

SAFE OPERATION OF HIGH VOLTAGE POWER SYSTEMS



TARGET GROUP

This training course is primarily intended for marine electro and technical officers and electricians involved to operate and maintain high voltage marine equipment.



OBJECTIVES OF THE COURSE

In this course the participants will have knowledge and practical skill:

To manage safety aspects, safe work practice methods, deal with troubles, surveys and emergency preparedness on high voltage equipment.



COURSE CONTENTS

The Training course covers the following topics:

- Introduction;
- High voltage theory, technologies and materials, requirements;
- High voltage plants design aspects;
- High voltage equipment specialties design, parameters, service systems for such equipment as applicable. Commutating and protection system and equipment design;
- Safe work practice regarding potential dangers of high voltage using, documentation, records, check lists, procedures, risk assessment;
- Inspection, checking and testing of high voltage equipment as applicable including proper usage of personal protective equipment, testing equipment;
- Maintenance and basic of repair. System and equipment performance monitoring, surveys and safe preparation for it;
- High voltage equipment and plant troubleshooting and dealing with them;
- Emergency running mode of high voltage installation and preparedness.

INCOME REQUIREMENTS

To apply to the course, a delegate should present COC of Officer in Charge of Engineering Watch, COC of electro-technical officer.



DURATION OF THE TRAINING COURSE

Including practical exercises the duration of this course is 5 days.



COURSE LIMITATIONS

The maximum number of participants is 8 persons.



TRAINING APPROACHES AND EQUIPMENT

During training course theoretical knowledge is given using PowerPoint presentations. Practical skills will be given on real High Voltage installation of MSB, participants will manage testing, and troubleshooting on high voltage equipment, will prepare system for repair, shore based surveys or routine maintenance, act accordingly safety rules applicable to work on High voltage equipment and systems.

