ISO/IEC JTC1   Final CD/Final PDAM

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Topic Maps — Part 4: Canonicalization
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FPDAM   Amd.   , - - -   XML
*   *   *
URI(Uniform Resource Identifier)   (Unicode)   IRI(Internationalized Resource Identifier) URI   IRI   IRI

<< General comments >>
 	
1. Information item types and their properties should be in consistency between TMDM and Canonicalization. The "locator item" and its properties should be deleted or changed.
 	
<< technical comments >>
 	
1. All part of the specification
 	
   "URI"
   should be changed to
   "IRI",
   because an IRI is a sequence of characters from the Universal Character Set (Unicode/ISO 10646) and allows to use non-Latin scripts in it.
 	
2. Clause 3 Normalisation of Locator References
 	
   Definition of Normalisation process (item 1 - 4) is hard to understand. Examples should be added.
 	
********   << example >> ***********************************
 	
Perhaps an example will also help.

Let us say that the locator to be normalised is
http://www.isotopicmaps.org/sam/cxtm/sample.xtm#S02?q01.
Let us also assume that the base locator of the topic map is
http://www.isotopicmaps.org/sam/cxtm/sample.xtm.
Let us use the value L as the current normalised value of the input locator.

The result of step 1 should be:
P = http://www.isotopicmaps.org/sam/cxtm/sample.xtm
L = http://www.isotopicmaps.org/sam/cxtm/sample.xtm#S02?q01

After step 2 (L starts with P, so remove the entire substring from L)
P = http://www.isotopicmaps.org/sam/cxtm/sample.xtm
L = #S02?q01

Let us now consider the case where the input locator is http://www.isotopicmaps.org/sam/sam-model/#d0e592

After step 1
P = http://www.isotopicmaps.org/sam/cxtm/sample.xtm
L = http://www.isotopicmaps.org/sam/sam-model/#d0e592

After step 2 (there is no match found)
P = http://www.isotopicmaps.org/sam/cxtm/sample.xtm
L = http://www.isotopicmaps.org/sam/sam-model/#d0e592

After step 3
P = http://www.isotopicmaps.org/sam/cxtm
L = http://www.isotopicmaps.org/sam/sam-model/#d0e592

After step 2 (again no match found)
P = http://www.isotopicmaps.org/sam/cxtm
L = http://www.isotopicmaps.org/sam/sam-model/#d0e592

After step 3
P = http://www.isotopicmaps.org/sam
L = http://www.isotopicmaps.org/sam/sam-model/#d0e592

After step 2 (L starts with P, so remove the entire substring and the '/' separator from L)
P = http://www.isotopicmaps.org/sam
L = sam-model/#d0e592

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3. Clause 4.2 Information Type and Basic Type Sort Order

   The "Basic Type" should be the "Fundamental Type".
   Because it is not the "Basic Type" but the "Fundamental Type" in TMDM.

4. Clause 4.8 Canonical Sort Order For Variant Items

   The "[resource]" should be the "[datatype]",
   in order to be consistent with the Equality rule of Variant Items in TMDM.

5. Clause 4.9 Canonical Sort Order For Occurrence Items

   The "[resource]" should be the "[datatype]",
   in order to be consistent with the Equality rule of Occurrence Items in TMDM.

6. Clause 4.11 Canonical Sort Order For Association Role Items

The "[role playing topic]" should be the "[player]",
in order to be consistent with the Equality rule of Association Role Items in TMDM.

7. Clause 5.7 Constructing a representation of a topic map information item

The "topic map information item" in title
should be the "topic map item",
in order to be consistent with other items.

8. Clause 5.15 - 5.20 Constructing a representation of the [....] property

Only 6 properties (reifier, reified, scope, source locators, type and value) are defined
at the moment.
In addition to them, all properties should be defined.

<< Editorial comments >>

1. All part of the specification

Some words have two kinds of spell, for example "normalize and normalise". The wo
rds should be unified.

2. Clause 2. Normative references

"ISO10646-1, ISO 10646-1:2000: ... " and ISO10646-2, ISO 10646-2:2001:"
should be
"ISO/IEC 10646: 2003: ... ".

3. Clause 2 Normative references

Version of Unicode should be 4.0.

4. Clause 2 Normative references

"IETF RFC 2396, ... "
should be changed to
"IETF RFC 3986, Uniform Resource Identifier (URI): Generic Syntax ... , January 20
05, available at <http://www.ietf.org/rfc/rfc3986.txt>".

5. Clause 2. Normative references

"IETF RFC 3987, Internationalized Resource Identifiers (IRIs), Internet Standards Tr
ack Specification, January 2005, available at <http://www.ietf.org/rfc/rfc3987.txt>" should
 be added.

6. Clause 2 Normative references

"XML Infoset, XML Information Set, ... "
should be
"XML Information Set (Second Edition), World Wide Web Consortium, 4 February 20
04, available at <http://www.w3.org/TR/2004/REC-xml-infoset-20040204/>".

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