



Meeting Expert Group Geodesy of EuroGeographics

Brussels, Monday 14, 2005 – 9:00-12:00

Royal Observatory of Belgium, Meridian Meeting Room

Members of ExGG:

Zuheir Altamini

Elmar Brockmann

Heinz Habrich

(Björn Geirr Harsson

Johannes Ihde

Ambrus Kenyeres

Claude Luzet

Jaakko Mäkinen

Jaroslav Simek

Günter Stangl

Joao AgriaTorres

Georg Weber

Marijan Marjanovic

Responsibility

EUREF

CRS-EU, Georail (Vice-chair)

product catalogue, GCSI

since Feb. 2005 in pension)

Chair, CRS-EU, ISO/TC 211, EVRS

EVRS proceedings, definitions

EuroGeographics Head Office

gravity, EVRS proceedings, definitions

Secretary

EuroBoundaries

validation, certification, ISO 19111

NTRIP, EPN densification

public relation

Nominated by NMCA's:

Dimitros Delikaraoglou, Greece

Edmandas Sleiteris, Lithuania

Maria Ovdii, Moldova

Matej Klobušíak, Slovakia

Yavuz Selim Çengün, Turkey

Agenda

1. Minutes of the Meeting of the ExGG on 28th November 2004 in Prague (J. Simek)
 2. Catalogue of geodetic products (H. Habrich)
 3. Next steps for standardization and validation of geodetic products (J. Torres)
 4. Status of the introduction of the ETRS89 in Europe, return of Circular Letter of EUREF and EuroGeographics (J. Ihde)
 5. Status of the UIC / Georail project (E. Brockmann)
 6. Preparation for the Session of EuroGeographics for the EUREF Symposium 2005 in Vienna (J. Ihde, all)
 7. Organization of the work in the ExGG (J. Ihde)
 8. Varia
 - Results of EG Interproject Meeting 16 and 17 February 2005 (J. Simek)
 - Results of the Editing Meeting ISO 19111 on 25th to 26th January 2005
- ISO/TC 211 call for registration authority for geodetic codes and parameters (J. Ihde)

Cancelled: Public relations (M. Marjanovic)

2. Catalogue of geodetic products (H. Habrich)

(Meta data information system)

- **2002: Preparation and discussion of a working document for the INSPIRE initiative of the EU.**
 - **Objective: Possible participation in INSPIRE**
- **2003: Preparation of Terms of Reference of ExG-G**
 - **The working document is now part of the „ExG-G working plan“.**
- **2004: Presentation of a new work document**
 - **„Geodetic Control Station Information“**
 - **It is the result (deliverable) from the ExG-G working plan**
- **EUREF Symposium 2004: Presentation of a draft product catalogue scheme.**
 - **Definition of a terminology**
 - **Definition of a structure of the table**
 - **Fields of the table are partial filled**
- **Decision at the ExG-G in Prague, 2004 to establish at website**

Status of the Product Catalogue

A prototype has been realized on a website

- The most recent terminology and product list was considered**
- Link: <http://igs2.ifag.de/euref/>**

EUREF - European Reference Frame - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

↵ Zurück ↗

Adresse <http://igs2.ifag.de/euref/>

EUREF Products - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

↵ Zurück ↗

Adresse <http://igs2.ifag.de/euref/>

EUREF Product Sub-Class - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

↵ Zurück ↗

Adresse <http://igs2.ifag.de/euref/>

Product Details - Microsoft Internet Explorer

Datei Bearbeiten Ansicht Favoriten Extras ?

↵ Zurück ↗

Adresse <http://igs2.ifag.de/euref/details.php?id=1>

Product Classification

The products are classified according to the following criteria:

[Reference System](#)

[Station](#)

[Observation](#)

[Geophysics](#)

The EUREF branch. The products are classified according to the following criteria:

[About this website](#)

[What is your product?](#)

[Products](#)

[Online Shop](#)

[Registration](#)

[Links](#)

[Contact](#)

Full Product Catalogue

You could view the full catalogue of products.

[Show full catalogue](#)

[Home](#)

EUREF Product: Weekly EPN coordinates

There are 4 products available.

Product Sub-Class: Station

Details	Product
Select	
Select	
Select	
Select	

Product Specification

Product Number: 5					
Class: Station	Sub-Class: Coordinates	Accuracy: 0.5 to 1.5 cm	User Profile: cm accuracy	Latency: 3 weeks	Geodetic Technique: GNSS
Updates: weekly	Availability: public	Reference Frame: ITRF	Certification: -	Validation: -	Registry: -

Product Explanation

EUREF calculates station coordinates of the EUREF GPS Permanent Network (EPN) for every week. Each Local Analysis Center determines at first a sub-network solution. The EUREF product is a combination of these sub-networks.

Product Delivery

The combined solution is publicly available through a file in the SINEX format. You could download the files for every week from the server at <http://igs2.ifag.de>.

[Products](#) [Full Catalogue](#) [Home](#)

5. Status of the UIC / Georail project (E. Brockmann)

- Georail: towards harmonized, coordinated based track and infrastructure data
- „Railway –Geodesy“: absolute coordinates (1 cm acc.) in ETRS89
- ExG-G was asked to give a detailed overview about countries: France, Poland, Netherlands, Spain, Sweden, Germany, Switzerland : contribution to final report delivered.
- Interests in having information also for the other countries -> I promised to forward the results of ETRS questionnaire (submission deadline March 2005) to Georail.
- Final report is general, taking into account the different approaches (new network, finite element transformations, grid transformations).

6. Preparation for the Session of EuroGeographics for the EUREF Symposium 2005 in Vienna (J. Ihde, all)

-ExGG meeting

with all nominated members one day before TWG meeting at May 30, 2005

- Draft agenda for ExGG session:

- Annual Report of ExGG**
- Georail, EuroBoundaries (invited)**
- European Geospatial Data Infrastructure (ESDI)**
- Geodetic products for NMCA**
- CRS service**
- DGNSS for georeferencing (NTRIP)**

- **Invitation to all EG members**
- **Financial support from EG:**

As done in the last years, EuroGeographics will give a support to representatives from economically weak countries. However, the rules definitely say that only such countries can be supported, which are FULL MEMBERS in EuroGeographics.

Present requests:

Moldova, Maria Ovidii

Results of the Editing Meeting ISO 19111 revision on 25th to 26th January 2005

In 2004 a new 19111 version as DIS was proposed influenced by OGC.

Result of voting: No DIS 19111-review. Status was Committee Draft (CD)

19111 revision - comments received

Germany	67	
IAG	20	- all identical to a subset of comments from Germany.
OGC	17	
UK	11	
EPSG	9	
Japan	7	
South Africa	2	
Canada	1	
Finland	1	
	<hr/>	
	135	

19111 revision - comment grouping

• General	10
• Scope	
• temporal	19
• relate coordinates to CRS ?	3
• CRS/CS concepts and definitions	43
• Miscellaneous technical	2
• Editorial	
• with some technical content	27
• annexes	7
• typographic	24

Members of the 19111 EC meeting in Jan. 2005 in Berlin:

Charles Roswell – US (NGA, former NIMA) – chairman

Roger Lott – UK (EPSG, BP, OGC) – project leader and revision editor

Johannes Ihde – IAG, 19111:2003 editor

Marko Ollikainen - Finland

Jens Luthart – Germany

Erhard Pross – Germany

Roel Nicolai – Netherlands, OGC, EPSG

Jerzy Wojciechowski – Poland

19111 revision - possible schedule

1. EC meeting Berlin 2005-01-25/26

Assuming that all comments are satisfactorily processed at this meeting. Then:

- Revised document redrafted by 2005-02-04, circulated to EC (not available at present!)
- EC comments on revised draft by 2005-02-11

2. The next steps would then be:

- CD issued to TC 211 for 6 weeks review by 2005-02-25. Review closes 2005-04-05
 - If there is no objection, this draft is sent to ISO for DIS vote.
 - If 2 members have objections, it **MUST** be handled at a meeting.

Assuming it is approved:

3). Final CD sent from TC211 secretariat to ISO for DIS: 2005-04-20

4). DIS issued by ISO for 5-month comment period approx 2005-05-10.

Vote closes: approx. 2005-10-10

5). Resolution of comments on DIS depending on the amount and type:

- * By TC211 secretariat and editor
- * By editing committee

6). FDIS or IS: 2006-05 (includes time for ISO's checking of the document, proofing etc.)

ISO/TC 211 call for candidates for registration authority (RA) of ISO/TS 19127, Geographic information - Geodetic Codes and Parameters from 2004-12-08



ISO/TC 211 N 1752

2004-12-08

Number of pages: 3

ISO/TC 211 Geographic information/Geomatics

**ISO reference
number:**

19127

Title:

**Request for candidates for registration authority (RA) of
ISO/TS 19127, Geographic information - Geodetic codes and
parameters**

Request for candidates for registration authority of ISO/TS 19127

For the responsibility of the register managers in general, please refer to ISO/DIS 19135, *Geographic information — Procedures for registration of items of geographic information*, particularly subclause 5.3, and for the ISO/TC 211 register managers more specifically refer ISO/DIS 19135, Annex C.

NOTE: ISO/DIS 19135 uses the term "register managers" to include registration authority as used in the ISO/IEC Directives.

ISO/TS 19127 *Geographic information - Geodetic codes and parameters* (latest draft document ISO/TC 211 N 1751) deals with the content of the register.

Annex 1 of this document is an extract from the ISO/IEC Directives, part 1, regarding Registration Authority

Annex 1

Extract from the ISO/IEC Directives, part 1

Annex H of the ISO/IEC Directives, part 1, describes the rules concerning the designation of registration authorities:

- **A technical committee or subcommittee developing an International Standard that will require a registration authority shall inform the Chief Executive Officer at an early stage, in order to permit any necessary negotiations and to allow the ISO/TMB or IEC Council Board to take a decision in advance of the publication of the International Standard.**
- **The ISO/TMB or IEC Council Board designates registration authorities in connection with International Standards on the proposal of the technical committee concerned.**
- **Registration authorities should be qualified and internationally acceptable bodies; if there is no such organization available, such tasks may be conferred upon the office of the CEO by decision of the ISO/TMB or IEC Council Board.**

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- **Registration authorities should be required to indicate clearly in their operations** that they have been designated by ISO or IEC (for example, by including appropriate wording in the letterhead of the designated body).
- **Registration functions undertaken by the registration authority under the provisions of the relevant International Standard shall require no financial contribution from ISO or IEC or their members.** This would not preclude, however, the charging for services provided by the registration authority if duly authorized by the council board.

A nomination could only be made by national ISO members (DIN for Germany) or ISO liaisons (e.g. IAG).

[Only ISO/TC 211 member National Bodies, and organizations in liaison with ISO/TC 211 may nominate organizations to be ISO/TC 211 registration authorities.]

TECHNICAL SPECIFICATION ISO/TS 19127:2004(E)

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Geographic information — Geodetic codes and parameters

1 Scope

This Technical Specification defines rules for the population and maintenance of registers of geodetic codes and parameters and identifies the data elements, in compliance with ISO 19135, *Geographic information - Procedures for registration of geographical information items* and ISO 19111, *Geographic information - Spatial referencing by coordinates*, required within these registers.

Recommendations for the use of the registers, the legal aspects, the applicability to historic data, the completeness of the registers, and a mechanism for maintenance are specified by the registers themselves.

Questions to solve from 27th of Jan. to 8th of Feb.:

Content of registry? CRS, ITRS

Register or subregister?

Who nominate?

Who is willing to do the work as registration authority? IAG, a consortium of EUREF and EG

Contact with GB, NL, CC, JT, ZA

At 8th Feb. last minute decision: DIN nominate BKG for two registries: CRS-EU and ITRS/ITRF.

CRS-EU is at present a catalogue and information system.

The IERS is preparing a data base for IERS products.

If BKG will be registration authority of ISO/TC211 then both are registries. It has to fulfil ISO 19111, ISO/TS 19127, ISO 19135.

Who is the

winner ?

Who is the

loser ?