



Aviation Management Board Meeting

RUK, Greencoat House, Francis Street, London SW1P 1DH

Date: Tuesday 22 January 2013

Present

MJ	Michael Jampel	DECC – Chair
CG	Chris Gormley	DECC
JH	Jon Hayward	DECC
DBe	David Best	DfT
MB	Mark Balsdon	NATS
MP	Matt Partridge	RUK
PA	Paul Askew	RUK
SH	Simon Heyes	Infinis (AIFCL Chair)
WC	Wayne Cranstone	RWE (AIFCL deputy)
SC	Simon Coote	Scottish Government
MB	Michelle Betts	RAF
DBo	David Boyd	Ministry of Defence
PG	Paul Gallagher	Ministry of Defence
FH	Fabrizio Harley	Ministry of Defence
KL	Kelly Lightowler	CAA

Apologies

Matt Clear	Crown Estate
Andy Knill	CAA

Introduction, Minutes & Actions

1. MJ opened the meeting and introduced Kelly Lightowler of CAA and Paul Gallagher of MOD. Kelly was representing Andy Knill who sent his apologies. Paul Gallagher is newly in post as project manager of ACT Technical Demonstration Programme. No AOBs were proposed.
2. The draft minutes from the 15 October AMB were approved without amendment. MJ ran through the outstanding actions. It was agreed that action points 12, 13, 14, 15 and 17 had been completed and were closed with actions 3, 4, 16 and 18 remaining open. KL noted that with regard to action 4, LAs are looking to her for advice and that CAA are considering a web-based tool to provide planning advice. CG responding to action point 18, informed the group that it is unlikely that the AAP will meet during the MOD ATC Demonstration process. He will circulate draft TORs to members once the next meeting is proposed.

Aviation Plan

3. JH presented an overview of the dashboard report; this included the introduction of a dedicated MOD safeguarding workstream and a simplified format for presenting technology workstream reports. The format change was introduced in response to a request made at the last AMB for technology solutions to be reported separately to help maintain clear sight on progress. The Board discussed the layout and content of the new page and considered ways that it could be improved. MOD were unable to comment on the technologies themselves, but undertook to consider whether information on technical readiness obtained through the ATC Demonstration process could be provided. DECC took an action to review the format change.

Action 19: JH to review technology workstream format ahead of next meeting.

Action 20: PG to consider the commercial confidentiality of the technical readiness status of ATC demonstrator systems

4. Current top workstreams included the MOD ATC mitigation project, the Raytheon Business case, Spectrum (all of which were later agenda items) and the Evidence Workstream. PA gave an update on the Evidence workstream noting that RUK had launched a new objections survey and have extended the deadline for returns to encourage greater participation. PA also raised an issue around conflicting messaging on lighting guidance and PA, KL and DBo agreed to resolve off-line.

Action 21: PA, KL and DBo to discuss and resolve lighting guidance issue.

5. SC gave an update on the Eskdalemuir workstream and advised the Board that the ongoing public enquiries increased the risk of delay as a conclusion was required before the Working Group could progress. SH informed the Board that FMB had agreed to fund the 'stage 0' research. SC thought that the Scottish Government might also be able to provide some funding. SG advised the group that he had discussed policy development with CG and JH and that it is progressing.

Spectrum Presentation

6. KL gave a presentation detailing the Government's 2.7-3.1Ghz Spectrum Release Programme¹. CAA has led a study to assess the technical, operational and economic viability for the release of spectrum in this frequency band by 2020. The programme is initially being funded by DfT, but the extent will depend upon results and progress. However, this is a major programme with Government support. Funding will be agreed through the Programme Management Board on a stage by stage basis. Implementation has not yet

¹ N.B. Minutes reflect additional information provided subsequently by KL in response to questions raised at the AMB.

been funded but a key phase within the programme will be to determine costs and funding implications including how incentives could be applied.

7. Significant work has been done by different companies and research organisations into Multi-Static Primary Surveillance Radar – this work was considered in the feasibility study completed in 2012. At this stage, CAA are not looking at specific manufacturers but the programme objective is to consider what further work is necessary to establish confidence in the operation and performance of such systems, what the regulatory framework would need to be and how this can be accelerated to meet timescale requirements. This work will contribute to de-risking the technologies required to support the future surveillance infrastructure. Industry and research centres will be invited to bid for the work packages within the programme.
8. MOD is engaged at senior level through the spectrum release programme and has been fully briefed in respect of the CAA programme. In addition there is ongoing engagement with the Head of the Project Marshall team and future meetings are planned to include the Capability experts. In addition MOD will be members of both the Steering Group and the Programme Management Board overseeing the programme.

MOD Update

9. PG gave the Board a full run through of MOD's progress to date in establishing the Technical Demonstration Programme. He confirmed that almost 20 expressions of interest had been received and that pre-qualification questionnaires (PQQs) had been issued. The PQQs would help MOD understand and evaluate the technical maturity of the proposed solutions. A minimum of TRL 7 is necessary to enter the Demonstration. The Defence Science and Technology Laboratory (DSTL) are assisting with this process
10. Implementation arrangements would be 'Phase II' of the project and would start in December. SH thought that discussions on Phase II should begin when the Demonstration are under way. However, MOD's initial business case, PID and Gateways cover Phase I only.
11. On funding, MOD are still finalising the costs of using MOD assets but funding needed to be in place before ITTs could be issued. CG explained that discussions with developers outside of the FMB were on-going and DBo confirmed that a handling protocol for assessing offshore sites had been agreed with The Crown Estate so that all parties affected might choose to contribute. An action was agreed between DECC and MOD to finalise a Memorandum Agreement to deliver the Demonstration Programme.

Action 22: CG and PG to finalise DECC/MOD Memorandum Agreement

12. DBo provided the Board with an update on MOD safeguarding concentrated on DIO resourcing and progress with an on-line pre-assessment tool. The DIO Safeguarding Team remains in transition; a Trade Union consultation is underway and this should lead to a recruitment exercise in March/April.

Temporary posts remain in place in the meantime. Work is underway to progress a scoping exercise to assess existing pre-applications. MOD took an action to report findings to DECC and RUK and explore the way forward.

Action 23: DBo to share pre-application scoping results with CG and PA and discuss future options

13. DBo had met with ATDI in November to discuss options for an on-line tool and was scheduled to meet them again on 24 January and that there was scope for DECC and RUK to join in with these meetings to help clarify what works needs to be done going forward. In terms of delivery timelines, DBo thought there would be a two stage approach and that ADTI had looked at Stage I which would provide a low level of technical analysis that would be for line of sight only. KL noted CAA is seeking to develop a similar tool that could also include MOD data. MB noted that the CLG's permitted development tool might be relevant.

Raytheon – NATS Update

14. MB gave an update on progress with the Raytheon project. NATS briefed over 80 developers during the two industry sessions held in December. The NATS Board is to receive a further at its January meeting, and the project remains on track to complete NATS internal due diligence in April-June 2013. SH asked whether there would be a second series of briefings as the emphasis on NATS underwriting the project had shifting. MB confirmed that NATS are developing a full commercial offer, and that underwriting no longer appears attractive so NATS are looking to developers to cover costs given the 15 year asset life. NATS are also investigating publishing an annual report on costings and also put in place a gain/share arrangement.
15. SH asked whether the NATS Board had rejected the earlier proposal in November and were seeking to cap NATS' contribution. MB stated that this was the case due to identified risks from planning and any pipeline. The Board had asked for more evidence on uptake before a delivery/roll-out plan could be developed. MB also confirmed that existing mitigation solution with blanking and in-fill had already been considered. The deadline for developers to submit expressions of interest is 31 January. Applications submitted after this date would need to go through the NATS pre-planning portal. MB noted that 50 applications had been received covering 200 sites with objections or mitigation in place.

Any Other Business

16. No other business was suggested.
17. MJ stated that the date of the next meeting was 23 April 2013.

END

Annex A

	Owner	Action	Expected Date	Status	Comment
1.	Crown Estate	To complete the mapping project for the next version of the Aviation Plan	17 July 2012	Closed	
2.	DECC	To set up a Working Group to consider regulatory options and update the AMB	15 October 2012	Closed	This action was created to find a claw back mechanism for Raytheon which may no longer be needed under the NATS business model.
3.	RenewableUK	To refresh the Evidence regularly for updates to the Aviation Plan	15 October 2012	Open	
4.	CAA & DECC	To undertake a stocktake on whether there is a need for new or better guidance for LAs to help assess aviation objections in due course.	15 October	Open	Transferred from RUK to CAA
5.	DECC	CG to request further updates and propose a new dashboard for future AMBs. A one off workshop for interested parties may be appropriate.	1 September 2012	Closed	
6.	RenewableUK	PA to link to the Raytheon Executive summary in the next RUK newsletter.	15 October 2012	Closed	
7.	NATs	MB to arrange a meeting of interested parties before the next AMB to update on NATS progress.	1 Oct 2012	Closed	
8.	MoD	DBo to produce some lines to explain cessation of pre-application process.	3 August 2012	Closed	Lines now sent to Paul Askew at RUK
9.	DECC & MoD	SR and CG to meet with MoD to consider next steps	30 Sept	Closed	
10.	MoD	DBo and FH to have a paper on ATC ready for the next meeting of the AMB.	1 Oct 2012	Closed	
11.	DECC and Renewable UK	CG and PA to agree on terms and timing of the next meeting of the AAP.	1 Sept 2012	Closed	
12.	AIFCL	TF to contact the Met Office to arrange a meeting with them and DECC.	1 Oct 2012	Closed	
13.	ALL	Workstream owners who had not responded thus far to get in contact with Jon with updates.	12 Nov 2012	Closed	

14.	MOD	DBo to consider what a safeguarding workstream would look like ahead of the next AMB.	22 Jan 2013	Closed	
15.	DECC and MOD	FH and CG to ensure the ATC project is built into the Aviation Plan.	22 Jan 2013	Closed	
16.	CAA and MOD	AK to speak to FH about future spectrum issues for consideration.	22 Jan 2013	Open	
17.	DECC, MOD & FMB	DECC, MOD and FMB to talk through ATC mitigation Demonstration programme proposal.	12 Nov 2012	Closed	
18.	DECC	CG to circulate draft AAP ToRs to AMB members	22 Jan 2013	Open	
19	DECC	JH to review technology workstream format ahead of next meeting.	23 April 2013	Open	
20	MOD	PG to consider the commercial confidentiality of the technical readiness status of ATC demonstrator systems	23 April 2013	Open	
21	RUK, CAA & MOD	PA, KL and DBo to discuss and resolve lighting guidance issue.	23 April 2013	Open	
22	DECC & MOD	CG and PG to finalise DECC/MOD Memorandum Agreement	23 April 2013	Open	
23	MOD, DECC & RUK	DB to share pre-application scoping results with CG and PA and discussion future options	23 April 2013	Open	