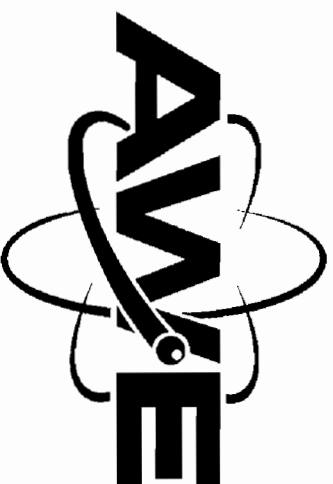


30<sup>th</sup> April 2007

**RESTRICTED**

Ref: AWE/PLAN/KEE/2007/055  
Issue 1



# **AWE Proposal for TP1 for the Implementation of the Nuclear Warhead Capability Sustainment Programme**

## **VOLUME 1**

### **ANNEX A**

## **Compliance Report**

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**AMENDMENT RECORD**

Amendment Number	Date Issued	Date Inserted	Amended by	Pages Affected
Draft 0.03	26/04/07		[REDACTED]	Full Revision
Issue 1	26/04/07		[REDACTED]	Minor amendments

Originated by:

Date: \_\_\_\_\_

[REDACTED]  
Technical Programme Co-ordinator

Approved by:

Date: \_\_\_\_\_

Rob Fletcher  
Head of Corporate Business Planning

This compliance matrix has been compiled in response to M Jenkins' letter to the Managing Director of AWE dated 20 February 2007, reference DPA/NW/TL/117/333/338.

Number of Fully Compliant items: 35  
Number of Partially Compliant items: 3  
Number of non-compliant items: 4

Item	Point raised	Location of data or information	Compliance
1	A section articulating clearly, in tabular form, what has been achieved to date in terms of progress on both Trident and Successor capability growth with a supporting breakdown of costs. This will enable identification of the capability benefit versus cost for NWCSP for the investment made in the period up to 31 <sup>st</sup> March 2007, and the likely overall benefit for the currently prices three year period, ending March 2008. In summary, what I wish to achieve in this is to provide Mod with a clear statement of what has been achieved for the £2Bn investment in the first 3 years	A section in Volume 1 AWE Programme Plan identifies achievements (in tabular form) against key programme strands. Costs (in tabular form) are identified against key programme activities (eg facilities, Orion, material & manpower). The narrative link this section to the Capability Curve. This information has previously been supplied to Mod in presentations	Fully Compliant
2	The [redacted] consideration should be addressed in a suitable annex to TP1 (this approach has been recently agreed with DD Strat Tech CSP).	Volume 1 Annex D addresses the [redacted] issue	Fully Compliant
3	Confidence modeling should include not only schedule and cost for facility construction, but also for beneficial use (i.e. for increase in production rate/year for respective facilities). This section is to include how peer review and industry standards have been used for building/capital cost estimates for individual projects which will help to provide independent corroboration (I discussed this again recently with Bob Irvine).	Confidence modelling on schedule and cost for facility construction are included in Annexes M and N and has taken account of the increase in production rate/year. A description of peer review and industry standards used for estimates is included in Annex N.	Fully Compliant

Item	Point raised	Location of data or information	Compliance
4	The Capability Curves should be updated and linked to the WBS. There are indications that the Trident curve is in need of update to reflect key production milestones and Mk4A events as they relate to the current SSBN programme.	The Capability Curve has been updated against the new WBS and reflects the new production milestones. The capability curve is constructed against the Trident [REDACTED] which takes the Mk4A programme into account.	Fully Compliant
5	The impact of pursuing [REDACTED] and any additional costs to the agreed programme should be identified in general terms, together with an indication of how this might be managed.	Section in Volume 1 AWE Programme Plan.	Fully Compliant
6	As discussed before, you must address the FY 08/09 (CY 9) issues highlighted last August, to meet the NWCSP cost parameters defined in Reference B.	Good progress has been made in improving the CY9 affordability however, the programme as presented does not yet meet the MoD Short Term Programme.	Non Compliant
7	TP1 should include proposals for full or partial demolition of [REDACTED]. All GFX funding for Mk4A, PALD/PAM and NIF shots should also be included in your submission – we can advise you separately on transfer of IPT GFX provision and contract control total treatment.	All included in Annex L Finance pack	Fully Compliant
8	An outline of how illustrative savings measures and programme impact statements (including 10% to 50% confidence levels) might be expressed should be included in anticipation of future MoD budgeting/savings rounds.	Specific savings are not included in the TP1 submission. However, AWE is proposing that this be addressed when more informed decisions can be made.	Non-Compliant
9	The commercial section should be removed and addressed separately with me. I would expect this to align with the Heads of Agreement which we have agreed as a without prejudice basis for the negotiation on the next phase of any contract with AWE ML.	Volume 2 is the separate Commercial Section.	Fully Compliant
10	Requirements to be linked to full MDAL – traceability between activities and requirements.	Requirements linkage exists within the DOORS database.	Fully Compliant
11	Sight of full MDAL – not just changes.	Full MDAL included in documentation suite – see Volume 2 Annex K	Fully Compliant

Item	Point raised	Location of data or information	Compliance
12	Link to Customer assumptions from September 2006 SRD proposal.	TP1 proposal is in response to SRD v2.1 dated October 2006.	Fully Compliant
13	Linkage of facilities to SRD and URD.	Requirements linkage exists within the DOORS database.	Fully Compliant
14	Include a mapping matrix from new WBS to previous structures.	Provided as Volume 1 Annex F.	Fully Compliant
15	[REDACTED] delivery and timescales for [REDACTED] and [REDACTED] programme and readiness elements.	Addressed in Volume 1 Annex E.	Fully Compliant
16	Explicitly identify any proposed future programme exclusions.	Addressed in Volume 1 AWE Programme Plan.	Fully Compliant
17	Include Mk4A programme.	The revised Mk4A programme agreed with MoD at the end of March has been incorporated. Work to fully configure the changes will be part of normal business.	Fully Compliant
18	Include [REDACTED] assumptions.	Included in the [REDACTED]	Fully Compliant
19	Include relationship and implications of [REDACTED] plan to TP1 outputs.	Addressed in Volume 1 AWE Programme Plan, Programme Rationale..	Fully Compliant
20	Identify EVM elements – noting that Orion is no longer an EVM pilot.	This has already been addressed in the Heads of Agreement.	Fully Compliant
21	Methodology for changing programme outputs for potential future work and linkage with MoD/SOG assumptions around warhead down-select IG.	Section in Volume 1 AWE Programme Plan refers to [REDACTED] and Initial and Main Gate requirements.	Fully Compliant
22	Linkage with CSSE requirements for SSTP.	Programme is linked to the SRD, which is derived from URD which in turn is believed to be linked back to other MoD requirements.	Fully Compliant

Item	Point raised	Location of data or information	Compliance
23	Ensure linkage with AWE Technical Strategy.	Technical Strategy has been developed in conjunction with TP1 and is consistent. AWE & Mod have a joint SRD verification approach. An updated SRD Compliance Report has been issued with TP1. AWE will work with Mod to identify any further assurances required	Fully Compliant
24	Identify [REDACTED] funding.	Included in Annex L Finance Pack	Fully Compliant
25	Identify beneficial use hits.	Included in Annex L Finance Pack	Fully Compliant
26	Identify cost profiles for all programme elements.	Included in Annex L Finance Pack	Fully Compliant
27	Identify level of programme commitment.	AWE will work with Mod to develop this post TP1 delivery along side resolution of the Hydrus position.	Non compliant
28	Identify potential future programme elements based on Mod/SOG assumptions.	Section in Volume 1 AWE Programme Plan refers to [REDACTED] and Initial and Main Gate requirements.	Fully Compliant
29	Include [REDACTED]	Assumption is [REDACTED]	Fully Compliant
30	Demonstrate value for money.	Narrative included in Volume 1 AWE Programme Plan regarding AWE and AWE ML contributions to value for money initiatives.	Fully Compliant
31	Include 3PE evidence as part of confidence level evidence.	3PE analysis included as Volume 2 Annexes M & N.	Fully Compliant

Item	Point raised	Location of data or information	Compliance
32	3PE to be linked to the capability curves.	AWE have committed to work with MOD to develop an approach that best represents risk and capability development	Non compliant
33	Identify how the capability has changed with time (prior to NWCSP to date, original and current capability goals – suggest use of octopus diagram).	Capability demonstrated through achievements and Capability Curve. AWE will work with MOD to identify alternative capability reporting mechanisms that are sustainable through the recently introduced AWE Business Management System.	Partially Compliant
34	Identify high level programme risk.	Included in Volume 2 Annex O Risk registers	Fully Compliant
35	Identify reliance on [REDACTED]	Volume 1 Annex C sets out [REDACTED] issues. Volume 2 Annex K Master Data and Assumptions List includes key [REDACTED]	Fully Compliant
36	Identify manpower head count and achievement of required skills.	Included in Volume 1 Annex I.	Fully Compliant
37	[REDACTED] report: Bi directional traceability between activities and requirements.	AWE are in the process of creating this linkage within the AWE Business Management System, where the elements of the new WBS will have the relevant DOORS requirement referenced.	Partially Compliant
38	[REDACTED] report: Process seen as inflexible with gaps in coverage.	See letter from J Smith to M Jenkins dated 31 October 2006 entitled "AWE Supplier Capability Appraisal, Phase 2" – paragraphs 4a and 4b deal with process capability.	Fully Compliant



Item	Point raised	Location of data or information	Compliance
39	[REDACTED] report: Rules are sometimes applied inappropriately.	See letter from J Smith to M Jenkins dated 31 October 2006 entitled "AWE Supplier Capability Appraisal, Phase 2" – paragraph 5f deals with inappropriate adherence to rules.	Fully Compliant
40	[REDACTED] report: Delay between informal and formal warrant timescales with suppliers.	See letter from J Smith to M Jenkins dated 31 October 2006 entitled "AWE Supplier Capability Appraisal, Phase 2" – paragraph 5c deals with difficulties with procurement and "warrants".	Fully Compliant
41	[REDACTED] report: Interfaces between organisational elements not well understood or defined.	See letter from J Smith to M Jenkins dated 31 October 2006 entitled "AWE Supplier Capability Appraisal, Phase 2" – paragraph 5a deals with undefined internal interfaces.	Fully Compliant
42	[REDACTED] report: Systems engineering (thinking) improvements.	AWE has briefed MoD on its developing approach for systems engineering and systems integration. This forms part of the organisational and process development activities.	Partially Compliant

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