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Study
Plan up & VCS
and com
MEMORANDUM

830-2 (Acting C/Mat)

23 Jul 58

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AMTS

RCAF Programmes - Progress Records

1 At a meeting in your office on 4 Mar 58 you directed D/AMTS, CTel, CCE, CAE and C/Mat to institute a graphic progress record of projects to improve their control, to keep you informed of the reasons for delay and to enable corrective measures to be taken when undue delays or programmes got out of phase.

2 I would like to report to you that this project was implemented within C/Mat on 5 Mar 58 and has proved most beneficial to not only our own staffs but as a medium of keeping programme initiators, i.e. VCAS staffs, informed of the developments. In this regard I advised COps, COR, CTrain, etc. on 3 Apr 58 of the fact that progress records were being maintained within C/Mat covering pre-production and production projects and invited them to make use of this information to the fullest extent they required.

3 I understand A/C Cornblat discussed the over all materiel programme with you some two weeks ago and promised to provide you with a listing of projects which were in the 1958/59 programme on which no procurement action had been initiated. Appendix "A" lists the main projects and provides the current status of each project.

4 With regard to the projects listed under Primary 65, which incidentally constitutes the major portion of Appendix "A", CTel/ATPC hastened the various CTel directorates two or three weeks ago and requested a report as to why the projects had not been actioned. The remarks in Appendix "A" do in the main constitute the replies of CTel directorates or advance information on those which had not been reported on to ATPC.

5 You will note that a number of the projects refer to inactivity because of their dependence on the production phase of the Arrow programme. Again, the remarks in Appendix "A" were compiled prior to the Minister's decision last Friday, 18 Jul 58, to proceed with more detailed plans for the production programme and as you know the submission to Cabinet for this phase is now in the hands of the CAS for forwarding to the Minister. The remarks in Appendix "A" must therefore be read in relation to the situation which existed prior to last Friday.

6 It is my further understanding that you intend to use Appendix "A" as a medium of getting major programmes on track as well as providing your successor with a recapitulation of the unactioned parts of various programmes. In this respect the memorandum from the CAS dated 9 Jul 58 pointed out that not only was the RCAF in a critical position to meet its obligations but that every effort must be made to economize and to take all steps possible to reduce expenditures in 1959/60 to a minimum since commitments were of such magnitude in that period as to render doubt whether or not they could be met. I have alerted my staff of this precarious position and have directed them to take all action possible to keep current projects in line with previous forecasts; also, to report those of any magnitude which become out of phase, to enable us to take the required corrective measures at the appropriate level to bring about realignment wherever possible.

7 Please call me if you require any additional data on any of the projects.

A.H. Mielke
(A.H. Mielke) G/C
Acting C/Mat
(2-3417)

VCAS
note underlines
H/AMTS
JUL 29 1958

APPENDIX "A"

To: 830-2 (Acting C/Mat)

Dated: 23 Jul 58.

PRIMARY 62

<u>Description</u>	<u>Funds</u>	<u>Remarks</u>
Arrow	\$167.955	MR will be prepared in Aug for \$167.955. Total in 58/59 estimates for the Arrow programme was \$171.655M. \$3.7M was previously encumbered in CD 762024 AL #1. It has not been necessary to prepare the MR prior to this time as sufficient funds were already available in the programme.
4 H19 Helicopters	\$980,000	No MRs prepared as yet. MRs on these two programmes have been held in abeyance, pending approval or direction on the two TB submissions for 4 H13s and 2 H34s presently held by the DM's office.
1 H34 Helicopter	\$425,000	
8 - CC106	\$37.300M	TB prepared but not submitted. A TB submission was prepared for the additional 8 - CC106 aircraft but is being held pending a re-analysis of the UE and total requirement by the VCAS.
Medium Range Transport	\$6.08M	These funds used for the Convair Cosmopolitan programme.

PRIMARY 65

<u>Description</u>	<u>Funds</u>	<u>Remarks</u>
ECCM Console for GCI and ECCM Devices	\$1,000,000	MR submitted for ECCM devices for ground radars for \$351,000.
SAGE Equipment	\$34,500,000	Programme awaiting Cabinet approval.
Intercept Control Equipment for heavy radar GPA-23	\$7,504,000	Deleted from programme, as suitable equipment not yet available.
Dual Channel "L" Band Radar (AN/FPS-20)	\$898,000	Submission to Air Council being prepared. Project may not be implemented until after Cabinet decision on SAGE has been made.
100,000 ft. Search Radar Dual Channel	\$3,478,000	Deleted from programme.
Cuff for Radar Stations	\$578,000	Deleted from programme.
Problems for Rand System Trainers	\$550,000	MR action last quarter 1958/59. Action being deferred pending first deliveries on existing contract.
Vertical Display Boards	\$ 70,000	2 are being procured for a total cost of \$20,000 - no other definite procurement action can be forecast at this time.
SIF Equipment (Coder) Tester	\$540,000	Investigation re suitable tester not yet completed. Expect MR action by Oct 58.
Sonobuoy Receiver AN/ARR-26A	\$ 38,000	Subject to recount of existing stocks before deciding on additional procurement required.
Chaff (Window)	\$150,000	New types are being evaluated and waiting completion of these tests. Order will be placed in last quarter.
UHF Homer (AN/ARA-25)	\$ 43,000	MR will be raised within the next two weeks.
Pen Recorder Equipment for EER	\$456,000	Deleted from Prim. 65 programme.
Transmitting Set Countermeasures (AN/ALT-501)	\$1,021,000	Deleted from programme.
Antennas for AN/UPD-501	\$ 71,000	Deleted from programme.
Communications using IFF	\$111,000	Deleted from programme.

PRIMARY 65

<u>Description</u>	<u>Funds</u>	<u>Remarks</u>
Remote Controlled Rx Systems	\$ 80,000	MR action expected by 1 Aug 58. Delay due to further study of channel requirements.
Engineering Study	\$100,000	This requirement is closely related to the overall automaticity programme which has not materialized to the extent originally anticipated to enable the study to proceed. It is anticipated that only \$10,000 will now be required in 1958/59 and the balance deferred to 1959/60. Implementing action cannot be initiated until policy decision on SAGE is made.
Automatic GCA	\$480,000	No selection of equipment possible at this date. Item deferred to 1959/60.
Airfield Surveillance Radars	\$1,050,000	Difficulty has been encountered in finding an equipment which has all the features required by the OCH. The OCH is being reviewed by COR as directed by CAS but it is unlikely that firm selection will be made before Sep 58.
Transportable LF/MF Beacons	\$ 66,000	Cancelled from Programme.
Airborne Doppler Navigation Equipment AN/APN501	\$1,110,000	This has been referred back to the Ad Hoc Navigation Committee for further study. In meantime funds have been placed in Primary 69.
UHF Airborne Homer	\$179,000	This item was originally intended to meet the requirement for Neptune a/c. This need has been met by taking equipment from stock intended for ECM role. An MR will be raised within next two weeks to replace same.
TACAN	\$14,443,000	Selection of equipment is expected by Sep 58. MR will be raised as soon as possible thereafter.
SIF Equipment	\$852,000	An MR for a portion of this requirement is now being raised. Action to implement remainder will be taken within next two months.
Ground-air Data Transmission	\$5,360,000	This requirement ties in with the overall automaticity requirement. Project will not be initiated until after policy decision is made re SAGE.
Fixed Coil Plan Position Indicators	\$384,000	Item held in abeyance pending the outcome of discussions with AFHQ and ADC. No procurement action can be taken until requirement is defined by COR.

APPENDIX "A"

To: 830-2 (Acting C/Mat)

Dated: 23 Jul 58.

PRIMARY 65

<u>Description</u>	<u>Funds</u>	<u>Remarks</u>
VHF/FM Vehicle Radio	\$ 61,000	MR action expected by 15 Aug 58. Reason for delay is due to change in requirements.
Standard Control Tower Consoles	\$700,000	MR action is expected by 1 Sep 58. Delay in implementing due to modifications to specification arising from trials of prototype.
Telescramble Equipment	\$ 50,000	Design and evaluation of prototype will not be completed before 1 Dec 58. CD action in the amount of \$10,000 only will be taken shortly thereafter. The balance of the funds will be deferred to 1959/60.
Alerting and Directing	\$163,000	Because of operational changes and possible conflict with Civil Defence methods the alerting system part of this requirement has been deferred. It is expected that MR action will be taken to cover the directing part of the system for a reduced amount of \$61,000 by 1 Dec 58. Commitment of balance is contingent upon clarification of the operational requirement.
Intercom and PA systems	\$152,000	This item was programmed in anticipation of new buildings. Buildings have not progressed to state of requiring this equipment in the quantity estimated. It is therefore anticipated that MR action will be taken by 1 Dec 58 in the amount of \$25,000 only, the balance of funds to be deferred to 59/60.
Frequency Shift Keyers	\$ 9,000	Requirement being re-studied. CD action or cancellation of item from programme is expected by 1 Aug 58.
Volume Limiters	\$ 18,000	Prototype of this equipment now being evaluated and expect CD action to be taken by 1 Dec 58.
UHF antennas Type AN197/GR	\$ 7,000	Item deferred to 1959/60.
Mod Kits AN/GRT-3	\$ 85,000	Dependent on Cabinet policy decision on SAGE.
DC Power Supply PP/894	\$ 14,000	This item is being deleted from programme.
Tropospheric Scatter	\$500,000	This item is the subject of an Air Council submission forwarded to VCAS/Sec 11 Jul 58. MR will be raised as soon as Air Council submission approved.
Broadband Vertical Antenna	\$ 60,000	Requirement being re-studied. MR action or cancellation from programme expected by 1 Sep 58.

PRIMARY 66

APPENDIX "A"
To: 830-2 (Acting C/Mat)
Dated: 23 Jul 58.

<u>Description</u>	<u>Funds</u> (in millions)	<u>Remarks</u>
Argus OFT ea. 1	\$1.0	Estimated cash for 58/59 to be only \$50,000. Programme transferred to and still in Primary 69, pending decision on whether to proceed with tactical portion of first OFT in Development funds, now under review.
Arrow OFT ea. 3	4.5	Transferred to Primary 69 awaiting sufficient progress on the one OFT in Development funds to be able to state a firm requirement and cost. Draft TB submission held awaiting this data. Estimated 1958/59 Cash is \$100,000.
Arrow AST ea. 2	3.0	One AST in Development funds will probably be used at Camp Borden for technician training. The requirement for two production ASTs has deteriorated to about half of one AST for the OTU at Cold Lake. No action possible until requirement firms up and costs become available from Development experience. Estimated Cash 1958/59 \$100,000.
SA16B AST ea. 1	.5	Deferred and transferred to Primary 69, awaiting decision on the aircraft.