

Weekly Communication

News

ARM System Maintenance

The projects Risk and Opportunity Management toolset, ARM is set to be upgraded over the Christmas period. To improve the usability of ARM, the current version (3.1) will be replaced with the newer version (5.1) of the software which will give users more functionality and allow users to be more effective in the management of Risk and Opportunity going forward. Due to the upgrade ARM may be unavailable during, part or all, of the week commencing 6th January 2014. Any information you may require from it over the Christmas period must be downloaded before the break to ensure minimal disruption.

Transportation Manager

The ACA is pleased to confirm the appointment of Kris Shields as ACA Transportation Manager. Paul Bova, Commercial Executive said, "Kris joins us from the Royal Navy at an especially busy time with many key moves to look forward to next year."

QEC Cost Challenge

Over the last week members of the Programme Leadership Team have held discussions with senior leaders across the ACA to consider the impact of the contract changes announced by the Secretary of State for Defence, Philip Hammond. If you would like to know more about these sessions please speak with your line manager.

Spotlight on....

Peter Turner, Power and Propulsion Physical Integration Lead Engineer



Where did you start your career?

I served with the Royal Navy for 31 years as a Marine Engineering Artificer..

When did you start on QEC?

Five years ago I joined Thales working on QEC. I started with my base in Bristol and now I spend the majority of my time in Rosyth and occasionally go to Bristol.

What does your job entail?

During the early stages I was responsible for assisting with designing compartments and completing 3D CAD models. Once we moved onto the build stages my job changed to monitoring and supporting production, ensuring operability and maintainability for equipment in the Ship. A typical day involves problem solving and coming up with solutions to ensure production can achieve the end result.

What milestone in the project has been the best for you?

Completing the Compartment Plan Approval with the customer was a huge milestone as it meant we were ready for the production element of P&P to begin.

What is the most challenging part of your job and what do you like the best?

The most challenging part is that there is so much happening out there and so you have to ensure you prioritise in order keep production moving. The best part is solving problems, getting to see production progress after we have created a solution is a great feeling.

Finally, what do you do in your spare time?

I like to play golf and also enjoy travelling. My wife and I love visiting Eastern Europe, as I was never able to go there during my years in the Navy it is fascinating getting to visit now. We spent some time in the Ukraine over the summer and it is a beautiful country.

HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- The stairwell 5PB9 is now with the customer for sign off following a successful inspection this week. A further two compartments, the galley lift in 5P and the medical store in 5M have also been washed up.
- Another seven compartments have been through their initial inspections and are scheduled to be washed up with the client this week.
- All trades have been working in to achieve the necessary pre-requisites in support of the compartment inspection process with seven insulation ITR's completed and a further paint ITR with Quality Control.
- The electrical team were on target to install 3000m of cable and complete 1550 terminations by the end of last week. They will also start pulling HV cables into the propulsion drive compartments in 7P
- The IA (Installation Audit) programme is progressing well. All electrical IA's planned for this year have now been completed and handed over to commissioning.
- Work is continuing on the 5200 system (High Pressure Sea Water System) ahead of planned December completion.

Tanks

- The tanks this week have moved forward with inspections that consisted of a post blast inspection in 0EY0 (Avcat Tank) and a Blast Inspection in 0FX6 (Avcat Tank), which was successfully signed off.
- Compartments 0GY8 (Heel Correction Tank) and 0DX3 (Freshwater Tank) underwent their final paint inspections and were signed off. Six Freshwater Tanks (9JA0, 9JA4, 9JA5, 9KZ0, 9KZ4 & 9KZ5,) were completed by operations and handed over to SSSL to commence their paint programme.
- Engineering continue to progress with the Design Intent Programme with another seven compartments signed off this week.
- 90 of the 138 Compartments have now achieved Design Intent Status.

Shaft Programme

- All machinery has now been aligned to the primary line of sight and to the designated height, with the transportation beams released from the main propulsion motors.
- Rolls-Royce Sweden are now in Rosyth and are working closely with the team to have the final line of sight completed to plan.
- Progress has been made with the alignment rings now fitted to the Port side intermediate 'A' bracket.
- Starboard 'A' brackets and stern tube welding processes are progressing well and on target to meet programme dates.
- Additional key activities that have been achieved this week are:
 - Port 'A' Frame Bracket bushes have been fitted.
 - Port Stern tube bearing fitted.
 - Port and Starboard Intermediates prepared for Meta-Lock Equipment to be fitted week 49.
 - Removal of the Starboard Forward Motor and disposal of sea going securing bracket.
 - Successful Sign-off, of the Port and Starboard steel ITR'S.

Hull Programme

- The last of the Starboard shell closures has been fitted, welding has commenced and is progressing well.
- Dock stool removal is still progressing in-line with the plan.

Damage Control Zone 1/2

- Long Range Radar Antenna has been lifted into position on top of the Mast Cap ready for final installation programme.
- GTA system installation commenced within 3GY9. 4dk level moved to MSC paint and insulate target completion pre-Christmas shut to drop Scaffolding around Gas Turbine.
- The DCZ 1/2 ship lights have being energised throughout the majority of rings 2 and 4 deck.
- Forward Hanger shelving installation progressing well through to P01.
- HV and LV cables reeved to destination from 6dk up to the Forward Island switchboard.

Damage Control Zone 3

- Deck painting activities in the RAS Bay at 4L Port has been completed and work is now ongoing to fit the RAS point to match what has been fitted in 4H Port RAS Bay this week.
- Deck screeding in 2K and 3K passageways Port are ongoing in a drive to complete the remaining areas of deck laying in DCZ3.

Damage Control Zone 4

- UB14 outfitting package is underway and terminations released.
- P01 activities are progressing well throughout all sponsons and a number of compartments are now at paint and insulation.
- Cammell Laird is progressing well throughout CB04 at 2 and 3 deck levels.
- Scaffolding access and final welding of the Catwalks at SP07, SP08, SP09 and SP10 are progressing.
- Aft Aircraft Lift guide rails are now being installed.
- SB03 to SB04 and CB04 (A to D) link-up integration work continues to progress, and a final validation of scope is currently being undertaken at 8, 9 and 0 decks.

Damage Control Zone 5

- Rolls Royce have this week handed back the switchboard in compartment 6UB7 after its refurbishment. This is the 2nd of 4 with the remaining 2 switchboards to be handed back before the year end.
- Two week refurbishment programme on Ships Service Transformers now started.
- Electrical Terminations have now started on 6U and 7 T decks.
- P01's progressing well on dayshift and nightshift with approx. 300 hotwork items fitted last week.
- Ship service transformers refurbishment now complete and handed back in compartment 6UA6, 6UA7.
- Pipework installation now commenced in steering gear compartments.
- Cable 8 terminations continue ahead of schedule.

Erect, Fair & Weld

- Starboard shaft line – the A Frames have now handed over to BAE Systems and Rolls Royce.
- Port shaft line – Rolls Royce have begun installing shaft bearings on the port shaft line and have begun preparing to ship shaft bearings for the starboard shaft line.

HMS Prince of Wales

Portsmouth

HMS Prince of Wales LB02:

- Painting is complete on F to G ring join up and has now started on the E to F ring join up.
- Structural completion is going well to the accelerated plan and is to finish week 48.
- Outfit has progressed well on Ring G 6 deck cable reeve priority compartments, with all screeding complete ahead of the recovery plan allowing earlier access for cable reeving.
- Deck screeding on the C ring 6 deck priority compartments started this week.
- Pipe installation is progressing. 7,688 pipes have been installed to date. Pipe testing is continuing on rings C and D.
- HV Switchboards have been linked up and serviced by GE this week.

HMS Prince of Wales CB02:

- The installation of ducts on 4 deck of Ring A are on schedule.
- Unit C209 moved from Hall A to Hall B and was 'topped and tailed' last week. It has gone to berth on Ring B this week.
- Pipe installation commenced last week and is progressing very well. Using all lessons learned from previous blocks the first test Path (by system by deck) has been installed and inspected and the first 101 has been signed off by Lloyds with no defects.
- Unit C211 is the last unit to go to berth on Ring B and has been moved from Hall A to Hall B. It is to be lifted next week – see below.



Merseyside

HMS Prince of Wales CB02:

- Ring G 2 deck units have been erected to the transportation grillage.
- Ring G hangar deckhead plates have been inspected and were lifted over the weekend.
- Ring G flight deck units are now 3D with bulkhead erection continuing see below.
- Ring F 3 deck units are now in manufacture.
- Pipe Spool, pipe support and seat manufacturing continues.



Tyne

HMS Prince of Wales CB03:

- Ring H-J join up is now complete.
- Ring H and J outfit is progressing well with pipe, HVAC and cable all being installed.
- Ring K in in the paint cell and spraying has begun.
- Ring LK units now structurally complete and being inspected. Outfit steel is being installed on ring LK.
- The first units of ring L are now 3D and all bulkheads have now been manufactured.



Above: Unit production continues at A&P Tyne

Govan

HMS Prince of Wales LB03:

- Rear Admiral Steve Brunt paid LB03 a visit last week, and commented positively on the progress of the block and the high standard of quality. This week sees a follow-on visit from the Ministry of Defence Director of Ships, Tony Graham.
- The main focus this week on LB03, remains the Compartment Hand-Over Inspection (CHOI) programme which has been progressing well with 17 achieved in week 47, another 10 achieved last week with a further 17 to be inspected this week.
- All of the teams have been working together to achieve 353 out of 520 CHOIs to date.
- Ticon are continuing to focus heavily on the progression of ceilings and linings, particularly within the cabin flats on 6 and 7 deck, and the dining halls, galley and bakery on 5 deck, which allows electrical work such as smoke detectors, sockets and lighting to progress.
- Imtech are progressing well, fitting 97m of vent last week while working in all available ATU compartments and completing vent installations in complex areas such as the Galley and bakery.
- This week there are no compartments where an air test is being undertaken but work continues by the team to prepare areas for testing. 79 Mechanical audits and 204 pressure tests on pipe spools were signed off last week.
- LB03 electrical scope continues to progress well with 1493m of cable installed, 942 terminations completed and over 1800 cable cores checkwired.

HMS Prince of Wales LB04:

- There has been a number quality inspections conducted on the block resulting in some very positive feedback:
 - Six pre-paint inspections were conducted with no observations being recorded.
 - 16 PO1 Inspections were conducted and achieved at a high standard and with minimal observations.
 - Pipe audits progressing with coaching in conventional hanger standards and use of hanger booklet this week.
 - Paint and post primer audits carried out with SSSL in attendance.

- The commonality between all these various inspections is that they are being approached by the teams with the "Right First Time" mind-set. The Quality team have been heavily involved in coaching sessions with Production and Contractor teams, utilising lessons learned from Ship 01, to ensure that these standards are maintained and improved as we go through the build stages.
- To date there are 130 units in preparation with 118 having progressed into the fabrication stages and 93 successfully delivered into the SBOH. This week we are on schedule to erect three units and see the successful completion of two dry surveys on units LQ13 & LS89.
- LS89 completes the dry surveys on ring S meaning that rings R and S are now complete.
- Work continues on the cabin area compartments on ring R and S.
- In Ring R the HVAC and cable tray are both progressing well and the first batch of pipes are scheduled for testing this week.
- The pipe installation on the block is currently ahead of the plan, with nearly 5000 pipes installed against a planned value of just less than 4000.
- The mechanical inspections have now commenced and are also ahead of plan.

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