

**International Association of Classification
Societies (IACS)**

**FSA of Bulk Carriers
Fore-end Watertight Integrity**

**Annex 7
Names and Credentials**

| Name/ Nationality/ | Academic and Professional Attainment and Professional Experience Summary |
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| DNV staff: | |
| Eknes, Monika L. Norwegian | <p>1997: Dr. ing. NTNU, Subject of thesis "Escalation Scenarios Initiated by Gas Explosions on Offshore Installations".</p> <p>1992: Master of Science in Structural Engineering, NTH.</p> <p>Since 1996: Research Engineer in DNV' department for strategic research, working mainly with projects related to risk analysis and safety engineering.</p> <p>1992-1993: Part time job at Dovre Safetec (Risk Analysis Consultants)</p> |
| Bitner-Gregersen, Elzbieta Maria Norwegian | <p>PhD in non-linear shallow water probabilistic modelling of sea waves.</p> <p>Since 1994: Principal Research Engineer in the DNV department for strategic research working mainly with projects related to probabilistic modelling of waves. She has also long experience with structural reliability analysis, particularly reliability of ship structures, as well as some experience with wave load analysis and response analysis.</p> |
| Hørte, Torfinn Norwegian | <p>1986: Master of Science, NTH, structural engineering and structural reliability</p> <p>Since 1986: Worked on structural reliability in DNV, presently as Senior Engineer.</p> |
| Storhaug, Gaute Norwegian | <p>1994: Master of Science in Hydrodynamics and Structural Engineering, NTH</p> <p>1995: Military Service, working for the Royal Navy on a joint industry project (developing the hydrodynamic program VERES) at NTH.</p> <p>1996-1998: Project Engineer in DNV' section for Hydrodynamics and Stability, working mainly with hydrodynamic analysis (global and local loads) related to offshore ships.</p> <p>Since 1998: Project Engineer in DNV' section for Structures, working mainly with structural analysis (FE-analysis, fatigue, buckling and yield) related to offshore ships.</p> |
| Hexeberg, Steinar Norwegian | <p>1987: Master of Science in Mechanical Engineering, NTH</p> <p>1989-94: Development and installation of control systems for liquid cargo handling system for Kvaerner Eureka A/S, Norway.</p> <p>1994: Managing new production of control systems for Kvaerner Singapore Pte. Ltd.</p> <p>1995: Employed by Kvaerner Ships Equipment, Marine Automation, Norway.</p> <p>Since 1996: Plan approval of automation and control systems in DNV.</p> <p>Since 2000: Rule development in DNV</p> |
| RINA staff including sub contracors | |
| Giovanni Guassardo (RINA), Italian | <p>1983: Master of Science in Chemical Engineering.</p> <p>1984 to 1997: wide-range working experiences at Ansaldo of Genoa, in risk analysis of nuclear power plants, railroad systems, power production and supply systems, chemical and prototypical installations.</p> <p>Since 1997: responsible of the development and application of FSA methodology and Product manager of Risk Assessment at RINA.</p> |
| Enrico Rizzuto (DINAV, University of | <p>1986: Master of Science in Naval Architecture.</p> <p>1986 to 1990: researcher at CETENA (propeller verifications, hydrodynamic</p> |

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| Genoa), Italian | <p>noise, propulsion plant simulation)</p> <p>Since 1990: researcher at DINAV (dynamic loads on marine structures, structural reliability, structure-borne noise)</p> <p>Teaching experience at DINAV:</p> <p>1994 to 1998: teacher of the course ‘Ship Hull Geometry’</p> <p>Since 1995: lecturer in the courses ‘Ship Structures II’ and ‘Ship Plants’</p> <p>Since 1998: teacher of the course ‘Ship Construction III’</p> |
| Paola Gualeni, (DINAV, University of Genoa), Italian | <p>Born in 1969, Mrs Gualeni achieved her degree in Naval Architecture and Marine Engineering in 1994. She started her professional career as a consultant by the ship design company “Interprogetti” based in Genoa. Afterwards she was employed by the ship management company V-Ships at the technical office in Southampton. From 1996 she is researcher at the University of Genoa dealing with sea keeping computational models and risk analysis application to marine fields.</p> <p>Since academic year 1997 appointed teacher of the course in “Pleasure Craft Hydrostatics” at the “School for pleasure crafts design” a school at a graduate level located in La Spezia (50 hours of lessons, 30 students p.y.).</p> <p>Since academic year 1996 lecturer in the courses of “Ship Hydrostatics” at the University of Genoa.</p> <p>She holds a certificate in Maritime Safety and Port State Control.</p> |
| ClassNK staff including sub contracors: | |
| Toshiro Arima Japanese | <p>1989: received his Doctorate of Engineering in Naval Architecture and Offshore Engineering at the University of Tokyo, Subject of thesis “Development of a New Type Structure for Ocean Space Utilization of Middle Water”</p> <p>Since 1989: Researcher in Research Institute of Nippon Kaiji Kyokai (ClassNK)</p> <p>Since 1996: represents ClassNK on IACS AHG/FSA</p> <p>1999: Member of IACS Project Team Bulk Carrier HAZID (PT/BC-HAZID)</p> |
| Yoichi Iga Japanese | <p>1992: Master of Engineering in Naval Architect at the University of Hiroshima</p> <p>1992-1995: Rule development in ClassNK</p> <p>1995-1998: Surveyor at site office in Japan of ClassNK</p> <p>Since 1998: Hull damage investigation in ClassNK</p> |
| Tadashi Kanekiyo Japanese | <p>1992: Bachelor of Engineering in Naval Architect at the University of Osaka</p> <p>1992-1997: Plan approval of hull structure and equipment in ClassNK</p> <p>1997-2000: Surveyor at site office in Japan of ClassNK</p> <p>Since 2000: Rule development in ClassNK</p> |
| Kazuo Hayashi Japanese | <p>1971: Bachelor of Engineering in Naval Architect at the University of Tokyo</p> <p>Since 1971: Worked mainly in Ship Building Division in NKK</p> <p>1971-1980: Engineering staff in ship structure design sect.</p> <p>1980-1985: Engineering staff in ship initial planning dept.</p> <p>1986-1989: Manager of Hull design sect.(structure & hull performance)</p> <p>1990-1993: Project manager of high-speed craft development team</p> <p>1994-1996: Project manager of product innovation team</p> <p>1997-1998: R&D planning staff in R&D division of NKK</p> <p>Since 1999: Ship & Offshore initial planning department of NSS</p> |
| Takao Miyamoto Japanese | <p>1966: Bachelor of Engineering in Naval Architect at the University of Yokohama</p> |

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| | <p>Since 1966: Worked mainly in Ship Building Division in NKK 1966-1970: Engineering staff in ship building dept. 1970-1982: Engineering staff in ship outfitting & accommodation design sect. 1982-1987: Manager of ship outfitting & accommodation design section incl. special task for passenger projects 1987-1992: Engineering staff in ship initial planning dept. 1993-1996: Manager of cost evaluation & control sect. Since 1996: Ship & Offshore initial planning department of NSS</p> |
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Brainstorming session in Oslo 20000606

Participants:

Captain Arvind S. Phatak

Assisting QA Manager, the Torvald Klaveness Group. Operational experience from bulk carriers, presently working with quality assurance and ISM auditing.

Mr. Robert Spencer

American Bureau of Shipping. Technical expert within structures.

Dr. Elzbieta Bitner-Gregersen

Det Norske Veritas. Technical expert within wave statistics.

Mr. Thomas Weik

Det Norske Veritas. U.S. Navy Captain (Retired), presently working with International Safety Management Code (ISM) support to DNV auditors, including development and implementation of auditing and certification interpretations and procedures.

Mr. Roal Vårheim

Det Norske Veritas. Technical expert within hull structures.

Mr. Knut Vågnes

Det Norske Veritas. Head of statutory department (SOLAS and load line).

Mr. Thor Ystgård

Det Norske Veritas. 30+ years experience with bulk carriers, as acting surveyor, line manager and regional manager. Currently involved in developing training programs for hull surveys, and giving lectures.

Dr. Monika L. Eknes

Det Norske Veritas. Technical expert within risk analysis and Formal Safety Assessment.

Brainstorming session in Japan 20000606

Dr. Toshiro Arima

ClassNK, Researcher of Research Institute, Technical Expert of FSA Methodology

Mr. Atsushi Magaino

ClassNK, Manager of Development Department (DVD), Technical Expert of Hull Structure & Rule Development

Mr. Youichi Iga

ClassNK, Staff of Technical Investigation and Information Department (TID), Technical Expert of Hull Damage Investigation

Mr. S. Kawachi

Sumitomo Heavy Industries, Ltd.(SHI), Manager of Basic Structure Design Group, Design Department, Ship Designer

Mr. Yuzo Yamaguchi

ClassNK, Staff of Hull Department (HLD), Technical Expert of Plan approval of hull structure, Having good experience as Ship Designer

Capt. Heihachiro Katsumi

DAIICHI CHUO KISEN KAISHA (DCKK), Marine Superintendent of Marine & Technical Group, Operator, Having good experience as a Master of Bulk Carriers

Mr. Koki Saito

ClassNK, Staff of Ship Management Assessing Division (SMD), Technical Expert within ISM Code, Having good experience as Chief Officer of Bulk Carriers.

Mr. Fumio Morita

ClassNK, Staff of Machinery Department (MCD), Technical Expert within Machinery

Mr. Yoshiya Yamaguchi

ClassNK, Staff of Business Coordinate Department (BCD), Technical Expert within Material, Having good experience related IMO matters.

Mr. Tadashi Kanekiyo

ClassNK, Staff of DVD, Technical Expert within hull structure, Secretary of the NK's brainstorming meeting.

Brainstorming session in Genoa 20000806

Participants:

Mr Giovanni Guassardo

FSA expert and project manager of the RINA contribution to the BC FSA.

Mr Remo Torchio

Ex-RINA hull and machinery Principal Surveyor and Head of Classification and Statutory Certificates Department, after retiring he became a Naval Architect consultant

for RINA and private Marine Surveyor. EU assessor in the MV Derbyshire investigation.

Mr Saverio Innella

Ex-manager of Hull and Outfitting and Head of Department of the Purchase Bureau of Fincantieri Genoa, after retiring he became private consultant in the same fields of activity.

Mr Giampaolo Pistone

Service Manager of RITEC of Genoa, with a 20-year wide-ranging experience in the automation systems onboard ships (propulsion, boilers, electrical systems, navigation and loading services).

Mr Adriano Peri

Principal surveyor of the constructions at Grimaldi Genova up to his retirement, then marine consultant and damage assessor to hull and machinery, and surveyor of newbuildings for various Italian shipyards.