

The DHyG-Accredited Hydrographer -first steps and evaluations-

(in German: DHyG-Anerkannter Hydrograph)

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IHO M-5

4. GUIDELINES FOR RECOGNITION OF INDIVIDUALS

- The Board does not provide recognition to individuals.

4.1 Individual recognition

- National organizations and academic institutions may recognize individuals.

2.6 Experience

- both education and experience
- at least two years field experience: minimum level of competence

DHyG



**STANDARDS OF COMPETENCE
for
Hydrographic Surveyors**
M-5
Tenth Edition, 2008

Guidance and Syllabus for Educational and Training Programmes

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Comments arising from the experience gained in the application of the guidance and syllabus are welcome. They should be addressed to the Chairman of the International Board at the above address. This document is published periodically. Please check with IHO for the latest edition, including current amendments. Please consult the companion IHO publication M-6 'Reference Texts for Training in Hydrography', available from the IHO.

The German Hydrographic Society Deutsche Hydrographische Gesellschaft (DHyG)

HCU



- founded in 1984
- Non-governmental, **non-profit**, independent
- promotes practical and scientific hydrography as well as national and international cooperation in this field.
- **Provides support for persons employed in hydrography and for beginners**
- To achieve these goals, the DHyG
 - publishes information in its periodical *Hydrographische Nachrichten*
 - holds conferences, seminars and other events,
 - cultivates contacts with related disciplines,
 - offers member companies a forum for international contacts, and
 - arranges advice by its members for the planning and completion of hydrographic projects.
- Member of the International Federation of Hydrographic Surveyors (IFHS)
- Good relationship to DVW (Bremer Erklärung 2008) => DVW FIG-member

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History of DHyG-Accredited Hydrographer

HCU

HafenCity Universität
Hamburg

2004

- After intensive discussions the DHyG-Advisory Board (Dieter Seefeldt, Hamburg Port Authority) propose to the Board the establishment of a commission to certify a “Consulting Hydrographer”
 - With guiding principles and proposal for a signet

31.03.2006

- 1st meeting of the Acceptance Commission
 - Consisting of 6 persons

Acceptance Commission

- 6 DHyG – members
 - Authorities
 - Lutter (Water and Shipping Authority)
 - Marske (Ports)
 - Hydrographic Companies
 - Jeuken (FUGRO / OSAE)
 - Manufacturer (Sales and Developing)
 - Dr. Fahrentholz (Fahrentholz Echosounder)
 - Könnecke (ATLAS)
 - Academic Education, Research
 - Dr. Böder (HafenCity University, HCU)
 - English spoken CAT-A course

First steps

- Policy
 - Only 3 pages, in order not to stress the procedure
- Application formula
 - Questionnaire (5 pages)
- Evaluation Matrix
 - Must be filled out by each referee (commission member) indepently
 - Up to now not open to the public
- Pricing
 - 100 Euro (150AUS \$, 140 US \$) for DHyG members
 - 50 Euro (75AUS \$, 70 US \$) for extension after 5 years
 - 350 Euro (525AUS \$, 490 US \$) for Non-DHyG members
 - 350 Euro for extension after 5 years

Application - Questionnaire

- Education
- Profession
- Company
- Function
- Professional Experiences
- Competence in Research&Development
- Competence in Education
- Further Education (courses, seminars, life long learning)
- Publications
- Activities in professional societies

Evaluation Matrix - examples

Education (Hydrography related)

- 20 PhD in Hydrography
- 15 CAT-A absolvent
- 12 M.Sc. in related field
- 10 B.Sc. in related field

Max. 20 points possible

Professional Experiences (Hydrography related, for full points 5 years experiences)

- 10 Managing Director
- 15 Project leader
- 05 Measurement
- 10 Processing
- 15 Sales / Support

Highest and 2nd highest value
=> Maximum 30 points possible

Evaluation : max. values

- 20 Education
 - Profession
 - Company
- 30 Function / Professional Experiences
- 20 Competence in Research&Development
- 15 Competence in Education
- 10 Further Education (courses, seminars, life long learning)
- 15 Publications
- 5 Activities in professional societies

115 Maximum possible points, nearly not reachable
Threshold : around 50 points

Process

Free download of policy and application formula from internet

Candidate send the application to the DHyG - executive board
 (pricing, contact to the candidate)

Executive Board send the application to the referees

Referees deliver their expert opinion to the head of the commission

Head concluded all opinion to a first result

No doubts

Head of Commission:
 Send final result to referees

Doubts

Head invites for commission meeting
 Meeting: individual results will be discussed
 final result

Head of Commission: Send information to executive board
 Executive board send information and –if successful- a certificate to candidate
 (if not successful, candidate may complete the application)

Results

- 1st application in June 2009
- Until now
 - 2 accepted (around 50 points)
 - 2 Engineers
 1. One man bureau
 2. Hydrographic project leader in dredging company
both not CAT-A
 - 1 rejected (around 35 points)
 - Technician, mostly working in the field
 - 437 clicks to the application formula (April 2010)
- First tenders referenced the DHyG-Accreditation as possible (!) proof for hydrographic competence

The Certificate

- authorizes to hold the title “DHyG-Accredited Hydrographer” and the signet
- Limited to 5 years
- Exclusive awarded from DHyG
- The DHyG recognizes the competence of the candidate.



URKUNDE

Die Deutsche Hydrographische Gesellschaft e.V. verleiht

Herrn Max Mustermann

den Titel »DHYG-Anerkannter Hydrograph«.



Diese Urkunde berechtigt zum Führen des Titels »DHYG-Anerkannter Hydrograph« und zum Gebrauch des oben gezeigten Siegels.
Die Verleihung ist begrenzt auf 5 Jahre ab dem Ausstellungsdatum.
Der Titel wird ausschließlich durch die Deutsche Hydrographische Gesellschaft e.V. (DHYG) vergeben. Die DHYG erkennt damit ausdrücklich die Kompetenz des oben genannten Hydrographen an.

Hamburg, am 31.09.2009

Holger Klindt
1. Vorsitzender

Ausschussleiter

Thomas Dehling
2. Vorsitzender

Conclusions

4. GUIDELINES FOR RECOGNITION OF INDIVIDUALS

- The Board does not provide recognition to individuals.

4.1 Individual recognition

- National organizations and academic institutions may recognize individuals.
 - DHyG
 - one professor from the HafenCity University Hamburg (english spoken CAT-A) is member of the commission.

2.6 Experience

- both education and experience
- at least two years field experience: minimum level of competence
 - 5 years for full points



Conclusions

- First step
 - Next steps
 - Gain experiences with the evaluation matrix => Optimization
 - Feedback
 - Ask for experiences of accredited persons and "their customers"
 - Analyze other solutions worldwide
 - Future possible developments
 - Analyze the quality of the work of the candidate => company
 - Not in concurrence to ISO (but ISO certification could be a quality attribute)
 - More detailed analyzing of example projects
 - Distinction between A - and B – Hydrographers
 - The "rejected candidate" could be a good B – Hydrographer
 - Problem: time and effort is rising
 - Voluntary and unsalaried nearly impossible (?)
- Next Presentation ?
FIG workgroup ?

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Geomatics, related fields, ...)

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Questions?
Thank you for your attention.

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