



<b>Training</b>	(Simplified) Voyage Data Recorders
<b>Module(s)</b>	JCY-1800/1850 , JCY-1900/1950
<b>Target group</b>	Service Engineers
<b>Location</b>	Madrid office (Los Manzanos 34, 28703 San Sebastián de los Reyes) Madrid
<b>Duration</b>	3 days
<b>Price</b> and travel)	€ 200,00 per day (lunch and certificate included. Does not include hotel, dinners
<b>Availab. seats</b>	Maximum 7
<b>Date:</b>	Week 30 (23 Jul 2019 to 25 Jul, 3 days) From 9:00 to 16:30h

#### DESCRIPTION

This training examines the installation, operation, maintenance, Annual Performance Test and commissioning of JRC's Voyage Data Recorders JCY-1850, JCY-1800, JCY-1950 and JCY-1900. The training starts with some background information, regulations and requirements, after which it zooms in on the older models and pays some extra attention to the lasts JCY-1950/1900 VDRs. Although the JCY-1850/1800 are old models and not sold anymore, they are still onboard of many ship. There's enough opportunity to try out newly learned knowledge on our test equipment

#### CURRICULUM

Some of the key point covered in this training (in both theory and practice) are:

- Background (IMO) regulations & VDR developments since 1990s
- Vessel and recording requirements
- IEC61142-450 Light Weight Ethernet Standard
- Installation of JCY-1950/1900
- Setup and recording
- Connection the MFD for recording ECDIS/Radar pictures and chart info
- Real-time monitoring
- Downloading data
- Playback of recorded data
- Remote maintenance system
- APT procedures
- Troubleshooting

#### ENTRY REQUIREMENTS

- Basic knowledge of Windows
- Understanding of industry standards IEC61162-1 and IEC61162-2
- Advanced understanding of maritime navigation equipment, onboard command & control, engine management and alarm systems
- 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 the certificate
- With this certificate the service engineer is allowed to perform the installation, operation, maintenance, APT and commissioning of all JRC's Voyage Data Recorders
- This certificate is valid for 2 years and can be renewed for another 2 years