

10 March 2014

News

Electronic Charting Software

The ACA Mission Systems team have just completed a successful sea acceptance trial of HMS QUEEN ELIZABETH's electronic charting software - known as Electronic Charting Display Information System (Navy UK (ECDIS(N)UK). The sea trial took place 2 - 3 March 14 in RFA ORANGELEAF whilst she was operating in the South Coast Exercise areas. Following a series of demanding tests ECDIS(N)UK was certified safe to use for navigation by both MCTA and the Fleet Navigation Team. Design and development of the QEC electronic charting software has been in progress for a number of years, culminating in the fit of hardware to RFA ORANGELEAF to enable testing of ECDIS((N) at sea whilst conducting manoeuvres such as pilotage, transit and operating with warships in close company.

myService Launch

Following the success of the myService workshops and webex sessions that took place across our sites, we will be launching myService on **17 March**.

Replacing the Incident and Request Management Service, myService gives you the opportunity to request a wide range of IT services in an easier and more comprehensive manner.

myService includes many new features including simple search capability to get progress updates for your raised calls, and the ability to add multiple items reducing the need to raise individual requests for your IT needs.

As part of the new service, there will a slight change to the way requests are raised and approved.

Instead of replying to an email to approve a request, approvers will now have to click on the email link from myService and follow the instructions, otherwise the request will not be processed. myService approvers will include Managers, Directors, financial, security and HR approvers.

When making a request, you will now only be able to raise a request through the myService tool. You will not be able to raise a request via phonecall or email.

Further information about how to use myService will be available in the 'Knowledge' area of the tool.

If you have any queries about myService, please contact [Steve Graham](#) or [Khalid Ahmed](#).

Spotlight on...

Sasha Chambers, Noise and Vibration Manager

Thales UK engineer Sasha Chambers is doing her part in trying to encourage other females to follow her career path into science and engineering.

A physics graduate from Sheffield University, Sasha leads the team responsible for managing noise and vibration on board Queen Elizabeth Class. As a signatures engineer, Sasha also deals with the noise and magnetic signatures of surface ships for Thales programmes.



Sasha is a STEM (Science, Technology, Engineering and Mathematics) ambassador for Thales and is the company's champion for WISE, an independent community interest company whose mission is to inspire women and girls to pursue STEM careers.

In November 2013, Sasha presented the WISE Excellence Award which recognises 'outstanding contributions' by female engineers in the early stages of their careers and the promotion of STEM activities in schools.

She says: "I was lucky enough to be involved in the judging process and I felt honoured to have read such inspiring applications."

"I'm incredibly lucky to be in a role where I face different challenges every day and get the opportunity to work both in the office and out in the field. The mission of WISE is to raise awareness of women in engineering and to try and encourage others to follow the same path."

HMS Queen Elizabeth Rosyth

HMS Queen Elizabeth LB04:

- Ahead of this month's proposed handover to Babcock, DQAFF (Defence & Quality Assurance Field Force) have now completed all ring specific audits with the final block-wide audit also undertaken.
- The wash up from last week's ring M audit has taken place with resultant actions sent out at the beginning of week 11.
- The formal compartment handover completion (CHOI) process has restarted with six compartments completed and signed off by Quality Control and the ACA. This comprised of the passageway in 6P, three compartments in 5N and two compartments in ring M.
- The behind lining inspection in the Senior Rating Servery (5PC2) is now forecast to be signed off by Lloyds ahead of the planned CHOI in the coming week.
- The monorail installation in 7M is continuing as planned, 7MX0 is on track to be completed and 7MX2 is forecast for week 11. The monorails are required to be in place by May; the scheduled start for the overhaul of the diesel generators.
- Completion of the monorails will also enable the associated IA's (Installation Audits) to be signed off by commissioning. The IA programme remains ahead of schedule with 158 test-paths signed off against a planned baseline of 143.

Damage Control Zone 4:

- UB14 outfitting and cable installation continues to progress well.
- The Flyco back plate is now fully welded and welding of the lower module will complete next week.
- PO1 activities are progressing well throughout all sponsons and the focus is firmly on the burn down of remaining hotwork and completion of ITR4, ITR11 & ITR13s.
- PO1 outfitting of catwalks SP08 and SP10 continues, as does the deck edge work required ahead of the aero thermal painting activities.
- The painting of the Aircraft Lift machinery compartment seatings is nearing completion and the installation of the equipment will commence next week.

- SB03 to SB04 link-up issues at 8, 9 and 0 decks are being closely managed and a detailed schedule for these areas is currently being reviewed.

Tanks:

- The CCI Programme has progressed well with 11 compartments accepted and signed off by the Client.
- An additional five tanks went through their CCI which were 0GY8 and 0GY9 (Heel Correction Tanks), 0JX7, 0KC0 and 0KC7 (Dieso Tanks).
- The total number of compartments for Undocking reviewed by the customer is 36 of 173 and of this 23 compartments have been signed off by the Client. An additional seven Compartments, which are within G, J & K Rings have been called for CCI with the Client this coming Monday.
- The Blast Programme is near completion with the final undocking compartments in ring S and T being prepared for blasting activities to commence this week.
- Compartments 8MY4, 0MY3 (Lub Oil), 7NZ8 & 8NZ8 (AVCAT Filling Trunks) completed their ITR 09. Following this will be the steel mark-up prior to the ITR 10 (Standard Blast Inspection) being offered to Quality Control for signed off.
- Painting IWO of the Dock Stools has seen 15 Dock Stools dropped this week bringing the total to 145 of 183 Stools dropped. This is in line with the planned strike rate and is expected to be complete in the forthcoming weeks.

Shaft Programme:

- The Shaft Programme is progressing well with the bearing liners now fitted in the Tunnel Bearing and Intermediate "A" Bracket, 1st shaft secured and couplings ready for Voith to secure the 2nd and 3rd shafts next week.
- The Port Side shaft is in a similar position as the Starboard with the couplings ready for securing the 2nd and 3rd shafts.
- Both Tail Shafts are planned for delivery this week.
- The installation strategy for the Adipose Fin is being reviewed and delivery of a replica is planned for delivery next Tuesday. This will be placed into position and any modifications required will be communicated back to the supplier for adjustment the Adipose fin which is being manufacture from Opope wood.

Hull Programme:

- SSSL continue to progress with the blast and painting of the outer hull with the blast and primer now complete on Blocks 01 to 03. The first coat is now being sprayed from the bottom of the outer hull to boot top.

HMS Prince of Wales Merseyside

HMS Prince of Wales CB02:

- Paint complete within ring G 2 deck centre section compartment 2GB0.
- Painting, insulation and Hilti second fix equipment supports continues to ring G 3 and 4 deck compartments.
- PO1 inspection G ring centre unit compartment 2GZ2 completed and passed.
- Goliath Lifting lugs for CB02 ring G now in fabrication
- Ring F 4 deck centre unit C217 has been lifted, turned and erected at berth (see below).
- Ring F 2 and 3 deck bulkheads being erected onto deck panels continues.
- Inergen Class 1 system being installed into ring F 4 deck starboard unit C214.
- QEC material traceability audit held onsite last month report received with a satisfactory result.
- Satisfactory DDA structural audit took place onsite this week.



HMS Prince of Wales CB04:

- T girders and bulkhead fabrication continues for CB04
- Ring A and further 3 deck panels being cut
- Preparation of load out equipment for Care & Protection for CB04
- Manufacturing of pipework continues for CB04

Tyne

HMS Prince of Wales CB03:

- Hotwork inspections continue on ring L this week ahead of the paint cell window beginning on 17 March 14
- The flight deck and shell sides will be painted over the weekend to reduce the paint cell length.
- Ring LK was moved down to its final position on the west quay on Tuesday.
- It has now been push hard up against ring K and temporary brackets are being installed to keep it in position until the rings are separated again for load out.
- Outfit work is maturing in rings H, J and K and the first routed systems are now being installed in ring LK.
- Pre compartment completion inspections (CHOIS) will begin on 10 March 14 in ring H and then move through the block.



LK in place on the west quay.

Portsmouth

HMS Prince of Wales LB02:

- Good progress has been made last week on tank testing, and 9EX4 and 9EX5 completion leading onto more areas becoming available to complete outfit in adjacent compartments.
- Painting of tank boundaries can complete and therefore systems and cable reeving can complete.
- Small defect clearing teams are looking forward in areas to clear routes for cables so the team should see a continuous improvement with reeving.
- Pipe installation is increasing with 872 spools remaining to fit on the block, which will see ITR 101's and 108's increase as more complete systems are available.
- HVAC duct is now at 86% completion with only smaller areas to finish off activities, and SSSL are working through a plan to close out remaining paint activities.

HMS Prince of Wales CB02:

- Consolidation of the final units loaded onto C ring last week is progressing well and the team are endeavouring to achieve structural completion for the end of week 11.
- Six CHOIs (Compartment Handover Inspections) have been achieved on ring A, which is ahead of plan.
- HB Hydraulics maintains great progress – 101's and 108's remain on plan across all three rings.
- Following on from cabin shipment last week, all five cabins have now been installed into their final positions.
- Painting activities on ring (2 Deck) have now finished, opening up further work faces allowing outfit activities to take place.
- Painting activities have now started on ring C (4 Deck) and are on schedule to complete end of week 11.
- Cable reeving on ring A maintains good progress and are achieving plan.

Govan

HMS Prince of Wales LB03:

- The main focus on LB03 continues to be the Compartment Handover Inspection (CHOI) programme. The programme is progressing well with 18 full CHOIs achieved in week 1409 including the JRs Scullery, with the partial CHOI being the port section of the Auxiliary Machinery Space.
- One partial CHOI for the centre section of the Auxiliary Machinery Space and a further compartment were expected to be inspected last week.
- The remaining CHOIs are expected to be closed out in the coming weeks and all of the alliance partners have been working together to achieve 501 out of 516 CHOIs to date, with the remaining four CHOIs to be closed as part of the block transportation programme.
- Alliance partners Ticon, Imtech, SSSL and Balfour Beatty have now completed their respective scopes and are now working through opportunities afforded by the length of time remaining until block load out to progress scope they would otherwise not completed until the block reached the integration yard.
- The mechanical pipe audits and pressure testing programmes have now surpassed the baseline scope and any remaining work is now a result of change. BAE Systems electricians continue to progress well towards completion with another 1072 terminations completed this week and 24,891 cable cores checkwired to date.

- Now a focus for the electrical team is the completion of ITR-103s for electrical devices, to date 769 ITRs have been closed out.
- Last week an LB03 Block Handover meeting took place with Alliance partners Babcock, in preparation for initial Block handover pack in April supporting Block Delivery in Week 29.

HMS Prince of Wales LB04:

- To date 153 units (96%) have gone through the preparation area with 141 units (89%) having progressed into the fabrication stages and there are now 121 units (76%) erected in the Shipbuild Outfitting Hall.
- Last week has seen the successful erection of four units LQ49, LN37, LN31 and LP47 with a further three planned to be erected by the end of the week.
- Installation of uptakes and down takes has started early and assembly is cumulatively ahead of schedule
- PO1's last week, there is a planned figure of 282 hot work inspections with 205 fully Barcoded through CMS, four achieved partial, 26 ops achieved and 14 with Quality Control for inspection.
- BLI inspections are now underway on 6 deck cabin areas for the first of the cabins coming in on the 10 March for 6R port side. 9QX2 has been inspected and passed paint inspection with four compartments with Quality Control to be inspected and four more compartments to be sprayed over the weekend.
- The installation of pipework and HVAC on the block continues to perform well with 7704 pipes now having been fitted against a planned figure of 6946 pipes, with 821 pipes tested against a planned figure of 556.
- 816m of vent is now installed against a plan of 301m of vents.
- Cable install is continuing well and still currently sitting ahead of schedule by 6,573m.