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# ORGANISATION HYDROGRAPHIQUE INTERNATIONALE

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### **DATA QUALITY WORKING GROUP**

[A working group of the Hydrographic Services and Standards Committee (HSSC)]

Chair: Rogier Broekman (NL)
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Ministry of Defense
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Netherlands

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**DQWG Letter: 05/2018** 

Date: 05 Dec 2018

### <u>Subject: Invitation to attend the Data Quality Working Group meeting 14</u> <u>Monaco, 5-8 February 2019</u>

Dear Working Group Member,

**1.** At HSSC-10 held in Rostock-Warnemünde, Germany from 14<sup>th</sup> to 17<sup>th</sup> of May 2018, the following decisions were made:

**HSSC10/09**: HSSC endorsed the S-100 Product Specification Guidebook and agreed to include it within the S-100 work plan. HSSC assigned S-97 to the product specification guidebook.

**HSSC10/36**: HSSC agreed that the level of authority of Data Quality Checklist for Product Specifications is a recommendation, which can be adapted as necessary by WGs, under the condition that it will not create any potential interoperability issue. S-100WG to include this guidance in S-97.

**HSSC10/37**: HSSC WGs and PTs' Chairs to keep the DQWG informed on the DQWG recommendations related to Data Quality that have not been taken into account in the development of their Product Specifications [so the DQWG does not need to reiterate these recommendations at periodic reviews] S-100WG to include this guidance in S-97.

**HSSC10/45**: HSSC endorsed the proposed new title for the draft Publication S-67 as "Mariners Guide to the Accuracy of Depth Information in Electronic Navigational Charts."

**HSSC10/46**: HSSC Chair to report to IRCC on the possibility for the RHCs Members to share their best practices on the population of CATZOC values through the DQWG.

**HSSC10/47**: DQWG to pursue the develop the conditional visualization methodology of quality of bathymetric data in liaison with NCWG, NIPWG, ENCWG, S-101PT.

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- **2.** Based on these decisions I would like to invite you to the next Data Quality Working Group meeting. The 14<sup>th</sup> meeting of the Data Quality Working Group will be held at the IHO office, 4<sup>b</sup> quai Antoine I<sup>er</sup>, B.P. 445, MC 98011 Monaco CEDEX, Principaute de Monaco.
- 3. You will find logistics information and the draft agenda <u>here</u>.
   (<u>www.iho.int</u> > IHO Council, Committees & WG > DQWG > Next Meeting > Documents)
   For your convenience the draft agenda and logistics information are enclosed with this invitation.
- **4.** During 2018 the DQWG has worked by correspondence on the following items:
  - 01/2018: Development of Data Quality Checklist for Product Specification developers;
  - 02/2018: Methodology for the display of quality information;
  - 03/2018: S-67 Mariner's guide to the accuracy of depth information in an ENC;
  - 04/2018: S-97 Guidance for Product Specification developers Part C Data Quality.

I would like to thank all who have contributed to these results. The outcome will be discussed at the meeting.

- **5.** AU, FR, NL and US have shared their national methodologies: from survey to CATZOC data. I would like to invite all members to share their national methodologies at the next meeting. You will find the results at <a href="www.iho.int">www.iho.int</a> > IHO Council, Committees & WG > DQWG > Reference Documents. To assist in this procedure, paper DQWG14-04A has been enclosed as separate attachment.
- **6.** The concept of horizontal and vertical uncertainty (data quality measure) takes a prominent position in various IHO existing Standards and those under development. Paper DQWG14-05D is an informative paper describing the need for positional data quality within the marine environment. Please find this paper enclosed as separate attachment. I would like to encourage you to share this as you may seem fit within your organization in preparation of the meeting.

Yours sincerely,

Rogier Broekman Chair DQWG

Enclosures: Annex A – Terms of Reference

Annex B - Draft Agenda

Annex C – Logistics Information

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ANNEX A - Terms of Reference

### **DATA QUALITY WORKING GROUP (DQWG)**

#### **Terms of Reference**

Ref: 1) 1st HSSC Meeting (Singapore, October 2009)

2) 9th HSSC Meeting (Ottawa, Canada) (Full revision)

### 1. Objective

To ensure that the data quality aspects are addressed in an appropriate and harmonized way for all S-100 based product specifications.

### 2. Authority

This WG is a subsidiary of the Hydrographic Services and Standards Committee (HSSC). Its work is subject to HSSC approval.

### 3. Procedures

a. HSSC requires DQWG to provide advice on data quality aspects to all Working Groups (WGs) and Project Teams (PTs) developing S-100 based product specification.

### b. The WG should:

- i. Develop and maintain a data quality checklist for product specification developers;
- Periodically review S-100 based product specifications to ensure the data quality aspects have been taken into consideration and provide input papers for WGs and PTs consideration if deemed necessary;
- iii. Monitor periodically developments of ISO and other international standards regarding quality information, and advise the S-100WG accordingly;
- iv. Provide guidance on data quality aspects to hydrographic offices, in particular to ensure harmonized implementation;
- v. Provide data quality educational material for the use of mariners;
- vi. Review appropriate methodology for the display of quality information to product specification developers;
- vii. Propose new data quality topics for consideration by HSSC.
- c. The WG should work by correspondence, group meetings, workshops or symposia. Permanent or temporary sub-working groups may be created by the WG to undertake detailed work on specific topics such as: quality indicators for hydrographic data, tidal information, etc. The WG should meet as necessary. When meetings are scheduled, and in order to allow any WG submissions and reports to be submitted to HSSC on time, WG meetings should not normally occur later than nine weeks before a meeting of the HSSC.

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d. The WG should liaise with other relevant HSSC WG's and other IHO bodies, and international bodies as appropriate and as instructed by HSSC.

### 4. Composition and Chairmanship

- a. The WG shall comprise representatives of IHO Member States (M/S), Expert Contributors and Accredited NGIO Observers.
- b. Decisions should generally be made by consensus. If votes are required on issues or to endorse proposals presented to the WG, only M/S may cast a vote. Votes shall be on the basis of one vote per M/S represented.
- c. Expert Contributor membership is open to entities and organisations that can provide a relevant and constructive contribution to the work of the WG.
- d. The Chair and Vice-Chair shall be a representative of a Member State. The election of the Chair and Vice-Chair shall be decided at the first meeting after each ordinary session of the Assembly and shall be determined by vote of the Member States present and voting.
- e. If the Chair is unable to carry out the duties of the office, the Vice-Chair shall act as the Chair with the same powers and duties.
- f. Expert Contributors shall seek approval of membership from the Chairman.
- g. Expert Contributor membership may be withdrawn in the event that a majority of the M/S represented in the WG agree that an Expert Contributor's continued participation is irrelevant or unconstructive to the work of the WG.
- h. All members shall inform the Chairman in advance of their intention to attend meetings of the WG.

In the event that a large number of Expert Contributor members seek to attend a meeting, the Chairman may restrict attendance by inviting Expert Contributors to act through one or more collective representatives.

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Annex B – Draft Agenda

Data Quality Working Group meeting 14 Tuesday 5<sup>th</sup> to Friday 8<sup>th</sup> of February 2019 IHO Secretariat, Monaco

The meeting will start at 09.00h and finish at 17.30h on Tuesday, Wednesday and Thursday. On Friday the meeting will end at 12.00h.

Coffee breaks at 10.30 and 15.00 daily. Lunch breaks 12.30-14.00 daily.

Document	Agenda	Item/Document Title	Lead	Time			
Prefix no.	item						
TUESDAY 5 <sup>™</sup> FEBRUARY							
		Registration					
	1. Opening and administrative arrangements						
DQWG14-	1a	Welcome and organizational	Chair, DTech				
		arrangements	(tbc) All				
DQWG14-	1b	Introduction by members and meeting expectations	Chair, All				
DQWG14-	1c	Adoption of the agenda - Program outline	Chair				
	2. Matters relating to upper IHO bodies						
DQWG14-	2a	DQWG Report and Presentation to HSSC-	Chair, IHO				
		10.	Sec.				
		HSSC-10 Report and List of Decisions and					
		Actions.					
DQWG14-	2b	IHO Council (C-2 Report)	IHO Sec				
	2.5	DOWG					
50111011	3. Previous DQWG meeting and status of actions						
DQWG14-	3a	DQWG-13 Minutes	Chair				
DQWG14-	3b	Status of Actions from DQWG-13	Chair				
	4. Harmonization of Data Quality						
DQWG14-	4a	From survey data to CATZOC values	Chair, All				
DQWG14-	4b	Aggregation of Data Quality Indicator	Chair				
	5. Data Quality Checklist						
DQWG14-	5a	S-97 Guidance for Product Specification	Chair				

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		Developers – Part C Data Quality		
DQWG14-	5b	DQWG Comment form Letter 01/2018	Chair	
DQWG14-	5c	DQWG Comment form Letter 04/2018	Chair	
DQWG14-	5d	Data Quality – a shared interest between	Chair	
		chart producer and user		
	6. Guid	dance on Data Quality aspects		
DQWG14-	6a	Development of a new guidance	Chair	
		document for HO's		
DQWG14-	6b	Guidance document – how to allocate	Chair	
		Quality of Bathymetric Data values		
DQWG14-	6c	Usage of source diagram and/or CATZOC	Chair	
		in paper charts		
WEDNESDA				
	7. Data	Validation in S-1xx		
DQWG14-	7a	Method to harmonize data quality	Chair	
		aspects for all S-1xx based Product		
		Specifications		
DQWG14-	7b	Review PS of S-101 on data quality	Chair, IHO	
		aspects	Sec.	
DQWG14-	7c	Review PS of S-102 on data quality	PRIMAR	
		aspects		
DQWG14-	7d	Review PS of S-111 on data quality	Chair	
		aspects		
DQWG14-	7e	Review PS of S-121 on data quality	Chair	
		aspects		
DQWG14-	7f	Review PS of other available S-1xx on	Chair	
		data quality aspects		
DQWG14-	7g	S-58 standard for Data Validation	Chair	
THURSDAY	_			
5011/01/1		hodology for the display of quality information		-1
DQWG14-	8a	Draft Methodology	Chair	
DQWG14-	8b	DQWG comment form Letter 02/2018	Chair	
DQWG14-	8c	Proposal for new method to display	Chair	
		quality information		
	0.5.	Overlier Education at Earth and Co.		
DOWESTA	+	Quality Educational for the use of mariners	Mina Chair	1
DQWG14-	9a	S-67 Mariners Guide to accuracy of	Vice-Chair,	
DOMESTA	Ola	depth information in an ENC	All	
DQWG14-	9b	Comments form Letter 02/2018	Vice-Chair,	

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			All			
DQWG14-	9c	Delivery of S-67 draft to HSSC-11	IHO Sec.			
	10. Rel	ations with other working groups				
DQWG14-	10a	S-100WG	Powell			
DQWG14-	10b	NCWG	Hovi			
DQWG14-	10c	NIPWG	Schröder-			
			Fürstenberg			
DQWG14-	10d	TWCWG	Jan			
DQWG14-	10e	ENCWG	Mellor			
DQWG14-	10f	S-101 PT	Armstrong			
DQWG14-	10g	HSPT	Vrignaud			
DQWG14-	10h	S-121 PT	Alcock			
DQWG14-	10i	UKCM-PT	Lemon			
DQWG14-	10j	MSDIWG	Hartman			
FRIDAY 8th I	EBRUAR	Υ				
	11. Inte	ernational standards for Data Quality				
DQWG14-	11a	ISO		09.00-09.10		
DQWG14-	11b	OGC		09.10-09.20		
DQWG14-	11c	Others (Inspire, UN-GGIM)		09.20-09.25		
	12. HSS					
DQWG14-	12a	Review of decisions and actions		09.25-09.45		
DQWG14-	12b	DQWG work plan update		09.45-10.15		
DQWG14-	12c	Key priorities/risks/issues		10.30-11.00		
DQWG14-	12d	Funding request to HSSC		11.00-11.15		
DQWG14-	12e	Task assignment among DQWG members		11.15-11.45		
	13. Informative papers					
DQWG14-	13a	Marine Incidents: Grounding of "Nova Cura" Report				
DQWG4-	13b	Marine Incidents: Grounding of "Universal Durban"				
MEETING EI	NDS					

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Annex – C Logistics Information

#### 1. Meeting Venue and Dates

The meeting will take place in the main conference room at the Secretariat of the International Hydrographic Organization located at:

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Further information on the location of the IHB is available from the IHO website at: www.iho.int > Home > Visiting the IHO Secretariat

### 2. Contact information

Contact Person: Yves GUILLAM Telephone: +377 93 10 81 04

Email: adcs@iho.int or yves.guillam@iho.int

#### 3. Hotel Information

Details of hotels existing in the Monaco area are available on the IHO website at:

www.iho.int > Home > Visiting the IHO Secretariat

Most of the hotels are within close walking distance of the railway station (when you come from the airport), and of the IHO Secretariat.

For previous meetings, participants have made reservations at:

- Hotel de France
- Hotel Forum
- Hotel Ambassador
- Hotel Novotel

but there are many others if you wish.

#### 4. Local Travel Information

For information about travelling from Nice Airport to Monaco, please see the IHO web site at:

www.iho.int > Home > Visiting the IHO Secretariat

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### 5. Registration

Please use the IHO on-line registration system on the DQWG13 documents page to register for the meeting and/or the workshop<sup>1</sup>. All delegates should register by **22 January 2019**.

### 6. Lunch – Dinner

Lunch and dinner can be taken in local restaurants on one's own account (~ 30 €).

### 7. Electricity –plug and socket

Electrical voltage is 230V, 50 Hz. Plugs Type A or B





### 8. Contact

Assistance can be provided as needed by the IHO Secretariat, please contact Ms Lorène Chavagnas (info@iho.int), (+377) 93 10 81 00.

<sup>&</sup>lt;sup>1</sup> Two steps: you need to request for a user account (type your own ID and password) if you don't have one already, then you need to register in the selected event.