

**14<sup>th</sup> CHRIS MEETING**  
**15-17 August 2002, Shanghai, China**

**MEMBERSHIP OF CHRIS RELATED WORKING GROUPS (Aug. 2002)**

\*\* = **Chairman of WG/Committee**  
 \* = **Secretary of WG/Committee**

Country	Name	TAWG	C&SMWG	TSMAD	DQWG	SNPWG	CSPCWG	Email
Argentina	Capt. R. ECUSQUIZA					x		<a href="mailto:dhidro@hidro.gov.ar">dhidro@hidro.gov.ar</a>
Australia	Cdr. Robert E. WARD Mr. Chris ROBERTS Mr. Ian KENNEDY	x	x	x	x		x	<a href="mailto:robert.ward@hydro.gov.au">robert.ward@hydro.gov.au</a> <a href="mailto:Chris.Roberts.31154467@navy.gov.au">Chris.Roberts.31154467@navy.gov.au</a> <a href="mailto:ian.kennedy@defence.gov.au">ian.kennedy@defence.gov.au</a>
Bahrain	Mr. Ole GRAVGAARD					x		<a href="mailto:gravgard@batelco.com.bh">gravgard@batelco.com.bh</a>
Belgium	Mr. Marc ROESBEKE			x				<a href="mailto:Marc.Roesbeke@lin.vlaanderen.be">Marc.Roesbeke@lin.vlaanderen.be</a>
Brazil	Cdr. Roberto Figueira CARVALHO Mr. Heraldo Soares CALDEIRA					x	x	<a href="mailto:01@dhn.mar.mil.br">01@dhn.mar.mil.br</a> <a href="mailto:22@dhn.mar.mil.br">22@dhn.mar.mil.br</a>
Canada	Mr. Mike EATON Mr. Steve GRANT Mr. Mike CASEY Mr. Don VACHON Mr. Dave JACKSON Mr. Brent BEALE	x**	x x  x	x	x	x	x	<a href="mailto:mike.eaton@ns.sympatico.ca">mike.eaton@ns.sympatico.ca</a> <a href="mailto:enci@ns.sympatico.ca">enci@ns.sympatico.ca</a> <a href="mailto:CaseyM@dfo-mpo.gc.ca">CaseyM@dfo-mpo.gc.ca</a> <a href="mailto:VachonDon@dfo-mpo.gc.ca">VachonDon@dfo-mpo.gc.ca</a> <a href="mailto:JacksonD@dfo-mpo.gc.ca">JacksonD@dfo-mpo.gc.ca</a> <a href="mailto:BealeB@dfo-mpo.gc.ca">BealeB@dfo-mpo.gc.ca</a>
Chile	LtCdr. Juan CÚNEO (to be nominated)					x	x	<a href="mailto:jcuneo@shoa.cl">jcuneo@shoa.cl</a> <a href="mailto:shoa@shoa.cl">shoa@shoa.cl</a>
Croatia	Mr. Radovan SOLARIĆ						x	<a href="mailto:dhi-office@dhi.tel.hr">dhi-office@dhi.tel.hr</a>
Cuba	Lt. Cdr. I. SOSA Chango Cdr. Rolando FEITO SARDUY					x	x	<a href="mailto:geocuba@geocuba.get.cma.net">geocuba@geocuba.get.cma.net</a> <a href="mailto:geocuba@teleda.get.tur.cu">geocuba@teleda.get.tur.cu</a>
Denmark (KMS)	Mr. Carsten RIISE-JENSEN Ms. Hanne BERG			x			x	<a href="mailto:cr@kms.dk">cr@kms.dk</a> <a href="mailto:hnb@kms.dk">hnb@kms.dk</a>
Estonia	Mr. Tõnis SIILANARUSK Mr. Andry RÜTKINEN			x		x		<a href="mailto:tonis@vta.ee">tonis@vta.ee</a> <a href="mailto:andry@adam.enmb.ee">andry@adam.enmb.ee</a>
Finland	Mr. Jorma TIMONEN Ms. Tiina TUURNALA Mr. Risto REKIMIES			x x				<a href="mailto:Jorma.Timonen@fma.fi">Jorma.Timonen@fma.fi</a> <a href="mailto:Tiina.Tuurnala@fma.fi">Tiina.Tuurnala@fma.fi</a> <a href="mailto:Risto.Rekimies@fma.fi">Risto.Rekimies@fma.fi</a>

Country	Name	TAWG	C&SMWG	TSMAD	DQWG	SNPWG	CSPCWG	Email
France	Ing. en chef Jean-Luc DENIEL Ing. Olivier PARVILLERS Mr. Guy UGUEN Ing. en chef Jean-Louis BOUET-LEBOEUF Mr. Pol LE BIHAN				x		x	<a href="mailto:deniel@shom.fr">deniel@shom.fr</a> <a href="mailto:parville@shom.fr">parville@shom.fr</a> <a href="mailto:uguen@shom.fr">uguen@shom.fr</a> <a href="mailto:bouet@shom.fr">bouet@shom.fr</a>  <a href="mailto:lebihan@shom.fr">lebihan@shom.fr</a>
Germany	Mr. Horst HECHT Mr. Johannes MELLES Dr. Mathias JONAS Mr. Peter HANNKEN	x	x	x	x	x**	x	<a href="mailto:Horst.Hecht@bsh.d400.de">Horst.Hecht@bsh.d400.de</a> <a href="mailto:Johannes.Melles@bsh.d400.de">Johannes.Melles@bsh.d400.de</a> <a href="mailto:Mathias.Jonas@bsh.d400.de">Mathias.Jonas@bsh.d400.de</a> <a href="mailto:Peter.Hannken@bsh.d400.de">Peter.Hannken@bsh.d400.de</a>
Greece	Ms. Leda STAMOU						x	<a href="mailto:info_hnhs@hellenicnavy.gr">info_hnhs@hellenicnavy.gr</a>
India	Dr. Satya PRAKASH SHARMA Lt. Cdr. M. JOSHI					x	x	<a href="mailto:nho@sancharnet.in">nho@sancharnet.in</a> <a href="mailto:nho@sancharnet.in">nho@sancharnet.in</a>
Indonesia	Mr. Nyoman ARINU S						x	<a href="mailto:infohid@indo.net.id">infohid@indo.net.id</a>
Italy	Mr. Carlo DARDENGO						x	<a href="mailto:Maridrografico.ge.sre@marina.difesa.it">Maridrografico.ge.sre@marina.difesa.it</a>
Japan	Mr. Toru KAJIMURA Mr. Takayuki KAWAI Mr. Masafumi NISHIGUCHI Dr. Masakazu TSUCHIDE			x	x	x	x	<a href="mailto:Toru-Kajimura@kaiho.mlit.go.jp">Toru-Kajimura@kaiho.mlit.go.jp</a> <a href="mailto:Takayuki-Kawai@kaiho.mlit.go.jp">Takayuki-Kawai@kaiho.mlit.go.jp</a> <a href="mailto:Masafumi-Nishiguchi@kaiho.mlit.go.jp">Masafumi-Nishiguchi@kaiho.mlit.go.jp</a> <a href="mailto:Masakazu-Tsuchide@kaiho.mlit.go.jp">Masakazu-Tsuchide@kaiho.mlit.go.jp</a>
Korea, Rep. of	Mr. CHOI					x		<a href="mailto:choish@nori.go.kr">choish@nori.go.kr</a>
Netherlands	Mr. René van GEESBERGEN Mr. Denis VAN DER HEUL Mr. Maarten de GRAAF	x				x	x	<a href="mailto:support@hydro.nl">support@hydro.nl</a> <a href="mailto:info@hydro.nl">info@hydro.nl</a> <a href="mailto:info@hydro.nl">info@hydro.nl</a>
New Zealand	Mrs. Carol KOHL Mr. Michael FARRELL			x			x	<a href="mailto:ckohl@linz.govt.nz">ckohl@linz.govt.nz</a> <a href="mailto:mfarrell@linz.govt.nz">mfarrell@linz.govt.nz</a>
Norway (NHS)	Mrs. Lynn KOLBEINSON			x				<a href="mailto:KolbeinL.@statkart.no">KolbeinL.@statkart.no</a>
Poland	Lt. Cdr. Andrej KOWALSKI					x		<a href="mailto:bhmw@mw.mil.pl">bhmw@mw.mil.pl</a>
Russia	Capt. GLASKO Capt. SOBOLEV Capt. BONAKOV Capt. Valery D. FOMCHENKO		x	x		x	x	<a href="mailto:gunio@chartpilot.ru">gunio@chartpilot.ru</a> <a href="mailto:gunio@chartpilot.ru">gunio@chartpilot.ru</a> <a href="mailto:gunio@chartpilot.ru">gunio@chartpilot.ru</a> <a href="mailto:gunio@homepage.ru">gunio@homepage.ru</a>
South Africa	Mr. Sydney OSBORNE Mr. malcolm NELSON			x			x	<a href="mailto:hydrosan@iafrica.com">hydrosan@iafrica.com</a> <a href="mailto:hydrosan@iafrica.com">hydrosan@iafrica.com</a>
Spain	Lt. Cdr. Angel CHANS Mr. Guillermo GARCIA			x			x	<a href="mailto:ihmesp@retemail.es">ihmesp@retemail.es</a> <a href="mailto:ihmesp@retemail.es">ihmesp@retemail.es</a>
Sweden	Mr. Göran NORDSTRÖM Mr. Hans Åke PETTERSSON	x		x				<a href="mailto:Goran.Nordstrom@sjofartsverket.se">Goran.Nordstrom@sjofartsverket.se</a> <a href="mailto:HApettersson@sjofartsverket.se">HApettersson@sjofartsverket.se</a>

Country	Name	TAWG	C&SMWG	TSMAD	DQWG	SNPWG	CSPCWG	Email
UK	Dr. Chris DRINKWATER Mr. Barrie GREENSLADE Mr. Richard COMBES Mr. Mike PERRING Mr. Peter COX Ms. Elizabeth DUNN		x	x** x		x	x** x*	<a href="mailto:Chris.Drinkwater@ukho.gov.uk">Chris.Drinkwater@ukho.gov.uk</a> <a href="mailto:Barrie.Greenslade@ukho.gov.uk">Barrie.Greenslade@ukho.gov.uk</a> <a href="mailto:Richard.Combes@ukho.gov.uk">Richard.Combes@ukho.gov.uk</a> <a href="mailto:Mike.Perring@ukho.gov.uk">Mike.Perring@ukho.gov.uk</a> <a href="mailto:Peter.Cox@ukho.gov.uk">Peter.Cox@ukho.gov.uk</a> <a href="mailto:Elizabeth.Dunn@ukho.gov.uk">Elizabeth.Dunn@ukho.gov.uk</a>
USA (NIMA)	RAdm Christian ANDREASEN Mr. Michael O'LOUGHLIN Mr. Tim DOHERTY Mr. Randy G. WHITE Mr. Dave TURNBULL Mr. Rex BUCKLEY		x	x x	x	x	x	<a href="mailto:AndreasenC@nima.mil">AndreasenC@nima.mil</a> <a href="mailto:OloughlM@nima.mil">OloughlM@nima.mil</a> <a href="mailto:DohertyT@nima.mil">DohertyT@nima.mil</a> <a href="mailto:WhiteRG@nima.mil">WhiteRG@nima.mil</a> <a href="mailto:TurnbullD@nima.mil">TurnbullD@nima.mil</a> <a href="mailto:BuckleyR@nima.mil">BuckleyR@nima.mil</a>
USA (NOAA)	Mr. Dave ENABNIT Mr. Mike BROWN Mr. Oren E. STEMBEL Mr. Erich FREY			x x		x	x	<a href="mailto:Dave.Enabnit@noaa.gov">Dave.Enabnit@noaa.gov</a> <a href="mailto:Mike.Brown@noaa.gov">Mike.Brown@noaa.gov</a> <a href="mailto:Oren.Stembel@noaa.gov">Oren.Stembel@noaa.gov</a> <a href="mailto:Erich.Frey@noaa.gov">Erich.Frey@noaa.gov</a>
USA (USCG)	Mr. Jim RADICE		x	x				<a href="mailto:JRadice@navcen.uscg.mil">JRadice@navcen.uscg.mil</a>
IHB	RAdm. Neil GUY Ing. en chef Michel HUET Mr. Tony PHARAOH		x	x*	x**	x	x	<a href="mailto:dir1@ihb.mc">dir1@ihb.mc</a> <a href="mailto:pac@ihb.mc">pac@ihb.mc</a> <a href="mailto:pad@ihb.mc">pad@ihb.mc</a>

OBSERVERS								
Institution	Name	TAWG	C&SMWG	TSMAD	DQWG	SNPWG	CSPCWG	Email
MIO & OEF	Dr. Lee ALEXANDER		x					<a href="mailto:Lee.Alexander@unh.edu">Lee.Alexander@unh.edu</a>
PRIMAR-Stavanger	Mr. Robert SANDVIK	x		x				<a href="mailto:Robert.Sandvik@primar.org">Robert.Sandvik@primar.org</a>
IC-ENC	Mr. Mike BISSET			x				<a href="mailto:Mike.Bisset@ic-enc.org">Mike.Bisset@ic-enc.org</a>

## ACRONYMS

<b>CHRIS</b>	=	Committee on Hydrographic Requirements for Information Systems
<b>CSPCWG</b>	=	Chart Standardization and Paper Chart Working Group
<b>C&amp;SMWG</b>	=	Colours & Symbols Maintenance Working Group
<b>DQWG</b>	=	Data Quality Working Group
<b>FRV</b>	=	Farvandsvæsenet (Denmark)
<b>IC-ENC</b>	=	International Centre for ENC
<b>KMS</b>	=	Kort & Matrikelstyrelsen (Denmark)
<b>MIO</b>	=	Marine Information Objects
<b>NHS</b>	=	Norwegian Hydrographic Service
<b>NIMA</b>	=	National Imagery and Mapping Agency (USA)
<b>NOAA</b>	=	National Oceanic and Atmospheric Administration (USA)
<b>OEF</b>	=	Open ECDIS Forum
<b>PRIMAR</b>	=	European ENC Coordinating Centre
<b>SNPWG</b>	=	Standardization of Nautical Publications Working Group
<b>TAWG</b>	=	Technology Assessment Working Group
<b>TSMAD</b>	=	Transfer Standard Maintenance and Applications Development Working Group