

## **SERVICE OVERVIEW**

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### **„On-Board“ ECDIS TRAININGS**

- **SAM Type Specific, on CHARTPILOT 93X0/ 1100**
- **JRC ECDIS Familiarisation, without certification**
- **FURUNO ECDIS FAMILIARISATION, WITHOUT CERTIFICATION**
- **DANELEC ECDIS TYPE SPECIFIC, ON DM800 ECDIS G2**
- **CHARTWORLD TYPE SPECIFIC, ON EGLOBE & EGLOBE2**
- **TRANSAS TYPE SPECIFIC, FOR NAVI-SAILOR 4000/NAVI-PLANNER 4000/NAVI-RADAR 4000**

Those practical trainings will be conducted on board the vessel during a short voyage, preferably together with a Real Time Navigational Audit. Content covered as follows:

- Safe Handling of ECDIS in general
- Proper Setup of Chart Display
- Proper Calculation of Safety Depth and Safety Contour, setting of Shallow and Deep Contour
- Proper Voyage Planning
- PSC and Vetting (special focus on VIQ SIRE Chapter 4 Navigation )
- BTM Book, 02nd Edition
- Admiralty NP5012, 231 + 232
- SAR.consult Training Forms: VIQ Vessel Inspection Questions for DANELEC ECDIS, ECDIS Self Check Questioning (Familiarization Form for new on-signing crew), Form Calculation of Safety Parameters

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#### **Approximated service duration**

As per vessels voyage

#### **Certificate**

ECDIS Type Specific Certificate

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### **Audits & Pre-Vetting**

#### **• RTNA - Real Time Navigational Audit**

This Audit will be conducted during an on-going voyage (preferably together with any on-board training e.g. ECDIS) considering the following 5 areas:

- Procedures and Documentations
- Charts and Publications
- Navigation
- Navigational Equipment
- ECDIS

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#### **Approximated service duration**

Depending on voyage

#### **Certificate**

Issued Navigational Audit

#### **• Pre-Vetting Inspection (SIRE/OCIMF)**

During the last seven years of services mainly on tankers, we gathered the respective experience to also offer pre-vetting services according to Ship Inspection Report (SIRE) Programme, covering the following areas on board tankers:

- Chapter 2: Certification and Documentation
- Chapter 3: Crew Management
- Chapter 4: Navigation
- Chapter 5: Safety Management
- Chapter 6: Pollution Prevention
- Chapter 7: Structural Condition
- Chapter 8: Cargo and Ballast Systems (Petroleum/Chemikals/LNG/PNG)
- Chapter 9: Mooring
- Chapter 10: Communications
- Chapter 11: Engine and Steering Compartments
- Chapter 12: General Appearance and Condition
- Chapter 13: Ice Operations

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#### **Approximated service duration**

At least 1 week

#### **Certificate**

Daily intermediate reports to shipping company

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## **SERVICE OVERVIEW**

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### **Audits & Pre-Vetting**

- **ECDIS Audits - Vessels to change to paperless navigation**

This Audit was especially developed to be conducted on vessels which intend to change to paperless navigation (preferably together with any on-board training e.g. ECDIS).

The Audit will cover the following areas on the bridge:

- Legal Requirements, ECDIS Procedures and Documentation
- Connected Equipment
- Chart Management
- Navigational Practice
- Certification and Training
- Installation Survey Checklist for Class Approval

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**Approximated service duration**

Depending on vessels voyage

**Certificate**

Issued ECDIS Audit

## SERVICE OVERVIEW

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### Consulting

#### • Maritime Safety (LSA)

Due to the 16-years background in Search and Rescue (SAR) Services, SAR.consult can provide assistance and training on all LSA equipment on board of sea-going vessels. On demand, this can also include customized training (courses) in understanding and handling of SAR cases which could arise on board during a voyage under consideration of the IAMSAR Manuals (I, II and III).

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#### Approximated service duration

Customized (on demand)

#### Certificate

Certificate (if required)

#### • ISM Consultancy (ECDIS)

For shipping companies it's sometimes difficult to find through what has to be done and to be considered, when changing from paper- to paperless-navigation.

SAR.consult is assisting the operational department in arranging everything smoothly under consideration of all Flag State Requirements, Class, SOLAS, ISM and IMO regulations. On demand an On-Board ECDIS Audit can be conducted during a short voyage to ensure that all is properly working on board their vessels and all requirements are fulfilled (including all necessary certification and documentation on board).

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#### Approximated service duration

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#### Certificate

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#### • Ship Operation

Can be conducted either as a class room training or as an on board training (training-on-the-job) Contents will be customized on demand and the needs of the clients, can involve all the bridge concerning matters (Ship Handling, Navigation, Handling of all electronic equipment, incl. ECDIS / RADAR, BTM).

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#### Approximated service duration

Customized (on demand)

#### Certificate

Certificate (if required)

## **SERVICE OVERVIEW**

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### **Consulting**

#### **• ECDIS Procedures and Risk Assessments**

All vessels changing to paperless navigation must have respective ECDIS Procedures implemented in the Company SMS. SAR.consult is assisting in developing those Procedures and can already provide Procedures for the following ECDIS equipment:

- TRANSAS NS4000 + NAVI PLANNER
- CHARTWORLDS eGlobeG2
- FURUNOs FAE2107 + FMD3300
- SAM ChartPilot 1100
- DANELEC DM800G2 ECDIS
- JRC JAN-701 B

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#### **Approximated service duration**

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#### **Certificate**

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## **SERVICE OVERVIEW**

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### **Crew-Seminar**

#### **• Practical Use of ECDIS**

This course is focused on the basics (generic) in proper and safe handling on ECDIS. It can be conducted either on board or as a class room training.

Contents are the proper Voyage Planning, PSC and Vetting issues.

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#### **Approximated service duration**

max 1 day

#### **Certificate**

Certificate of Attendance (if required)

#### **• Bridge Team Management**

This course is based on the contents of the BTM Booklet A practical guide, 2nd Edition, written by Capt. AJ Swift as well as on practical on-board experience. It can be conducted either on board or as a class room training.

In detail:

- BTM; Passage Appraisal
- Passage Planning
- Executing the Passage/Voyage Plan
- Monitoring Ships Progress Teamwork
- Navigating when Pilot on Board and Navigation with IBS and ECDIS

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#### **Approximated service duration**

1 day

#### **Certificate**

Certificate of Attendance (if required)

## **SERVICE OVERVIEW**

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### **IMO Model Courses**

- **IMO Model Course 1.27 „Operational Use of ECDIS“**

This ‚Generic‘ basis course is required for all Masters and Officers on sea-going vessels which are equipped with ECDIS.

SAR.consult will conduct this course on demand in close cooperation with PT PROMACINDO in Jakarta / Indonesia.

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**Approximated service duration**

40 hours

**Certificate**

Certificate of Attendance

- **IMO Model Course 1.32 „Operational Use of Integrated Bridge Systems“**

This IMO Model Course was developed in close cooperation with our partner MET PT PROMACINDO in Jakarta / Indonesia and can be conducted on demand. Contents are working and handling of modern bridge equipment integrated in so called IBS.

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**Approximated service duration**

40 hours

**Certificate**

Certificate of Attendance

- **IMO MODEL COURSE 6.10 „TRAIN THE SIMULATOR TRAINER AND ASSESSOR“**

This IMO Model Course was also developed in close cooperation with our partner MET PT PROMACINDO in

Jakarta / Indonesia and can be conducted on demand. Contents are for those who also train and assess on Simulators.

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**Approximated service duration**

40 hours

**Certificate**

Certificate of Attendance