

INTERIM VERSION OF THE CF-105

In the period from 1958 until the introduction of the CF-105 into operational service in 1961, the RCAF presently propose to rely on CF-100 Mark 6 aircraft equipped with O.S.R. and Sparrow-2 Missiles.

From time to time Avro have proposed more advanced versions of the CF-100 including versions with thin wings and Orpheus engine tip pods etc. to achieve performance more compatible with dealing with the Bison type threat. To be available in the time scale considered however, these versions would have required a go-ahead prior to January, 1956 with deliveries starting early in 1958.

It is therefore now considered to be too late to introduce these versions of the CF-100 and, in any case, it is understood that the RCAF will not consider a variant beyond the Mark 6, except on a prototype basis.

In order therefore to meet the Bison type threat in the period considered, we have carried out a preliminary study on a version of the CF-105 which could be available in the required time scale. We have called this version the CF-105A which, in principle, is an interim version of the CF-105, which, while not meeting the full R.C.A.F. AIR 7-4 Specification, has sufficient performance

and fire power to make it a superior weapon to the CF-100 and reasonably comparable to the contemporary F-101 and F-102.

The advantage of this program is that aircraft produced on this basis could be brought up to full operational CF105 status relatively easily at a later date. Therefore, there is no question in this case of obsolescence, which would be the case with any advanced version of the CF-100.