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ISO/IEC 20944 Project Split Justification

Project Split

This reorganization was approved by SC32/WG2 and SC 32 at the 2001-10 Victoria meeting.

ISO/IEC 20944 Information technology – Metadata Registry – Bindings

ISO/IEC 20944-01 Information technology – Metadata Registry – Bindings - Part 1: Conformance

ISO/IEC 20944-20 Information technology – Metadata Registry – Bindings - Part 20: Coding binding overview

ISO/IEC 20944-21 Information technology – Metadata Registry – Bindings - Part 21: XML binding

ISO/IEC 20944-22 Information technology – Metadata Registry – Bindings – Part 22: ASN.1 binding

ISO/IEC 20944-40 Information technology – Metadata Registry – Bindings - Part 40: API binding overview

ISO/IEC 20944-41 Information technology – Metadata Registry – Bindings - Part 41: C binding

ISO/IEC 20944-42 Information technology – Metadata Registry – Bindings - Part 42: C++ binding

ISO/IEC 20944-43 Information technology – Metadata Registry – Bindings - Part 43: Java binding

ISO/IEC 20944-44 Information technology – Metadata Registry – Bindings - Part 44: Javascript binding

Justification

Originally, the 20944 project was a monolithic, multi-language (C, C++, Java, etc.) API binding of the metadata query service. However, as the 11179-3 and 20944 work has progressed, a better organization has revealed itself:

- Leave only the conceptual framework in 11179-3
- Move the (binding-specific) conformance wording to TR 20944
- Split 20944 into multiple parts:
 - Overview and Framework
 - Conformance - Part 1: Conformance
 - Coding bindings (several, Parts 20-39)
 - Part 20: Coding binding overview (ISO/IEC 11404 notation)
 - Part 21: XML binding
 - Part 22: ASN.1 binding
 - Other Examples:
 - Part 23: DNVP binding
 - Part 24: DCMI binding
 - Part 25:
 - Part 26:
 - API bindings (several, Parts 40-59)
 - Part 40: API binding overview (ISO/IEC 13886 notation)
 - Part 41: C binding
 - Part 42: C++ binding
 - Part 43: Java binding
 - Part 44: Javascript binding
 - Other Examples:
 - Part 45: Perl binding

- Part 46: LISP binding
- Part 47:
- Part 48:

- Protocol bindings (several, Parts 60-79)
Examples:
 - Part 60: Protocol binding overview
 - Part 61: ODBC binding
 - Part 62: DCTP binding
 - Part 63:
 - Part 64:

This kind of reorganization is particularly useful because vendors/users can decide which standards they want to conform to:

- 11179-3
- 20944-x (multiple options)

This "pick and choose" approach matches the market/industry needs, so the structure of the standards should match the market/industry needs <-- i.e., the rationale for partitioning.

Note: The above list is not a commitment to develop all parts, but simply an organizational diagram of how the parts would be developed over time, based on market/industry needs.