



IOGP-Standing Committees

The backbone of IOGP is a network of committees and subcommittees, with dynamic task forces and work groups, each working in their own specialist area



Arctic

The world needs more oil and gas. T Arctic has the potential to provide

Geomatics

Dedicated to identifying and spreading good surveying, geodesy, cartography and coordinate data management practice





RECO.

Health

Working to improve health standards and performance throughout the oil and gas sector



Decommissioning

Addressing the challenges to be faced as any offshore structures come to the end of their operational lives

Legal

Dealing with questions of law and understanding how developments in regulations may impact operations



Environment

Dedicated to identifying and spreading good environmental practice wherever the upstream industry operates



Metocean

Providing insights into applied oceanography and meteorology



Helping safeguard current and future production and ensure that Europe remains open to oil and gas imports from other producing areas



Safety

Promoting the integration of safety into every aspect of daily operations



Security

Providing good security risk management guidance





Subsea installation

Dedicated to improving the safety performance of subsea operations



Standards

Promoting consistent, efficient and effective upstream industry standards the world over



Dedicated to improving the safety performance of wells throughout their full life-cycle





The Geomatics Committee – objectives and activities

Providing global guidance. Publish & maintain:

- EPSG Geodetic Parameter Dataset the de-facto global standard for CRS and geodetic parameters
- Surveying and Positioning guidance notes
- Industry standard position data exchange formats
- GIS data models SSDM, LSDM
- Geospatial Integrity of Geoscience Software, test guidance and data

Liaison with industry standards organisations:

IMCA, SEG, ISO, OGC, Energistics, CAPP

Advocacy with Regulators, Data Repositories

Forum for exchange of experience and knowledge:

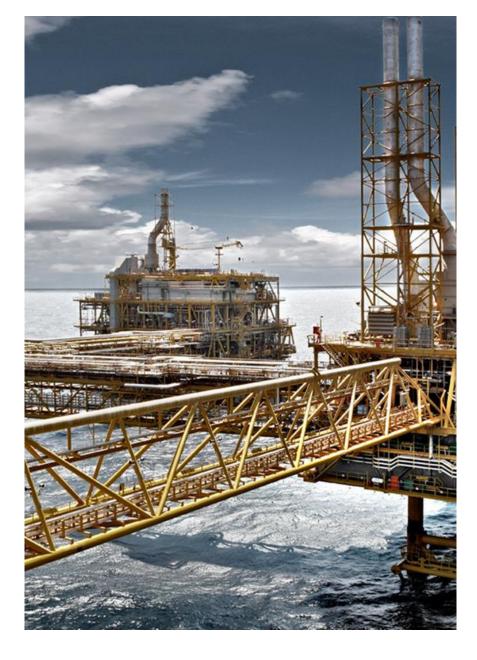
- Biannual committee meetings
- Industry Days
- Active sub-committees and task forces
- Initialisation and support of industry initiatives eg IOGP / IPIECA Oil Spill Response (Common Operating Picture), OGEO Portal



Geomatics C. Subcommittees

- Geodesy
- Geo-Information
- Earth Observation
- Surveying & Positioning
- Geophysical Operations







Current Geomatics C. Task Forces

P-Format updates

- Well Bore Survey Data (P7)
- 3D Seismic Bin Grid (P6)

Data Models

- Seabed Survey Data Model
- Land Survey Data Model

GIGS (working group)

Drilling Hazard Site Survey



IOGP Geomatics Committee Existing Publications

Number	Title	Number	Title
Geodesy Sub-committee		Geo Information Sub-committee	
-	EPSG Registry	-	SSDM V2 - Seabed Survey Data Model (GIS)
373-07-1	Using the the EPSG geodetci parameter dataset	462-01	Guidelines for the use of the Seabed Survey Data Model
373-07-2	Coordinate conversions and transformations including formulae	462-02	Guidelines for the Delivery of the Seabed Survey Data Model
373-07-3	EPSG geodetic prameter registry - developer's guide	462-03	Interface between Pipeline Data Models and the IOGP Seabed Survey Data Model
373-07-4	EPSG geodetic parameter relational database - developers' guide	-	Shell standard mapping symbology legend - green and red options (courtesy of Shell)
		Geophysical Operations Sub-committee	
373-01	Geodetic Awareness	373-18-1	Guidelines for the Conduct of Offshore Drilling Hazard Site Surveys
373-02	Use of bin grids and coordinate reference systems in workstations	373-18-2	Conduct of Offshore Drilling Hazard Site Surveys - Technical Notes
373-03	Contract Area Definition	483-1	P1/11 (v1.1) Geophysical Position data exchange format (final data)
373-04	Use of the ITRF as the reference geodetic system for surveying	483-1u	P1/11 (v1.0) Geophysical Position data exchange format – User Guide
373-05	Coordinate Reference System Definition - recommended practice	483-2	P2/11 (v1.1) Geophysical Position data exchange format (raw data)
373-10	Coordinate Transformations Offshore Norway	483-6	P6/11 (v1.0) Seismic bin grid data exchange format
373-13	Coordinate Transformation Evaluation & Use	-	P6/11 GIS Data Model
373-14	Coordinate Reference Systems in Reserves Unitisation Agreements	483-6g	P6/11 Guidelines for the use of the OGP P6/11 bin grid GIS data model
373-16	Guidelines for the Quality Control of Proposed Well Coordinates	-	Custodians of a number of legacy P-formats (UKOOA, SEG etc)
373-17	Coordinate Transformations in the Gulf of Mexico	Survey & Positioning Sub-committee	
373-20	Coordinate Reference Systems for the Arctic	373-19	Guidelines for GNSS Positioning in the Oil and Gas Industry
373-21	Grid Convergence	-	P5/94 Data Exchange Format – Pipeline Position Data (legacy)
373-22	Geodetic Referencing in Iraq	-	P7/2000 Data Exchange Format for Well Deviation Data (legacy)
373-23	Web Mercator	Geospatial Integrity of Geoscience Software (GIGS)	
-	Guidance on the use of Coordinate Systems in Data Management on the UKCS (legacy)	430-1	Part 1 – Guideline Describing the GIGS Process.
Earth Observation Sub-committee		430-2	Part 2 – Software Review Checklist to Enable Structured Testing of Geoscience Software.
-	Oil & Gas Earth Observation Portal - JV (http://www.ogeo-portal.eu)	430-3	Part 3 – User Guide for the GIGS Test Dataset



2016 Highlights

- Ongoing updates to EPSG registry regular sub-committee meetings
- Published guideline on Web Mercator Coordinate Reference System
- Input to SEG updates SEG D v3.1 and SEG Y v2.0 seismic data exchange formats (positioning / CRS elements)
- Regulatory advice on Drilling Hazard Site Survey Guidelines US, Trinidad, Egypt, UK
- Webinar on DHSS Guidelines and updated Seismic P-formats
- Contract Boundary geodetic awareness session with IOGP Legal Committee
- Joint IOGP, IMCA, THIS Industry Day (Aberdeen)
- Progressed SSDM V2 and V1.1 of P6/11 and P-format User Guides



2017 Workscope

- Publish Guidance Note on Vertical CRSs (draft out for comment) and revision of Guidance Note 4 (Use of ITRF)
- Revision of Guidance Note 19 (GNSS Positioning) joint with IMCA
- SSDM V2 (published)
- LSDM V1 (nearing completion)
- P6/11 V1.1 (draft out for comment)
- P1/11 User Guide update and P6/11 User Guide (drafts nearing completion)
- P7 position data standard update (started)
- Participate in NDR Conference Geomatics Standards breakout session, Stavanger (June)
- Geomatics Industry Day, Stavanger (this event)
- EPSG database updates (ongoing)



IOGP Geomatics Committee

- Guidance Notes, Guidelines, data models, data exchange formats and Geodetic Parameter Dataset available from:
 - http://www.epsg.org
 - http://www.iogp.org/bookstore
 - http://www.iogp.org/Geomatics





For more information please contact:

Lucyna Kryla-Straszewska lks@iogp.org

www.iogp.org

Registered Office

City Tower
40 Basinghall Street 14th Floor
London EC2V 5DE
United Kingdom
T +44 (0)20 3763 9700
F +44 (0)20 3763 9701

Brussels Office

Bd du Souverain,165 4th Floor B-1160 Brussels Belgium T +32 (0)2 566 9150 F +32 (0)2 566 9159

Houston Office

10777 Westheimer Road Suite 1100 Houston, Texas 77042 United States T +1 (713) 470 0315

reception@iogp.org