Examiner: Irwin Degraffe

Candidate: [Redacted]

Date: 04/Aug/2016

Result: Pass

Time: 1hr 30 mins

We sat down he explained the orals could only go for 1.5 hrs and that he would be focusing on my last orals and my weak points from those orals. That i could ask him to rephrase the question. every ship i was joining was australian registered and was the 397m bulk carrier (picture) with beam 63m and depth of 18m. Joining in Singapore BA 3833.

Q) you are joining the vessel as a mate explain the procedure, what are you looking for? what are you handing over to the master? what do you expect from the mates handover - now the mate has left before you have joined where are you finding your duties?

Q) heeling graph - W 7500 SF 1.2

A) volume = 9000 kg = 7

Q) tell me about ism, smc, doc - validity? whats it mean to you and your company?

Q) tell me some statutory certificates?

Q) tell me some drills and frequencies?

Q) what gives marpol it's power? - whats the pots act? do you know of any other acts?

Q) dry dock considerations? how do you know where to put the blocks? why are you filling or empty slack tanks? Why are you shutting your holds and openings?

Q) whats gm? what could be happening if your vessel started to get tender on a voyage? whats it caused by?

Q)drew me a GZ curve - show where your initial gm is? whats minimum stability required by imo?

Q) difference between radars? types? which radar in rain? how do you start a radar? (wanted gain / brilliance / check mast)

Q) lumber under deck what load lines? Lumber on one hold on deck, which lumber lines?

Q) what is ATSB? what do they do?

Q) whats on a routing chart? when would you use it?

Q) You have lifeboats what the requirement for launching them? - you've taken it for a drive and are now bringing it back, what are you checking?- what the importance with resetting the hook? How do you do it? Describe your hook?

Q)Whats the danger associated with onload release? and what's the difference between onload and offload?

Chart BA 3833

Q) ba3833 would you use it? why?

you just joined ship not sure if chart is up to date how do you know? how can you check?

what is annual? what is cumulative? how often is cumulative?

whats a ZOC where is it on the chart?

tell me about the information to the centre/ bottom of the chart and would you trust it?

tell me about light on P. Iyu Kecil to the west of the chart.

whats this symbol = western pilot boarding ground bravo. what is the ! in a triangle mean precauionary zone)? whats does it tell you?

your now at anchor at approx 1°05'N 103°30'E how will you take over the watch and what are you doing during your watch?

how will you verify the ships position? whats a range and bearing?

would you use tanjung batubesar or pulua karimun kecil? what do the black scores on pulua karimun kecil mean?

will that give you better a better or worse signal?

SOPEP / BUNKERS:

You read your night orders it says you will be getting bunkers at 0600 how will you prepare? you send the cadet down what are you asking him to do?
what light or flag would you use? you have an oil spill on board - you are receiving so you can not hit emergency stops - what would you do?

how will you clean it up?

what annex does sopep come under? is it a requirement? are you using oil dispersant at the anchorage? why not? what would you use? who would you report it too? what's a pollrep?

Q) enroute to Dampier from singapore you are in the middle of the ocean about to start a new contract - what does on hire / off hire mean?

how will amsa know you are coming?

what does mastrep stand for? is it a free system? how does it work?

whats a type a vessel? whats a type b? whats a b60?

Cargo:

you find out you are going to be loading iron ore filings what do you need?

whats on a shippers dec?

what is a stowage factor?

what are category a, b and c?

are you sure amsa form 268?

what does a triangle on the side of a ship mean?

tell me about bending moments? Shear forces? hogging? sagging?

You are loading a very heavy rock crusher in your holds what are your considerations? how will you spread the load? how do you know if your lashing points are approved? how much lashing will you use?

what is tml? how do you test it? your cert says tml is 12% but the tml in imslbc for the cargo is 10% do you ship it?are you sure? why?

what happens after 10%? does it just turn into liquid? so is it like water? is this dangerous? why?

Q) You have a fire onboard, you're in there fighting the fire, the whistle on you SCBA goes off, what does that mean? What are your actions? Why? How long do you have?
light characteristics of:

preferred channel to port
north cardinal
west cardinal
iso danger
safe water - what is isophase and occulting?
port lateral? - why not 2 plus 1? is it iala a or b?

stbd lateral

top marks on:
nth cardinal, iso danger and safe water (had none)

Restricted Vis:

Q) restricted Vis rules - who is give way. sound signals less than 2 minutes? what is the rule say?
sound signal for trawler in res vis? sound signal NUC in res vis? what is the lame ducks? what is the pecking order?
trawler in restricted vis. V/L ahead at 4 kts, your doing 6, V/L stbd quater 2 points ab-aft the beam doing 5 - what are your actions? why do you turn to stb’d - what does the rule state? why is the 5 kt vessel not a cause for concern?

Q) trawler vs PDV ahead - who gives way?

Q) trawler dead a head pdv 2 points to stbd - actions?