

DEVELOPMENT PROGRAM PROJECTS OF A CONTINUING NATURE

The detailed cost forecast attached indicates the cost of carrying certain continuing Development projects further than will be possible under the Development Program which terminates September 30, 1960.

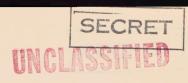
In our view, the Development Program should terminate with the delivery of the first operational aircraft and, accordingly, we have limited the statement of work for the Development Program to that date. It will be appreciated, however, that certain engineering testing and evaluation work, other than Engineering Support to Production, which stems from the Development Program would normally continue for some time in parallel with squadron production. Accordingly, we have shown those items which might be covered under separate contract provision (similar to the Project K arrangements on the CF-100 Program) if the RCAF and DDP so request.

UNCLASSIFIED

WORK IN PRODUCT IMPROVEMENT CONTRACT WHICH COULD BE CARRIED ON AFTER SEPTEMBER 30, 1960

	Oct.1/Mar.31 1960/1961	1961/1962	TOTAL
	\$	\$	\$
Preliminary engineering of the Arrow Aircraft 4.1.3	50,000	33,600	83,600
Design, specification and operation of systems analysis and flight simulation aids, including analog computer, for use in stability, control, autopilot and airframe systems problems. Operation of cockpit simulator and flying control test rig in conjunction with analog computer shall be included. 4.2.4	75,000	26,250	101,250
Structural and systems ground testing including the design and specification of test specimens and the design and construction of test rigs and facilities. Major items covered by this paragraph are:	150,000	52,500	202,500
 (a) Arrow 1 and 2 air conditioning. (b) Arrow 1 and 2 fuel system (c) Flying controls. (d) Landing gear (e) Static test aircraft (f) Genie/Falcon weapon pack including ground firing. 	UA	UNCLASSIFIED	
Instrumentation for Avro flight test program:	250,000	157,500	407,500
(a) Design and specification of airframe sensing and airborne data recording instrumentation.			ma pale
(b) Design of instrumentation installation including the manufacture of special parts for mounting, and installation, check-out and calibration of instrumentation.			1-
(c) Design, provision and installation of changes to airborne instrumentation.			
(d) Maintenance of airborne instrumentation. 4.3.5 Instrumentation for Orenda Engines Limited flight test program:	35,000	26,250	61,250
(a) Design of the installation of airborne data recording instrumentation.			
(b) Installation, check-out and calibration of instrumentation.			

(c) Assistance with the maintenance of and changes to instrumentation.



		Oct.1/Mar.31 1960/1961	1961/1962	TOTAL
4.3	6	\$	\$	\$
Inst	trumentation for RCAF flight test	50,000	31,500	81,500
(a)	Design and specification of airframe sensing and airborne data recording instrumentation.			
(b)	Design of instrumentation installation including the manufacture of special parts for mounting, and installation, check-out and calibration of instrumentation.			
4.4. Plan prog	ining and conduct of the Avro flight test gram including:	600,000	210,000	810,000
(a)	Detail planning of test programs.			
(b)				
(c)	Recording and reduction of flight test data.			
(d)	Pre-flight testing			
	Provision of flight crews.			
	Briefing and debriefing of flight crews.			
(g)	Supply of flight test data to Orenda Engines Limited.			
of a	tenance and operation at Malton by Avro ircraft 25201 through 25214 together with Sabre 6 and one CF-100 Mk.5 chase air- t. This shall include:	1,400,000	525,000	1,925,000
(a)	Maintenance and operation of MA-1 electronic system, Genie rockets and Falcon missiles.			
(b)	Supply of fuel and oil.			
(c)	Procurement of maintenance assistance from sub-contractors other than Hughes Aircraft Company.			
(d)	Support to RCAF Phase 2 program on one Arrow 1 aircraft.			
	For procurement of HAC technical assistance see 13.8)			

-	Manager son	Anny light of pullward from the control of the Color of C	UNCLASSIFIED		
(Mystell)	SARON AT CONTROL OF	PUTDESSENDER ORDENSSENDER SONDER (TOTS EST EST FRANKAS MODERNE BESKREIN ORDEN FRANKAS FRANK	Oct.1/Mar.31 1960/1961	1961/1962	TOTAL
	the	uct of an aircraft/FCS/weapon develop- program at a base to be designated by RCAF on three Arrow 2 aircraft equipped Genie/Falcon weapon packs including:	600,000	315,000	915,000
	(a)	Maintenance and operation of three Arrow 2 aircraft for approximately nine months.			
	(b)	Provision of personnel to support the flight test program.			
	(c)	Provision of technical assistance from major sub-contractors.			
	(d)	Provision of GSE.			
	(e)	Provision of modifications to enable each of these aircraft to be used as targets when necessary.			
	(f)	Provision of mobile repair parties and modification kits to conduct necessary changes to these ai rcraft during the program.			
	base Arro	ort of RCAF evaluation programs at a to be designated by the RCAF on six w 2 aircraft fitted with Genie/Falcon on packs including:	550,000	262,500	812,500
	(a)	Provision of personnel to assist the evaluation program.			
	(b)	Provision of technical assistance from major sub-contractors.			
	(c)	Provision of maintenance for airborne instrumentation.			
	Note	l: Aircraft allocation to this program will be four to six aircraft, depending on need for attrition replacements. See aircraft allocation chart.			•
	Note	2: For provision of mobile repair and maintenance parties, service representatives and modification kits to support this operation see 3.3.3., 11.4 and 12.23.			

	IMPLACORER		
	Oct.1/Mar.31 1960/1961	1961/1962	TOTAL
6.4 Provision of services and materials for maintenance appraisal and the collection and preparation of maintenance and logistics data on the airframe and associated GSE. 6.7	50,000	15,750	65,750
Preparation and publication of periodic Arrow program reports, as follows:	45,000	16,800	61,800
(a) Quarterly physical report (b) Quarterly financial report (c) Monthly letter report.			
6.8 Provision of Engineering data and reports on request from the RCAF including:	35,000	21,000	56,000
(a) Performance and weights reports.(b) Ground and flight test reports.			
(c) Wind tunnel, strength and system reports.			
6-11 Preparation and publication of special Weapon System Co-ordination reports.	12,000	da	12,000
6.12 Preparation and maintenance of Arrow 2 systems brochures. (Work terminated).	2,000	esi	2,000
7.16 Study and analysis of technical problems with respect to GSM on request from the RCAF, and recommendations of solutions to these technical problems.	30,000	21,000	51,000
	\$3,934,000	\$1,714,650	\$5,648,650
			TOTAL CONTRACTOR OF THE PARTY O