JRC   **ALPHATRON**
                                                                              Marine

Training	MFD (Multi-Functional Displays)
Module(s)	JMR-7200, JMR-9200, JMR-5400, JAN-7201 TCS edition 2, JAN-9201 TCS ed 2
Target group	Service Engineers
Location	Rotterdam Office (Schaardijk 23, 3063NH, Rotterdam)
Duration	4 days, Tuesday-Friday
Price	€190,00 per day

DESCRIPTION

This training examines the installation, operation, maintenance and commissioning of JRC's Multi-Functional Displays JMR-7200/9200, JAN-7201/9201 TCS edition 2 and JMR-5400. These 19- or 26-inch displays are for vessels of 300 to 9.999 GT or ≥10.000 GT respectively and can display your ECDIS, radar, conning and/or BAMS. This course starts with some background information, regulations and requirements, after which it zooms in on the interconnection with sensors and services such as radars, positioning systems and VDR. There's enough opportunity to try out newly learned knowledge on our test equipment. The follow-up of this training is the *MFD & BAMS (new type)*.

CURRICULUM
Some of the key points covered in this training (in both theory and practice) are:
- Background (IMO) regulations & requirements
- Basics ECDIS, radar, conning & BAMS
- Differences solid state radar & magnetron radar
- Standard and optional components
- Components radar scanner & how to replace them
- Installation requirements
- Installation of interswitch, power control unit & radar overlay
- Basic operation, setup & alerts
- Charts installation
- Track control steering with autopilot
- Updating application software & firmware
- Changing the software license
- Connecting the VDR
- Commissioning by use of initial tool
- Troubleshooting & maintenance

ENTRY REQUIREMENTS
- Basic knowledge of Windows
- Basic knowledge of ECDIS & radar
- Understanding of industry standards IEC61162-1 and IEC61162-2
- Service engineer must be employed at distributor in Europe, Russia, Africa or Middle East
- Service engineer is recommended to have at least one year of field experience

CERTIFICATION
- This course ends with an examination on Friday, of which the service engineer is required to answer at least 70% correctly in order to receive a certificate
- With this certificate the service engineer is allowed to install, maintain, repair and commission all JRC's Multi-Functional Displays