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## **ISO/TC 211 Geographic information/Geomatics**

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**Resolutions of the 14th plenary meeting of ISO/TC 211  
Bangkok, Thailand, 2002-05-23/24**

**Resolution 208 Approval of liaison request from the Permanent Committee on  
Spatial Data Infrastructure for the Americas (PC IDEA)**

ISO/TC 211 appreciates the request for category A liaison status from the Permanent Committee on Spatial Data Infrastructure for the Americas (PC IDEA), and instructs the secretariat to inform the ISO Central Secretariat of its approval.

*Unanimous*

**Resolution 209 Approval of liaison request from the Scientific Committee on  
Antarctic Research (SCAR)**

ISO/TC 211 appreciates the request for category A liaison status from the Scientific Committee on Antarctic Research (SCAR), and instructs the secretariat to inform the ISO Central Secretariat of its approval.

*Unanimous*

**Resolution 210 Approval of liaison request from the United Nations Group of  
Experts on Geographical Names (UNGEGN)**

ISO/TC 211 appreciates the request for category A liaison status from the United Nations Group of Experts on Geographical Names (UNGEGN), and instructs the secretariat to inform the ISO Central Secretariat of its approval.

*Unanimous*

**Resolution 211 Registration of ISO CD 19104, Geographic information –  
Terminology as DIS**

ISO/TC 211 instructs the secretariat to process the editorial omissions and corrections, and to forward ISO CD 19104 (document N 1237) to the ISO Central Secretariat for issuing as DIS.

*Unanimous*

**Resolution 212 Registration of ISO CD 19116, Geographic information –  
Positioning services as DIS**

ISO/TC 211 instructs the secretariat to resolve the editorial comments, and to forward ISO CD 19116 (document N 1232) to the ISO Central Secretariat for issuing as DIS.

*Unanimous*

**Resolution 213 Confirmation of new work item Geographic information –  
Geography Markup Language (GML)**

ISO/TC 211 confirms the approval of the following new work item and endorses the nomination of project leader:

*WI 19136 Geographic information – Geography Markup Language (GML)*  
Mr. Clemens Portele

The project is assigned to Working Group 4.

*Unanimous*

**Resolution 214 Confirmation of new work item Geographic information - Generally used profiles of the spatial schema and of similar important other schemas**

ISO/TC 211 confirms the approval of the following new work item and endorses the nomination of project leader:

*WI 19137 Geographic information - Generally used profiles of the spatial schema and of similar important other schemas*  
Mr. Josef Dorfschmid

The project is assigned to Working Group 7.

ISO/TC 211 instructs the project leader to consult with the project team regarding resolution of the comments to the title and scope. ISO/TC 211 further instructs the project leader to forward the proposed changed title and scope to the secretariat by 2002-07-01 for ballot among the members. The project team shall proceed with the work while the ballot is in progress.

*Unanimous*

**Resolution 215 Terminology maintenance group (TMG)**

ISO/TC 211 resolves to retain the TMG under the convenorship of Mr. Andrew Jones, to review and update the ISO/TC 211 on-line terminology repository.

ISO/TC 211 instructs each Working Group convenor to nominate two representatives from their working group to the TMG by 2002-06-30 and authorises the TMG convenor to invite additional members as necessary, to ensure:

- more than one language is represented;
- terminology expertise is included;
- national bodies and liaisons are engaged.

*Unanimous*

**Resolution 216 New work item proposal to address harmonization and enhancements**

ISO/TC 211 is pleased to accept the United Kingdom's offer to draft a NWIP for a Technical Amendment to address harmonization and enhancements for all the 19100 standards in order that the amended standards can be published in a timely and efficient manner.

Further more ISO/TC 211 requests the United Kingdom to submit by 2002-06-17 to the secretariat the NWIP for ballot.

*Unanimous*

**Resolution 217 Cooperative agreement between ISO/TC 211 and Digital Geographic Information Working Group (DGIWG)**

ISO/TC 211 appreciates the draft cooperative agreement from DGIWG. ISO/TC 211 instructs the secretariat to review the proposal in cooperation with the ISO Central Secretariat and forward the final text of the cooperative agreement for approval by the ISO Council.

*Unanimous*

**Resolution 218 Appreciation to ESRI**

ISO/TC 211 wishes to express its gratitude to ESRI for the offer to provide the ISO/TC 211 stand at the ESRI User Conference in San Diego in July 2002 and at the World Summit on Sustainable Development (WSSD) in Johannesburg in August 2002.

*Unanimous*

**Resolution 219 Editor of ISO CD 19128**

ISO/TC 211 welcomes and accepts the offer from OGC for Dr. Jeff de la Beaujardiere to become editor for ISO CD 19128 Geographic information – Web Map Server Interface.

*Unanimous*

**Resolution 220 Delegation to the meeting of the Joint steering group for spatial standardization and related interoperability in London, 2002-06-21/22**

ISO/TC 211 appoints the following delegation to represent ISO/TC 211 at the Joint steering group for spatial standardization and related interoperability in London 2002-06-21/22:

Dr. Abdullah Al-Shahrani, Saudi Arabia  
 Mr. Martin Ford, United Kingdom  
 Mr. Doug O'Brien, Canada  
 Dr. Charles Roswell, United States of America

*Unanimous*

**Resolution 221 Convenor of Working Group 6**

ISO/TC 211 welcomes and accepts the nomination from Canada of Mr. C. Douglas O'Brien as convenor of Working Group 6.

*Unanimous*

**Resolution 222 Convenor of Working Group 7**

ISO/TC 211 welcomes and accepts the nomination from South Africa of Mr. Antony Cooper as convenor of Working Group 7.

*Unanimous*

**Resolution 223 Convenor of Working Group 8**

ISO/TC 211 appreciates the nominations from the United States of America and the United Kingdom for convenor of WG 8.

ISO/TC 211 welcomes Mr. John R. Rowley of the United Kingdom as convenor of Working Group 8.

*Unanimous*

**Resolution 224 Convenor of Working Group 9**

ISO/TC 211 welcomes and accepts the nomination from Japan of Dr. Hiroshi Imai as convenor of Working Group 9.

*Unanimous*

**Resolution 225 Convenors of Advisory Group on outreach**

ISO/TC 211 welcomes the nominations from the Global Spatial Data Infrastructure (GSDI) of Mr. Henry Tom and from Germany of Professor Dr. Hans Knoop as convenors of the advisory group on outreach.

ISO/TC 211 accepts both nominations and appoints them as co-chairs of the advisory group for a period of two years.

*Unanimous*

**Resolution 226 Proceeding of ISO DIS 19115 Geographic information – Metadata**

ISO/TC 211 resolves to delete the informative annex F, clause J.3 and any references to these, in ISO DIS 19115, as requirements for XML DTDs are replaced by requirements for XML schemas in 19118.

ISO/TC 211 instructs the secretariat to process the corrections above and other editorial and minor technical improvements in accordance with the ISO Directives, and to forward ISO DIS 19115 to the ISO Central Secretariat for issuing as FDIS.

ISO/TC 211 resolves that an implementation UML model and an XML Schema for metadata in compliance with ISO 19115 and 19118 will be a new work item proposal for a Technical Specification. Based on discussions at the 14<sup>th</sup> ISO/TC 211 plenary, the new work item proposal will be submitted for ballot by 2002-06-30.

*Unanimous*

**Resolution 227 Development of registers**

ISO/TC 211 believes that the current effort to develop appropriate procedural and technical standards for registration should continue. ISO/TC 211 therefore directs:

- PT 19135 to continue work on a procedural standard for registration of items of geographical information along the lines suggested in the PT presentation to the Plenary meeting on 2002-05-23 (refer document N 1288).
- PT 19126 to specify requirements for the registration of feature catalogues.
- PT 19127 to complete the development of a technical standard for the registration of lists of geodetic codes and parameters.

The consensus of ISO/TC 211 is that a register for catalogues should be established initially as an internal repository after the appropriate standards have reached the DIS stage.

*Unanimous*

**Resolution 228 Review of ISO 6709:1983 Standard representation of latitude, longitude and altitude for geographical locations**

ISO/TC 211 instructs the secretariat to immediately send out a call for systematic review of ISO 6709:1983 Standard representation of latitude, longitude and altitude for geographical locations.

*Unanimous*

**Resolution 229 Liaison representatives**

ISO/TC 211 accepts the following liaison representations:

- Professor João de Matos, Portugal, to UNGIWG
- Professor Tschangho Kim, Korea, to UNGIWG
- Mr. Vincent Dessard, Belgium, to UNGIWG
- Professor Liping Di, United States of America, to UNGIWG
- Mr. Antony Cooper, South Africa, to ICA
- Mr. John Eller, United States of America, to DGIWG
- Mr. George Percivall, United States of America, to IEEE GRSS
- Mr. Larry Hothem, United States of America, to SCAR

ISO/TC 211 expresses its appreciations to Mr. Dave Danko for serving as representative to DGIWG for several years.

*Unanimous*

**Resolution 230 Response to OGC proposal for TOCG strategy**

ISO/TC 211 recommends that the chair of ISO/TC 211 and the chair of TOCG meet with representatives of OGC, including the chair of OGC TC, to discuss the future cooperation between ISO/TC 211 and OGC. As a consequence, ISO/TC 211 recommends that the TOCG does not meet until this meeting has been held.

*Unanimous*

### Resolution 231 Registration of ISO CD 19118, Geographic information – Encoding as DIS

ISO/TC 211 instructs the secretariat to finalize the editing of ISO CD 19118, including making annex A informative, and to forward ISO CD 19118 (document N 1136) to the ISO Central Secretariat for issuing as DIS.

The annex of XML encoding rules will be made normative as a part of the amendment process described in resolution 216.

*Unanimous*

### Resolution 232 Adjustment of target dates of the ISO/TC 211 programme of work

**Bold = Delivered documents**

Project no	WD	CD	2. CD	3. CD	DIS	FDIS	IS
19101	<b>96-03</b>	<b>98-01</b>	<b>1998-12</b>		<b>2000-10</b>	2002-06	2002-09
19102	<b>96-09</b>	<b>98-07</b>	<b>1999-04</b>		Deleted		
19103	<b>96-01</b>	<b>1999-07</b>	<b>PDTS 2001-07</b>		DTS 2002-06		TS 2002-09
19104	<b>96-09</b>	<b>1999-05</b>	<b>1999-11</b>	<b>2001-04</b>	2002-06	2003-02	2003-05
19106	<b>96-09</b>	<b>1999-11</b>	<b>2000-11</b>		2002-06	2003-02	2003-05
19107	<b>96-10</b>	<b>99-01</b>	<b>1999-11</b>	<b>2000-05</b>	<b>2001-05</b>	2002-08	2002-11
19108	<b>96-03</b>	<b>98-11</b>	<b>1999-11</b>		<b>2000-11</b>	2002-06	2002-09
19109	<b>96-09</b>	<b>98-12</b>	<b>2000-05</b>	<b>2000-11</b>	<b>2002-01</b>	2002-09	2002-12
19110	<b>96-09</b>	<b>98-04</b>	<b>1998-11</b>		<b>2001-07</b>	2002-08	2002-11
19111	<b>97-12</b>	<b>98-11</b>	<b>1999-11</b>		<b>2000-12</b>	2002-08	2002-11
19112	<b>96-03</b>	<b>98-05</b>	<b>1999-11</b>		<b>2001-10</b>	2002-08	2002-11
19113	<b>96-03</b>	<b>98-04</b>	<b>1998-11</b>	<b>1999-11</b>	<b>2001-02</b>	2002-07	2002-10
19114	<b>96-09</b>	<b>99-01</b>	<b>1999-11</b>	<b>2000-06</b>	<b>2001-08</b>	2002-08	2002-11
19115	<b>96-03</b>	<b>98-07</b>	<b>1999-11</b>	<b>2000-06</b>	<b>2001-09</b>	2002-09	2002-12
19116	<b>97-09</b>	<b>1999-11</b>	<b>2001-07</b>		2002-06	2003-02	2003-05
19117	<b>96-09</b>	<b>98-05</b>	<b>1999-06</b>	<b>1999-11</b>	<b>2002-02</b>	2002-10	2003-01
19118	<b>96-09</b>	<b>99-03</b>	<b>2000-05</b>		2002-06	2003-02	2003-05
19119	<b>96-09</b>	<b>2000-05</b>	<b>2001-02</b>		<b>2002-01</b>	2002-09	2002-12
19120/ Amd. 1		PDTR 2003-06			DTR 2003-12		TR 2004-04
19122		PDTR 2002-07			DTR 2002-11		TR 2003-02
19123	<b>1999-04</b>	<b>2001-01</b>	<b>2002-02</b>		2002-08	2003-05	2003-08
19125-1	<b>99-09</b>	<b>1999-11</b>	<b>2000-08</b>		<b>2000-11</b>	2002-07	2002-10
19125-2	<b>99-09</b>	<b>1999-11</b>	<b>2000-08</b>		<b>2000-11</b>	2002-07	2002-10
19125-3					2001-	2002-	2002-
19126	2002-06	2002-12			2003-06	2003-12	2004-02
19127	<b>2001-09</b>	PDTS 2002-07			DTS 2002-11		TS 2003-04
19128		2002-06			2002-11	2003-07	2003-10
19129	<b>2001-10</b>				DTS 2002-11		TS 2003-03
19130	<b>2001-09</b>	2002-12			2003-09	2004-04	2004-07

Project no	WD	CD	2. CD	3. CD	DIS	FDIS	IS
19131	2002-06	2002-07	2003-01		2003-11	2004-07	2004-10
19132	RS* 2002-11						
19133	2001-12	2002-07			2002-11	2003-07	2003-10
19134	2002-05	2002-11			2003-05	2004-01	2004-04
19135	2002-06	2002-09			2003-05	2004-01	2004-04
19136	2002-10	2003-04			2003-09	2004-05	2004-08
19137	2003-02	2003-06			2003-12	2004-08	2004-11

\*RS=Review summary

*Unanimous*

### **Resolution 233 Requirements concerning subsequent meetings**

ISO/TC 211 adopts the following meeting schedule:

15th plenary	2002-11-14/15	Gyeongju, Rep. of Korea	
16th plenary	2003-05-22/23	Switzerland	
17th plenary	2003-10/11	Germany	(avoid 10-01 – 11-05)
18th plenary	2004-05	Canada	
19th plenary	2004-11	Kuala Lumpur, Malaysia	(avoid 10-10 – 11-15)
20th plenary	2005-05/06	Stockholm, Sweden	

Facilities for editing committees, project team meetings and a workshop will be provided at the 15th plenary in Gyeongju.

*Unanimous*

### **Appreciations**

ISO/TC 211 expresses its appreciation to the Thai Industrial Standards Institute for hosting the workshop, working groups, editing and 14th plenary meetings and providing the committee with excellent meeting facilities.

ISO/TC 211 expresses its appreciation to the Thai Industrial Standards Institute for the excellent dinner and entertainment for the delegates and their accompanying persons at Siam Erawan on Thursday night, and for the words of welcome from Ms. Sasithorn Suntharak.

ISO/TC 211 further expresses its appreciation to the hosts for arranging the excellent dinner cruise on Wednesday evening.

ISO/TC 211 finally expresses its gratitude to Dr. Kaew Nualchawee, Ms. Sasithorn Suntharak, Ms. Thitima Hoonsuwan, Ms. Apassorn Suksai, Ms. Porntip Sai-ngam, Ms. Nopporn Klum-Em and Ms. Salakjit Chotsiri for their excellent help in arranging the meetings and their support during the meetings.

*Acclamation*