

SECRET

S1038CN-183(AMTS/AAWS)

1038CN-183-5

MEMORANDUM

AUG 14 1958

- Ref (a) Memo COR to CAE 1038CN-183(COR) 29 July  
Arrow Weapon System - Genie Installation  
(b) AVRO Report 72/ Systems 26/165  
Installation of Two Genie Missiles in the Arrow  
(c) AVRO Report 72/Eng Plans/20 Program Proposal for Genie  
Rocket Installation in ARROW.  
(d) Memo AAWS to COR S1038CN-183 AMTS AAWS  
21 July 58 ARROW Weapon System Genie Installation  
(e) Memo AMTS-VCAS S1038CN-180 AMTS/AAWS  
6 Jan 58 ARROW 2 Operational Capabilities.

COR

ARROW Weapon System - Genie Installation

1 In accordance with CAS direction reference (a), contractual action has been requested to initiate the Genie development programme at AVRO. The programme submitted by AVRO reference (c) indicates a period of 4 years from go ahead to squadron introduction. The requirement stated by the CAS that Genie installation be operational coincident with introduction of the ARROW to Squadron will mean:

- (i) Probable large increase in development cost since it is assumed that the Genie installation will be separate but parallel programme and should in no way detract from the main objective of providing the ARROW Weapon System as described in reference (e).
- (ii) Reallocation of test aircraft i.e. possible diversion of phase 6 or 8 aircraft to this programme.
- (iii) Increase production cost to provide Genie packs for Squadron Aircraft.
- (iv) Possible increase in construction at ADC bases for storage maintenance etc. of this type of weapon.

2 The contractual arrangements that will enable AVRO to proceed with programme could be completed by 1 Sep 58. In order to determine the cost and technical implication of accelerating the programme of reference (c) the following needs clarification and/or confirmation.

- (i) Assumption of 1 (i) is correct.
- (ii) Concept of operation with Genie.
- (iii) If necessary aircraft from phases 6 and/or 8 will be available to support the programme.

3 On receipt of your reply and on the return of AVRO from vacation, it will be possible to establish a more definitive programme to meet the requirement.

(GG Truscott) A/C  
CAE

cc: AWS 2  
AWS 4  
DDP  
AAWS/MP2