

## John Ainslie

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**From:** BRIAN BURNELL [brian.burnell@btinternet.com]  
**Sent:** 27 March 2008 16:16  
**To:** John Ainslie  
**Subject:** Re: anglicization

Thanks John

5.37 "The first batch of Trident warheads was completed in September 1992. The warheads were anglicised by the AWE. Policy records held by AWE which describe the development of the warheads will be selected for preservation."

Could have several meanings. Given the patchwork pick-n-mix history, and the convention that civil servants spin material, but don't actually lie, my interpretation is this:

1. The W-76 was anglicised as the base design for UK Trident D5.
2. However, as in the past, there may have been minor changes to suit W-76 for UK methods of production, materials and techniques available in the UK, and the engineering practices best suited to small-scale production.
3. A development of the trigger device tested at Fondutta, Quargel, Nessel etc may have been used as a UK-unique primary. No evidence either way, but I'd not be surprised if that device was adapted for use in W-76.
4. Fondutta, Quargel etc may also have been the basis of the US W-76 primary. There are other occasions when a UK test has produced info useful to the US, when the US had qualms about mounting a test themselves. An example is Halliard Charlie, following Flagpole. At that point the US had never tested a similar concept to Halliard, and the UK tested at US request, when the UK atmo test programme was to terminate when the Brits were satisfied with Flagpole results. The US had access to all aspects of the design and results of the Fondutta etc tests. An 'Americanisation' of some aspects included in W-76 perhaps?
5. There are other sources that support a UK version of the W-76 in Trident, eg the UK participation in joint working groups tasked with evaluating the effects of aging on the W-76 stockpile. Not poss for the Brits to have knowledge of such things as aging, without access to a stockpile of W-76 warheads.

Brian

----- Original Message -----

**From:** "John Ainslie" <John.Ainslie@banthebomb.org>  
**To:** "BRIAN BURNELL" <brian@nuclear-weapons.info>  
**Sent:** Thursday, March 27, 2008 3:25 PM  
**Subject:** RE: anglicization

Brian

The reference to Anglicisation of Trident is in para 5.37 of the attached.

John

-----Original Message-----