

▪ **Legal obligations:**

- Compliance with Col. Regulations
- Byelaws
- General Directions
- Special Directions
- Speed limits

▪ **Passage Planning:**

- Requirements for a passage plan pre sailing
- Content and application

▪ **VTS:**

- Communication procedures including broadcasts
- Emergency procedures

▪ **Thames Barrier:**

- Navigation in the TBCZ
- Marking of spans
- Span widths
- Signals
- Depths over sills
- Tidal/current effects around piers & gates in defence

▪ **River information:**

- Navigation regulations
- Reporting positions
- Berth/Pier names
- Names of Reaches
- Navigational aids
- Exclusion zones
- Ship swinging areas
- River moorings and tiers
- Water depths. i.e. low water shoals

- Night navigation
- Sound Signals
- Special Signals
- Long term & current river works & restrictions

▪ **Bridges:**

- Names
- Heights/clearance
- Tower Bridge communications
- Special signal lights
- Navigation of
- Tidal effects
- Position of air draft boards
- Bridge signals (day & night)

**A working knowledge of :-**

▪ **Publications**

- Permanent Notice to Mariners
- No 1 Notice to Mariners
- Notice to Mariners
- Codes of Practice

▪ **Traffic Patterns**

- Tugs & tows
- Passenger boats
- High Speed Craft
- Recreational craft
- Marinas & working times

▪ **General**

- Port emergencies
- Role of London Coastguard
- Maritime security as related to the River Thames