



As you observe, further analysis and evaluation has been carried out after the sad death of Corporal Bayliss. I am pleased to say that this has concluded that the incorporation of a combined ASWS and Angle of Attack (AoA) gauge to enhance stall mitigation is feasible and proportionate. The RAF will now take forward work to fit a combined ASWS and AoA gauge to the remaining RAFAT Hawk T Mk1 aircraft. This will require significant test and evaluation, which will be a high priority. The exact timelines for test, evaluation, development and embodiment of the combined ASWS/AoA gauge will be determined this year.

RAFAT pilots are regularly required to practice and demonstrate their competence to complete a forced landing. The potential for airframe buffet to be masked by both the 'smoke pod' and when the landing gear is down has been, and will continue to be, a key focus of Hawk T Mk1 pilot training, combined with the ability to correctly assess a safe approach. The requirement to practise 'live' forced landings will be constantly reviewed, in-line with the development of a combined ASWS/AoA gauge and as future RAFAT Hawk T Mk1 synthetic developments are realised.

Continued training and the application of both a combined ASWS and AoA gauge, will collectively aim to ensure pilots are prepared and have sufficient warning during *low-speed low-altitude manoeuvring*.

**Matters of Concern 2** – *“It was recommended by the Service Inquiry that the Hawk T Mk1 simulator training accurately reflects an aerodynamic model of a RAF aerobatic aircraft with smoke pod fitted, given that this may soon become the only Hawk TMk1/1A operated by the RAF and the current training simulator did not have the effect of a smoke pod fitted. Whilst there are developments in this respect there is no new synthetic trainer in place as yet.”*

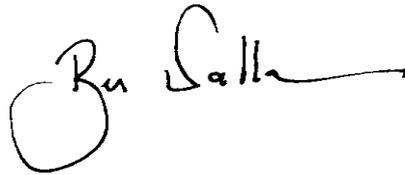
The Ministry of Defence (MOD) recognises that the Hawk Synthetic Training Facility at RAF Valley provides a generic platform for procedural and emergency training, for pilots that operate all types of Hawk T Mk1 aircraft. The retirement of the 'black' Hawk T Mk1, which includes 736 Royal Naval Air Squadron and Number 100 Squadron, on 31 March 2022, provides an opportunity to deliver a bespoke Hawk Synthetic Training Facility for RAFAT pilots. The RAF has begun to identify potential RAFAT focused Hawk Synthetic Training Facility options, to be co-located with the Team at their new home of RAF Waddington. The new Facility will correctly reflect the aerodynamic model of a RAFAT aircraft, with a smoke pod fitted. A detailed procurement timeline is being developed, with the expectation that the new Facility will be in place by 2025.

Prior to this being completed, it is important that RAFAT pilots can train synthetically on an aircraft that is truly representative of the one they fly. MOD has therefore taken steps to ensure that, following the retirement of the 'black' Hawk T Mk1 aircraft, the current Hawk Synthetic Training Facility software is updated to closely reflect the aerodynamic model of a RAFAT aircraft with a smoke pod fitted. A period of test and evaluation will be required, although it is expected that the remodelling of the software to replicate a RAFAT Hawk T Mk1

aircraft, that enables the Hawk Synthetic Training Facility at RAF Valley, will be ready for use in 2023. Collectively, this will aim, as far as possible, to accurately replicate flying scenarios for our pilots.

Thank you for writing to me about these important matters. I hope that my response has demonstrated that the MOD has learned and will continue to learn lessons from this dreadful event. I hope too that Corporal Bayliss' family will draw some comfort from the knowledge that your report has prompted action. As ever, my thoughts remain with them, and with all those friends and colleagues who continue to feel his loss so acutely.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Ben Wallace'. The signature is fluid and cursive, with a large initial 'B' and a long horizontal stroke at the end.

**THE RT HON BEN WALLACE MP**