

## PMG Recommendations

Last update: 4 April 2011

No	Date	Source	Problem statement	Recommendation	Status
25	2010-12-09 Canberra, Australia	PMG	Project teams need guidance on how to best implement UML in ISO/TC 211 standards (raised by the revision of ISO 19115:2003).	Develop a good practice document for the use of UML in ISO/TC standards.	Dave Danko offered to write a first version of the document.
24	2010-05-26 Southampton, UK	PMG	Draft NWIP on Robotic Localization Service (n2907)	The PMG recommends the following for the NWIP: <ul style="list-style-type: none"> <li>- Address comments in the NWIP, especially those regarding harmonization.</li> <li>- Remove 'Robotic' from the title, consider renaming the title (because 'localization' on its own has other meanings)</li> <li>- Ensure harmonization with UBPA work</li> <li>- Scope should be achievable within ISO deadlines, keeping in mind that this will be a first joint project</li> <li>- Draft document submitted together with NWIP should be in ISO's format</li> </ul>	
23	2009-11-05 Quebec, Canada	PMG	A section on UML notations, UML model stereotypes etc. (e.g. 5.2 - 5.6 in ISO 19115:2003) is not required in each standard.	Include a normative reference to 19103 and/or a UML standard, as appropriate. Additionally a reference to the informative annex, 'Introduction to UML' in the revised ISO 19103 may be included.	Ongoing
22	2009-11-05 Quebec,	PMG	Some types that are currently defined in ISO 19139 have been moved to the	When 19103 is published, an NWIP for an amendment to 19139, consisting of	<i>PMG comment submitted for the</i>

	Canada		revision ISO 19103. However, they should not be published in two documents at the same time.	one page: these types are now in 19103. No technical work. Fast track to FDAM	<i>systematic review of ISO 19139:2007 (n2901)</i>  Depending on which revision project finishes first, an amendment to ISO 19139:2007 might still be necessary.
21	2009-11-05 Quebec, Canada	PMG	<i>Draft NWIP for Geographic information — Procedures for item registration - XML Schema Implementation</i>	<i>Noting that the scope of the draft NWIP includes an XML implementation for procedures for item registration that is different to the XML implementation in the 19145 CD, ISO/TC 211 resolves that the XML implementation proposed in the draft NWIP should be harmonized with XML implementation in 19145. ISO/TC 211 further resolves that when 19135-2 reaches DIS stage, an amendment of 19145 should be initiated to move the annex with the XML implementation to 19135-2.</i>	<i>NWIP for ISO 19135-2 submitted (n2868).</i>
20	2009-11-05 Quebec, Canada	PMG	Standards approved for revision will have to be confirmed at some point in the future, if there is no NWIP	If resources for a revision are not available, consider proposing an amendment	Ongoing
19	2009-05-28 Molde, Norway	PMG	<i>ISO 19145 is currently under development and its Annex A, ISO 19135:2005 Geographic Information – Procedures for registration of items of geographic information – XML Implementation, is out of scope because it should be part of ISO 19135. ISO 19135 is expected to be revised soon.</i>	<i>Continue 19145 with XML implementation as Annex so that committee members can submit comments. Remove the Annex at the EC in Quebec. Include the Annex in the NWIP for 19135-2, the XML implementation of the revised 19135.</i>	<i>The XML implementation of ISO 19135:2005 in Annex A, will be removed once 19135-2 reaches DIS stage (Resolution 498)</i>
18	2009-05-28	PMG	Types that are used in more than one	<i>Investigate expansion of the map of</i>	<i>PMG dependency</i>

	Molde, Norway		standard should not be extracted into a separate standard.	<p><i>standards to include qualification of normative references, i.e. dependency matrix (PMG).</i></p> <p>Investigate establishment of a type catalogue (WG10).</p>	<p><i>database includes normative reference dependencies (n2979).</i></p> <p>Type catalogue still an open issue.</p>
17	2009-05-28 Molde, Norway	PMG	Content models and their encoding descriptions should remain harmonized when a revision is undertaken.	<p>The encoding description, such as an XML schema, should be revised in parallel with the content model (e.g 19115).</p> <p>It was resolved in an email discussion among PMG members that this is not always possible (23 April 2010). Therefore, the revision of the encoding should follow the revision of the content model.</p>	Ongoing
16	2009-05-28 Molde, Norway	PMG	The question was raised whether the standards for encoding should be included in the content model standard, a separate document or as an amendment.	<p>Keep the content model and encoding separate, i.e. in separate projects.</p> <p>It was resolved in an email discussion among PMG members that this is not always possible (23 April 2010). Therefore, rephrase that the revision of the encoding should follow the revision of the content model.</p>	Ongoing
15	2009-05-28 Molde, Norway	PMG	<i>Australia raised the issue of relative and absolute paths for XML validation. This discussion raised the bigger issue of compliance and conformance testing in general, touching on topics such as whether XML schemas are needed for every single standard and which</i>	<i>Establish an ad-hoc group on XML that advises the committee on how XML and OWL should be handled in ISO/TC 211, addressing issues such as validation tools and potentially coming up with Terms of Reference for an XML group in ISO/TC 211.</i>	<i>Ad hoc group on XML was established (Resolution 474)</i>

			<i>standards really needed to be tested for compliance.</i>		
14	2008-12-04 Tsukuba, Japan	PMG	Guidelines on compatibility published in n2516.	Project teams should implement guidelines when developing and revising standards.	Ongoing
13	2008-12-04 Tsukuba, Japan	PMG	National bodies ask for revisions of standards without supplying comments to justify a revision.	The PMG requests national bodies to provide comments when requesting revisions in a systematic review.	Ongoing
12	2008-12-04 Tsukuba, Japan	PMG	<i>Approved revision of 19115 (Metadata content model)</i>	<i>The revision of 19115 should be published as 19115-1 and should include services metadata, maybe service ontology. The metadata for sensor models for geopositioning should be published as an Amendment to 19115-2 (Imagery metadata).</i>	<i>Revision of ISO 19115 has been renamed to ISO 19115-1.  Second part was published as ISO 19115-2:2009</i>
11	2008-12-04 Tsukuba, Japan	PMG	<i>Approved revision of 19115 (Metadata content model)</i>	<i>The ongoing work on data quality should be taken into consideration when revising 19115-1.</i>	<i>ISO 19115rev is working on this.  Confirm at CD stage.  PMG comment submitted to ISO/CD 19115-1 (2011-04-21).</i>
10	2008-12-04 Tsukuba, Japan	PMG	<i>Approved revision of 19139 (XML schema implementation for Metadata)</i>	<i>The revision of 19139 should be published as 19139-1 and should include services metadata, harmonized with the revised OGC. The XML schema implementation for the imagery metadata should be published as 19139-2 and should include metadata from 19130 and should be aligned with SensorML.</i>	<i>PMG comment submitted for the systematic review of ISO 19139:2007 (n2901)</i>

9	2008-12-04 Tsukuba, Japan	PMG	Approved revision of 19115 (Metadata content model) and 19139 (XML schema implementation for Metadata).	The PMG recommends that the revision of ISO 19139-1 is done as a single project together with 19115-1.	NWIP for the revision of ISO 19115:2003 on its own was submitted due to resource constraints and the size of the project.
8	2008-12-04 Tsukuba, Japan	PMG	Approved revision of 19119 (Services).	The PMG recommends that the revision should exclude services metadata (moves to 19115-1).	ISO 19115rev is working on this.  Confirm at CD stage.  PMG comment submitted to ISO/CD 19115-1 (2011-04-21).  PMG comment submitted to NWIP for ISO 19119 (2011-04-25).
7	2008-12-04 Tsukuba, Japan	PMG	19130 and its parts.	The current 19130 project should be published as 19130-1 (Imagery sensor models for geopositioning). The work on sensor models and alignment with SensorML should be done in a separate 19130-2.	<b>Published as ISO/TS 19130:2010</b>
6	2008-12-04 Tsukuba, Japan	PMG	Approved revision of 19107 (Spatial schema) and 19109 (Rules for application schema).	The PMG recommends that the revisions of 19107 and 19109 follow the revision of 19103.	
5	2008-12-04 Tsukuba, Japan	PMG	Systematic review of 19127 (Geodetic codes and parameters)	19127 should be reconfirmed as a Technical Specification so that a registry implementation can be done.	Confirmed (Resolution 441)
4	2008-12-04 Tsukuba, Japan	PMG	Currently there is no record of responses received on draft NWIPs.	Responses to the comments received on a draft NWIP should be included when the NWIP is submitted.	Ongoing

3	2008-12-04 Tsukuba, Japan	PMG	Draft NWIP on data quality	The PMG recommends that this work should take into consideration the work that will be done in the revision of 19115-1.	NWIP submitted (n2614)  Confirm at CD stage.  PMG comment submitted to ISO/CD 19157 (2011-04-28).
2	2008-05-28 Copenhagen, Denmark	PMG	Approved revision of 19101 and 19108	The PMG recommends that the TC issue a call for NWIPs for the revisions of these projects.	Call was sent out (n2502)
1	2007-05-28	PMG	Draft NWIP n2424 and comments in n2471 on <i>Specification of a production method using the customer supplier in partnership.</i>	The PMG recommends that the NWIP includes the following: <ul style="list-style-type: none"> <li>• Process equivalent of 19131 - Data product specifications</li> <li>• Framework from which individual organizations derive their own detailed solutions</li> <li>• Will not require additional auditing procedures</li> <li>• Shorter scope, ISO9000 normative references</li> <li>• Accommodate broad domain covered by ISO/TC211 standards</li> <li>• Ensure no overlap with ISO/TC207 Environmental Management</li> </ul>	