



Ministry
of Defence

DE&S Policy Secretariat Air 1a

Defence Equipment and Support
MOD Abbey Wood South
Bristol BS34 8JH



[Redacted]

By Email:

[Redacted]

Your Reference:

Our Reference:

FOI 2014/04154

Date:

1 September 2014

Dear [Redacted]

I wrote to you on 6 August 2014 regarding your request for the following information:

'Is it possible to have a copy of hazard H27?'

I am treating your correspondence as a request for information under the Freedom of Information Act 2000.

A search for the information has now been completed within the Ministry of Defence and I can confirm that information in scope of your request is held.

The information you have requested can be found enclosed, however some of it falls entirely within the scope of the absolute exemption provided for at Section 40 (Personal Information) of the FOI Act and has been redacted. Section 40 is an absolute exemption and, as such, there is no requirement to consider the public interest in making a decision to withhold this information.

Under Section 16 of the Act (Advice and Assistance) you may find it helpful to note the following explanatory points:

Hazard: H27a, Loss of Control following Technical Failure.

On 3 October 2013, it was agreed at the Tornado Project Safety Panel that this hazard only consisted of one cause - Asymmetric Thrust - which was actually a cause of Accident 11 (A11) Loss of Control of Tornado in the Air. As A11 was an accident sequence in its own right, it was agreed that Mid-air Collision (MAC) would be included on the right hand side of its Bow Tie Diagram (a modern methodology for diagrammatically presenting a hazard and its underlying causes), and H27a would not be added to either e-Cassandra or the Fault Tree Loss Model (FTLM).

Hazard: H27b, Lack of Awareness as a result of Technical Failure.

It was agreed that, as the (already pessimistic) probability of this hazard occurring was so low (1.323×10^{-11}), it would not affect any accident sequences by a factor of 10, and therefore it should be recorded in e-Cassandra as a new hazard, but not linked into the FTLM.

As a result of these decisions, it was concluded that A15 was not a valid accident sequence in its own right and it was subsequently deleted from the Tornado Hazard Log.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Information Rights Compliance team, 1st Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.uk). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MOD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.gov.uk>.

Yours sincerely,

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