

SECRET

~~SI 1038CN-180~~(AMTS/AAWS)

51038CN-183-5

MEMORANDUM

: 9 Jan 58.

DADR/RPO Arrow

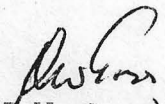
① Arrow 2 - Installation of the Genie Unguided Rocket

1 This memo refers to discussion between W/C P. Peter, W/C D.W. Goss, ~~W/C~~ G. Peek and Mr. G. Oscar on the 8 Jan 58.

2 In addition to the Sparrow 2 missile, OCH 1/1-63 dated 27 Nov 57 requires that a nuclear warhead capability be provided in the armament. We propose to install the Genie unguided rocket with a nuclear warhead suitably modified for supersonic launch in fulfillment of this requirement. As you are aware this basic capability is already engineered into the Astra system.

3 The contractor (Avro) will be instructed to submit a proposal to install the Genie rocket. In order that we may be in a position to assess their submission, we believe that a feasibility study should be done on the operational aspects of the weapon system equipped with the Genie, and especially on the firing tactics to ensure a safe exit from the firing zone after launch.

4 We, therefore, request that DSE and/or CARDE be requested to undertake such a study and to provide results that will enable the RCAF to render a decision on whether or not the Genie installation in the Arrow aircraft should proceed. The study should be complete by 1 Apr 58.

  
(D.W. Goss) W/C  
for AAWS.

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RBH/dl  
AWS 3-3-3  
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