

ACA Weekly Communication

News

Mission Control Environment

The Mission Control Environment (MCE) which went live last year, is the dashboard view of trusted ACA programme data from the key programme systems. Its purpose being, to facilitate the analysis of programme data, allowing corrective or preventative actions to be identified, agreed and implemented. Data from the programmes systems is uploaded to the MCE through the Data Warehouse and is accessible through its interactive dashboards; data cannot be created within the MCE itself. Access to the MCE is controlled through the ACA Active directory server where users must have a valid SDE account. New users to the MCE will need to request access through Lisa Beynon.

Project Controls Online Training

Gnosis is an online training tool that has been created to help everybody on QEC have a better understanding of project controls. There are nine modules covering all aspects of project controls including; Planning, Managerial Analysis, Supply Chain, Finance, Risk & Change, and a separate module dedicated to Integrated Baseline Reviews (IBRs). The training will enable everyone to get up to speed on the changes in process/approach to these key activities, enable the programme to reach a common benchmark in capability and start preparing the Programme for the upcoming IBR. Gnosis will be hosted on an external network meaning that the project controls team can identify trends, knowledge gaps and then address these with future training. Gnosis is due to go live towards the end of January and delegates are currently being identified via Project Control Forum representatives. If you are interested in being involved please contact your rep or Louise Wild who make sure your log in details are issued once the training goes live.

Spotlight on...

Lisa Beynon, Business Information Project Manager

What was your first ever job?

I used to work as a barmaid on P&O ferries, living on board sailing from Portsmouth to France daily.

How did you get from there to where you are now?

After working on the ferries I took a year out to travel South East Asia and New Zealand, it was such a great experience. My favourite place has to be Vietnam, visiting some famous historical land marks. After travelling I started my journey with BAE, starting in ship support formerly known as FSL as an administrator before moving to ship build within the procurement team. Over seven years I have worked in different roles within the supply chain and project management function, working on various programmes, Type 45, Trinidad & Tobago, Oman, and finally QEC. I moved up to Rosyth in August of this year in my project manager role for the ACA.

What will your job entail?

As the project manager for business information I am responsible for managing activities to support the ACA programme management processes, with specific focus on reporting documentation and along with my team of document controllers, the access and retention of ACA records. I have also recently taken on responsibility of the Mission Control Environment (MCE) which is a tool we are using to view of all ACA programme data from our key systems in the one place.

What do you do in your spare time?

I really enjoy learning about fitness and nutrition and try to spend as much time as I can in the gym. I also spend a lot of time commuting from Rosyth back to my home in Portsmouth to see family and friends.



HMS Queen Elizabeth

Rosyth

HMS Queen Elizabeth LB04:

- Eight compartments were washed up following successful inspections.
- 4 deck has been targeted as a priority to open up work faces for commissioning paths required as part of the plan to flood up. Six compartments are forecast on 4 deck with a further two on ring.
- The passageway in 6P and the Issue Centre in 5Q have been through their initial Behind Lining Inspection (BLI) this week and are scheduled to be signed off by Lloyds next week.
- In support of the inspection process the supporting trades are on schedule to meet their targets, it is expected that 2900M of cable will be pulled and 1500 cores terminated with the ventilation contractor forecasting that circa 90m of vent will be installed.
- There has been continued good progress on the IA programme with two mechanical test paths on the 522B system which has been handed over to testing and commissioning for verification.
- The electrical team are now working on the fibre optic system.

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.
- Plans are currently being made for the flame spraying of the GT intake splitters which will take place in January 2014.
- Scaffolding access and final welding of the catwalks at SP07, SP08, SP09 & SP10 is 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. The final validation of scope is now complete at 8, 9 and 0 decks, with approx. Cable routes at 5LZ0 through to LB04 have now opened up and the focus is now on priority compartments at 6 & 7 deck.

Tanks

- Compartments 0EB2 (AVCAT Recovery Tank), 0FY0 and 0FX6 (AVCAT Tanks) were offered to Quality Control for their mechanical ITR / pipe inspections.
- Compartments 0AX0 and 0BX0 (SW Ballast Tanks) in LB01 have had all steel mark-ups completed allowing SSSL to commence painting this week. This is a key achievement as it completes all pre-requisites required to commence blasting of the hull for LB01 & LB02 due to this week
- Engineering have all but completed their Design Intent Reviews for the tank programme having provided full DISR's for 173.
- The last remaining Compartment, 8SX0 (Grey Water Holding Tank) is to be complete by the end of the week.

Shaft Programme

- Preparation for welding on the Port Tunnel Bearing support bracket progresses well, as does the Shaft Installation Rail Assembly.
- The shaft external line of sight programme has now been completed with the Intermediate Bracket machining equipment on the starboard side currently being fitted into position.
- The Port and Starboard Shaft Bearings and Eddy Plates are currently being machined and drilled and are forecast to arrive back in Rosyth this week prior to being prepared for installation.
- Starboard shaft line – Main A and Stern tube bearings fitted with preparations being finalised for resin chocking which started in December.

Hull Programme

- Progress on the Hull programme took a significant step forward during the holiday period with the external shell for LB03 being shot-blasted between the Port and Starboard boot tops. This now allows SSSL to commence their hull paint programme.

Damage Control Zone 1/2

- On CB02, the carling ECR is now complete and has been moved back into P02 installation which re-opens the main cable runs through the damage control.
- The passageways throughout 2 deck are moving through the floor laying process.
- A Mooring deck schedule is being created to support undocking requirements with first phase of blast and painting having started in December..
- On the GTA compartment upper levels, paint and insulation is complete.

Damage Control Zone 3

- The replacement Carlings on CB03 2 deck area are now 85% complete.
- Work to complete ATU 2 continues to progress toward a completion date of late January 14.
- Link up area between blocks 2 and 3 continues to be a major focus both mechanically, and electrically, in order to free up Inter block cabling and pipework and is scheduled to complete in mid-January.

Damage Control Zone 5

- SP02 gun sponsons on the Port and Aft sides are to be erected onto the ship on Monday 13 and Tuesday 14 January 13.
- GRE pipework is now fitted in compartment 5TAO.
- Preparation work has started for the fitting of aft crane sponson.

Undocking

Blast & Paint

- Shot blasting in double bottoms and bow tanks on blocks LB03, LB02 and LB01 is now completed.
- Painting in double bottoms and bow tanks on blocks LB03, LB02 and LB01 is progressing to plan.

Dock Block Removals

- Phases 1 – 3 paint completed with blocks being reinstated and put under load.

HMS Prince of Wales Tyne

HMS Prince of Wales CB03:

- Over the festive period the units for CB03 ring LK were structurally completed, hotwork installed and inspected.
- The units have now been moved into the paint cell with painting started last week.
- Ring K is now on the West Quay where the two half rings have been moved together and are being welded out.
- Insulation has begun in the Port side and is continuing across the units.
- Ring H and J are now fully joined and the outfit is progressing well in both Rings.
- Ring L units have begun erection.

Merseyside

HMS Prince of Wales CB02:

- On ring G 4 deck, hotwork inspections have been undertaken with painting and insulation (see image below of compartment 4GB6).
- Ring G 3 deck has been erected and the first lock out pipes and equipment have been shipped on board
- Units for ring G 2 deck have begun being erected on the jigs and being welded out ready for move up later in January.
- Ring F 4 deck has been moved onto the jigs with the first T beams installed.



HMS Prince of Wales CB04:

- Tuesday marked the second Prince of Wales block in production at Cammell Laird in Birkenhead with CB04 Cut Steel occurring.
- CB04, made up of four build rings and two decks, spans the aft section of the Hangar.
- It will be built between now and September 2015 when it will be shipped to Rosyth and positioned onto LB04.

Portsmouth

HMS Prince of Wales CB02:

- Structural completion of CB02 ring A is scheduled to have been achieved at the weekend, with sixteen PO2 inspections achieved last week.
- Ring B is in the middle of a two week paint window on 4 deck – progressing well.
- The structure consolidation of ring B is on target to complete end of week 3.
- Consolidation is ongoing on ring C 4 deck - units C240, C215, C216 and C239.
- Unit C225 moved around from hall A to Hall B ready for erection next week.

HMS Prince of Wales LB02:

- There are 31 weeks to LB02 Roll out, at the end of July.
- X-Rays for structural welds happened over the weekend for ring D-E join up and are scheduled this week for C-D join up. This will complete all inspections for the structure and allow other works to continue in and around these areas, including testing on tank boundaries.
- All internal hotwork are planned to complete this week on ring D-E for paint to start on week 4.
- This will lead onto BLI inspections and cabins to go back in correct positions.
- Cable reeving is picking up and is now at 100km allowing terminations to progress.

Govan

HMS Prince of Wales LB03:

- The main focus remains on the compartment handover inspection (CHOI) programme which has been progressing well with 18 achieved in week 1351 and a further 13 CHOIs expected to be achieved last week.
- This takes to total achieved to 408 out of 520 CHOIs to date which is 78% complete.
- 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 98m of vent installed in week 1351 while working in all available ATU compartments and completing vent installations in complex areas such as the galley and bakery.

- Pipe work continues to progress well with 148 spools installed in week 1351 which is 99% complete. There were also 120 mechanical audits and 148 pressure tests signed off in week 1351.
- Electrical scope continues to progress well with cable installed now at 99% completed of the base-line scope.
- Due to the status of the block, an opportunity is being reviewed to reeve an additional 7km of cables while the block is in Govan.
- 252 terminations were completed in week 1351 taking the terminations to 82% complete and 685 cable cores checkwired which is 68% complete.
- The second block handover meeting took place this week in the build up to transportation of LB03 to Rosyth in July 2014.
- A team from Rosyth is in the process of being assembled to be based in Govan in the run up to the handover of the block to ensure a smooth transition.

HMS Prince of Wales LB04:

- To date there are 136 (87%) units in preparation with 119 (77%) having progressed into the fabrication stages and 94 (60%) have been successfully delivered into the Ship Build Outfit Hall.
- Last week three units were scheduled to be erected (LN06, LN07 & LQ15) and two dry surveys on the block.
- The preparations for the cabin installation took another step forward, the 7R Behind Linings inspections have now been completed to a high standard with minimal observations. This clears the way for the cabins to be delivered and installed starting next week.
- The other cabin areas are progressing well. Painting and screeding on 7 deck now complete and the 6 deck areas are well under way with the remaining outfit trades working to complete their scope in the areas.
- Just prior to Christmas the 3rd care and protection audit was successfully undertaken on the block. The standards set previously were high but LB04 has continued to achieve these.
- Pipe installation continues to progress well. Currently the planned installation figure is 4770 against an actual number of 5923.