BM2-1-64
19.9.55
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Mr. J. Lukasiewicz
Mr. O.E. Michaelsen

A meeting was held in Room 113 of Bldg. M-2 on Friday, September 16, to discuss procedure to be used in carrying out a supersonic fighter configuration study in the Flight Research and Aerodynamics Sections.

It was agreed that the following information should be gathered together and reproduced for the use of those carrying out the work. Those responsible for gathering each item of information are listed.

1. Avro estimates of PS-13 installed thrust and fuel consumption - Michaelsen.

2. Copies of PS-13 engine and afterburner drawings - Michaelsen.

3. Details of the CF-105 rear end airframe geometry, showing by-pass and ejector shape, with important dimensions - Michaelsen.

4. Pressure recovery and mass flow data for PS-13 engine as installed in CF-105 - Lukasiewicz.

5. CF-105 weight and centre-of-gravity list, especially as it pertains to items of fixed equipment - Michaelsen.

6. "Net fuselage volume". The volume of the CF-105 fuselage with engine space, ducts, and fuel space subtracted - Templin.

7. A breakdown of CF-105 fuselage volume into parts which may be of interest in configuration study, e.g., armament bay, ducts, fuel, etc. - Templin.

8. CF-105 fuselage nose cone angle. This to be obtained directly by Templin from CF-105 drawings, but checked with Avro by Michaelsen to determine any limiting value.

9. Empirical equations for estimating structure weight - Templin to obtain from Michaelsen's notes.

If possible, all of the above is to be reproduced, and distributed by Friday September 23, to those engaged on the study. Possibly two copies of all data should go to Flight Research.

RJT

R.J. Templin.

c.c. Mr. P.J. Pocock
Mr. A.D. Wood

RJT/FM