

TITLE: CityGML Standards Working Group Charter
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General Call to be included in the participation announcement.

To: OGC members & interested parties

A new OGC Standards Working Group is being formed. The OGC members listed below have proposed the OGC CityGML SWG. The SWG proposal provided in this document meets the requirements of the OGC TC Policies and Procedures.

The SWG name, statement of purpose, scope, list of deliverables, audience, and language specified in the proposal will constitute the SWG's official charter. Submissions of technology for consideration by the SWG, and the beginning of technical discussions may occur no sooner than the SWG's first meeting.

This SWG will operate under the OGC 2007 IPR Policy. The eligibility requirements for becoming a participant in the SWG at the first meeting (see details below) are that:

- (a) you must be an employee of an OGC member organization or an individual member of OGC;
- (b) the OGC member must have signed the OGC membership agreement;
- (c) you must notify the SWG chair of your intent to participate to the first meeting. Members may do so by using the "Join this SWG" button on the SWG's public page at [provide URL]; and
- (d) you must attend meetings of the SWG. The first meeting of this SWG is at the time and date fixed below. Attendance may be by teleconference.

Of course, participants also may join the SWG at any time. The OGC and the SWG welcomes all interested parties.

Non-OGC members who wish to participate may contact us about joining the OGC. In

addition, the public may access some of the resources maintained for each SWG: the SWG public description, the SWG Charter, Change Requests, and public comments, which will be linked from the SWG's page.

Please feel free to forward this announcement to any other appropriate lists. The OGC is an open standards organization; we encourage your feedback.

1. City Geography Markup Language SWG (CityGML SWG)

2. Purpose of this Standards Working Group

The purpose of this SWG is to revise the OpenGIS® City Geography Markup Language (CityGML) 1.0 Encoding Standard. The SWG will achieve this objective by evaluating and resolving submitted Change Request Proposals (CRPs) assigned to the CityGML SWG.

The SWG is a persistent SWG in order to enable the SWG to work on topics related to minor and major revisions of the OpenGIS® City Geography Markup Language (CityGML) 1.0 Encoding Standard at the same time.

The SWG will ensure that all changes are consistent with the OGC standards baseline and business plan.

3. Scope of Work

This SWG is focused on processing CRPs to be included in the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard.

The Scope of Work (SOW) will be to collect all outstanding CRPs, to evaluate each of the proposals, and to make edits to the standard based on CRPs and related decisions of the SWG membership. The SWG, at their discretion, may also ask the membership for any additional change requests that have not been previously submitted.

The SWG may announce cut-off dates for the submission of CRPs that are to be addressed in the next revision in accordance with the OGC TC Policy and Procedures. Additional CRPs submitted after the cut-off date may be addressed at the discretion of the SWG based on criticality of the change and available time and resources.

The SWG may decide to address selected CRPs immediately in a corrigendum of the current standard.

The deliverables of this SWG will be revisions of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard for consideration by the membership for adoption. As part of the CRP review process the SWG will decide whether the next revision will be a minor revision or a major revision.

3.1 What is out of scope?

This SWG is to be focused only on CRPs submitted through the formal process as identified in the OGC TC Policy and Procedures. Any items suggested through emails, vocal discussions, etc. will be outside the scope of this SWG until formally submitted.

3.2 Specific Contribution of Existing Work as a Starting Point

The starting point for each revision will be the currently adopted version of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard and all formally submitted CRPs.

3.3 How it is to be Determined when the Work of the SWG has been Completed?

As a persistent SWG, the voting members will have to vote to dissolve the SWG.

The work on a minor or major revision of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard will be completed after the following milestones have been achieved:

1. The SWG has completed evaluation, resolution, and incorporation of all CRPs submitted prior to the cut-off date into the candidate revision of the standard.
2. Completion of a 30 day public comment period.
3. Approval by the SWG membership of a recommendation to submit the document to the TC for consideration as a revision of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard deprecating the current version.
4. The revision of the standard has been approved by the OGC Technical and Planning Committees.

4. Description of deliverables

The following deliverables will result from the work of this SWG:

1. Candidates for the revision of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard for submission to the OGC TC. As part of the revision process the standard may be split into multiple parts, e.g., one part per thematic CityGML module.
2. Corresponding schema documents associated with the revision for publication in the OGC schema repository.
3. An annotated list of all CRPs submitted prior to the cut-off date, including the comment, submitter, rationale, comment type/priority, and the response of the SWG.
4. Release notes documenting the changes introduced in the revision.

The SWG will report the version(s) of CityGML the SWG is working on in its reports to the OGC TC including the anticipated schedule.

Although all CRPs will be addressed in each revision, some may be postponed due to the need to more quickly produce deliverables resolving higher priority requests.

The final deliverable of this SWG is an approved major revision of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard to version 2.0.

The following schedule of activities is anticipated for the first minor revision of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard:

1. Release of both a public request for CRPs to be addressed in the next revision and a corresponding announcement of a cut-off date for submission of CRPs after the December 2009 face-to-face meeting of the SWG at the OGC TC meeting in Mountain View, CA, USA. Submissions of CRPs will be due by the beginning of March 2010.
2. Review of all outstanding CRPs and creation of a revision plan (structuring of CRPs into planned versions, such as CityGML 1.1, maybe 1.2 and 2.0) at the face-to-face meeting at the March 2010 OGC TC meeting in Frascati, Italy.
3. Liaison with implementation community about this plan before the June 2010 OGC TC meeting in Silver Springs, MD, USA.
4. Review and voting for submitted CRPs for CityGML 1.1 at the face-to-face meeting at the June 2010 OGC TC meeting in Silver Springs, MD, USA.

5. Resolution and incorporation of CRPs into the candidate CityGML 1.1 revision completed by August 2009.
6. Electronic vote on Release of candidate CityGML 1.1 revision for a 30 day public comment period. This is planned for September 2010.
7. Evaluation, resolution, and incorporation of received comments into the candidate CityGML 1.1 revision.
8. Final candidate CityGML 1.1 revision for submission to the TC by e-vote in autumn 2010.

5. IPR Policy for this SWG

RAND-Royalty Free. RAND for fee

6. Anticipated Participants

The targeted participants of the CityGML SWG are those involved in the design, development, implementation, and use of virtual 3D city models in terms of both a common semantic information model and a common format for the storage and exchange of 3D city data.

CityGML is targeting the following example application areas:

- Urban and landscape planning,
- Architectural design,
- Tourist and leisure activities,
- 3D cadastres,
- Environmental simulations,
- Mobile telecommunications,
- Disaster management,
- Homeland security,
- Vehicle, pedestrian, and indoor navigation,
- Training simulators, and
- Mobile robotics.

Implementers of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard are, for example, the following organizations:

- Providers of 3D city models (i.e. cities, national mapping organizations and private data providers),
- GIS, CAD and BIM vendors, and
- Mass market software vendors interested in geographic based applications and the consumer.

7. Other informative information about the work of this SWG

a. Similar or applicable standards work (OGC and elsewhere).

- Revisions to standards normatively referenced by CityGML
- Revisions to ISO 19136:2007, *Geographic information – Geography Markup Language (GML)*
- Ongoing work in the 3DIM DWG and its associated SWGs

b. Will this be a persistent SWG?

Yes. The persistent character of the SWG enables the SWG to work on topics related to minor and major revisions of the OpenGIS® City Geography Markup Language (CityGML) Encoding Standard at the same time.

c. Details of the first meeting

The CityGML SWG kickoff meeting and teleconference will be held on Wednesday, 9 December from 9:00 to 12:00. The meeting will take place during the December 2009 OGC TC meeting in Mountain View, CA, USA. Call-in information will be provided to the SWG's e-mail list and on the portal calendar in advance of the meeting.

d. Projected on-going meeting schedule

The work of the SWG will be carried out primarily by email and conference calls, with face-to-face meetings in principle at each of the OGC TC meetings as defined by the chair. Other face-to-face meetings may be called if this can expedite the work of the SWG.

e. Supporters of the Proposal

The following people support this proposal and are committed to the Charter and projected meeting schedule. These members are known as SWG Founding or Charter members. Once the SWG is officially activated, these individuals are immediately “opted-into” the SWG and have voting rights from the first day the SWG is officially formed.

Name	Organization
Gilles Gesquière	LSIS
Alessandro Triglia	OSS Nokalva
Rick Pearsall	NGA
Nobuhiro Ishimaru	Hitachi
Akiko Sato	Hitachi
Paul Scarponcini	Bentley
Frank Steggink	Bentley
Benoit Fredericque	Bentley
Scott Simmons	TechniGraphics
Konstantin Baumann	Autodesk
Gerd Groeger	University of Bonn
Karl-Heinz Haeefe	Karlsruhe Institute of Technology
Joachim Benner	Karlsruhe Institute of Technology
Haik Lorenz	University of Potsdam
Christian Dahmen	con terra
Andreas Donaubaue	ETHZ, IGP
René Thiele	CPA Systems
Volker Coors	Fraunhofer

Michel Krämer	Fraunhofer
Carsten Rönsdorf	Ordnance Survey
Claus Nagel	Technical University Berlin
Thomas H. Kolbe	Technical University Berlin

e. Convener(s)

- Carsten Rönsdorf, Ordnance Survey
- Claus Nagel, Technical University Berlin
- Thomas H. Kolbe, Technical University Berlin