

## **JRC Product Training Courses**

### ***Introduction***

JRC is able to supply different types of technical training for service engineers. We can also provide ECDIS Train the Trainer training and ECDIS type specific training. All technical training courses are held in the Rotterdam office or at the customer office, only on request. ECDIS type specific training or train the trainer audits might take place on board or in a local training center. On this page, you will find the details of our training arrangements.

### ***Office and contact details***

Our office address is :  
Alphatron Marine B.V.  
Schaardijk 23  
3063 NH Rotterdam  
Harbour 115  
The Netherlands

Contact details :  
Telephone front desk : +31104534000  
Email training department : training@jrc.am

### ***Hotel arrangements***

At this moment we have a special contract with the Novotel Brainpark hotel and the Inntel hotel Rotterdam Centre. You will find details of these hotels and shuttle service in a document which we will send directly with the confirmation of your application.

If you would like to have a reservation at Novotel Brainpark hotel or Inntelhotel Rotterdam Centre you can make the reservation with the link which is in the confirmation document. Please note that the hotel guest has to pay the hotel bill when checking out.

## ***Training rules and requirements***

The engineer must have **at least one year of field experience** on the equipment in general (either JRC or other brands) and **understand the electronic fundamentals** of the type of equipment.

If, during training, a lack of general experience/knowledge on the equipment is ascertained, the trainer may decide not to issue a certificate.

The cost of the training will not be reimbursed.

For **ECDIS, VDR** and **Fleet Broadband** training we require that the trainee has adequate experience of the windows operating system, networking and NMEA protocols for example IEC61162 – 1/2/450.

For **Radar** training we expect the trainee to have adequate experience with radar systems.

For training of **Sonar** equipment we expect the trainee to have adequate experience with underwater acoustic principles.

For **GMDSS** training we expect the trainee to have adequate experience with super heterodyne transceivers and do recommend operator's certificate for GMDSS equipment.

For **AlphaMidiCourse** and **AlphaMiniCourse** we expect the trainee to have adequate experience with gyro principles.

We expect that the trainees arrive in time for the training and notify us by telephone whenever they are not able to do so.

In order to receive a certificate, trainees have to follow the complete course. If any part of the training is not completed then we cannot issue certificate.

Training is between 09:00 - 16:00 daily. There will be adequate breaks during the day. Between 12:15 – 13:00 there will be a daily lunch available.

After finishing training for specific equipment an online test will be provided. This has to be completed by the trainee. In order to receive a certificate the trainee must score at least 70%. The trainee is allowed to use all the documents provided on the course when completing the online test.

Mobile telephones have to be switched off during training. Emergency use of mobile telephones is discussable.

We expect trainees to pay attention to the training and do not use the Internet for web browsing or working during training.

### ***What do the trainees have to bring***

During the training we will hand out training documents in PDF format. Trainees have to bring the laptop which they use for service. This is to make sure that the laptop they use is suitable for connecting to our equipment.

Software required for opening standard industrial formats files should be installed on the laptop (e.g. VLC LAN, Word, Excel, Adobe reader, Winzip or Winrar, Google Chrome, Mozilla Firefox and Internet Explorer updated to latest versions).

It is preferable to carry commonly used cables e.g. straight serial cable (1,5m), crossed serial cable (1,5m) and straight CAT-5 cable (5m). However if not available we can supply a limited amount of cables during the training.

Also recommendable is to bring USB to serial converter if the laptop does not have a serial port. Please also check if the laptop is able to read/write CF cards and/or PCMCIA cards. If not please bring an external reader. This is especially important for Radar and (S)-VDR training (1800/1850, 1900/1950). Arrange that the trainees have admin rights, from the IT department, to his computer in order to be able to switch firewalls off. This is important for the Radar and (S)-VDR training courses.

### **Technical Training composition and duration**

<b>Training</b>	<b>JRC products</b>	<b>Days</b>	<b>Practice</b>	<b>Required</b>
<i>Maximum of 6 attendees of all technical courses</i>				
Proline Classroom Install/Comm.	JMA-5200MK2 JMA-5300MK2 JMR-5400 JLN-741 AlphaPilot MFM AlphaSeaPilot MFC AlphaMidiCourse AlphaConnectClassic JUE-251 JLN-652 *) JFP-185BB *) JFS-280 *) *) In Madrid only	4 days	yes	Theory of radar operation. Laptop. Adequate knowledge NMEA protocols. Adequate understanding of interfaces Install requirements Tuning/adjustments/settings Mounting
Proline Online Test Install/Comm.	JMA-1030 JMA-3300 JFE-380 JLR-8400/8600 JLR-21/31 JHS-183 AlphaBNWAS JHS-800S JSS-2150 AlphaRudder MFM		online	By using our Online manuals one can do an online quiz regarding:  Theory of radar operation adequate knowledge NMEA protocols. Adequate understanding of interfaces Install requirements Tuning/adjustments/settings Mounting
ECDIS & Radar non MFD	JMA-7100 JMA-9100 JMA-5200MKII JMA-5300MKII JAN-901B JAN-701B JAN-2000MKII	4 days	Yes	Theory of radar operation adequate knowledge NMEA protocol. Laptop. Adequate knowledge of computer architecture. Adequate knowledge of windows XP/7/10 Adequate understanding of networking.
MFD Complete	JMR-7200 JMR-9200 JAN-7201 TCS edition 2 JAN-9201 TCS edition 2 JAN-7202 BAMS JAN-9202 BAMS JMR-5400 JCX-161	5 days	Yes	Theory of radar operation adequate knowledge NMEA protocol. Laptop. Adequate knowledge of computer architecture. Adequate knowledge of windows XP/7/10 Adequate understanding of networking.

(S)VDR	JCY-1800 JCY-1850 JCY-1900 JCY-1950	3 days	Yes	Adequate knowledge NMEA protocols. Laptop used for APT/installation (S)-VDR. Straight LAN cable.
(S)-VDR   Speedlog	JCY-1800 JCY-1850 JCY-1900 JCY-1950 JLN-550 JLN-205 JLN-720 JLN-740	5 days	Yes	Adequate knowledge of underwater acoustics and Doppler effect. Adequate knowledge NMEA protocols. Laptop used for APT/installation (S)-VDR. Straight LAN cable.
(S)-VDR   EchoSounder	JCY-1800 JCY-1850 JCY-1900 JCY-1950 JFE-380 JFE-680	5 days	Yes	Adequate knowledge of underwater acoustics and Doppler effect. Adequate knowledge NMEA protocols. Laptop used for APT/installation (S)-VDR. Straight LAN cable.
(S)-VDR   FleetBroadband & Global Xpress	JCY-1800 JCY-1850 JCY-1900 JCY-1950 JUE-251 JUE-501 JUE-60GX	5 days	Yes	Adequate knowledge NMEA protocols. Adequate knowledge of networking. Laptop used for APT/installation (S)-VDR. Straight LAN cable.
GMDSS   Fleetbroadband & Global Xpress	JSS-2150(N) JSS-2250(N) JSS-2500(N) JHS-800 JHS-770S JHS-780D JUE-95 JUE-87 JUE-251 JUE-501 JUE-60GX	5 days	Yes	Theory of super heterodyne transceiver GMDSS operators certificate. Adequate knowledge NMEA protocols. Adequate knowledge of networking. Laptop.
Gyro & SeaPilot AlphaPilot MFM	AlphaMidiCourse AlphaMiniCourse AlphaSeaPilot AlphaPilot MFM	4 days	Yes	Adequate knowledge of gyro. Laptop.

### ***JRC ECDIS Type Specific and Train the Trainer trainings***

<b>ECDIS type</b>	<b>Type of training</b>	<b>Duration</b>	<b>Requirements</b>
JAN-701/901M JAN-701B/901B/2000	Train the Trainer & Audit Validity of certificate = 2 years	4 days	Service partner or distributor. STCW approved training center.
JAN-7201/9201	Train the Trainer "B" course Validity of certificate = 2 years	3 days	Service partner or distributor. STCW approved training center. Written test =>100%. Practical test 1 (40 min/person). Final assessment (2 hrs/person). If more than 4 attendees need two trainers.
JAN-7201/9201	Type Specific Training C1 standard classroom	2 days	Seaman book. Max. 6 attendees. Written test =>70%. Practical test.
JAN-7201/9201	Type Specific Training C2 standard onboard training	10 hours	Seaman book. Max 6 attendees.

### ***Marcom A training***

<b>Subjects Marcom A</b>	<b>Type of Training</b>	<b>Duration</b>	<b>Requirements</b>
English OPV VPT	General Operator Certificate	5 days + 1 day examination	This training is only in Dutch. ID and passport photo are needed for application of your certificate. Certificate will be issued by IL & T Max. 4 attendees.

### ***Type Specific Training Wärtsilä***

<b>ECDIS type</b>	<b>Type of training</b>	<b>Duration</b>	<b>Requirements</b>
NS4000 AlphaBridge T 4000	Type Specific Training Classroom only	2 days	Max. 6 attendees. Written test. Practical test.

### ***Alphatron Product Training Operational/Technical***

We also provide Alphatron Product Training on operational and technical levels. These training courses are always tailor made training courses. For extra information, please contact the training department.

### ***Certificates when changing jobs.***

The validity of training certificates: when an employee (mostly technicians) goes to a new employer in the same maritime service business, his JRC certificates will become invalid. However, when the ex-employer (JRC agent) agrees, in a written statement, to reissue the certificates, it is possible to apply for new certificates. Please note that this is only if both employers are active in the EMEA region and that a fee may apply. The training department will provide you with the price and documents needed for reissuing.

### ***Application for technical training***

It is only possible to apply for technical training at Alpatron/JRC in case there is a valid dealer/distributor contract in place. For non-technical, operational and TST training courses there is no need for any dealer agreement. The dealer/distributor shall fill out the application form on our website of [Alpatron/JRC](#).

After reception of your application form, we will inform you if there is availability or if the attendees will be placed on a waiting list. Maximum amount of attendees for the technical training is 6.

We have the right to cancel training 3 weeks before the training will start, when there are not enough attendees. The Training Department will inform you 5 weeks ahead if the amount of attendees is not sufficient.

### ***Payment terms***

The course registration is binding. This means that upon registration a payment obligation occurs to Alpatron Marine B.V./JRC.

***Participants can unregister from the course up until 30 days prior to course starts. Cancellation from 30 till 14 days prior course start, 50% of the course fee will be charged. If cancellations is made within 14 days before the course starts, the course will be fully charged.***

Invoice will be sent at the end of the training course and certificate will only be issued once the payment is received.

Alpatron Marine B.V./JRC reserves the right to cancel, move or change course dates before the course starts due to unforeseen circumstances.

The participant will receive practical course information and confirmation of participation 14 days prior to course start.

If you receive this order confirmation with incorrect or missing information, please notify [training@jrc.am](mailto:training@jrc.am).

Welcome to Alpatron Marine B.V./JRC training!