

UNCLASSIFIED



MINISTRY OF DEFENCE

**Mr S P Dennis**  
Typhoon Safety Manager

Walnut 2b  
MoD Abbey Wood  
BRISTOL BS34 8JH

Tel: 0117 91 35142  
Fax: 0117 91 34906



Email: destyph-s@mod.uk

---

Steve Wright  
Typhoon Programme Manager  
QinetiQ iX  
Bldg 419 Rm 7  
MoD Boscombe Down  
Salisbury  
Wiltshire, SP4 0JF

Please reply to:

Our Reference:

Date: 05 December 2008

---

Dear *Steve*

## **TYPHOON WEAPON SYSTEM SAFETY CASE REPORT**

Ref: EFIPT-ABW/06/01/13/06 Issue 4 dated 03 Dec 2008

Issue 3 of the Typhoon Safety Case Report dates back to March 2005 and early this year the need was identified to produce an update to reflect the later design standards and especially the multi-role capability introduced this summer.

In parallel the work aimed at embodying the Typhoon safety case into the ASCE tool was under way and we took the decision that the up-issue of the safety case report should be based on the information that had been imported into ASCE. The implementation of the ASCE tool includes a macro enabling a report to be produced semi-automatically but it was appreciated that this process would likely require significant interaction when the first attempt was made.

The recent completion and approval of Issue 4 of the Safety Case Report represents a major milestone in the Typhoon IPT safety management improvement programme. Thanks to Andy Hirst, we have an interactive model of the weapon system safety case on which to base our reporting among other things. From this baseline, Graham Kings and Rosemary Pilcher have put a great deal of effort into putting together the Safety Case Report. Inevitably the drafting of this first report based on ASCE revealed a large number of gaps in the evidence available in ASCE (sourced from the IPT), requiring that Graham and Rosemary research additional information and references that were required to support the arguments in the report. With more than 3 years having elapsed since the previous issue, the extent of the changes requiring to be represented in the report increased the difficulty of the task and it is noteworthy that we have resolved to introduce an annual update in future.

Whilst appreciating that there is still work to be done on populating the safety case, I am very pleased that we now have an interactive Typhoon Safety Case that will serve our purposes through life and that Graham and Rosemary have trail-blazed the route to production of safety case reports directly from the tool. Please pass on my sincere thanks on behalf of the IPT to Graham, to Rosemary and to Andy.

Yours Sincerely

S P Dennis

**Defence Equipment & Support**

UNCLASSIFIED