



DEC 12 RECD

S/L Armstrong

Inter-Departmental Memorandum

Ref: 3005/09/J
Date: August 20, 1958
To: Mr. S. E. Harper
From: T. Roberts
Subject: SLEEVE DEPLOYMENT OF DECELERATION PARACHUTE

R.F.T. 5060, covering testing of sleeve deployment on aircraft 25202, is attached. As noted on the R.F.T., it is expected that the sleeve deployment parachute will be available approximately Sept. 15, 1958

T. Roberts

BT/b

T. Roberts
Technical Design Coordinator
FLIGHT TEST

C.C. .
Messrs C. Lindow
J. Chamberlin
F. Brame
F. Mitchell
P. Martin
D. Scard
D. Woolley (6)
W. Alford
C. Marshall
B. Tennant
S. Whiteley
J. Ames
D. Ridler
J. Lynch
J. Gale
J. Scott

W/C G. Waterman
W/C G. Waterman (2) AVRO T.S.D. RCAF
for transmittal to
S/L K. Owen C.E.P.E.
Detachment

Central Files



AVRO AIRCRAFT LIMITED

MALTON, ONTARIO

REQUISITION FOR FLIGHT TEST

R.F.T. NO. 07-5060

SHEET NO. 1 OF 2

DATE: August 20, 1958

AIRCRAFT 25202

ASSIGNMENT NO. X73-4093

WORK ORDER NO.

SLEEVE DEPLOYMENT OF DECELERATION PARACHUTE

1. OBJECT

To determine if sleeve deployment of the deceleration parachute is superior to the existing system.

2. EQUIPMENT

2.1 Three 24 ft. deceleration parachutes packed for sleeve deployment.

2.2 Two movie cameras - one at 64 frames/second, and the other set at 100 frames/sec.

2.3 Dynamic deployment load as per R.F.T. 5034 and I.D.M. 9671/01/J.

3. PROCEDURE

3.1 Two of the supplied parachutes are to be deployed during taxi trials; one during a low speed run (at 110 ± 10 kts), and the other during a high speed run (at 135 ± 10 kts.).

The third chute is to be deployed during a landing immediately after touchdown of the nose wheel (but not at a speed greater than 175 kts).

3.2 Complete two camera movie coverage of each streaming sequence is required.

3.3 The dynamic deployment loads are required for each streaming; these loads are to be plotted against true A/C speed.

3.4 For each streaming wind speed and direction are required at the time of streaming.

R.F.T. PREPARED BY:
B. Tennant

APPROVED BY:

AUTHORIZED BY:

DATE FOR COMPLETION

PRIORITY

ESTIMATED COMPLETION
DATE:



AVRO AIRCRAFT LIMITED

MALTON, ONTARIO

REQUISITION FOR FLIGHT TEST

R.F.T. NO. 5060

SHEET NO. 2 OF 2

DATE: August 20, 1958

AIRCRAFT 25202	ASSIGNMENT NO.	WORK ORDER NO.
----------------	----------------	----------------

4. DATA

4.1 Results of 3.2, 3.3 and 3.4.

NOTE:- Sleeve type parachute deployment is expected to be available approx. September 15, 1958.

R.F.T. PREPARED BY:	APPROVED BY:	AUTHORIZED BY:
DATE FOR COMPLETION	PRIORITY	ESTIMATED COMPLETION DATE: