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AEmail to secretary: bjs@standard.no

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Resolutions of the 43rd plenary meeting of ISO/TC 211 Redlands, California, 2016-12-01/02

Resolution 785 Liaison with The Calendaring and Scheduling Consortium – CalConnect

ISO/TC 211 appreciates and accepts the request for a category A liaison from CalConnect, and instructs the secretariat to inform the ISO Central Secretariat of its approval.

Unanimous

Resolution 786 Liaison with EUROGI – European Umbrella Organisation for Geographic Information

ISO/TC 211 appreciates and accepts the request for a category A liaison from EUROGI, and instructs the secretariat to inform the ISO Central Secretariat of its approval.

Unanimous

Resolution 787 Nomination of new chair of ISO/TC 211

ISO/TC 211 appreciates and accepts the nomination from Sweden of Ms. Christina Wasström as new chair of ISO/TC 211, and instructs the secretariat to inform the ISO Central Secretariat of its approval.

Acclamation!

Resolution 788 Re-appointment of convenor of Working Group 1

ISO/TC 211 confirms the re-appointment of Mr. Andrew Jones as convenor of WG 1 Framework and reference model, for an additional period of 3 years.

Unanimous

Resolution 789 Project leader for ISO 19146 – Geographic information – Cross-domain vocabularies

ISO/TC 211 appreciates and accepts the nomination from Australia of Mr. Andrew Jones as the project leader of the revision of ISO 19146:2010.

Unanimous

Resolution 790 Registration of new project ISO 19160-3, Addressing – Part 3: Address data quality

ISO/TC 211 confirms that the following project has been approved by the ISO/TC 211 members and is added to the programme of work:

- New project (Stage 20.00): ISO/NP 19160-3, Addressing — Part 3: Address data quality

Submitted by: NMB of USA
Project Leader: Mr. Sean Uhl, USA

Approval date: 2016-07-02
Target date for IS: 2019-07-02

The project is assigned to WG 7.

Unanimous

Resolution 791 Registration of new project ISO 19150-4, Geographic information – Ontology – Part 4: Service ontology

ISO/TC 211 confirms that the following project has been approved by the ISO/TC 211 members and is added to the programme of work:

- New project (Stage 20.00): ISO/NP 19150-4, Geographic information – Ontology – Part 4: Service ontology

Submitted by: NMB of China

Project Leader: Professor Jiantao Bi, China
Editor: Dr. Jean Brodeur, Canada

Approval date: 2016-11-01
Target date for IS: 2019-11-01

The project is assigned to WG 7.

Unanimous

Resolution 792 Registration of new project ISO 19115-1:2014 Amendment 1 and registration for DAmd

ISO/TC 211 confirms that the following project shall be added to the programme of work:

- New project (Stage 40.00): ISO 19115-1:2014 Amendment 1, Geographic information – Metadata – Part 1: Fundamentals - Amendment 1

Submitted by: ISO/TC 211 Secretariat

Project Leader: Mr. David Danko, USA

Approval date: 2016-12-02
Target date for Amd: 2018-12-02

The project is assigned to WG 7.

ISO/TC 211 instructs the secretariat to forward the document (N 4383) to the ISO Central Secretariat for DAmd ballot.

Unanimous

Resolution 793 Revision of ISO 19133:2005 Geographic information – Location-based services – Tracking and navigation

Taking into consideration the work in progress by the Ad hoc group on Location based services, ISO/TC 211 resolves to withdraw the registration of the revision and confirm ISO 19133:2005.

Revision of ISO 19133:2005 will be after, and guided by, the recommendations of the ad hoc group.

Unanimous

Resolution 794 Registration of ISO/CD 19101-2, Geographic information – Reference model – Part 2: Imagery, as DIS

ISO/TC 211 instructs the secretariat to review the comments received in document N 4419 in cooperation with the editor, to update document N 4369 accordingly and forward ISO/CD 19101-2 to the ISO Central Secretariat for DIS ballot.

Unanimous

Resolution 795 Registration of ISO/CD 19130-1, Geographic information – Imagery sensor models for geopositioning – Part 1: Fundamentals, as DIS

ISO/TC 211 instructs the secretariat to review the comments received in document N 4420 in cooperation with the editor, to update document N 4371 accordingly and forward ISO/CD 19130-1 to the ISO Central Secretariat for DIS ballot.

Unanimous

Resolution 796 Registration of ISO/CD 19107, Geographic information – Spatial schema, as DIS

ISO/TC 211 instructs the secretariat to review the comments received in document N 4494 in cooperation with the editor, to update document N 4373 accordingly and forward ISO/CD 19107 to the ISO Central Secretariat for DIS ballot.

Unanimous

Resolution 797 Registration of ISO/CD 19115-2, Geographic information – Metadata – Part 2: Extensions for acquisition and processing, as DIS

ISO/TC 211 instructs the secretariat to forward document N 4375, ISO/CD 19115-2, to the ISO Central Secretariat for DIS ballot.

Unanimous

Resolution 798 Registration of ISO/CD 19123-2, Geographic information – Schema for coverage geometry and functions – Part 2: Coverage implementation schema, as DIS

ISO/TC 211 instructs the secretariat to review the comments received in document N 4416 in cooperation with the editor, update document N 4379 accordingly and forward ISO/CD 19123-2, to the ISO Central Secretariat for DIS ballot.

Unanimous

Resolution 799 Registration of ISO 19157:2013 Amd. 1, Geographic information – Data quality – Amendment 1: Describing data quality using coverages, as DAmD

ISO/TC 211 instructs the secretariat to review the comments received in document N 4415 in cooperation with the editor, update document N 4377 accordingly and forward the draft ISO 19157:2013 amendment to the ISO Central Secretariat for DAmD ballot.

Unanimous

Resolution 800 Systematic review of ISO 19105:2000, Geographic information – Conformance and testing

Noting the results of the systematic review of ISO 19105:2000 (N 4389), ISO/TC 211 resolves to revise the standard with particular attention to the recommendations on modular standards (N 3205, N 3110, N 3165).

ISO/TC 211 instructs the secretariat to send out a call for project leader and experts to the project.

Approval date: 2016-12-02
Target date for IS: 2019-12-02

The project is allocated to WG 4.

Unanimous

Resolution 801 Systematic review of ISO 19132:2007, Geographic information – Location-based services – Reference model

Noting the results of the systematic review of ISO 19132:2007 (N 4368), ISO/TC 211 resolves to confirm the standard.

A revision will be considered at a later stage based on guidance from the ad hoc group on LBS.

Unanimous

Resolution 802 Recommendations on vote on systematic reviews

ISO/TC 211 recognizes that the upcoming systematic reviews have a number of standards where the members are requesting guidance on how to vote.

ISO/TC 211 reminds the liaisons that they are welcome to submit comments and nominate experts.

ISO/TC 211 recommends the following for systematic reviews with due date 2017-03-07:

- *ISO 19118:2011 Geographic information – Encoding*
Recommendation: Confirm
- *ISO 19141:2008 Geographic information – Schema for moving features*
Recommendation: Confirm

ISO/TC 211 encourages OGC to submit comments on this project.

- *ISO 19149:2011 Geographic information – Rights expression language for geographic information – GeoREL*

Recommendation: Confirm

ISO/TC 211 encourages OGC to submit comments on this project.

- *ISO 19156:2011 Geographic information – Observations and measurements*

Recommendation: Revise

ISO/TC 211 encourages OGC to submit comments on this project.

Unanimous

Resolution 803 Liaison representatives

ISO/TC 211 appreciates and accepts the following nominations of liaison representatives:

Dr. Serena Coetzee, South Africa and Dr. Antony Cooper, South Africa	to CalConnect
Dr. Liping Di, USA	to CEOS/WGISS
Mr. Roger Lott, United Kingdom	to Energistics
Dr. Liping Di, USA	to IEEE Geoscience and Remote Sensing Society
Mr. Roger Lott, United Kingdom	to International Association of Oil and Gas Producers (IOGP)
Dr. Serena Coetzee, South Africa	to ISO/TC 154
Mr. Chris Body, Australia	to ISO/IEC JTC 1/SC 24
Mr. Chris Body, Australia and Dr. Jean Brodeur, Canada	to ISO/IEC JTC 1/SC 41, Internet of things and related technology

Unanimous

Resolution 804 Liaison with ISO/TC 20/SC 14 Space systems and operations

ISO/TC 211 resolves to establish liaison with ISO/TC 20/SC 14, and instructs the secretariat to inform ISO/TC 20/SC 14.

Unanimous

Resolution 805 Co-convenor for the Terminology Maintenance Group

ISO/TC 211 notes the intention of the Terminology Maintenance Group (TMG) convenor to retire at the end of 2017.

ISO/TC 211 instructs the secretariat to send out a call for a TMG co-convenor, to become TMG convenor successor.

Unanimous

Resolution 806 Referencing UML in standards documents

ISO/TC 211 resolves that every ISO/TC 211 project that includes a UML model shall have a reference to UML and ISO 19103 in the symbols and abbreviation clause: "In this document, conceptual schemas are presented in the Unified Modeling Language (UML). ISO 19103 *Conceptual schema language* presents the specific profile of UML used in this document."

Unanimous

Resolution 807 Joint work with ISO/TC 59/SC 13 Organization of information about construction works

Noting Resolution 776 and ISO/TC 59/SC 13 Resolution 195, ISO/TC 211 welcomes Standards Norway, in consultation with the Swedish Standards Institute, to organize a workshop in conjunction with the next plenary in Stockholm, Sweden. The aim of the workshop would be to establish a new work item proposal for a joint stage 0 project to be carried out by a joint working group between ISO/TC 211 and ISO/TC 59/SC 13. ISO/TC 211 appreciates the offer of the United Kingdom to assist with the new work item proposal.

In preparation, Standards Norway will prepare a draft proposal to be discussed at the workshop. The draft proposal will be circulated to ISO/TC 211 and to ISO/TC 59/SC 13. Recognizing the renewed MoU between OGC and buildingSMART, ISO/TC 211 invites OGC and buildingSMART to join the workshop to be held in Stockholm.

Unanimous

Resolution 808 Cooperation with ISO/TC 204 Intelligent transport systems (ITS)

Noting the cooperative agreement (N 1690) between ISO/TC 211 and ISO/TC 204, and acknowledging the technology advancement in intelligent transport systems (ITS), ISO/TC 211 welcomes a new joint task force to investigate further challenges.

ISO/TC 211 nominates Trond Hovland to act jointly with ISO/TC 204 to establish such a joint task force.

Unanimous

Resolution 809 Revision of ISO 19152:2012 Land Administration Domain Model (LADM)

ISO/TC 211 notes the great interest in and increased use of ISO 19152, and recognizes the need for a revision to respond to new requirements.

ISO/TC 211 welcomes the opportunity to collaborate with the organizers of the UN Expert Group on Land Administration Management (UN EG LAM) meeting and the GLTN/FIG workshop in Delft in March 2017. This workshop focuses on the development of requirements for land administration operational standards and for a revision of the Land Administration Domain Model.

ISO/TC 211 welcomes the offer of Mr. Olaf Østensen, Mr. Chris Body and Dr. Antony Cooper to liaise with the organizers of these events to ensure the proper involvement of ISO/TC 211 in order to launch a revision of ISO 19152.

Unanimous

Resolution 810 Contributions to Workshop on Integrating Geospatial and Statistical Standards

ISO/TC 211 notes the information on a planned Workshop on Integrating Geospatial and Statistical Standards in Stockholm, Sweden, in the autumn of 2017 organized by UN-ECE and Statistics Sweden.

ISO/TC 211 notes the Category A liaison status of UN Statistics Division and UN-ECE and our committee's long time contribution to UN-GGIM.

ISO/TC 211 welcomes the offer from NMB of Sweden and Christina Wasström to contact Statistics Sweden to discuss how ISO/TC 211 could contribute to this workshop.

Unanimous

Resolution 811 Representation at the UN World Data Forum

ISO/TC 211 nominates Dr. Antony Cooper and Mr. Olaf Østensen to represent the committee at the UN World Data Forum in Cape Town on January 15-18, 2017.

Unanimous

Resolution 812 Adjustment of target dates of the ISO/TC 211 programme of work

Bold = Delivered documents

Project no	WG	CD	DIS	FDIS	IS/TS
19101-2 (Rev)	6		2016-12		2017-12
19107 (Rev.)	9	2015-02 CD.2 2016-02	2017-05		2018-05
19111-1 (Rev)	9	2017-05	2018-05		2019-05
19112 (Rev)	1	2017-02	2018-01		2019-01
19115-1 Amd 1	7		2017-01		2018-12
19115-2 (Rev)	6	2016-03	2016-07		2017-07
19116 (Rev)	4	2017-06	2018-06		2019-06
19123-1 (Rev)	6		2018-01		2019-01
19123-2	6		2016-12		2017-12
19126 (Rev)	7	2016-12	2017-06		2018-06
19127 (Rev)	9	2015-06	2016-10		2017-06
19130-1 (Rev)	6		2016-12		2017-12
19131 (rev)	9	2017-06	2018-06		2019-06
19133 (Rev)	10		2018-01		2019-01
19139-1 (Rev)	7	2017-02			TS 2017-06
19142 (Rev)	4		2018-06		2019-06
19143 (Rev)	4		2018-06		2019-06
19146	1	2017-02	2018-06		2019-08
19150-4	7		2018-11		2019-11
19155-2	10	2014-08	2016-05		2017-02
19157 Amd 1	9		2017-05		2018-05
19157-2	9	2014-09			Under publication
19159-3	6	2016-08			TS 2018-12
19160	7	Stage 0			
19160-2	7	2017-06	2018-06		2019-06
19160-3	7		2018-07		2019-07
19160-4	7	2014-12	2016-04		2017-04
19160-5	7	Stage 0	Review summary 2016-06		
19161-1	4	2017-06	2018-04		2019-04
19165	7	2016-09	2016-11		2017-11
19166	10	2017-03	2018-03		2019-03

Unanimous

Resolution 813 Requirements concerning subsequent meetings

ISO/TC 211 adopts the following meeting schedule:

44th plenary 2017-05-29/06-02 Stockholm, Sweden
45th plenary

Facilities for WG meetings, editing committees, project teams and other meetings will be provided prior to the plenary, as required.

ISO/TC 211 encourages the members to consider hosting meetings.

Unanimous

Appreciations

ISO/TC 211 expresses its appreciation to ANSI, INCITS/L1 and Esri for the invitation to the meeting in Redlands.

ISO/TC 211 expresses its appreciation to Esri for sponsoring the meeting and providing the excellent meeting facilities at the Esri Campus, and particularly to Ms. Jeanne Foust for her positive and active work to bring the meeting to Redlands, and for her help in the preparations.

ISO/TC 211 expresses its appreciation to Mr. Jack Dangermond for his welcome address to the delegates.

ISO/TC 211 expresses its appreciation to the staff of Esri for their excellent work in the preparation of the meeting, and their warm welcome and their helpfulness during the meeting, which made meetings successful:

The event staff; Ms. Maryann Stanson, Ms. Amy Brinkman, Ms. Pingkham Rattanababpha, Ms. Nickole Martinez, Ms. Jen Bullock, Ms. Jenny Ortiz and Mr. Galen Harry.

The audio/visual and internet staff; Mr. Zsolt Zander, Mr. Nic Calvert and Mr. Michael Hernandez.

The artist that made the country name signs; Mr. Rick Grady.

ISO/TC 211 expresses its appreciation to Esri for providing the delegates with lunches and coffee, and the reception on Monday evening.

ISO/TC 211 expresses its appreciation to Ms. Victoria Rautenbach and Ms. Jeanne Foust for the arrangement of the Workshop on Standards in Action on Wednesday, to Mr. Chris Body for being the moderator, and to Mr. Peter Parslow, Mr. Leif Granholm, Mr. Trond Hovland, Mr. Øivind Rooth and Mr. Brooks Patrick for their presentations.

ISO/TC 211 expresses its appreciation to the INCITS/L1 and Esri for the arrangement of the event "Celebration of 22 Years of ISO/TC 211: Making a Difference" on Thursday after the plenary.

ISO/TC 211 finally expresses its appreciation to Esri for the delightful dinner on Thursday evening.

Acclamation

The membership of ISO/TC 211 acknowledges the major contribution of the Norwegian Mapping Authority and Standards Norway to the work of ISO/TC 211 through its hosting of the ISO/TC 211 Chair and Secretariat since 1994. The series of ISO Geospatial Standards that have been developed during this time have made an important contribution to the improvement of geospatial information access, interoperability and knowledge across the globe.

The early development of the ISO/TC 211 website ensured the committee and members had a significant resource, improving our management of information and Standards development.

The membership of ISO/TC 211 particularly wishes to acknowledge the key role of Mr Olaf Østensen in initiating the formation of ISO/TC 211, his leadership and his consensual approach through which he has managed the Committee. The membership of ISO/TC 211 expresses their gratitude to Olaf and wishes him all the very best in his retirement from ISO/TC 211.

The membership of ISO/TC 211 also particularly wishes to acknowledge the commitment of Ms Bjørnhild Saeterøy and the professional manner and energy in which she has guided the work of the committee. The membership of ISO/TC 211 expresses their gratitude to Bjørnhild and wishes her all the very best in her retirement.

Their significant contribution and distinguished leadership was recognized in 2010 with ISO/TC 211 being awarded the Lawrence D Eicher by ISO. We thank Olaf and Bjørnhild.

Approved by acclamation