continued)</b>			
<ul style="list-style-type: none"> <li>Extension Mechanisms</li> </ul>	11179-3 Slot (incomplete)		Consider mechanism for adding new packages (e.g. from CWM or ebXML etc)
<ul style="list-style-type: none"> <li>Federation</li> </ul>			Consider TR to provide guidance.
<b>Content Types</b>			
<ul style="list-style-type: none"> <li>Data Elements</li> </ul>	11179-3 Data Elements		
<ul style="list-style-type: none"> <li>Data Grouping</li> </ul>	Missing (might use data element derivation)		
<ul style="list-style-type: none"> <li>Data Models</li> </ul>		Need a separate part of 19763	19763-2 Core Model could be used for registration
<ul style="list-style-type: none"> <li>Object Models</li> </ul>		Need a separate part of 19763	19763-2 Core Model could be used for registration
<ul style="list-style-type: none"> <li>Concept Systems – MFI 3 and MDR Concept Systems</li> </ul>	11179-3 Concept System	19763-3 Ontology Registration	(20943-6 to describe harmonization)
<ul style="list-style-type: none"> <li>Ontologies</li> </ul>	11179-3 Concept System	19763-3 Ontology Registration	
<ul style="list-style-type: none"> <li>Process</li> </ul>	N/a	19763-5 Process Registration	
<ul style="list-style-type: none"> <li>Services</li> </ul>	N/a	19763-7 Service Registration	
<ul style="list-style-type: none"> <li>Roles</li> </ul>	N/a	19763-8 Role and Goal Registration	
<ul style="list-style-type: none"> <li>Goals</li> </ul>	N/a	19763-8 Role and Goal Registration	
<b>Mapping and Transformation (Semantic Interoperability)</b>			
<ul style="list-style-type: none"> <li>Data Mapping</li> </ul>	20943-5 SMMP 11179-3 Data Element Derivation	19763-4 Model mapping	Data Element Derivation may be considered a subset of model mapping

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<b>Mapping and Transformation (Semantic Interoperability)</b> (continued)			
<ul style="list-style-type: none"> <li>Data Transformation</li> </ul>	20943-5 SMMP 11179-3 Data Element Derivation	19763-4 Model mapping	Data Element Derivation may be considered a subset of model mapping
<ul style="list-style-type: none"> <li>Model Mapping</li> </ul>		19763-4 Model mapping	19763-4 uses metamodel to describe the mapping or transformation. 11179-3 data element derivation does not use a metamodel.
<ul style="list-style-type: none"> <li>Model Transformation</li> </ul>		19763-4 Model mapping	
<ul style="list-style-type: none"> <li>Concept System Mapping</li> </ul>		19763-4 Model mapping?	
<ul style="list-style-type: none"> <li>Concept System Transformation</li> </ul>		19763-4 Model mapping?	
<ul style="list-style-type: none"> <li>Ontology Mapping</li> </ul>		19763-4 Model mapping?	
<ul style="list-style-type: none"> <li>Ontology Transformation</li> </ul>		19763-4 Model mapping?	
<ul style="list-style-type: none"> <li>Service Orchestration &amp; Choreography Support</li> </ul>		19763-5,7,8 (RGPS), 19763-9 (ODMS) ROR & RSIA	