



CANADA

C
O
P
Y

Department of National Defence

Royal Canadian Air Force

CONFIDENTIAL

No S1038CN-109-3 (RCA/PR)

Camden 2, N. J.
10 September 1957

The Director, Washington Office,
Canadian Department of Defence Production,
P. O. Box 4897, Cleveland Park Station,
Washington 8, D. C.

Subject: Arrow Electronic System
Contract AF-33(600)-33522
Genie Visit Clearances - AVRO Personnel

Dear Sir:

The Genie (MB-1) Rocket is included in the Arrow Weapon System armament requirements.

During discussions with the USAF, it has been determined that most of the Genie technical details and reports are in a non-Restricted Data category. It has also been established that both RCA and AVRO must work very closely to complete the design of both the electronic system and the aircraft weapon installation. Genie data held by the RCAF, RCA and AVRO is insufficient to complete such a satisfactory design.

It has been agreed that a number of joint RCA/AVRO visits to appropriate USA establishments is necessary. These are:

- (a) Air Force Special Weapons Center, Kirtland Air Force Base, Albuquerque, New Mexico.
- (b) Douglas Aircraft Company, Santa Monica, California.
- (c) Convair Division of General Dynamics Corporation, San Diego, California.
- (d) Northrup Aircraft, Inc., Hawthorne, California.
- (e) Air Force Armament Center, Eglin Air Force Base, Valparaiso, Florida.
- (f) Wright Air Development Center, Wright-Patterson Air Force Base, Ohio.

The purpose of these visits is to discuss the following non-Restricted Data aspects:

- (a) Mechanical and electrical details, including drawings and specifications, adequate to permit complete design of a suitable aircraft weapon installation.
- (b) Carriage, launching, release and separation aspects, particularly at high Mach numbers.
- (c) Aerodynamics, flight characteristics and ballistics, including trajectory, range, etc.
- (d) Boresighting accuracy requirements and methods of alignment, related to both mechanical design, and fire control subsystem design and alignment.
- (e) Review of pertinent reports.

CONFIDENTIAL

CONFIDENTIAL

Concurrent action is being taken by the company to process both a need-to-know and visit clearances for RCA personnel to the above listed activities. It is requested that suitable visit clearances, covering a period of six months, be processed for the following AVRO personnel, who are included on the CF-105 Project Clearance List:

James H. Chamberlin
Ian R. Craig

The importance and urgency for obtaining the necessary design information cannot be over-emphasized; your timely action in this matter would be very much appreciated. Both W/C E. L. Baudoux and W/C R. F. Milne have been advised of this request.

Yours truly,

(F. L. Bernstein)
Wing Commander
RCAF Plant Representative
Radio Corporation of America

cc: DIEEng
DArmE
DAEng
OC TSDs/AVRO
J. H. Chamberlin/AVRO
DDP, Ottawa/Miss P. Hawkes
CJS(W)/2 copies

CONFIDENTIAL