Master Unlimited

2nd April 2015

Student: [Redacted]

Examiner: Captain Irwin and Captain Carlo

Result: Passed, 1 hour 30min

- Joining an Australian Flagged Cape Size Bulk Carrier in a USA port. How do you handover?
- What documents do you require to sight, what do you need to sign on to?
- Name statutory certificates you carry and validity of each?
- What certificates have supplements?
- Your Cargo Ship Safety Construction certificate expiring tomorrow. What are your actions?
- What items come under a load line certificate?
- What is assignment of freeboard?
- How do you test a seal on a hatch cover?
- What is a condition of class?
- What is Marpol?
- What are the annexes and what certs/documents do you have for each?
- You have a port state surveyor onboard in the USA who says your oily water separator is not approved. What is your action?
- What is a class society and what do they do?
- What is the difference between Port State and Flag State?
- What is ISM? What is the purpose?
- What certificates are covered under ISM and what is the audit process?
- What is the Masters role under ISM?
- What is BRM?
- What do you do when a pilot comes on board in regards to BRM?
- What do you consider for a passage plan from USA to New Caledonia?
- Where do you get all the information?
- Gave me a chart and asked if I can use it.
- Can you use a corrected chart that is not the latest edition?
- What are the Marpol considerations when passage planning? (Special Areas, PSSA, Garbage Discharge)
- What is a PSSA and Special Area?
- You are on a deep ocean passage with iron ore residue on deck. What are your actions?
- Gave me a Singapore Straight chart and asked me to identify some chart symbols.
- Asked where a good anchorage was and what do you consider when anchoring?
- What is VTS?
- What system do we use in Australia? (MASTREP)
- Gave me a couple Colregs TSS situations using the chart.
- What is ISPS? Who is the authority in Australia? What is on the certificate? Who issues the cert in Aus?
- How do Marine Orders get their power?
• Asked me about a TRS in the Southern Hemisphere
• Gave me a routing chart and asked about seasonal areas in regard to load lines
• Loading from China and discharging in Dampier. How much can you load using the routing chart?
• You are loading in Dock Water, what does this mean?
• Where do you find information on the cargo you are loading? (Shippers declaration, IMSBC Code)
• What is a Terminal Representative? What publication has information about the role of a Terminal Rep? (BLU Code in the IMSBC Code)
• What is Transportable Moisture Limit?
• Will you accept a cargo of Iron Ore that has been in heavy rain for a month? What are your actions?
• Your vessel has a triangle mark on the ship side below the deck line, what does this mean?
• What is a high density cargo?
• What is Shear Forces and Bending Moments?
• What is an angle of Loll and how do you correct it?
• IMO Stability Criteria
• How does FSE affect your ship?
• Explain squat, interaction, bank effect?
• You are now on a general cargo ship loading with the ships crane, what is the Person in Charge? What will he want to see prior to loading?
• What is a Materials Handling Register
• What inspections do you make to a crane and by whom?
• Competent and Responsible Person.
• What happens in the 5 yearly crane inspection?
• How do you load dangerous goods?
• How will you lash the cargo that is loaded?
• What is a Cargo Securing Manual? Who issues it?
• What is the maintenance on a lifeboat?
• What maintenance do you do to lifeboat fall wire? How often do you proof load the lifeboat davit?
• How often do you manoeuver a lifeboat in the water?
• Fire in the Engine Room, what is the procedure?
• Water in the fire main stopped, what could be the cause? What are your actions now? (Close deck isolation valve and use emergency fire pump)
• What publication do you have onboard in regards to Search and Rescue?
• What is your obligation?
• You have been struck by lightning in the middle of the Pacific Ocean and all your navigation and communication equipment is inoperable as well as your main engine that has failed. You see a tug going past at close range. What are your action?
• What is the difference between towage and salvage? Will you accept Salvage in this situation? What is LOF?
• What are the difference in an X and S band radar? Which would be better during a heavy rain shower?
• You have arrived at a port after a cyclone with a cargo of grain and opened the hatches to see all green (germinated). Now what are your actions? (Note of Protest)
• Now you are back onboard and 2 lawyers want to come onboard and take photos and copy pages in your log book. They are very persistent. Do you allow this? (No)
• What is a P & I Club?
• What is a bunker certificate?
• What is the dry docking procedure? What is the critical point and what is the formula to work it out?
• Your second officer comes on board drunk just before you sail. What are your actions?
• What is OH&S?
• What is a PIN/IN/PN/Inspectorate?
• Can anybody enter a confined space? Where do you find information on this? (OH&S MI Regulations 2003)
• What do you do if your magnetic compass has a large deviation? What could be the cause?
• Asked various rules of the road questions covering most of the first 19 rules. Also rules 34 and 35. There were no trick questions but just need to have a proper understanding of the rules and you will be fine.

These questions are not necessary in order and just as they came to mind. I also know that there are questions I have forgotten but these are the bulk of it. We did jump around a lot and were not always given hints as to what they were after. I did need to ask questions at times to work out where they were going.