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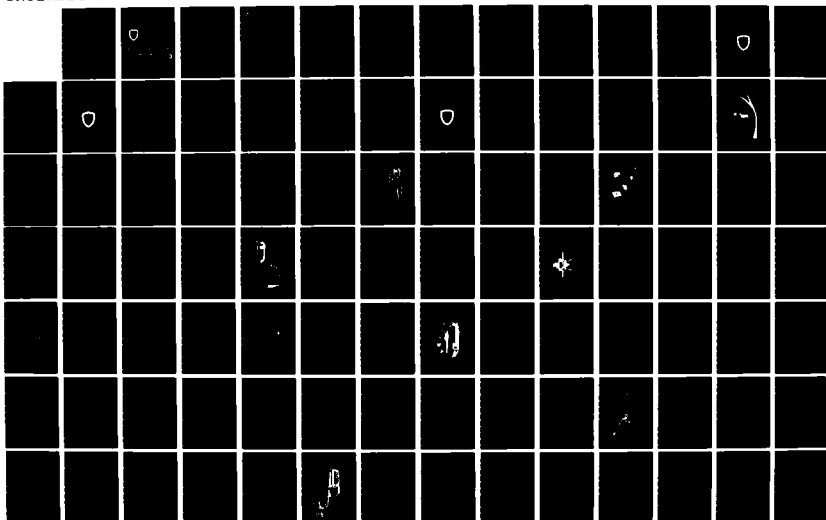
MANUFACTURING METHODS AND TECHNOLOGY PROJECT EXECUTION
REPORT(U) ARMY INDUSTRIAL BASE ENGINEERING ACTIVITY
ROCK ISLAND IL D O'CONNOR OCT 85 SBI-AD-E700 022

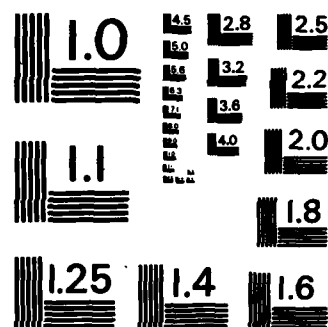
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U. S. ARMY MATERIEL COMMAND



MANUFACTURING METHODS & TECHNOLOGY

PROJECT EXECUTION REPORT

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FIRST CY85

PREPARED BY

OCTOBER 1985

USA INDUSTRIAL BASE ENGINEERING ACTIVITY

PRODUCTION ENGINEERING DIVISION
ROCK ISLAND, ILLINOIS 61299-7260

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This document is a summary compilation of the Manufacturing Methods and Technology Program Project Status Reports (RCS DRCMT-301) submitted to IBEA from AMC major Army subcommands and project managers. Each page of the computerized section lists project number, title, funding, and projected completion date. Summary pages give information relating to the overall AMC program.		

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DEPARTMENT OF THE ARMY
US ARMY INDUSTRIAL BASE ENGINEERING ACTIVITY
ROCK ISLAND, ILLINOIS 61299-7260

REPLY TO
ATTENTION OF

21 OCT 1985

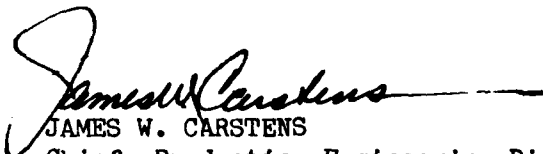
AMXIB-PS

SUBJECT: Manufacturing Methods and Technology (MMT) Program Project
Execution Report, First Half CY85

SEE DISTRIBUTION

1. Reference AR 700-90, paragraph 3-4j(1), 15 Mar 82, subject: Logistics, Army Industrial Preparedness Program.
2. The Project Execution Report is a summary compilation of the MMT Project Status Reports (hJS DRCMT-301) submitted to IBEA from AMC Major Army Subcommands (SUBMACOM) and project managers. This document is used as a management tool for monitoring trends of the MMT Program and includes a discussion of the overall AMC Program. There are separate sections in the report showing projects that are new, active, and completed.
3. Due to the recent reorganization at HQ AMC, the MMT Program and the administration of the program are changing. In addition, the recent publication of DODI 4200.15, Manufacturing Technology Program, is also causing changes. New reporting forms are being identified and outputs such as this Execution Report will ultimately be revised to reflect the changes. In the interim, this edition of the Execution Report is similar to format to the previous editions; however, the narrative work status summary has been excluded. It is expected that in the future this status will be reinstated and written around the total work effort rather than around each individual fiscal year.
4. Persons who are interested in the details of an individual project should contact the Manufacturing Technology representative at the SUBMACOM. A list of those representatives is included in Appendix I to this report. The Project Officer for this task is Ms. Debbie O'Connor, AUTOVON 793-3682.

FOR THE DIRECTOR:


JAMES W. CARSTENS
Chief, Production Engineering Division

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DISCUSSION

Background

The Army Manufacturing Methods and Technology (MMT) Program was established in 1964 as a part of the Army Production Base Support (PBS) Program. The MMT Program has goals of improving existing manufacturing technology, translating new technology into production line processes, and supporting the modernization and expansion of the military hardware production base. The program is governed by the provisions of AR 700-90, Chapter 3.

In May 1985, DODI 4200.15, Manufacturing Technology Program, was signed into effect. In August 1985, a reorganization at HQ AMC eliminated the office of the Deputy Chief of Staff for Manufacturing Technology as a separate organization. Both of these events are causing changes to be felt in the administration of the MMT Program. Input reports and procedures, as well as output reports, will need to be redefined. In the interim, this report represents the MMT execution status of projects during the transaction period. In this transaction report, the narrative work status and the project slippage have been deleted. It is expected that both will be reinstated in the future but will be based on the total MMT work effort rather than each fiscal year task.

Composition of the Report

This MMT Project Execution Report provides the status summaries of 458 active projects which have a total authorized cost of \$261.6 million. Total MMT program statistics of the active projects are also included. The report is compiled, edited, and published for HQ AMC by the Production Engineering Division of the Army Industrial Base Engineering Activity (IBEA) in accordance with AR 700-90, paragraph 3-4j(1).

During September 1985, a readership survey was mailed out to recipients of the Project Execution Report to determine the level of readership and the degree of interest. Out of 130 questionnaires, 36 recipients replied. Responses and comments from these questionnaires will be taken into account in the report redesign which will be accomplished as a result of the events discussed above.

Distribution of this report is extended to Army materiel developers and users and to counterparts in the Navy and the Air Force. Inquiries on the detailed technical aspects of any individual project may be answered by the MMT Program representative of the action command under which the project was completed or is being executed. Inquiries or suggestions concerning this report or other facets of the MMT Program may also be directed to the Production Engineering Division of IBEA.

The report is composed of three major sections:

- a. Projects Added 1st Half, CY85 - A list divided by organization of all projects funded during the first half of CY85. Included is a narrative of the problem for each project.
- b. Final Status Reports Received During 1st Half, CY85 - A list divided by organization of all projects for which final status reports were received during the first half of CY85.
- c. Summary Project Status Report - These reports are divided by organization and include a summary of funding by fiscal year for each active project.

Status Report Submissions

There are two areas which have been of concern in the past: (1) delinquent status reports, and (2) final status reports without technical reports. Figure 1 summarizes by Command these two situations.

STATUS REPORT (RCS DRCMT 301) SUBMISSIONS

COMMAND	*301 REPORTS REQUIRED	*301 REPORTS SUBMITTED	NUMBER AND (%) OF DELINQUENT 301 REPORTS**		NUMBER OF FINAL 301 REPORTS	NUMBER OF TECH RPTS SUBMITTED W/FINAL STATUS REPORTS	NUMBER AND (%) OF DELINQUENT TECHNICAL REPORTS	
AMETA	8	8	0	0%	0	N/A	N/A	
DESCOM	10	5	5	50%	0	0	0	0%
LABCOM	31	21	10	32%	3	1	2	67%
TMDE	4	4	0	0%	0	N/A	N/A	
MTL	8	7	1	12%	1	N/A	N/A	
AVSCOM	59	43	16	27%	5	1	4	80%
CECOM	31	30	1	3%	1	0	1	100%
MICOM	21	20	1	5%	6	5	1	17%
TACOM	55	52	3	5%	9	6	3	33%
AMCCOM (AMMO)	160	133	27	17%	23	10	13	57%
AMCCOM (WPNS)	121	112	9	7%	10	2	8	80%
TROSCOM	4	3	1	25%	1	1	0	0%
TOTAL	512	438	74	14%**	59	26	32	55%

Figure 1

* Does not include FY85 projects which were recently funded and which did not require a status report.

**Delinquency rate reflects a one week extension of the cutoff date. Actual delinquency as of the regular cutoff date was 145 reports or 28%.

According to this figure, there was a 14% delinquency in receipt of status reports, or 74 reports not submitted by the cutoff date.

Accuracy of MMT summary information for management depends on a complete submission of all the project status reports for each Command. Any delinquency creates a void in the information presented in the compiled report. Therefore, steps are taken to remind the Commands of the regulatory requirements for the submission of these reports. In July 1984, a call letter was mailed out to each SUBMACOM. Enclosed with this letter was a computerized listing of the specific projects for which a status report was required for this reporting period. When the additional steps were first taken in 1981, the delinquency rate dropped. However, since that time there has been no evidence of any additional, consistent improvement. During this period a delinquency rate of 14% was experienced. This is higher than the previous period's delinquency rate of 6%. The significant changes that the program has undergone, as well as the 60% cut which has recently been experienced in the FY87 program, are felt to be the main factors for the increase in the delinquency rate. Delinquency and timeliness are areas that must be improved in order to insure a useful review of the progression of the MMT Program.

Relative to the second area of concern, there has always been a requirement that a technical report be prepared for each project (i.e., each fiscal year of funding). The technical report is an accepted vehicle, and in some cases the only vehicle, for technology transfer. For this period, as noted in Figure 1, 59 final status reports were received. Fifty-five percent, or 32 of these reports, did not have a technical report. This is approximately the same high delinquency rate of 60% that was experienced during the last period. This continued high rate, to a certain extent, is a reflection of the fact that 45% of the projects which were closed out were funded with R&D funds (FY83 and later). The significance of R&D is that each fiscal year of funding does not necessarily result in a deliverable for which a technical report is easily developed. In many cases, it is viewed and executed as a level of effort with technical report documentation developed at whatever point it is technically reasonable to do so, rather than automatically at the end of the expenditure of each FY of funding. With the redefinition of MMT procedures, attempts will be made to formulate a technical report policy which is sensitive to fiscal year level of effort, yet responsive to the need for tech transfer documentation prior to the overall completion of extended work efforts. In addition, future issues of this document which address delinquent technical reports will likewise use a different basis for calculation in order to reflect the change in the "normal" way of doing MMT business resulting from the R&D funding. The 59 projects for which final status reports were received during this period can be found in a separate section on page 11.

Program Summary

Manufacturing Methods and Technology (MMT) projects and efforts are major elements of the Army's Manufacturing Technology (MANTECH) Program. AR 700-90 succinctly describes the MANTECH objective as the improvement of the industrial readiness and efficiency of the production base for Army materiel. Further defined objectives are stated in the Statement of Principles for the DOD Manufacturing Technology Program. This Statement, originating at the Deputy Under Secretary of Defense level, not only establishes ground rules for the Program but highlights the level of emphasis that the Program receives.

To attain the objectives described in the Statement of Principles, the Army, prior to FY83, funded discrete work units called "Projects" on a yearly basis. These projects, identified by a seven-digit number, contained work requests, which upon completion would result in an end product whose technical transfer could be effected. At times, in order to have a total work package which was implementable, (i.e., which could achieve the payback for which the work was funded) the scope was of such a magnitude that total funding in one fiscal year could be an inefficient use of resources.

In this event, the total work was multi-year funded, (i.e., be more than one project, each having a technically transferrable end product). These total implementable work units were called "Efforts". These efforts could consist of many projects or just be one project, depending on the amount of work required to achieve the implementable technical goal. Efforts are identified by a four-digit number which is the same as the last four digits of a project or projects which make up the effort.

For FY83 through FY85 the conversion from the Procurement Account to the R&D account will result in some administrative changes. An MMT "project" will, under R&D parlance, be considered a "task". Also, to accommodate the R&D obligational goals, these yearly funded tasks will likely become level of effort work rather than discrete, stand alone work units which result in end products whose technical transfer could be effected. Multi-year funding will probably become more prevalent in leading to the completion of an implementable work "effort".

A breakout of the active projects by fiscal year is shown in Figure 2. Over the past few years there has been a continued emphasis on closing out older projects. Currently, data is provided to AMC every quarter listing the active projects funded in FY80 and prior to monitor for completion. The success of this AMC follow-up is shown by comparing the fiscal years 76-81 for the 2nd half CY84 with the current period. Six months ago, there were 85 active projects for these fiscal years. There are only 65 projects for these years reported during the 2nd half CY84. This is a 23% reduction in older projects. In addition, the active FY82 and FY83 projects were reduced by 17% during the same period.

ACTIVE PROJECTS BY FISCAL YEAR

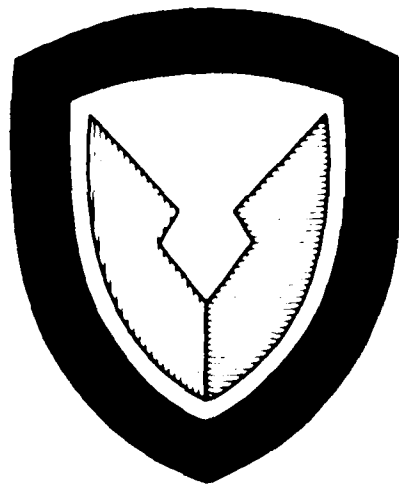
ORGANIZATION	76	77	78	79	80	81	82	83	84	85	TOTAL
AMETA/DESCOM		1	1	1	1	2	4		3	5	18
LABCOM				1	1	2	4	1	4	15	28
TMDE							1	1	1	1	4
MTL						1	1	1	2	2	7
TECOM						1	1	1	1	1	5
AVSCOM						2	9	4	21	18	54
CECOM				1	2	5	2	2	6	12	30
MICOM							1		3	11	15
TACOM			1		1	4	10	11	7	12	46
AMCCOM (AMMO)	1		1	3	2	8	22	11	44	45	137
AMCCOM (WEAPONS)	1			2	7	12	26	12	26	25	111
TROSCOM									1	2	3
TOTAL	2	1	1	2	8	14	37	44	119	149	458

2ND CY84												
TOTAL	2	1	2	2	10	18	50	93	59	130	149	516

Figure 2

MMT PROGRAM

PROJECTS ADDED 1ST HALF, CY85



PROJECTS ADDED IN 1ST HALF, CY65

DESCOM

0 85 1006

ROBOTIC REPAIR OF PRINTED CIRCUIT BOARDS - PHASE I

MANUAL METHODS FOR REPAIRING MULTILAYER PRINTED CIRCUIT BOARDS ARE INEFFICIENT AND COSTLY. A RAPIDLY INCREASING REPAIR AND TEST WORKLOAD OF HIGH TECHNOLOGY PRINTED CIRCUIT BOARDS IS SCHEDULED FOR FUTURE SYSTEMS.

0 85 8003

CCAD INTEGRATED MODERNIZATION PROGRAM

THE LACK OF STATE-OF-THE-ART MANUFACTURING AND PROCESSING TECHNOLOGY HAS RESULTED IN HIGHER OVERHAUL REBUILD COSTS AND IN LIMITATIONS TO BOTH PRESENT AND FUTURE MISSION NEEDS.

LABCOM

1 85 5010

IMPROVED TUBE

PRESENT TECHNOLOGY CAN NOT BE USED TO BUILD GRIDDED MILLIMETER WAVE TUBES. MUST USE HIGH VOLTAGE MODULATOR FOR PULSED OPERATION.

AVSCOM

1 85 7558

AH-64 AUTOMATED WIRE HARNESS FABRICATION

SYSTEMS ARE BEING DEVELOPED FOR AUTOMATED WIRE HARNESS FABRICATION, HOWEVER NONE ADDRESS THE PROBLEM OF EMI OR RFI AND THE PROBLEM OF WIRE TERMINATION.

TACOM

4 85 6000

LIGHTWEIGHT TILT-UP HOOD/FENDER ASSEMBLY

CURRENT HOOD/FENDER ASSEMBLY MADE FROM STEEL STAMPINGS ARE TOO HEAVY FOR ONE MAN TO LIFT.

PROJECTS ADDED IN 1ST HALF, CY85
(CONTINUED)

AMCCOR (AMPC)

5 85 4643

AUTO LINKING OF CAL .50 AMMUNITION

THE CURRENT LINKING AND PACKAGING OPERATION AT LCAAP FOR CAL 50 AMMUNITION IS LABOR INTENSIVE AND SLOW. THE CURRENT LINKERS ARE A MAINTENANCE PROBLEM DUE TO THE LACK OF A TDP AND REPLACEMENT PARTS.

5 85 4781

AUTOMATIC GAGE FOR THREAD INSPECTION

EXISTING INSPECTION PROCEDURES FOR MEASURING THREAD DIAMETERS AND OTHER THREAD CHARACTERISTICS IS TIME CONSUMING AND EXPENSIVE. IT IS DONE MANUALLY BY MANY TYPES OF CUSTOM GAGES. THE GAGES WEAR OUT AND REQUIRE FREQUENT REPLACEMENT.

TROSCOM

6 85 6074

ADVANCED HARDENED SHELTER COST OPTIMIZATION

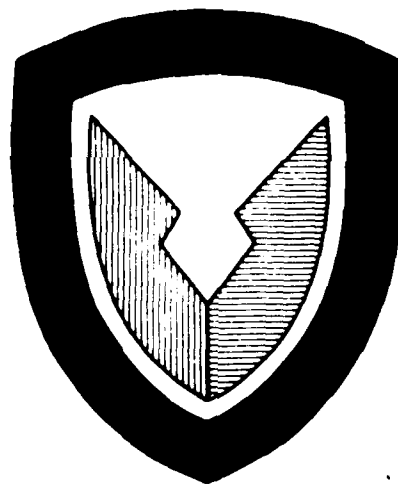
FIRST GENERATION HARDENED SHELTERS, NOW IN DEVELOPMENT, EMPLOY THE SAME MATERIALS AND FABRICATION TECHNIQUES USED IN THE PAST BY THE SHELTER INDUSTRY FOR THE PRODUCTION OF UNHARDENED DESIGNS. OLD METHODS MAKE THE NEW SHELTERS FIVE TIMES AS COSTLY.

TOTAL PROJECTS ADDED IN 1ST HALF, CY85 8

MMT PROGRAM

FINAL STATUS REPORTS RECEIVED

DURING 1ST HALF, CY85



FINAL STATUS REPORTS RECEIVED DURING 1ST HALF, CY85

LABCOM

F 83 5010
HYBRID MODULATOR FOR PULSED IMPATT MILLIMETER WAVE SOURCES

F 83 5109
PRECISION LOW-COST SAW DELAY LINES FOR JHF APPLICATIONS

F 84 5108
AUTOMATIC RETICLE INSPECTION SYSTEM - PHASE II

MTL

M 80 8350
MATERIALS TESTING TECHNOLOGY (MTT)

AVSCOM

1 81 7036
ISOTHERMAL ROLL-FORGING OF COMPRESSOR BLADES

1 84 7167
POWDER METALLURGY GEARS FOR HELICOPTER APPLICATIONS

1 85 7167
POWDER METALLURGY GEARS FOR HELICOPTER APPLICATION

1 81 7202
APPLICATION OF THERMOPLASTICS TO HELICOPTER SECONDARY STRUCTURE

1 82 7241
HOT ISOSTATIC PRESSED TITANIUM CASTINGS

CCCOM

M 85 5006
EYESAFE RANGEFINDER RECEIVER

RIICOM

D 85 1000
ELECTRICAL TEST AND SCREENING OF CHIPS

FINAL STATUS REPORTS RECEIVED DURING 1ST HALF, CY85
(CONTINUED)

3 84 1075
ELECTRONICS COMPUTER AIDED MANUFACTURING (ECAM)

3 84 1089
INTEGRAL ROCKET MOTOR COMPOSITE ATTACHMENTS

3 81 3449
ALTERNATE PROCESS FOR IPDI

3 83 3449
ALTERNATE PROCESS FOR IPDI

3 84 3449
ALTERNATE PROCESS FOR IPDI

TACUM

4 85 4001
MFG FOR CORROSION PREVENTION IN TACTICAL VEHICLES

4 85 4001 01
NON-CORROSIVE COMPOSITE ASSEMBLIES FOR TACTICAL VEHICLES

4 83 5005
COMPUTER AIDED DESIGN FOR COLD FORGED GEARS (PHASE II)

T 82 5019
STORAGE BATTERY LOW MAINTENANCE

T 79 5083
UPSCALING OF ADVANCED POWDERED METALLURGY PROCESSES-PH 3

T 82 6054
ADVANCED METROLOGY SYSTEMS INTEGRATION

4 83 6054
ADVANCED METROLOGY SYSTEMS INTEGRATION (PHASE II)

T 80 6059
LARGE CAST ALUMINUM COMPONENTS

T 80 6059 01
M2 AND M3 CAST ALUMINUM COMPONENTS

T 81 6076
AUTOMATED DEPT INSPECTION OF ROADWHEELS

FINAL STATUS REPORTS RECEIVED DURING 1ST HALF, CY85
(CONTINUED)

- T 31 6069
AGRAMS TANK PLANT - TECH MOD PROGRAM
- AMCCDM (AMMG)
- 5 82 1019
HMT PENTABURANE PROCESS ENGINEERING
- 5 80 1354
SLUDGE VOLUME REDUCTION AND DISPOSAL PROCESS STUDY
- 5 81 1354
SLUDGE VOLUME REDUCTION AND DISPOSAL PROCESS
- 5 80 4150
NEW MANUFACTURING PROCESSES FOR S&W AMMUNITION
- 5 81 4150
NEW MANUFACTURING PROCESSES FOR SMALL CALIBER PENETRATORS
- 5 81 4226
ON-LINE MONITORS FOR WATER POLLUTANTS
- 5 81 4267
CONTINUOUS PROCESS FOR GRANULAR CMP B
- 5 82 4273
AUTOMATED PRODUCTION OF STICK PROPELLANT
- 5 77 4311
DEVELOP AUTOMATED PRODUCTION EQUIPMENT FOR XM 692
- 5 81 4341
IMPROVED NITROCELLULOSE PURIFICATION PROCESS
- 5 82 4341
IMPROVED NITROCELLULOSE PURIFICATION PROCESS
- 5 82 4406
IMPROVING THE YIELD OF HMA DURING RDX NITROLYSIS
- 5 82 4444
BODY FOR M42/M46 GRENADE
- 5 82 4489
ADVANCED POLLUTION ABATEMENT TECHNOLOGY F/DARCOM FACILITIES

FINAL STATUS REPORTS RECEIVED DURING 1ST HALF, CY85
(CONTINUED)

- 5 82 4489 01
DISPOSAL OF WASTEWATER TREATMENT SLUDGES
- 5 82 4489 02
ADVANCED PINK WATER TREATMENT (TNT/RDX/HMX IN WATER)
- 5 82 4489 03
TERTIARY TREATMENT OF HOLSTON WASTEWATER
- 5 82 4489 05
ADVANCED AIR EMISSIONS ABATEMENT
- 5 83 4489
ADVANCED POLLUTION ABATEMENT TECHNOLOGY F/DARCOM FACILITIES
- 5 82 4508
PROCESS IMPROVEMENT OF PRESSABLE RDX COMPOSITIONS
- 5 83 4533
LUMA PROPELLANT PROCESSING
- 5 82 4534
XM835 BULLET CONVERSION OF SCAMP EQUIPMENT
- 5 84 4539
AUTOMATED CARTRIDGE CASE HARDNESS MEASUREMENT AND CONTROL
- 5 83 4548
PYRD SAFETY ENHANCEMENT
- 5 83 4548 01
MIXER SAFETY ENHANCEMENT
- 5 83 4548 02
TRANSPORT AND CONVEYING SAFETY ENHANCEMENT
- 5 83 4548 03
QUENCHING SAFETY ENHANCEMENT
- 5 83 4548 04
BAY DESIGN SAFETY ENHANCEMENT
- 5 83 4560
UV-CURE PAINT FOR LARGE CALIBER PROJECTILES
- 5 83 4663
REMOVAL OF BARIUM FROM COMP A-3, TYPE II WASTEWATER

FINAL STATUS REPORTS RECEIVED DURING 1ST HALF, CY85
(CONTINUED)

5 79 6693

BALL PROPELLANT DETERRENT COATING-CAM RELATED

ANCCOR (WPNS)

6 33 6103

HIGH VELOCITY MACHINING

6 34 6103

HIGH VELOCITY MACHINING

6 31 6134

COMPUTER INTEGRATED MANUFACTURING (CIM), DDNC

6 33 6231

IMPROVED CASTING TECHNOLOGY (CAD/CAM)

6 32 6234

AUTOMATED SURFACE COATING OF CANNON - PAINTING

6 32 6233

PRODUCTION/IN-PROCESS INSPECTION OF LASER RANGEFINDERS

6 32 6267

STRESS PEENING OF HELICAL COMPRESSION SPRINGS

6 33 6324

PROCESS CONTROLS FOR P/M WEAPON COMPONENTS

6 34 6402

WARM FORGING FOR WEAPON COMPONENTS

6 34 6403

DESIGN CRITERIA FOR HARDENING (CAD/CAM)

TRUSCOM

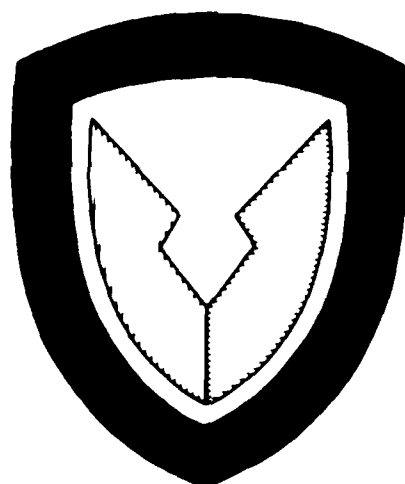
6 31 6717

HIGH TEMPERATURE TURBINE NOZZLE FOR 10 KW POWER UNIT

TOTAL PROJECTS COMPLETED IN 1ST HALF, CY85 59

MMT PROGRAM

SUMMARY PROJECT STATUS REPORT



MANUFACTURING METHODS AND TECHNOLOGY PROGRAM

SUMMARY PROJECT STATUS REPORT

The Summary Project Status Report for each major Army subcommand (SUBMACOM) is preceded by the tabulated SUBMACOM MMT project funding status. The accuracy of funding amounts is based on the individual project status reports. If a status report was not provided, a pertinent comment was added to show those projects that were delinquent.

The sample form on the reverse side of this page is an example of the format for the individual project reports that follow. The User's Guide on the next page explains the content of the print out and Table 1 on the following page identifies the commodity commands responsible for the execution of the projects.

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS ORCMT-301

PROJ NO.	TITLE + STATUS	AUTHO- RIZED	CONTRACT VALUES	EXPENDED LAWER AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
		(\$000)	(\$000)	(\$000)		
3 84 1060	ELECTRICAL TEST AND SCREENING OF CHIPS	1,000.0	812.0	180.0	JUL 84	JUL 85
3 85 1066	SEMIADDITIONAL SINGLE AND MULTILAYER CIRCUITRY	425.0	397.9	27.1	MAR 86	FEB 87
3 82 1076	AUTOMATIC RECOGNITION OF CHIPS	808.0	603.5	204.4	FEB 84	SEP 85
3 85 1089	INTEGRAL ROCKET MOTOR COMPOSITE ATTACHMENTS	550.0	460.7	50.0	APR 86	1AN 86
3 85 1095	AUTOMATIC SEALING OF HYBRID PACKAGES (CAM)	625.0	428.0	197.0	SEP 85	JUL 86
3 84 1109	ROBOTIZED WIRE HARNESS ASSEMBLY SYSTEM	1,050.0	1,023.0	26.0	AUG 85	JUL 86
3 85 1120	DETECTOR GRADE CADMIUM SULFIDE (CDS)	525.0	750.0	75.0	JUL 85	APR 87
3 84 1124	SCANNING TUI FLUORAL PLANE ARRAY DETECTORS	800.0	750.0	7.0	JUL 86	SEP 86
3 85 1124	IMPROVED MFG PROCESSES FOR SCANNING FOCAL PLANE SENSOR ASSY	575.0	575.0		SEP 85	JUL 87
3 85 1131	MMI FOR INTEGRATED 94 GHz SUBMUNITION TRANSCIEVER	350.0			SEP 87	SEP 87
3 85 1134	RF/LASER HARDENING OF JOMES FOR DUAL MODE SYSTEMS	1,000.0	875.0	44.0	NOV 85	JUL 87
3 85 1144	ELECTROFORMED ASPHERIC METAL MIRROR *****DELINQUENT STATUS REPORT*****					
3 85 1147	OPTICAL FIBER WIND	484.0	218.9	56.0	SEP 85	SEP 85
3 85 1148	MILLIMETER WAVE MONOLITHIC/INTEGRATION RECEIVER	589.0	476.6	70.0	JUN 87	SEP 87
3 85 1150	LITHIUM NIODATE LASER J-SWITCHES	750.0			JUL 86	JUL 86
(1)	(2)	(4)	(5)	(6)	(7)	(8)

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THIS FORM IS USED FOR SUMMARIZING
THE MMT PROGRAM PROJECTS' STATUS.
USER'S GUIDE BELOW EXPLAINS THE
SIGNIFICANCE OF EACH COLUMN HEREIN.

USER'S GUIDE

to

SUMMARY PROJECT STATUS REPORT

COLUMN 1. PROJECT NUMBER

A project identified by the first and last four digits which corresponds to the project title for the life of its execution. However, for accounting and reporting purposes, a project is recognized by the totality of its seven-digit numeric or alphanumeric number. Example:

3 75 6241

Project identifying number, which corresponds to the project title and is designated by action command.

Fiscal year of funding - the only two digits that may vary according to funding frequency (7T for FY transition).

Action command (see list on Table 1).

COLUMN 2. Subtask identifier, if any.

COLUMN 3. PROJECT TITLE

The title descriptive of project effort.

COLUMN 4. AUTHORIZED

The total amount of funds authorized in dollars, to complete the project.

COLUMN 5. CONTRACT VALUES

The portion of authorized funds actually expended or obligated for work performed by private industry.

COLUMN 6. EXPENDED LABOR AND MATERIAL

The portion of authorized funds actually expended in-house, namely within the Government.

COLUMN 7. ORIGINAL PROJECTED COMPLETION DATE

Calendar date clearly given in, or the nearest calendar month and year as could be read from the Milestone Chart of, the very first Project Status Report, RCS DRCMT-301.

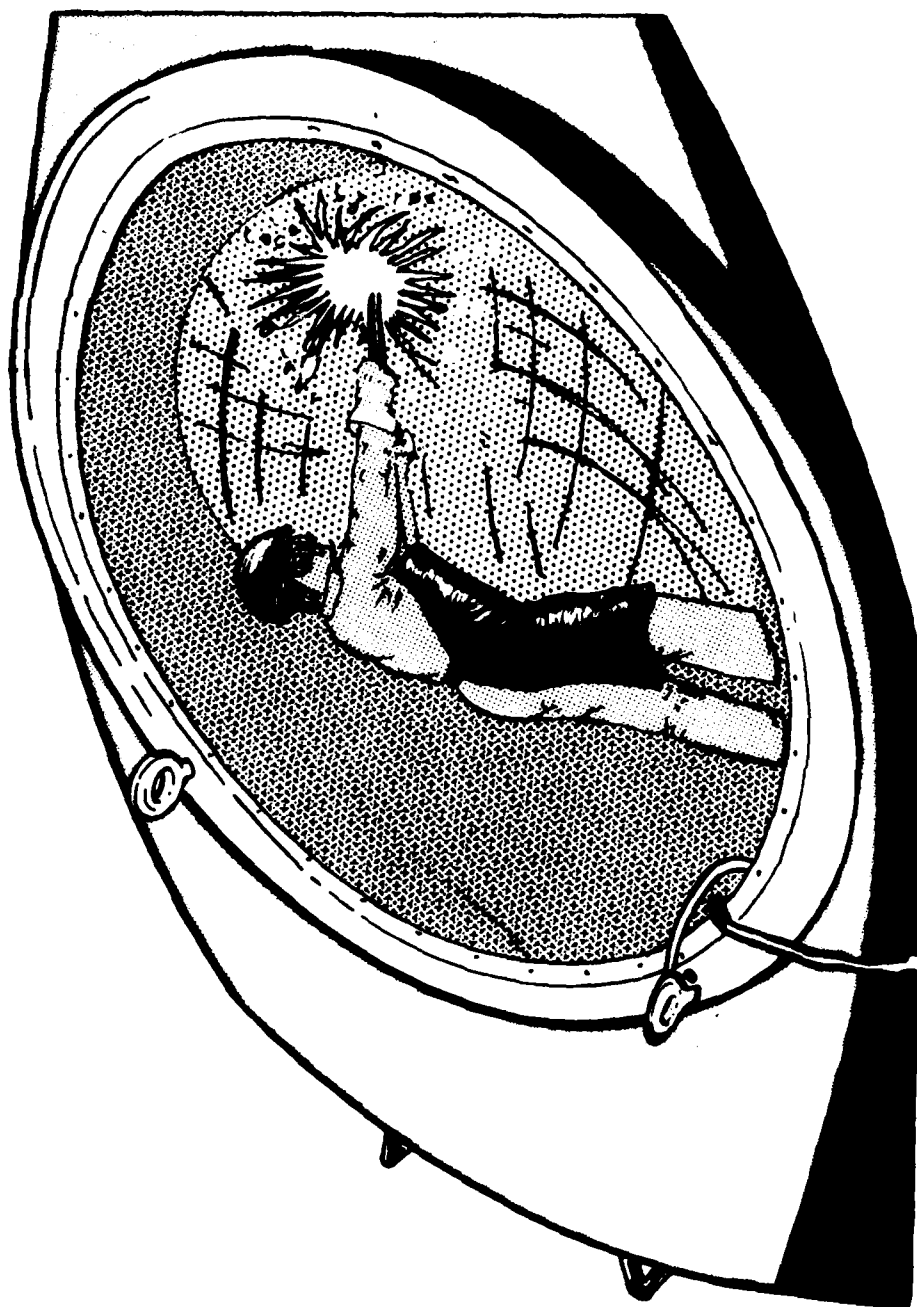
COLUMN 8. PRESENT PROJECTED COMPLETION DATE

Calendar date clearly given in, or the nearest calendar month and year as could be read from Milestone Chart of, the latest Project Status Report, RCS DRCMT-301.

ARMY ACTION COMMAND/ACTIVITY IDENTIFICATION

<u>Action Command Identifier</u>	<u>Acronym</u>	<u>Command</u>
Management Engineering Training Activity	AMETA	D
Depot Systems Command	DESCOM	G
Laboratory Command	LABCOM	H
Test Measurement Diagnostic Equipment Support Group	TMDE	K
Materials Technology Laboratory Research Center	MTL	M
Test & Evaluation Command	TECOM	O
Aviation Systems Command	AVSCOM	1
Communications & Electronics Command	CECOM	2
Missile Command	MICOM	3
Tank-Automotive Command	TACOM	4
Armament, Munitions, & Chemical Command (Munitions)	AMCCOM (Ammo)	5
Armament, Munitions, & Chemical Command (Weapons)	AMCCOM (Wpns)	6
Troop Support Command	TROSCOM	7

Table 1



**DEPOT SYSTEMS COMMAND
(DESCOM)
AND
MANAGEMENT ENGINEERING TRAINING ACTIVITY
(AMETA)**

A M E T A A N D D E P U T S Y S T E M S C O M M A N D
CURRENT FUNDING STATUS, 1ST CY85

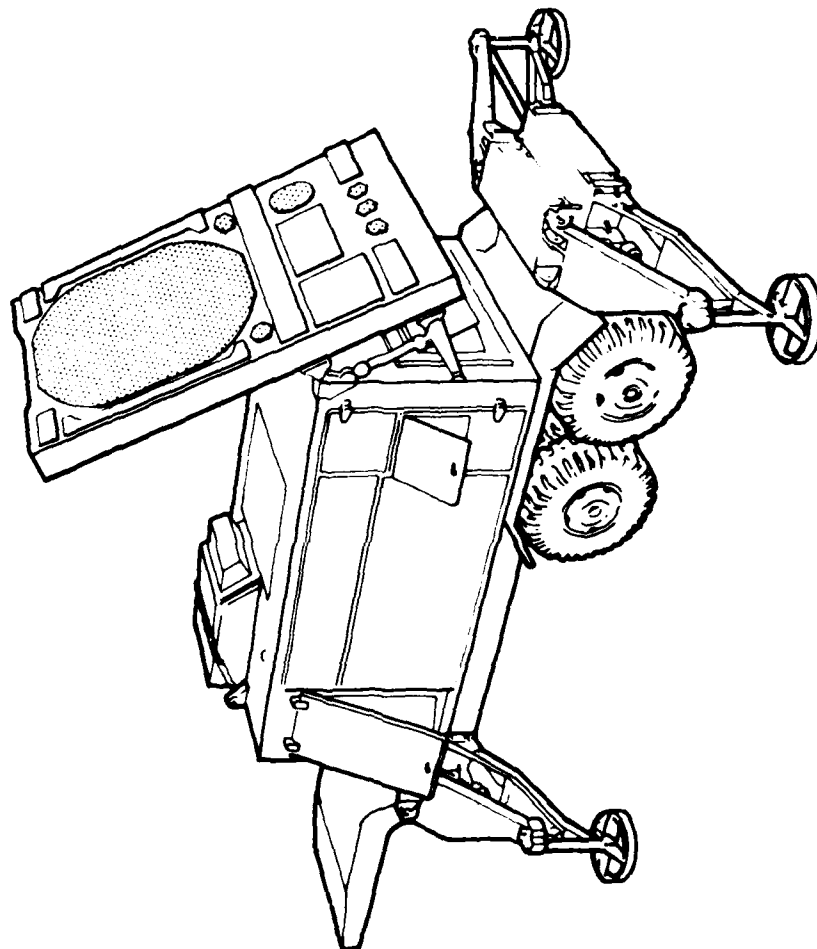
FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	* * C O N T R A C T A L L O C A T E D (\$)	* * F U N D I N G E X P E N D E D (\$)	* * I N H O U S E R E M A I N I N G (\$)	* * F U N D I N G E X P E N D E D (\$)
71	1	383,000	383,000	380,900 (99%)	0	0 (0%)
77	0	0	0	0 (0%)	0	0 (0%)
78	1	870,000	743,000	596,300 (80%)	127,000	127,000 (100%)
79	1	495,000	387,800	349,500 (90%)	107,200	107,200 (100%)
80	1	464,000	436,000	218,100 (50%)	28,000	28,000 (100%)
81	2	976,000	797,100	708,000 (88%)	178,900	71,600 (40%)
82	4	3,807,000	1,942,100	450,300 (23%)	1,924,900	167,600 (8%)
83	0	0	0	0 (0%)	0	0 (0%)
84	3	1,021,600	765,400	262,100 (34%)	256,200	15,000 (5%)
85	5	1,434,000	130,000	118,600 (91%)	1,304,000	25,000 (1%)
TOTAL	18	9,510,600	5,584,400	3,083,800 (55%)	3,926,200	541,600 (13%)
AUTHORIZED FUNDING		CONTRACT ALLOCATED 59%		INHOUSE REMAINING 41%		

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRCHT-301

PROJ NO.	TITLE + STATUS	AUTHO- RIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
4 7T 5052	ARMY ENGINEERING DESIGN HANDBOOK FOR PRODUCTION SUPPORT	383.0	383.0		JUN 78	SEP 85
0 78 5052	ARMY ENGINEERING DESIGN HANDBOOK FOR PRODUCTION SUPPORT	870.0	743.0	127.0	NOV 79	JAN 86
0 79 5052	ARMY ENGINEERING DESIGN HANDBOOKS FOR PRODUCTION SUPPORT	495.0	387.8	107.2	MAY 83	JAN 86
0 80 5052	ARMY ENGINEERING DESIGN HANDBOOKS FOR PRODUCTION SUPPORT	464.0	436.0	28.0	JAN 83	JAN 86
0 81 5052	ARMY ENGINEERING DESIGN HANDBOOKS FOR PRODUCTION SUPPORT	481.0	392.0	39.0	JAN 84	JAN 86
0 82 5052	ARMY ENGINEERING DESIGN HANDBOOKS FOR PRODUCTION SUPPORT	580.0	542.1	36.8	SEP 83	JUN 86
0 84 5052	ARMY ENGINEERING DESIGN HANDBOOKS	500.0	485.0	15.0	MAR 85	DEC 86
0 85 5052	ARMY ENCRG DESIGN HANDBOOKS F/PRODUCTION SUPPORT	424.0	30.0		SEP 86	SEP 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRCMT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABJR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
G 84 0002	MMT CAM APPLICATION OF RUBUTICS TO SHELTER REFINISHING	370.0	128.8		LCY 86	NOV 85
G 85 1006	ROBOTIC REPAIR OF PRINTED CIRCUIT BOARDS - PHASE I *****DELINQUENT STATUS REPORT*****					
G 82 2002	LETTERKENNY EVAL ANALYSIS + PLANNING (LEAP) PROGRAM *****DELINQUENT STATUS REPORT*****	2,614.0	1,400.0	58.5	JUN 84	SEP 85
G 85 2002	LETTERKENNY EVAL ANALYSIS + PLANNING (LEAP) PROGRAM *****DELINQUENT STATUS REPORT*****					
G 85 3001	PUMK AND INERTIA SIMULATOR (PAISI) COMBAT VEHICLE TESTING	985.0	100.0		JUL 87	JAN 88
G 81 4002	ROBOTIZED WELDING OF M113A2 SUSPENSION	495.0	405.1	32.6	SEP 81	DEC 85
G 82 4002	ROBOTIZED WELDING OF M113A2 SUSPENSION *****DELINQUENT STATUS REPORT*****	374.0			AUG 84	NOV 85
G 82 4004	AUTOMATED DISASSEMBLY OF DOUBLE PIN TRACK	299.0		72.5	SEP 83	DEC 85
G 85 6003	CCAD INTEGRATED MODERNIZATION PROGRAM	25.0		25.0	JUN 87	JUN 87
G 84 6002	ANAD SUBASSEMBLY MODERNIZATION *****DELINQUENT STATUS REPORT*****	151.6	151.6		JUN 85	JUN 85



LABORATORY COMMAND (LABCOM)

LABORATORY COMMAND

CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	* * C O N T R A C T A L L O C A T E D (\$)	* * F U N D I N G E X P E N D E D (\$)	* * I N H O U S E R E M A I N I N G (\$)	* * F U N D I N G E X P E N D E D (\$)
79	1	877,000	819,000	641,000 (78%)	58,000	58,000 (100%)
80	1	800,000	674,000	666,500 (98%)	126,000	95,000 (75%)
81	2	1,518,900	1,347,900	1,347,900 (100%)	171,000	170,900 (99%)
82	4	3,777,600	3,395,000	3,119,100 (91%)	361,800	292,800 (78%)
83	1	408,000	369,000	369,000 (100%)	39,000	39,000 (100%)
84	4	1,195,000	771,000	706,000 (91%)	424,000	173,000 (40%)
85	15	5,151,000	1,998,000	765,000 (38%)	3,153,000	163,200 (5%)
TOTAL	28	13,727,500	9,374,700	7,614,500 (81%)	4,352,800	1,512,700 (23%)

AUTHORIZED FUNDING CONTRACT ALLOCATED 68%

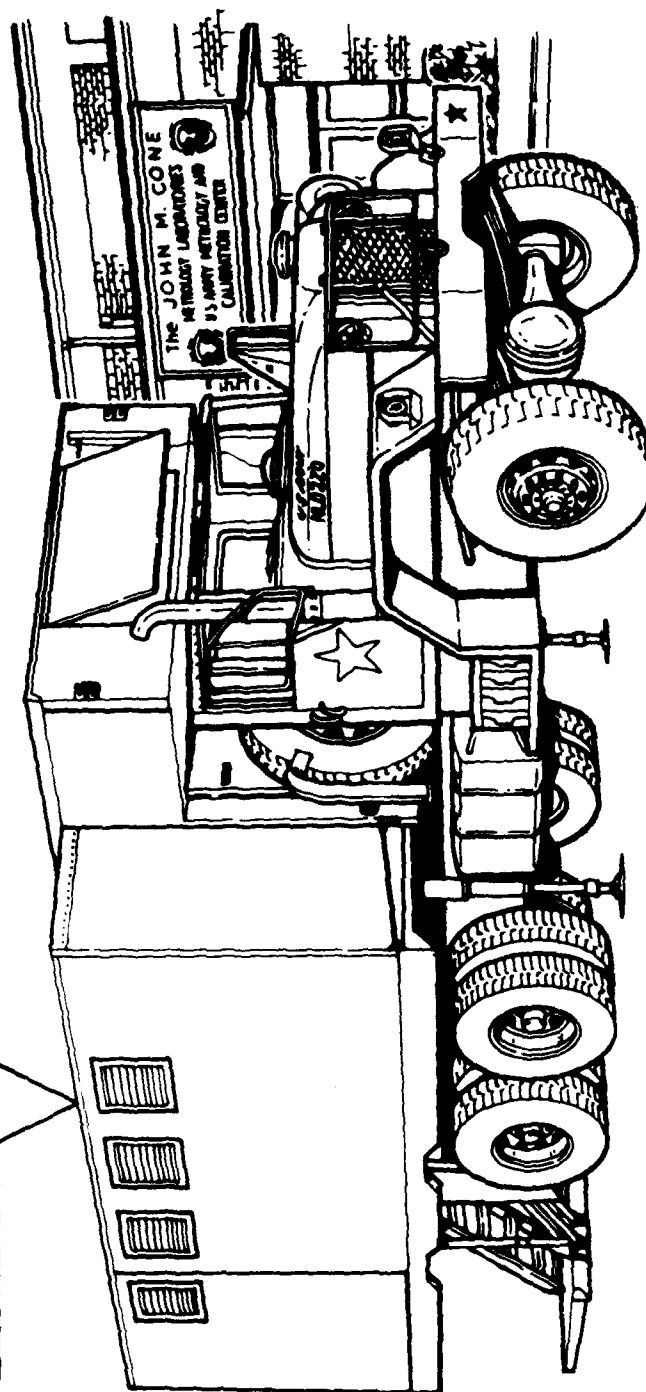
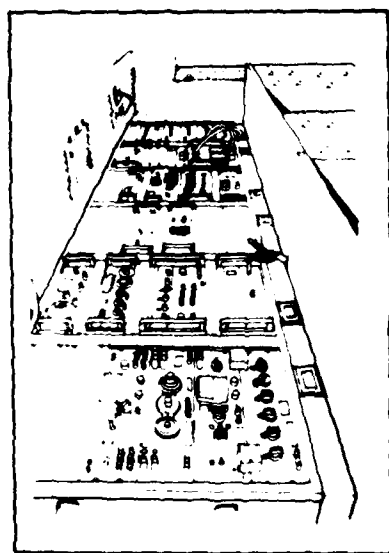
INHOUSE REMAINING 31%

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRMT-301

PROJ NO.	TITLE + STATUS	AUTHO- RIZED	CONTRACT VALUES	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
		(\$000)	(\$000)	(\$000)		
H 84 3010	MILLIMETER-WAVE SOURCES FOR 80 AND 94 GHZ *****DELINQUENT STATUS REPORT*****	209.0				
H 85 3010	HYBRID MODULATOR F/PULSED IMPATT MILLIMETER WAVES SOURCE	650.0	500.0		MAY 86	MAY 86
H 82 3011	INDIUM-PHOSPHIDE GUNN DEVICES *****DELINQUENT STATUS REPORT*****	1,227.1	1,118.1	109.0	AUG 84	MAY 85
H 80 3023	TUBULAR PLASMA PANEL *****DELINQUENT STATUS REPORT*****	800.0	674.0	95.0	APR 82	JCT 84
H 82 3010	BONDED GRID ELECTRON GUN	997.5	883.7	99.8	MAR 84	DEC 85
H 85 3010	IMPROVED TUBE *****DELINQUENT STATUS REPORT*****					
H 83 5019	LASEM-CUT SUBSTRATES FOR MICROWAVE TUBES	408.0	369.0	39.0	NOV 84	SEP 85
H 81 5041	MILLIMETER WAVE MIXERS AND ARRAYS	576.0	495.0	80.9	JUL 83	JUN 86
H 84 5107	MMT EHF SOLID STATE AMPLIFIER *****DELINQUENT STATUS REPORT*****	526.0	526.0		AUG 86	FEB 85
H 85 5107	EHF SOLID STATE AMPLIFIER	407.0	384.0	23.0	JUL 86	AUG 86
H 85 5109	PRECISION LO-COST SUNF ACOUSTIC WAVE DELAY LINES F/UHF APPL *****DELINQUENT STATUS REPORT*****					
H 84 5162	EXJAM BATTERY MANUFACTURING TECHNOLOGY, PHASE II	260.0	245.0	15.0	DEC 84	DEC 85
H 85 5162	EXJAM BATTERY MANUFACTURING TECHNOLOGY - PHASE III	485.0	450.0	15.5	DEC 85	JEC 85
H 85 5168	AUTOMATIC RETICLE INSPECTION SYSTEM, PHASE III	700.0	656.0	23.0	SEP 85	JEC 85
H 84 5174	AUTO SPUT PROC CUNT F/PROD ZINC OXIDE ACOUSTIC DEVICES - CAM	200.0		158.6	DEC 84	JEP 85
H 85 5174	AUTO SPUTTERING PROCESS CONTROL F/PRODUCING 2ND - PHASE II	102.0		40.0	DEC 85	DEC 85
H 82 5183	PRODUCTION OF LARGE DIAMETER SILICON FOR LASER SEEKERS	566.0	499.0	67.0	JAN 84	JCT 85
H 85 5187	TUNABLE MILLIMETER WAVE IMP GUNN SOURCES	299.0		48.7	JEC 87	JEC 87
H 85 5193	PROCESS ADJUSTMENTS F/ENVIRON STRESS ON ELECT CIRCUIT METALS	8.0	8.0		DEC 85	DEC 85
H 85 5209	HIGH SPEED DIGITAL TO ANALOG CONVERTER *****DELINQUENT STATUS REPORT*****					

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRGMT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
H 85 5248	ADVANCED WAFER IMAGING SYSTEM (AWIS)	1,900.0			MAR 88	MAR 88
H 85 5251	AUTOMATIC SEM WAFER INSPECTION AND METROLOGY SYSTEM	600.0		33.0	JAN 87	JUN 86
H 85 5272	TAPE AUTOMATED BUNDLING (TAB) *****DELINQUENT STATUS REPORT*****					
H 85 5273	FIRST LEVEL PACKAGING AND INTERCONNECTIONS (VHSIC) *****DELINQUENT STATUS REPORT*****					
H 85 5274	MULTICHIP PACKAGES (VHSIC) *****DELINQUENT STATUS REPORT*****					
H 79 9807	PROCESSING HIGH STABILITY QUARTZ CRYSTAL UNIT	877.0	819.0	58.0	MAR 81	DEC 85
H 82 9905	LO-COST MONOLITHIC GALLIUM ARSENIDE MICROWAVE INTEG CIRCUITS	967.0	895.0	17.0	SEP 84	MAY 86
H 81 9909	PRODUCTION TECHNIQUES FOR SILICON MM POWER TRANSISTORS	942.9	852.9	90.0	SEP 83	JAN 86



**TEST MEASUREMENT DIAGNOSTIC EQUIPMENT SUPPORT GROUP
(TMDE)**

TEST MEASUREMENT DIAGNOSTIC EQUIPMENT SUPPORT GROUP

CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NU. OF PROJECTS	AUTHORIZED FUNDS (\$)	* * C U N T R A C T A L L O C A T E D (\$)	* * F U N D I N G E X P E N D E D (\$)	* * I N H O U S E R E M A I N I N G (\$)	* * F U N D I N G E X P E N D E D (\$)
82	1	450,000	177,000	137,000 (77%)	273,000	250,000 (94%)
83	1	240,000	170,000	170,000 (100%)	70,000	70,000 (100%)
84	1	700,000	331,000	331,000 (100%)	369,000	369,000 (100%)
85	1	547,000	156,000	156,000 (100%)	391,000	232,000 (59%)
TOTAL	4	1,937,000	834,000	794,000 (95%)	1,103,000	929,000 (84%)

AUTHORIZED FUNDING

CONTRACT ALLOCATED 43%

INHOUSE REMAINING 56%

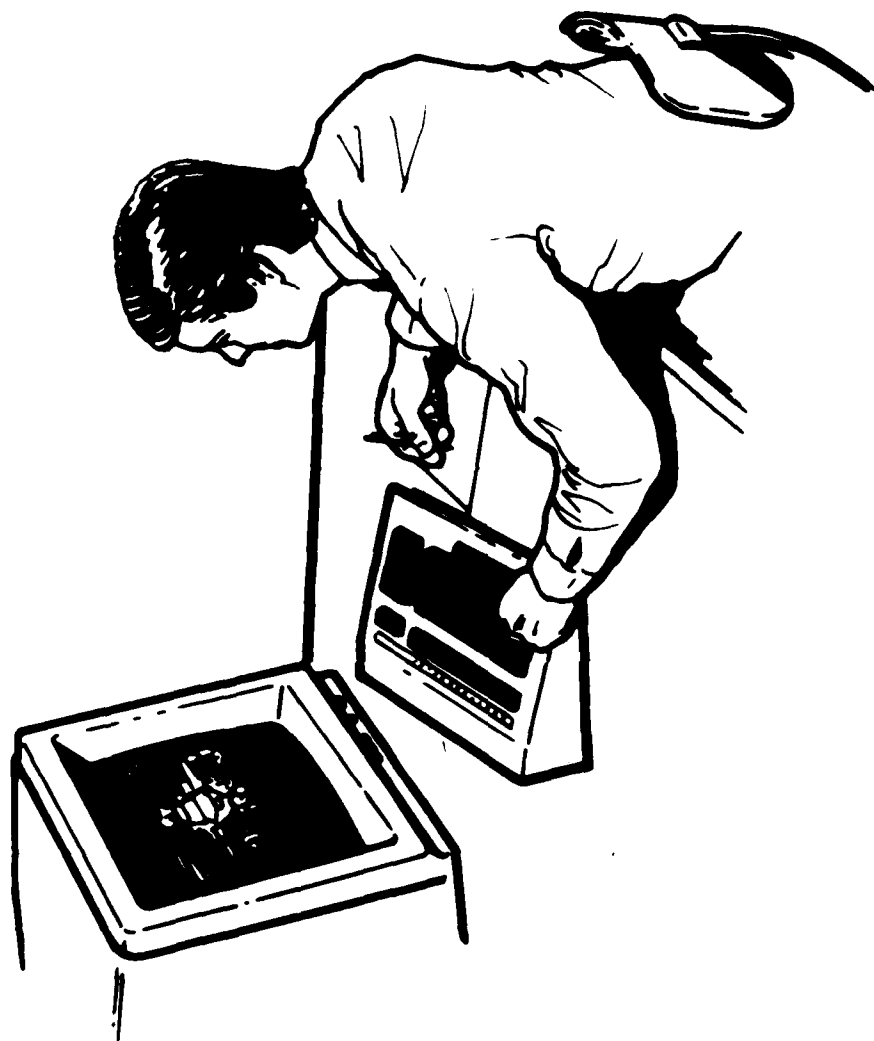
MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMI-ANNUAL SUBMISSION CY 85 MCS JRCMT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
3 82 3115	ENGINEERING FOR METROLOGY AND CALIBRATION	450.0	177.0	256.0	JCT 84	DEC 85
3 82 3115 17	DYNAMIC ELECTRICAL MEASUREMENT STANDARDS				JUN 84	DEC 85
3 82 3115 25	BASIC METROLOGY STD FOR USE IN WIDE-RANGING ENVIRONMENTS *****DELINQUENT STATUS REPORT*****				JUN 84	DEC 85
3 82 3115 34	IMPROVED ON-SITE SERVICE				JUL 83	DEC 85
3 82 3115 35	VISCOSITY AND DENSITY MEASUREMENTS				APR 83	DEC 85
3 82 3115 36	DIRECT FLOWMETER READOUT				JAN 86	JUN 85
3 82 3115 37	DATA ANALYSIS TECHNIQUES				JAN 83	DEC 85
3 83 3115	ENGINEERING FOR METROLOGY AND CALIBRATION	240.0	170.0	70.0	DEC 84	DEC 85
3 83 3115 01	JOSEPHSON EFFECT VOLTAGE STANDARD				DEC 83	SEP 86
3 83 3115 25	BASIC METROLOGY STD FOR USE IN WIDE-RANGING ENVIRONMENTS *****DELINQUENT STATUS REPORT*****				DEC 84	DEC 85
3 83 3115 34	IMPROVED ON-SITE SERVICE				DEC 84	DEC 85
3 83 3115 35	VISCOSITY AND DENSITY MEASUREMENTS				FEB 85	DEC 85
3 83 3115 36	DIRECT FLOWMETER READOUT				SEP 86	JUN 85
3 84 3115	ENGINEERING FOR METROLOGY AND CALIBRATION	700.0	331.0	369.0	SEP 85	DEC 85
3 84 3115 25	BASIC METROLOGY STD FOR USE IN WIDE-RANGING ENVIRONMENTS *****DELINQUENT STATUS REPORT*****				SEP 85	DEC 85
3 84 3115 38	PRECISION AC AND DC ELECTRICAL STANDARDS *****DELINQUENT STATUS REPORT*****				SEP 85	DEC 85
3 85 3115	ENGINEERING FOR METROLOGY AND CALIBRATION	547.0	156.0	232.0	DEC 86	DEC 86
3 85 3115 01	JOSEPHSON EFFECT VOLTAGE STANDARD				SEP 86	SEP 86
3 85 3115 17	DYNAMIC ELECTRICAL MEASUREMENT STANDARDS				DEC 85	DEC 85
3 85 3115 34	IMPROVED ON-SITE CALIBRATION				DEC 85	DEC 85
3 85 3115 37	DATA COLLECTION/REDUCTION IMPROVEMENT				DEC 85	DEC 85

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 MCS DRCHT-301

PROJ NO. TITLE + STATUS

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOUR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
K 85 3115 39	IMPROVE ANNEALING PROC. MOUNTING STRUCT PKG + TERM CONFIG				DEC 86	DEC 86



MATERIALS TECHNOLOGY LABORATORY (MTL)

MATERIALS TECHNOLOGY LABORATORY

CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NU. OF PROJECTS	AUTHORIZED FUNDS (\$)	* * C U N T R A C T F U N D I N G A L L O C A T E D (\$)	* * E X P E N D E D (\$)	* * I N H O U S E R E M A I N I N G (\$)	* * F U N D I N G E X P E N D E D (\$)
81	1	4,349,000	1,509,000	1,509,000 (100%)	2,840,000	2,840,000 (100%)
82	1	4,573,000	1,920,000	1,920,000 (100%)	2,653,000	2,653,000 (100%)
83	1	2,149,000	656,600	656,600 (100%)	1,492,400	1,492,400 (83%)
84	2	4,312,000	1,790,900	128,700 (7%)	2,521,100	2,399,800 (95%)
85	2	4,066,000	1,479,800	49,800 (3%)	2,586,200	2,565,900 (99%)
TOTAL	7	19,449,000	7,356,300	4,264,100 (57%)	12,092,700	11,702,100 (96%)

AUTHORIZED FUNDING CONTRACT ALLOCATED 38% INHOUSE REMAINING 62%

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRCMT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABJR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
M 81 6350	MATERIALS TESTING TECHNOLOGY (MTT)	4,349.0	1,509.0	2,840.0	JCT 83	JCT 85
P 81 6350 2224	AUTOMATED ANTENNA PATTERN MEASUREMENT	65.0				JCT 85
M 81 6350 2401	CANNON TUBE AUTOMATIC MAGNETIC BURESCOPE INSPECTION	362.0				SEP 85
M 81 6350 2804	BINARY MUNITIONS MECHANICAL RUPTURE PROPERTIES TEST	306.0				MAR 85
M 81 6350 2811	M42/M46 MAGNETIC FLUX LEAKAGE INSPECTION	224.0				JAN 85
N 81 6350 2815	CANNON TUBE AUTOMATED CHROME PLATE THICKNESS MEASUREMENT	69.5			JCT 82	SEP 85
M 81 6350 2944	PROTECTIVE MASK CANISTER ELECTROMAGNETIC INSP PROCEDURES	65.0			DEC 82	MAR 85
M 81 6350 2977	IMAGE INTENSIFIER SYSTEM VEILING GLAKE TESTER	102.8			SEP 84	AUG 85
M 82 6350	MATERIALS TESTING TECHNOLOGY (MTT)	4,573.0	1,920.0	2,653.0	JCT 84	JCT 85
M 82 6350 2235	ACOUSTIC EMISSION WELD MONITOR					JUN 85
M 82 6350 2245	CERAMIC MATL NDT EVALUATION TECHNIQUES	100.0			APR 83	JAN 85
M 82 6350 2640	CRACK TEST MACHINE *****DELINQUENT STATUS REPORT*****					DEC 85
M 82 6350 2611	M42/M46 MAGNETIC FLUX LEAKAGE INSPECTION	125.0			FEB 84	DEC 85
M 82 6350 2826	LIG CHROMATOGRAPHIC ANALYSIS-NITROCELLULOSE BASE PROPELLANTS	60.0				JUN 85
M 82 6350 2876	PRUTUTYPE INFRARED SEEKER AND AUTO PILOT TESTING	90.0				SEP 85
M 82 6350 2878	STRAIGHTENING OF GUN TUBE FORGINGS BY MEANS OF EMAT	63.0			JUN 86	JUL 85
M 82 6350 2889	PROCEDURES FOR INSPECTING + MONITORING THERMOPLASTIC RESINS	80.0			JUN 85	SEP 86
M 82 6350 2891	HG CU TE MATERIAL SCREENING TEST	175.0			DEC 84	MAR 86
M 82 6350 2892	KEMOTE IMAGING OF PREFORM DEFECTS BY COMPUTER CONTROL	65.0			DEC 83	SEP 85
M 82 6350 2897	STANDARD MONITORS TO INCREASE SOFTWARE TESTABILITY	131.5			DEC 85	MAY 85
M 82 6350 2901	LASER AIMING DEVICE	154.2			AUG 84	SEP 85
M 82 6350 2916	AUTOMATING DEPOT REBUILD COMPONENT DIMENSIONAL INSPECTION	200.0			JUL 85	DEC 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS URCMT-301

PROJ NO.	TITLE + STATUS	AUTH- RIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
02 0350 2919	AUTO RESIDUAL STRESS INSP OF GUN TUBES + OTHER RELATED CUMP	120.0			NOV 83	AUG 85
03 0350	MATERIALS TESTING TECHNOLOGY (MTT)	2,149.0	656.6	1,443.4	JCT 84	JCT 85
03 0350 2070	PROTOTYPE INFRARED SEEKER AND AUTOPILOT TESTING	310.0				SEP 85
03 0350 2089	PROCEDURES FOR INSPECTING + MONITORING THERMOPLASTIC RESINS	42.0				SEP 86
03 0350 2090	STANDARDIZED SOFTWARE TEST FACILITIES	191.0			SEP 83	SEP 86
03 0350 2962	AUTOMATION OF 65 DEGREE-C PROPELLANT SURVEILLANCE TEST *****DELINQUENT STATUS REPORT*****				SEP 85	SEP 85
03 0350 2968	INVEST OF SCAN PHOTOACOUSTIC MICROSCOPY F/CERAMICS INSPECT	17.0			JCT 84	JUN 85
03 0350 2972	CAPILLARY GAS CHROMATOGRAPHIC TEST OF ARMY SOLID PROPELLANTS *****DELINQUENT STATUS REPORT*****				SEP 83	FEB 85
03 0350 2977	VEILING GLARE TESTER FOR IMAGE INTENSIFIER SYS *****DELINQUENT STATUS REPORT*****					FEB 85
03 0350 2980	PORTABILITY OF TEST SOFTWARE FOR VHSIC CHIPS	90.0			DEC 83	JUL 85
03 0350 2981	FLUIDIC POWER SUPPLY ACCEPTANCE TESTER *****DELINQUENT STATUS REPORT*****				JUL 85	JUL 85
04 0350	MATERIALS TESTING TECHNOLOGY (MTT)	4,002.0	1,662.2	2,339.8	JCT 85	JCT 85
04 0350 2225	TRI-AXIAL VIBRATION TEST PROC S FOR MISSILE + ARTILLERY FUZ	90.0			MAR 85	JUN 85
04 0350 2611	SORPTION OF AGENTS ON ASL WHETLERITE	33.0			FEB 85	APR 85
04 0350 2642	ADV PENETRATING RADIATION TECH FOR PRODUCT EVALUATION	100.0			SEP 84	SEP 87
04 0350 2876	PROTOTYPE INFRARED SEEKER AND AUTO PILOT TESTING	150.0			SEP 84	SEP 85
04 0350 2887	SIMULANT PERMEATION TESTING OF PROTECTIVE MATLS *****DELINQUENT STATUS REPORT*****					JUN 84
04 0350 2889	PROCEDURES FOR INSPECTING + MONITORING THERMOPLASTIC RESINS	50.0				SEP 86
04 0350 2691	MOCOTE MATERIAL SCREENING TEST *****DELINQUENT STATUS REPORT*****					JAN 86
04 0350 2895	NDT OF ADVANCED COMPOSITES FOR BRIDGING	41.5			MAR 85	AUG 85

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS URCMT-301

PRJ NO.	TITLE + STATUS	AUTHO- RIZED	CONTRACT VALUES	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
M 84 6350 2896	STANDARDIZED SOFTWARE TEST FACILITIES	348.0			SEP 85	SEP 86
M 84 6350 2914	AUTO ANALYTICAL + CONTROL SYSTEM FOR GAS LIFE TESTER	77.5			FEB 85	DEC 85
M 84 6350 2916	AUTOMATING DEPOT REBUILD COMPONENT DIMENSIONAL INSPECTION	150.0			JUL 86	JUL 86
M 84 6350 2926	TESTING OF M55 DETONATOR STAB SENSITIVITY AND OUTPUT	105.0			FEB 85	DEC 85
M 84 6350 2928	IN-PROCESS THREAD FUM INSPECTION	135.0			APR 86	APR 87
M 84 6350 2929	EVAL OF CHROMIUM ADHESION IN LARGE CALIBER GUNS	78.0				FEB 86
M 84 6350 2930	IDENTATION TEST FOR YIELD STRENGTH MEASUREMENT	50.0			MAY 85	JUN 86
M 84 6350 2933	STABLE LIGHT SOURCE FOR LOW LEVEL PHOTOMETRIC MEAS RADIUM	79.4			APR 85	DEC 85
M 84 6350 2934	APPL OF AN X-RAY TV SYSTEM FOR RECORD + PROC OF DIFFRAT PAT	62.0		62.0	DEC 84	AUG 85
M 84 6350 2946	PROGRAMMABLE HIGH RESPONSE FUNCTIONAL ACCELERATION TESTER	190.0			JUL 86	AUG 87
M 84 6350 2965	BALLISTIC SIMULATOR - SHOCK TESTING OF ARMAMENT COMPONENTS	160.0			MAR 86	MAY 86
M 84 6350 2968	SCANNING PHOTOACOUSTIC MICROSCOPY OF CERAMICS	23.0				JUN 85
M 84 6350 2972	CAPILLARY GAS CHROMATOGRAPHIC TESTING OF SOLID PROPELLANTS	120.0			FEB 85	JUN 85
M 84 6350 2974	SELECTIVE DETECTION OF DOUBLE-BASE STABILIZERS + DECUMP PRO *****DELINQUENT STATUS REPORT*****					JUN 85
M 84 6350 2978	TESTING AND EVALUATION OF QUARTZ CRYSTAL RESONATORS	100.0			OCT 85	DEC 85
M 84 6350 2979	PHOTOLUMINANCE TESTING OF GAAS PHOTOCATHODES	230.0			AUG 85	MAR 86
M 84 6350 2980	PORTABILITY OF TEST SOFTWARE FOR VHSIC CHIPS	105.0			APR 85	DEC 85
M 84 6350 2981	FLUIDIC POWER SUPPLY ACCEPTANCE TESTER	150.0		150.0	MAR 85	DEC 85
M 84 6350 2989	DEPOT INSP OF TRANSMISSION VALVE BODY *****DELINQUENT STATUS REPORT*****					DEC 84
M 84 6350 3006	ACOUSTIC EMISSION MONITORING/CONTROL OF GUN TUBE STRAIGHTEN	15.0			SEP 84	AUG 85
M 84 6350 3010	DIGITAL IMAGE AMPLIFICATION X-RAY SYSTEM (DIAX)	110.0			JAN 85	APR 85
M 84 6350 3015	METHODOLOGY FOR VERIFYING EDDY CURRENT + ULTRASONIC INSP	84.0			JAN 86	JAN 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
S U M M A R Y P R O J E C T S T A T U S R E P O R T
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRGMT-301

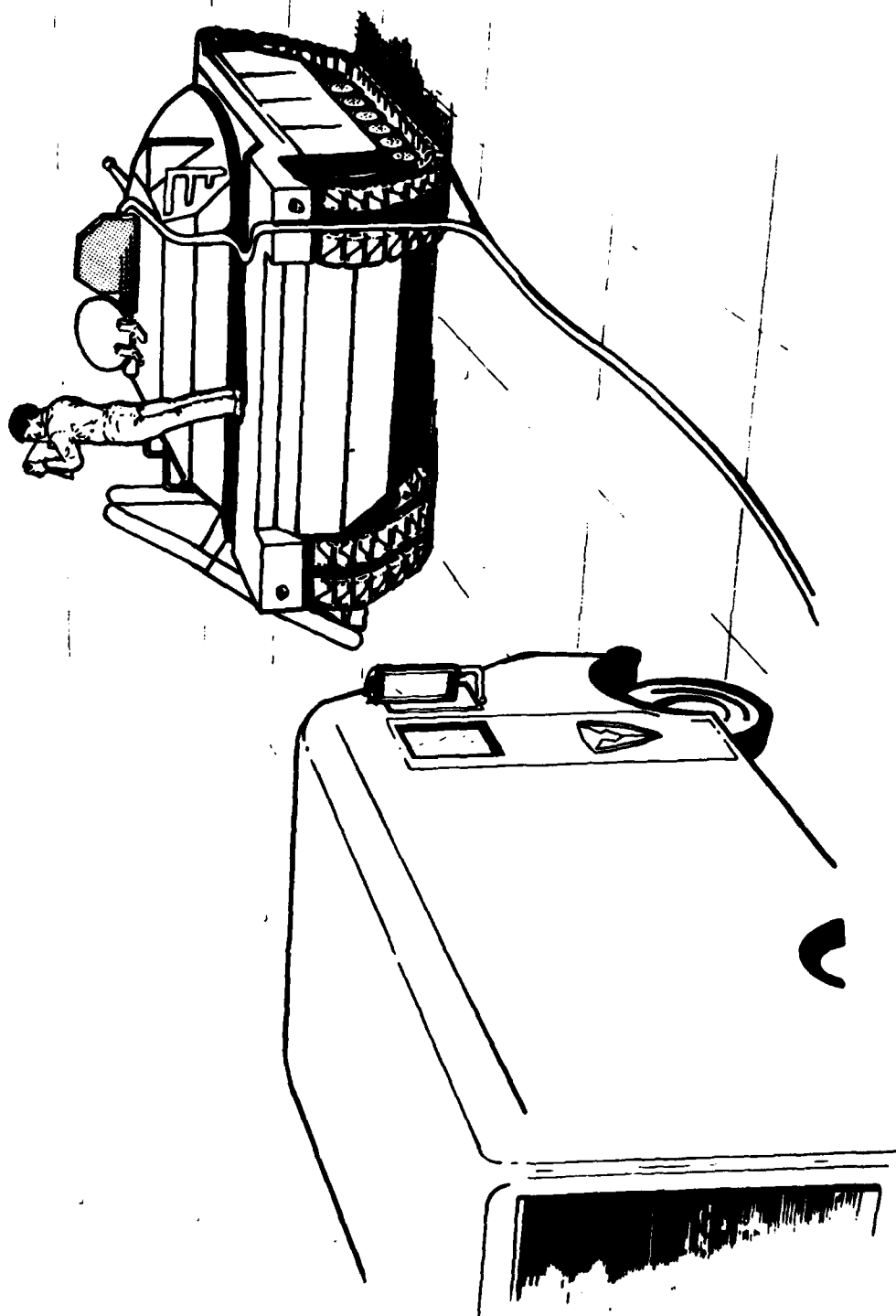
PRGJ NO.	TITLE + STATUS	AUTH- ORIZED	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
M 84 6350 3017	AUTOMATED ACCURACY TARGET SCORING SYSTEM *****DELINQUENT STATUS REPORT*****				JUN 85	JUN 85
M 84 6350 3021	MECH ACCEPT TEST METHODS FOR PENETRATOR COMP AND MATERIALS	50.0			JUN 85	JUN 86
M 84 6350 3027	120 MM GUN TUBE CHROME PLATE EVALUATION SYSTEM	27.0			JUL 85	UCT 86
M 84 6350 3045	FLUIDIC GENERATOR HIGH ALTITUDE SIMULATOR	100.0			MAR 85	JUL 86
M 84 6350 3093	MAGNETIC FLUX LEAKAGE INSPECTION OF THE 60MM M720 MORTAR	72.4			JUL 85	JUL 85
M 84 6350 3094	SOFTWARE TEST DRIVERS	119.6			JUN 85	JUN 85
M 85 6350	MATERIALS TESTING TECHNOLOGY (MTT)		1,250.5	2,565.5	UCT 85	UCT 85
M 85 6350 2225	TRI-AXIAL VIBRATION TEST PROCS FOR MISSILE + ARTILLERY FUZ	60.0			MAR 86	MAR 86
M 85 6350 2445	ULTRASONIC TIRE INSPECTION *****DELINQUENT STATUS REPORT*****					
M 85 6350 2642	ADV PENETRATING RADIATION TECH FOR PRODUCT EVALUATION	260.0			SEP 87	SEP 87
M 85 6350 2876	PROTOTYPE INFRARED SEEKER + AUTOPILOT TESTING	51.0			SEP 85	SEP 85
M 85 6350 2878	STRAIGHTENING OF GUN TUBE FORGINGS BY MEANS OF EMAT				JUL 86	JUL 86
M 85 6350 2889	PROCEDURES FOR INSPECTING + MONITORING THERMOPLASTIC RESINS				SEP 86	SEP 86
M 85 6350 2891	HGCDTE MATERIAL SCREENING TEST *****DELINQUENT STATUS REPORT*****					
M 85 6350 2919	AUTO RESIDUAL STRESS INSP OF GUN TUBES + OTHER RELATED CUMP	70.0			AUG 86	AUG 86
M 85 6350 2929	VAL OF CHROMIUM ADHESION IN LARGE CALIBER GUNS	42.0			FEB 86	FEB 86
M 85 6350 2930	INDENTATION TEST FOR YIELD STRENGTH MEASUREMENTS	70.0			JUN 86	JUN 86
M 85 6350 2946	PROGRAMMABLE HIGH RESPONSE FUNCTIONAL ACCELERATION TESTER	93.0			AUG 87	AUG 87
M 85 6350 2965	BALLISTIC SIMULATOR - SHOCK TESTING OF ARMAMENT COMPONENTS	80.0			MAY 86	MAY 86
M 85 6350 2971	PARTICLE SIZE TESTING OF BALLISTICS MODIFIERS + EXIDIZERS	88.0			MAY 86	MAY 86
M 85 6350 2973	DIFFUSION PERMEABILITY+SOLUBILITY OF GASES IN MIN SIGNATURE PRUP	80.0			JAN 86	JAN 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS URCMT-301

PROJ NL.	TITLE + STATUS	AUTHORIZED	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
M 85 6350 2978	TESTING AND EVALUATION OF QUARTZ CRYSTAL RESONATORS	100.0			DEC 85	DEC 85
M 85 6350 2979	PHOTOLUMINANCE TESTING OF GAA'S PHOTOCATHODES *****DELINQUENT STATUS REPORT*****					
M 85 6350 2980	PORTABILITY OF TEST SOFTWARE FOR VHSIC CHIPS *****DELINQUENT STATUS REPORT*****					
M 85 6350 2994	ALUMINUM WELD AE MONITOR				DEC 86	DEC 86
M 85 6350 3015	METHODOLOGY FOR MONITORING ULTRASONIC INSPECTION	42.0			JAN 86	JAN 86
M 85 6350 3021	MECHANICAL ACCEPTANCE TEST METHODS FOR PENETRATOR COMPONENTS	65.0			JUN 86	JUN 86
M 85 6350 3022	PRIMER IGNITION TEST SYSTEM *****DELINQUENT STATUS REPORT*****					
M 85 6350 3023	AUTOMATED PROPELLANT GRAIN IMAGE ANALYZER	160.0				APR 86
M 85 6350 3024	STANDARD SOFTWARE REQUIREMENTS ENGINEERING LANGUAGE	40.0			UCT 86	UCT 86
M 85 6350 3027	120MM GUN TUBE CHROME PLATE EVALUATION SYSTEM	175.0			UCT 86	UCT 86
M 85 6350 3045	FLUIDIC GENERATOR HIGH ALTITUDE SIMULATOR	125.0			JUL 86	JUL 86
M 85 6350 3047	FIBER OPTIC COUPLED ISOTROPIC *E* FIELD MEASUREMENT SYSTEM	225.0			AUG 87	AUG 87
M 85 6350 3055	ULTRASONIC TRANSDUCER CHARACTERIZATION	120.0			UCT 85	UCT 85
M 85 6350 3058	ESTABLISH HI-SENS GC/MS + GC/LS METHODS-ANAL F/CHEMICAL AGAT	75.0			UCT 85	UCT 85
M 85 6350 3063	CHEMICAL AGENT MONITOR TEST SYSTEM	115.0			DEC 87	DEC 87
M 85 6350 3075	NONDESTRUCTIVE TEST DEVICE FOR CUS DETECTOR	235.0			SEP 86	SEP 86
M 85 6350 3080	TUNNABLE EYESAFE LASER EVALUATION SYSTEM (TELES)	150.0			SEP 86	SEP 86
M 85 6350 3081	DIAPHRAGM TESTING MACHINE FOR MLRS FLUIDIC GENERATOR	150.0			APR 87	APR 87
M 85 6350 3082	FLEX FIXTURE/ACCEPTANCE LEVELS FOR PATRIOT FUZE ELECTRONICS	80.0			JAN 86	JAN 86
M 85 6350 3083	EFFICIENT TEST SOFTWARE FOR EVALUATING NDI MICROCHIPS	120.0			SEP 86	SEP 86
M 85 6350 3084	NONDESTRUCTIVE TESTING OF COMBUSTIBLE CARTRIDGE CASES	232.0			JUL 86	JUL 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRCHT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
M 85 6350 3085	TOMOGRAPHIC AUTOMATIC INSPECTION OF MUNITIONS (TAIM)	181.0			MAY 87	MAY 87
M 85 6350 3091	DETERMINATION OF SILVER IN IMPREGNATED CHARCOAL	38.0			MAY 86	MAY 86
M 85 6350 3094	SOFTWARE TEST DRIVERS	110.0			JCT 86	JCT 86
M 85 6350 3095	INFRARED NONDESTRUCTIVE INSP (IRNDI) OF PRINTER CIRCUIT BOARD	130.0			FEB 86	FEB 86
M 84 6390	PROGRAM IMPLEMENTATION AND INFORMATION TRANSFER *****DELINQUENT STATUS REPORT*****	250.0	128.7		MAR 85	SEP 85
M 85 6390	PROGRAM IMPLEMENTATION + INFORMATION TRANSFER	250.0	229.3	0.4	MAR 86	MAY 86



**TEST AND EVALUATION COMMAND
(TECOM)**

TEST AND EVALUATION COMMAND
CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	CONTRACT FUNDING		HOUSE FUNDING	
			ALLOCATED (\$)	EXPENDED (\$)	REMAINING (\$)	EXPENDED (\$)
81	1	770,000	0	0 (0%)	770,000	769,000 (99%)
82	1	726,000	0	0 (0%)	726,000	725,400 (99%)
83	1	1,038,000	0	0 (0%)	1,038,000	936,000 (90%)
84	1	1,018,000	0	0 (0%)	1,018,000	940,000 (92%)
85	1	1,098,000	0	0 (0%)	1,098,000	974,000 (88%)
TOTAL	5	4,650,000	0	0 (0%)	4,650,000	3,544,400 (76%)

AUTHORIZED FUNDING CONTRACT ALLOCATED HOUSE REMAINING 100%

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 KCS URCMT-301

PRJ NC.	TITLE + STATUS	AUTH- RIZED	CONTRACT VALUES	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
0 81 5071	TECOM PRODUCTION TEST METHODOLOGY ENGINEERING MEASURES	770.0		769.0	DEC 83	DEC 86
0 81 5071 37	ROLLOVER TEST OF MILITARY VEHICLES				DEC 83	DEC 86
0 81 5071 59	SOLAR POWERED INSTRUMENTATION VAN				DEC 83	DEC 86
0 81 5071 67	INTEROPERABILITY TEST METHODOLOGY				DEC 83	DEC 86
0 81 5071 71	COPPER CRUSHER PRESSURE GAGES *****DELINQUENT STATUS REPORT*****				DEC 83	DEC 84
0 81 5071 76	GAMMA DOSIMETRY IMPROVEMENT + MODERNIZATION PROGRAM				DEC 83	DEC 86
0 81 5071 77	ELECTROMAGNETIC RADIATION EFFECTS/SUSCEPTIBILITY OF ARMY MAT *****DELINQUENT STATUS REPORT*****				DEC 83	DEC 84
0 82 5071	TECOM PRODUCTION TEST METHODOLOGY ENGINEERING MEASURES	726.0		725.4	DEC 84	DEC 84
0 82 5071 37	ROLLOVER TEST OF MILITARY VEHICLES				DEC 84	DEC 86
0 82 5071 59	SOLAR POWERED INSTRUMENTATION VAN				DEC 84	DEC 86
0 82 5071 67	INTEROPERABILITY TEST METHODOLOGY				DEC 84	DEC 86
0 82 5071 71	COPPER CRUSHER PRESSURE GAGES *****DELINQUENT STATUS REPORT*****				DEC 84	DEC 84
0 82 5071 76	GAMMA DOSIMETRY IMPROVEMENT + MODERNIZATION PROGRAM				DEC 84	DEC 86
0 82 5071 77	ELECTROMAGNETIC RADIATION EFFECTS + SUSCEPTIBILITY OF ARMY M *****DELINQUENT STATUS REPORT*****				DEC 84	DEC 84
0 82 5071 81	BINARY MUNITIONS PRODUCTION TEST METHODOLOGY *****DELINQUENT STATUS REPORT*****					DEC 85
0 82 5071 90	TOXIC GAS ANAL BY GAS CHROMATOGRAPHY				DEC 84	DEC 87
0 82 5071 95	RAPID EVALUATION OF ENVIRONMENTAL HAZARDS					DEC 86
0 83 5071	TECOM PRODUCTION TEST METHODOLOGY ENGINEERING MEASURES	1,038.0		436.0	DEC 85	DEC 86
0 83 5071 59	SOLAR POWERED INSTRUMENTATION VAN					DEC 86
0 83 5071 67	INTEROPERABILITY TEST METHODOLOGY				JUN 83	DEC 85

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 KCS ORCMT-301

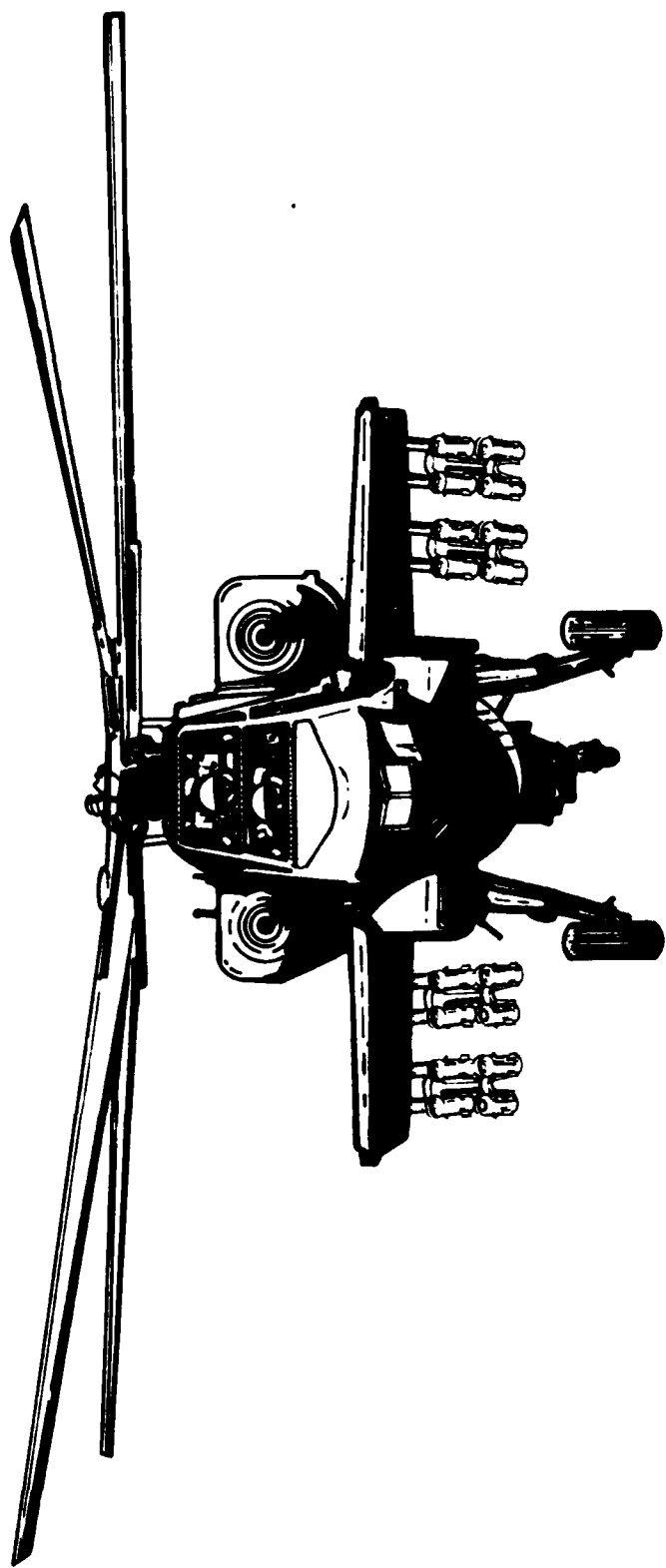
PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
0 83 5071 71	IMPROVED COPPER CRUSHER PRESSURE GAGES *****DELINQUENT STATUS REPORT*****					DEC 85
0 83 5071 76	GAMMA DOSIMETRY IMPROVEMENT + MODERNIZATION PROGRAM	1,018.0		940.0	DEC 86	DEC 86
0 84 5071	TECOM PRODUCTION TEST METHODOLOGY ENGINEERING MEASURES				DEC 86	DEC 86
0 84 5071 121	REAL TIME MEASUREMENT OF TOTAL HCL IN ROCKET MOTOR EXHAUST				DEC 86	DEC 86
0 84 5071 130	SOFTWARE INFO RETRIEVAL SYSTEM + REPOSITORY				DEC 86	DEC 86
0 84 5071 142	COMPILATION OF PROJECTILE DRAG COEFFICIENTS				DEC 86	DEC 86
0 84 5071 37	ROLL-OVER TESTS OF MILITARY VEHICLES				SEP 84	DEC 86
0 84 5071 59	SOLAR POWERED INSTRUMENTATION VAN				DEC 86	DEC 86
0 84 5071 67	INTEROPERABILITY TEST METHODOLOGY				DEC 86	DEC 86
0 84 5071 76	UPGRADING OF THE GAMMA POSIMETRY PROGRAM				DEC 86	DEC 86
0 84 5071 95	RAPID DETERM OF ENVIRON HAZARDS-BINARY AGENT PERSIST + DECAY				DEC 86	DEC 86
0 85 5071	TECOM PRODUCTION TEST METHODOLOGY ENGRS METHODS	1,098.0		+74.0	DEC 87	DEC 87
0 85 5071 01	ACCEPTANCE TEST PROCEDURES				SEP 85	SEP 85
0 85 5071 10	TEST OPERATIONS PROCEDURES - TOPS				SEP 85	SEP 85
0 85 5071 113	PROG FLOW ANALYZER TOOLS F/CUMP SOFTWARE SYS SPEC ENCODERS				DEC 87	DEC 87
0 85 5071 115	ADAPTION OF COMPUTER AID TOMOGRAPHY TO MISSILE RADIOGRAPHY				DEC 87	DEC 87
0 85 5071 121	REAL TIME MEASUREMENT OF TOTAL HCL IN ROCKET MOTOR EXHAUST				DEC 87	DEC 87
0 85 5071 130	SOFTWARE CONFIGURATION MANAGEMENT/REPOSITORY				DEC 87	DEC 87
0 85 5071 140	HUMAN FACTORS ENGINEERING FIELD INSTRUMENTATION PACKAGE				DEC 87	DEC 87
0 85 5071 143	VEHICLE PERFORMANCE RECORDER				DEC 87	DEC 87
0 85 5071 74	IMPROVE OF SMOKE MUNIT/GENERATOR PRODUCTION TEST PROCEDURES				DEC 87	DEC 87
0 85 5071 76	UPGRADING OF GAMMA DOSIMETRY PROGRAM				DEC 87	DEC 87

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMI-ANNUAL SUBMISSION CY 85 RCS DRCMT-301

PKD J NO.	TITLE + STATUS	AUTHOR- N I Z E D	CONTRACT VALUES	EXPENDED		ORIGINAL		PRESENT	
				LABOR AND MATERIAL	(\$000)	PROJECTED COMPLETE DATE	PROJECTED COMPLETE DATE	PROJECTED COMPLETE DATE	PROJECTED COMPLETE DATE

0 85 5071 90 TOXIC GAS ANAL BY GAS CHROMATOGRAPHY

DEC 87 DEC 87



AVIATION SYSTEMS COMMAND (AVSCOM)

AVIATION SYSTEMS CUMMUND

CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	* * C U N T R A C T F U N D I N G A L L O C A T E D (\$)	* * E X P E N D E D (\$)	* * I N H O U S E R E M A I N I N G (\$)	* * F U N D I N G E X P E N D E D (\$)
81	2	645,000	581,300	533,500 (91%)	63,700	63,700 (100%)
82	9	6,404,900	5,856,800	4,744,400 (81%)	608,100	602,000 (99%)
83	4	4,007,900	3,401,500	1,946,000 (57%)	606,400	336,500 (55%)
84	21	8,063,000	3,717,600	1,639,300 (44%)	4,345,400	1,705,800 (39%)
85	18	3,875,000	1,463,500	50,000 (3%)	2,411,500	328,100 (13%)
TOTAL	54	23,055,800	15,020,700	8,913,200 (59%)	8,035,100	3,036,700 (37%)
AUTHORIZED FUNDING		CONTRACT ALLLOCATED 65%		INHOUSE REMAINING 34%		

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRGMT-301

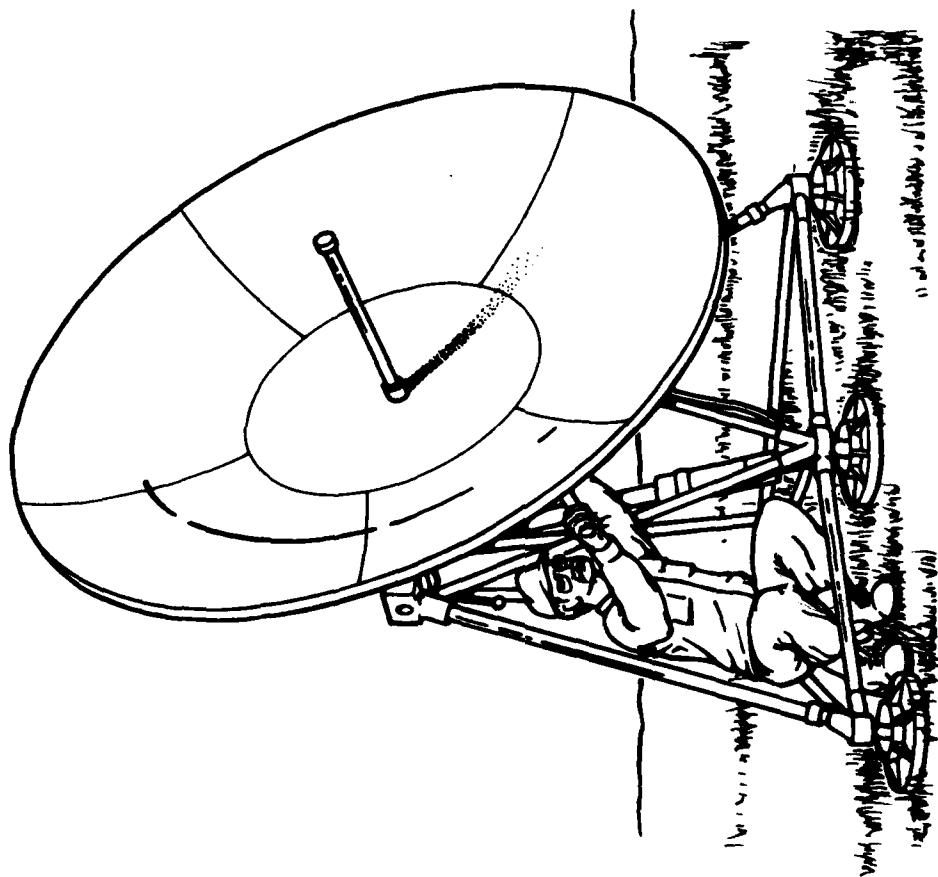
PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
1 81 7143	CERAMIC GAS PATH SEAL-HIGH PRESSURE TURBINE *****DELINQUENT STATUS REPORT*****	430.0	396.8	33.2	FEB 83	DEC 84
1 82 7143	CERAMIC HIGH-PRESSURE GAS PATH SEAL *****DELINQUENT STATUS REPORT*****	405.0	357.2	45.0	FEB 83	DEC 85
1 82 7286	HIGH QUALITY SUPERALLOY POWDER PROD F/TURBINE COMPONENTS	370.0	300.0	70.0	APR 85	DEC 86
1 82 7291	TITANIUM POWDER METAL COMPRESSOR IMPELLER	275.0	210.0	65.0	MAR 84	SEP 86
1 83 7298	HIGH TEMPERATURE VACUUM CARBURIZING	375.0	340.0	35.0	SEP 84	JAN 86
1 84 7298	HIGH TEMPERATURE VACUUM CARBURIZING	400.0	203.0	92.7	SEP 85	JUN 86
1 84 7300	IMPROVED LOW CYCLE FATIGUE (LCF) CAST ROTORS	355.0	290.0	45.0	JUN 85	FEB 86
1 85 7300	IMPROVED LOW CYCLE FATIGUE CAST ROTORS	100.0	29.8	12.0	SEP 85	JUN 86
1 84 7302	PRODUCTION OF BORIDE COATED LONG LIFE TOOLS	400.0	248.9	140.0	SEP 86	JAN 87
1 85 7302	PROD OF BORIDE COATED LONG LIFE TOOLS	100.0		12.0	FEB 82	JAN 87
1 82 7322	LOW-COST TRANSPIRATION-COOLED COMBUSTOR LINER	550.0	460.0	70.0	MAR 85	SEP 85
1 84 7344	RIM MOLDING OF HELICOPTER COMPONENTS	175.0	124.7	50.0	AUG 85	MAR 86
1 85 7344	RIM MOLDING OF HELICOPTER COMPONENTS	230.0		14.7	FEB 87	JUN 87
1 82 7351	COMPOSITE SHAFTING FOR TURBINE ENGINES	403.9	328.9	75.0	SEP 83	APR 84
1 84 7371	INTEGRATED BLADE INSPECTION SYSTEM (IBIS)	470.0		468.0	DEC 84	JUN 86
1 81 7376	AUTO INSPECT AND PRECISION GRINDING OF SB GEARS *****DELINQUENT STATUS REPORT*****	215.0	184.5	30.0	DEC 84	MAY 85
1 82 7376	AUTO INSPECT AND PRECISION GRINDING OF SB GEARS *****DELINQUENT STATUS REPORT*****	1,012.0	939.5	70.0	JUN 85	JUN 84
1 84 7378	STAINLESS STEEL GEARBOX HOUSING	70.0		70.0	DEC 87	DEC 87
1 85 7378	STAINLESS STEEL GEARBOX HOUSING	90.0		69.0	DEC 87	DEC 87
1 84 7382	LOW-COST COMPOSITE MAIN BLADE FOR THE UH-60A	700.0	477.0	157.9	SEP 84	AUG 85
1 84 7383	MULDED HARDWARE FOR TWO AXIS DRY GYROS	303.0	218.9	83.0	JUN 85	MAR 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
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PROJ NO.	TITLE + STATUS	AUTHO- KIED	CONTRACT VALUES	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
1 85 7383	MOLDED HARDWARE FOR TWO AXIS DRY GYRUS	210.0	135.6	14.9	FEB 87	FEB 87
1 84 7384	COMPOSITE ENGINE GEARBOX HOUSING	870.0		120.0	JUL 85	MAY 88
1 85 7384	COMPOSITE ENGINE GEARBOX HOUSING	710.0	459.0	15.0	SEP 87	MAY 88
1 84 7389	PRDUCTION OF ALUMINUM AIRFRAME COMPONENTS	417.0	332.0	85.0	JUN 85	APR 86
1 85 7389	PRUD OF ALUMINUM AIRFRAME COMPONENTS (SUPERPLASTIC FURMING)	225.0	139.8	52.3	JUN 85	APR 86
1 82 7415	MMT 1700 BLISK REPAIR	800.0	602.2	197.0	MAR 85	SEP 85
1 84 7416	ADVANCED TURBINE AIRFOIL CASTINGS FOR LONG LIFE	365.0	300.0	60.0	JUL 86	JUL 86
1 85 7416	ADVANCED TURBINE AIRFOIL CASTINGS FOR LONG LIFE	360.0	22.0	28.0	JUL 86	JUL 86
1 84 7417	LOW-COST DISKS BY CAP -CONSOLIDATION BY ATMOSPHERIC PRESSURE	275.0	250.0	25.0	JUN 87	JUN 87
1 85 7417	LOW COST DISKS BY CONSOLIDATED ATMOSPHERIC PRESSURE	475.0	400.0	33.0	JUN 87	JUN 87
1 82 7426	MMT-IPI PROGRAM-MARTIN MARIEITA TADS/PNVS *****DELINQUENT STATUS REPORT*****	110.0	100.0	10.0	MAY 85	MAY 85
1 83 7427	ATTACK HELICOPTER PRODUCTIVITY IMPROVEMENT (API) PROGRAM *****DELINQUENT STATUS REPORT*****	1,565.0	1,285.4	129.0	MAR 84	SEP 84
1 83 7433	MMT - IPI PGM - BELL HELICOPTER, INC. - AHIP *****DELINQUENT STATUS REPORT*****	1,034.2	1,024.1	10.1	MAY 84	SEP 84
1 84 7456	ADVANCED FUSELAGE TOOLING	522.0		62.0	NOV 87	JUL 88
1 85 7456	LOW COST TOOLING FOR AIRFRAME COMPONENTS	419.0		3.0	NOV 87	JUL 87
1 83 7465	ADVANCED COMPOSITE SENSOR SUPPORT STRUCTURE (ACS-3) *****DELINQUENT STATUS REPORT*****	1,013.7	752.0	161.8	APR 84	JAN 85
1 84 7465	FABRICATION TECH F/ADVANCED COMPOSITE SENSOR SUPPORT STRUCT *****DELINQUENT STATUS REPORT*****	515.0				
1 85 7465	FABRICATION TECHNIQUES FOR ADVANCED COMPOSITE SENSOR *****DELINQUENT STATUS REPORT*****					
1 84 7468	INTEGRATION OF ADVANCED REPAIR BUNING *****DELINQUENT STATUS REPORT*****	515.0		35.0	JUN 86	JUN 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 KCS JRCMT-301

PROJ NO.	TITLE + STATUS	AUTHO- RIZED	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
1 84 7470	HAND HELD AUTOMATIC POWER CRIMPER	218.0		68.0	FEB 86	JUN 86
1 84 7471	PROCESS CONTROL SYSTEM FOR N/C AND CNC MACHINES	200.0	155.2	43.4		SEP 86
1 85 7471	PROCESS CONTROL SYSTEM FOR N/C AND CNC MACHINES	485.0	227.3	32.2	JUL 86	SEP 86
1 84 7472	SURFACE HARDENING GEARS BY LASER	455.0	425.0	30.0	DEC 85	JUN 88
1 85 7472	SURFACE HARDENING GEARS BY LASER	80.0		8.0	SEP 85	JUN 88
1 84 7473	MMT - FIBER REINFORCED THERMOPLASTIC STRUCTURES	610.0	575.0	35.0	MAY 87	MAY 87
1 85 7473	FIBER REINFORCED THERMOPLASTIC STRUCTURES	326.0		22.0	MAY 87	MAY 87
1 84 7474	SINGLE CURE TAIL ROTOR	148.0	118.0	30.0	NOV 85	MAR 86
1 85 7474	SINGLE CURE TAIL ROTOR	85.0	50.0	10.0	MAR 86	MAR 86
1 85 7535	AUTOMATED PRECISION GRINDING OF SPUR GEARS BY CNC *****DELINQUENT STATUS REPORT*****					
1 85 7549	ECM OF 1700 COMPRESSOR BLISKS *****DELINQUENT STATUS REPORT*****					
1 85 7558	AH-64 AUTOMATED WIRE HARNESS FABRICATION *****DELINQUENT STATUS REPORT*****					
7 84 8192	TURBINE ENGINE PRODUCTIVITY IMPROVEMENT *****DELINQUENT STATUS REPORT*****	2,559.0	2,559.0		MAR 84	SEP 84
7 84 8198	T-700 TURBINE ENGINE MFG PRODUCTIVITY IMPROVEMENT *****DELINQUENT STATUS REPORT*****	100.0				



COMMUNICATIONS AND ELECTRONICS COMMAND (CECOM)

C O M M U N I C A T I O N S + E L E C T R O N I C S C O M M A N D
CURRENT FUNDING STATUS, 1ST CY85

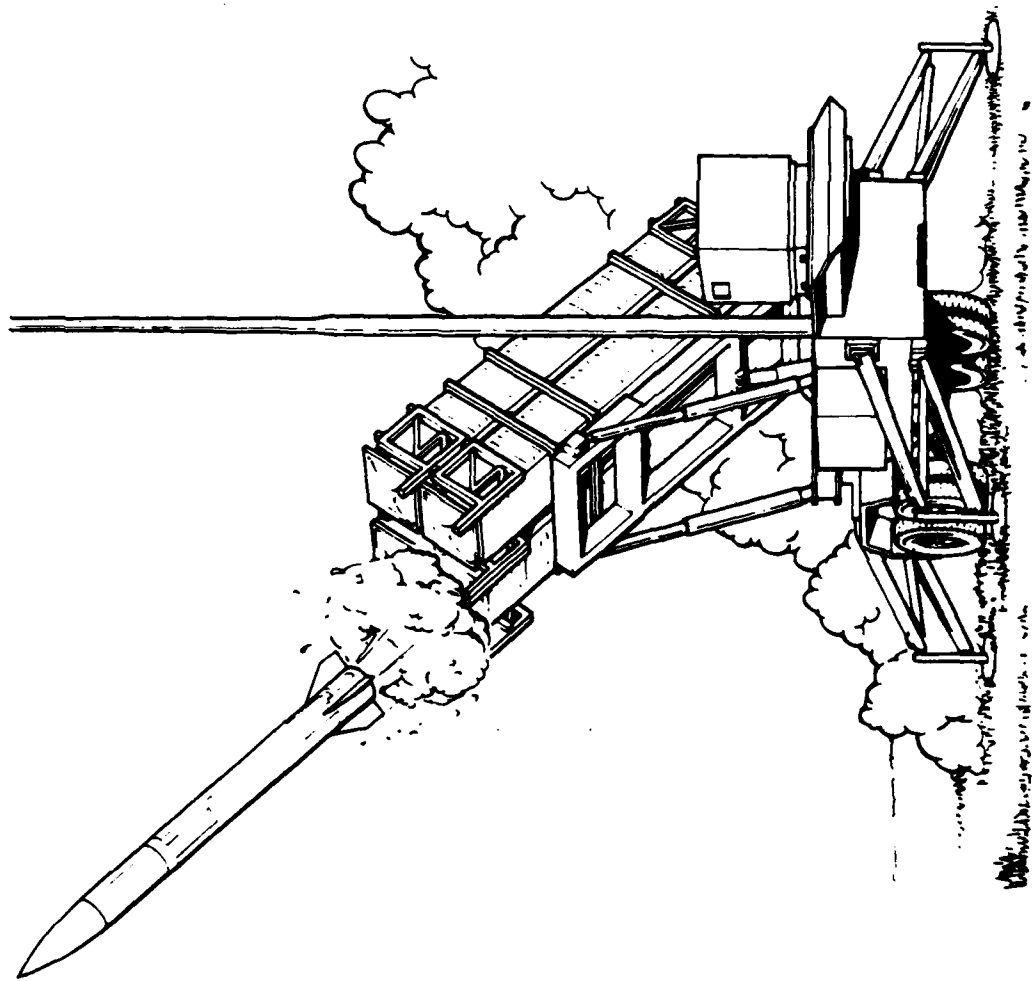
FISCAL YEAR	NU. OF PROJECTS	AUTHORIZED FUNDS (\$)	* C O N T R A C T A L L O C A T E D (\$)	* F U N D I N G E X P E N D E D (\$)	* I N H O U S E R E M A I N I N G (\$)	* F U N D I N G E X P E N D E D (\$)
79	1	369,200	278,700	278,700 (100%)	90,500	90,500 (100%)
80	2	1,360,000	1,198,400	996,400 (83%)	161,600	161,000 (99%)
81	5	6,179,000	5,774,500	5,094,100 (86%)	404,500	359,700 (88%)
82	2	2,040,000	1,855,000	1,703,000 (91%)	184,400	166,400 (90%)
83	2	1,260,000	1,253,700	1,253,700 (100%)	26,300	20,700 (78%)
84	0	7,502,800	7,183,900	4,693,300 (65%)	318,900	298,900 (93%)
85	12	3,732,600	1,144,400	196,500 (17%)	2,588,400	24,500 (0%)
TOTAL	30	22,463,800	18,689,200	14,215,700 (76%)	3,774,600	1,121,700 (29%)
AUTHORIZED FUNDING		CONTRACT ALLOCATED 83%		INHOUSE REMAINING 16%		

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 MCS DRCMT-301

PRD# NO.	TITLE + STATUS	AUTHO- RIZED	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
F 81 3050	EPITAXY OF III-V SEMICONDUCTOR PHOTODETECTORS	670.0	588.2	57.0	DEC 83	JAN 87
F 80 3054	PRODUCTION METHODS FOR MULTI-LAYER FULDED CIRCUITS	780.0	706.0	73.4	SEP 82	UCT 85
F 81 3056	ELECTROLUMINESCENT NUMERIC MODULES	1,270.7	1,131.7	139.0	DEC 82	FEB 85
F 81 3057	HIGH STABILITY VIBRATION RESISTANT QUARTZ CRYSTALS	1,785.3	1,717.6	67.7	JUL 83	JUN 85
F 83 3068	INCREASE PRODUCTIBILITY OF VARACTORS AND PIN DIODES	215.0	210.0		JUL 85	AUG 85
Z 84 3068	INCREASE PRODUCTIBILITY OF VARACTORS AND PIN DIODES	225.0	220.5	0.9	JUL 85	AUG 85
Z 85 3068	INCREASE PRODUCTIBILITY OF VARACTORS + PIN DIODES (CAM)	29.0	23.6		AUG 85	AUG 85
F 82 3075	TACTICAL GRAPHICS DISPLAY PANEL	950.0	881.6	68.4	UCT 84	MAY 86
F 82 3083	MM WAVE COMMUNICATIONS FRONT END MODULE (CFEM)	1,090.0	974.0	98.0	JUN 84	MAY 86
Z 85 3090	GAINASP LIGHT EMITTING DIODE PACKAGING	300.0			SEP 86	SEP 86
F 85 3094	COMMUNICATIONS TECHNOLOGY TECHMOD FOR JTIDS	1,065.0	1,043.7	20.7	SEP 84	UCT 85
Z 94 3094	COMMUNICATIONS TECHNOLOGY TECHMOD FOR JTIDS (CAM)	1,352.0	1,352.0		UCT 85	UCT 85
Z 85 3094	COMMUNICATIONS TECHNOLOGY TECHMOD FOR JTIDS	765.0	337.1	10.0	UCT 86	UCT 86
Z 85 3108	CONTROL OF GAAS BOULE DIAMETER	278.0		0.4	APR 87	APR 87
Z 85 3111	HMT AUTOMATIC MATCHING OF IMPEDANCE	250.0			AUG 87	AUG 87
Z 85 3139	AUTOMATED INTEROVEN TRANSFER OF GLASS PREFORMS	100.0			MAY 86	MAY 86
H 80 3501	THIRD GENERATION PHOTOCATHODE UN FIBER OPTIC FACEPLATE	580.0	492.4	87.0	MAR 82	SEP 85
H 85 5059	LINEAR RESONANCE COULES	465.0	485.0		APR 85	SEP 86
H 84 5111	VAPOR GROWTH FOR THIRD GENERATION PHOTOCATHODE	322.0	321.6		SEP 85	SEP 86
H 85 5111	VAPOR GROWTH FOR THIRD GENERATION PHOTOCATHODE *****DELINQUENT STATUS REPORT*****					
H 84 3151	LIQUID PHASE EPITAXY OF HGCDTE F/COMMON MOD DET ARRAYS-PH II	3,248.9	3,059.9	173.0	MAR 85	DEC 85
H 84 3180	LOW COST DEWAR + INTERCONNECT ASSEMBLY - PHASE II	2,104.9	1,979.9	125.0	JUN 85	SEP 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 MCS DRCHT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
H 85 5180	LOW COST DENAR + INTERCONNECT ASSEMBLY - PHASE II	211.0		13.0	JUL 86	SEP 86
H 84 7000	LASER PULARIZERS	250.0	250.0		AUG 85	NOV 85
H 85 7000	LASER PULARIZERS	230.0	108.7		JUL 86	JUL 86
2 85 9289	AUTOTEST OF MICROWAVE DEVICE WAFERS (CAM)	874.8	190.0	0.5	DEC 86	DEC 86
2 85 9290	HMT AUTOMATIC MICROWAVE SEMICONDUCTOR DEVICE TESTING	190.0			JUL 87	DEC 86
H 81 9588	THIRD GENERATION LOW COST IMAGE INTENSIFIER TUBES	1,386.0	1,280.0	100.0	JUN 84	AUG 85
H 79 9838	MINIATURE CATHODE RAY TUBES	369.2	278.7	90.5	AUG 81	NOV 85
F 81 9651	TACTICAL MINIATURE CRYSTAL OSCILLATORS	1,067.0	1,057.0	10.0	MAR 84	MAR 86



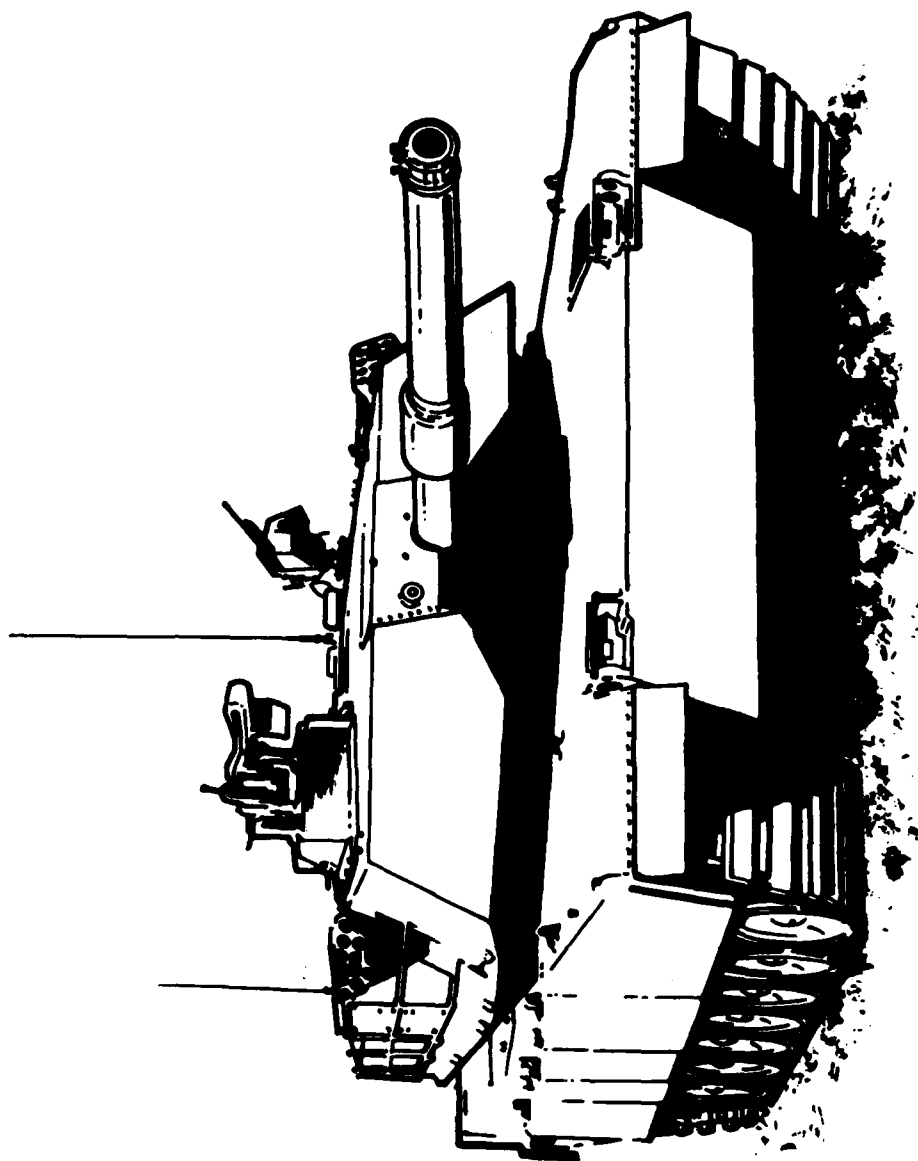
MISSILE COMMAND (MICOM)

MISSILE COMMAND
CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	* * CONTRACT ALLLOCATED (\$)	* * FUNDING EXPENDED (\$)	* * INHOUSE REMAINING (\$)	* * FUNDING EXPENDED (\$)
82	1	808,000	603,500	603,500 (100%)	204,500	204,200 (99%)
83	0	0	0	0 (0%)	0	0 (0%)
84	3	2,650,000	2,585,000	2,404,000 (92%)	265,000	221,800 (83%)
85	11	5,873,000	2,877,100	1,144,200 (39%)	2,995,900	519,800 (17%)
TOTAL	15	9,551,000	6,065,600	4,151,700 (68%)	3,465,400	945,800 (27%)
AUTHORIZED FUNDING		CONTRACT ALLOCATED 64%		INHOUSE REMAINING 36%		

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRCMT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
3 84 1060	ELECTRICAL TEST AND SCREENING OF CHIPS	1,000.0	812.0	188.0	DEC 84	DEC 85
3 85 1066	SEMIADDITIONAL SINGLE AND MULTILAYER CIRCUITRY	425.0	397.9	27.1	MAR 86	FEB 87
3 82 1076	AUTOMATIC RECOGNITION OF CHIPS	808.0	603.5	204.2	FEB 84	SEP 85
3 85 1089	INTEGRAL ROCKET MOTOR COMPOSITE ATTACHMENTS	550.0	480.7	50.0	APR 86	MAR 86
3 85 1095	AUTOMATIC SEALING OF HYBRID PACKAGES (CAM)	625.0	428.0	197.0	SEP 85	DEC 85
3 84 1109	ROBOTIZED WIRE HARNESS ASSEMBLY SYSTEM	1,000.0	1,023.0	20.0	AUG 85	DEC 85
3 85 1120	DETECTOR GRADE CADMIUM SULFIDE (CDS)	525.0		75.0	UCT 85	APR 87
3 94 1124	SCANNING TDI FOCAL PLANE ARRAY DETECTORS	800.0	750.0	7.0	UCT 86	SEP 85
3 85 1124	IMPROVED MFG PROCESSES FOR SCANNING FOCAL PLANE SENSOR ASSY	575.0			SEP 85	DEC 87
3 85 1131	MMT FOR INTEGRATED 94 GHZ SUBMUNITION TRANSCIEVER	350.0			SEP 87	SEP 87
3 85 1134	RF/LASER HARDENING OF DUNES FOR DUAL MODE SYSTEMS	1,000.0	875.0	44.7	NOV 85	UCT 87
3 85 1144	ELECTROFORMED ASPHERIC METAL MIRROR *****DELINQUENT STATUS REPORT*****					
3 85 1147	OPTICAL FIBER WIND	404.0	218.9	56.0	SEP 85	SEP 85
3 85 1148	MILLIMETER WAVE MONOLITHIC/INTEGRATION RECEIVER	589.0	476.6	70.0	JUN 87	SEP 87
3 85 1150	LITHIUM NIUBATE LASER Q-SWITCHES	750.0			DEC 86	DEC 86



**TANK-AUTOMOTIVE COMMAND
(TACOM)**

FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	* CONTRACT ALLOCATED (\$)	* FUNDING EXPENDED (\$)	* INHOUSE REMAINING (\$)	* FUNDING EXPENDED (\$)
77	1	750,000	742,200	742,200 (100%)	7,800	0 (0%)
78	0	0	0	0 (0%)	0	0 (0%)
79	0	0	0	0 (0%)	0	0 (0%)
80	1	145,000	133,800	133,800 (100%)	11,200	0 (0%)
81	4	7,607,000	652,300	205,000 (31%)	7,154,700	6,723,700 (93%)
82	10	7,071,000	4,365,000	4,149,500 (83%)	2,101,000	1,669,500 (79%)
83	11	5,141,000	4,270,200	3,559,900 (83%)	920,800	602,900 (87%)
84	7	4,444,000	3,449,100	1,023,500 (31%)	1,194,900	603,300 (50%)
95	12	2,872,000	576,000	170,000 (29%)	2,302,000	604,000 (26%)
TOTAL	46	28,180,000	14,582,000	9,983,900 (68%)	13,697,400	10,403,200 (75%)

AUTHORIZED FUNDING
CONTRACT ALLOCATED 52%
INHOUSE REMAINING 46%

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
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PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
E 77 3749	HYDRAULIC ROTARY ACTUATORS	750.0	742.2		MAY 79	DEC 85
E 80 3749	HYDRAULIC ROTARY ACTUATORS	145.0	133.8		DEC 81	DEC 85
E 81 3749	HYDRAULIC ROTARY ACTUATORS FOR M9	157.0	150.0		JUL 81	DEC 85
4 94 4001	MANUFACTURING FOR CORROSION PREVENTION IN TACTICAL VEHICLES *****DELINQUENT STATUS REPORT*****					
4 84 4001 01	NON-CORROSIVE COMPOSITE ASSEMBLIES FOR WHEELED VEHICLES *****DELINQUENT STATUS REPORT*****					
4 84 4001 02	CAB ASSEMBLY STRUCTURE FROM MOLDED COMPOSITE MATERIALS *****DELINQUENT STATUS REPORT*****					
4 85 4008	COMPOSITE DRIVE SHAFTS	220.0		23.0	SEP 86	SEP 86
4 84 4042	FLEXIBLE MANUFACTURING TECHNOLOGY INTEGRATION	419.0		250.0		DEC 85
T 82 4575	LASER WELDING TECHNIQUES FOR MILITARY VEHICLES	308.0	277.0	9.0	JCT 84	DEC 86
T 82 5014	FOUNDRY CASTING PROCESSES USING FLUID FLOW + THERM ANALYSIS	100.0	80.0	18.0	MAR 84	SEP 85
T 82 5024	GEAR DIE DESIGN + MFG UTILIZING COMPUTER TECHNOLOGY (CAM)	375.0	289.0	86.0	UCT 83	SEP 85
4 83 5053	ADIABATIC DIESEL ENGINE COMPONENTS (PHASE II)	778.0	633.3	132.0	FEB 85	JAN 87
4 83 5053 01	ADIABATIC DIESEL ENGINE COMPONENTS	563.0	443.0	120.0	SEP 85	JAN 87
4 83 5053 02	BISQUE FIRED CERAMICS	107.4	94.4	7.0	SEP 85	JAN 86
4 83 5053 03	LASER BEAM MACHINING	107.9	95.9	5.0	SEP 85	JAN 86
4 84 5053	ADIABATIC DIESEL ENGINE COMPONENTS (PHASE III)	645.0	545.0	30.0	JAN 86	JAN 87
4 84 5053 01	ADIABATIC DIESEL ENGINE COMPONENTS	645.0	545.0	30.0	JUN 86	JAN 87
4 85 5053	ADIABATIC DIESEL ENGINE COMPONENTS (PHASE IV)	156.0		76.0	JAN 87	JAN 87
4 85 5053 01	ADIABATIC DIESEL ENGINE COMPONENTS	156.0		76.0	JAN 87	JAN 87
T 82 5054	LASER SURFACE HARDENED COMBAT VEHICLE COMPONENTS	290.0	243.0	47.0	JAN 84	AUG 85
4 83 5068	NEW ANTI-CORROSIVE MATERIALS AND TECHNIQUES (PHASE III)	184.0	111.0	63.0	SEP 85	NOV 86

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
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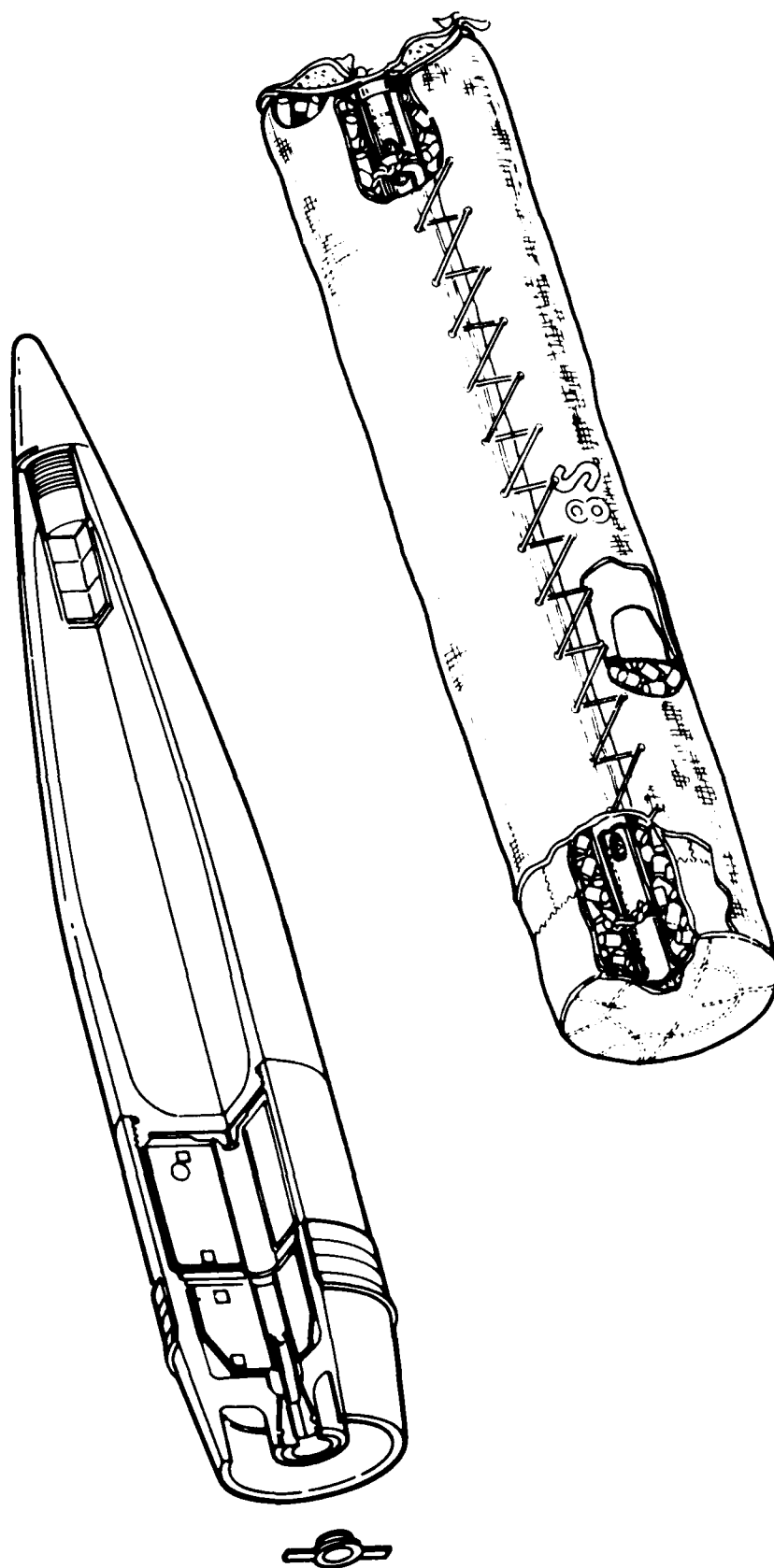
PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
T 81 5075	MILITARY ELASTOMERS FOR TRACK VEHICLES (PHASE II)	200.0	55.3	93.7	SEP 82	JAN 86
T 82 5075	MILITARY ELASTOMERS FOR TRACK VEHICLES (PHASE II)	200.0	52.0	130.6	SEP 83	JAN 86
4 83 5075	MILITARY ELASTOMERS FOR TRACK VEHICLES	145.0		114.9	JAN 86	JAN 86
4 83 5082	FLEX MACHINING SYS (FMS) PILOT LINE F/TLV COMPS (CAM) (PH V)	350.0	349.9		JCT 84	SEP 85
4 83 5090	IMPROVED AND COST EFFECTIVE MACHINING TECHNOLOGY (PHASE V)	190.0	165.0	25.0	SEP 84	JUL 85
4 83 5091	HEAVY ALUMINUM PLATE FABRICATION (PHASE I)	74.0		74.0	DEC 84	JAN 87
4 85 5091	HEAVY ALUMINUM PLATE FABRICATION	36.0		21.0	JAN 87	JAN 87
4 85 6000	LIGHTWEIGHT TILT-UP HOOD/FENDER ASSEMBLY *****DELINQUENT STATUS REPORT*****					
T 82 6038	HIGH DEPOSITION WELDING	297.0		136.0	DEC 84	DEC 85
T 82 6057	M1 COMBAT VEHICLE	2,312.0	1,462.0	756.0	SEP 83	SEP 85
T 82 6057 05	MACHINE DIAGNOSTICS	1,402.0	1,105.0	297.0	SEP 83	SEP 85
T 82 6057 13	LASER CUTTING	466.0	186.0	280.0	MAY 83	SEP 85
T 82 6057 17	MANUFACTURING METHODS FOR SPECIAL ARMORS	3,000.0		2,001.0	JAN 85	SEP 85
4 83 6057	ABRAMS M1 COMBAT VEHICLE	92.0		92.0	FEB 84	DEC 85
4 83 6057 05	MACHINE DIAGNOSTICS	55.0		55.0	FEB 84	DEC 85
4 83 6057 13	LASER CUTTING OF TRACKED COMBAT VEHICLE PARTS	32.0		32.0	FEB 84	SEP 85
4 84 6057	ABRAMS (M1) COMBAT VEHICLE	450.0	450.0		SEP 85	NOV 85
4 84 6057 04	THERMAL AND MECHANICAL CUTTING AND BEVELING ARMOR PLATE	450.0	450.0		SEP 85	NOV 85
4 85 6057	ABRAMS M1 COMBAT VEHICLE	190.0		98.0	MAY 85	SEP 85
4 85 6057 13	LASER CUTTING	95.0		49.0	MAY 85	SEP 85
T 82 6059	M2 AND M3 FIGHTING VEHICLE SYSTEM	1,429.0	1,238.0	171.0	DEC 84	JAN 86
T 82 6059 01	M2 AND M3 CAST ALUMINUM COMPONENTS	490.0	445.0	45.0	DEC 83	SEP 85

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
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PROJ NO.	TITLE + STATUS	AUTHO- RIZED	CONTRACT VALUES	EXPENDD LABOR AND MATERIAL	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
		(\$000)	(\$000)	(\$000)		
T 82 6059 02	SELF-THREADING FASTENERS	130.0	106.0	20.0	FEB 83	SEP 85
T 82 6059 03	ADHESIVE BONDING	130.0	105.0	25.0		UCT 85
T 82 6059 06	LASER HEAT TREATING	130.0	107.0	20.0	SEP 84	SEP 85
T 82 6059 08	PRODUCTION METHODS FOR COMPOSITE TURKET BASKET	131.0	107.0	24.0	JUN 83	JAN 86
T 82 6059 20	CARC APPLICATION PROCESSING TECH	418.0	368.0	37.0	DEC 84	JAN 86
4 83 6059	M2 AND M3 FIGHTING VEHICLE SYSTEM	805.0	689.0	110.0	APR 85	SEP 85
4 93 6059 13	METAL ARC SPRAYING	310.0	260.0	48.0	UCT 84	SEP 85
4 83 6059 17	PRE-PAINT CLEANING SYSTEM	325.0	275.0	48.0	UCT 84	AUG 85
4 83 6059 19	SQUELZE CAST GUNNERS MATCH	170.0	154.0	14.0	APR 85	AUG 85
4 84 6059	M2 AND M3 FIGHTING VEHICLE SYSTEM	203.0	213.0	6.0	JAN 86	JAN 86
4 84 6059 08	PRODUCTION METHODS FOR COMPOSITE TURRET BASKET	263.0	213.0	6.0	JAN 86	JAN 86
T 82 6079	AGT-1500 ENGINE	1,600.0	1,324.0	294.0	MAR 85	DEC 85
T 82 6079 12	LASER WELDER FOR RECUPERATOR ID/OD	200.0	257.9		DEC 85	DEC 85
4 83 6079	AGT-1500 ENGINE	1,534.0	1,442.0	92.0	UCT 85	FEB 86
4 83 6079 01	MONOCRYSTAL ALLOY FOR HIGH PRESSURE TURBINE BLADES	231.0	208.0	23.0		FEB 86
4 83 6079 02	RAPIDLY SOLIDIFIED RATE (RSR) NICKEL-BASE SUPERALLOY	363.0	340.0	23.0		FEB 86
4 83 6079 03	BI-CAST HIGH PRESSURE TURBINE NOZZLE	498.0	475.0	23.0		SEP 85
4 83 6079 05	AUTOMATIC DEBURRING OF ENGINE COMPONENTS	442.0	419.0	23.0		NOV 85
4 85 6079	AGT-1500 ENGINE	950.0	340.0	35.0	MAR 86	JUL 87
4 85 6079 02	RAPID SOLIDIFICATION TECH (RST) NICKEL-BASE SUPERALLOY	33.0	30.0	4.0	DEC 86	DEC 86
4 85 6079 05	AUTOMATED DEBURRING OF ENGINE COMPONENTS	324.0	310.0	9.0	JUL 86	UCT 86
4 85 6079 06	ADVANCED BALANCING MACHINING	201.0		0.0	MAR 86	JUL 87
4 85 6079 11	ERUSION RESISTANT COATINGS FOR COMPRESSOR BLADES/VANES	311.0		0.0	SEP 85	FEB 87

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
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PROJ NO.	TITLE + STATUS	AUTHOR- RIZED	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
4 85 6079 22	NET-SHAPE CAST COMBUSTOR LINERS FOR AGT-1500 ENGINE	81.0		8.0		JUL 87
T 82 6090	TEAD DEPUT ANALYSIS OF RESOURCES AND TECHNOLOGY (DART)	100.0		15.7	MAY 83	DEC 85
4 84 6090	TEAD DEPUT ANALYSIS OF RESOURCES AND TECHNOLOGY (DART)	2,061.0	1,461.1	502.3	SEP 85	JAN 86
4 85 6090	TEAD DEPUT ANALYSIS OF RESOURCES AND TECHNOLOGY (DART)	250.0			MAY 86	JAN 86
4 83 6095	ABRAMS TRANSMISSION PRODUCTIVITY IMPROVEMENTS (PHASE I)	304.0	286.0		DEC 84	JAN 86
4 83 6095 03	SURFACE TREATMENT AND CAST HARDENING OF STEEL COMPONENTS	150.0	132.0		SEP 84	JAN 86
4 83 6095 05	SKIVE HOBGING	154.0	154.0			JAN 86
4 85 6095	ABRAMS TRANSMISSION PRODUCTIVITY IMPROVEMENTS PHASE III	95.0	70.0	13.0	JAN 86	JAN 86
4 85 6095 05	SKIVE HOBGING OF GEARS	95.0	70.0		JAN 86	JAN 86
T 81 6098	PRODUCTION OF SPECIAL ARMOR STEEL	900.0	447.0	115.0	NOV 83	JUL 85
T 81 6099	MANUFACTURING METHODS FOR SPECIALIZED ARMOR MATERIALS	6,550.0		6,515.0	JUL 84	SEP 85
4 83 6107	IMPROVED M9T TRACK	735.0	594.0	100.0	AUG 84	JAN 86
4 83 6107 01	COMP MFG FRM H1 STR/LTWEIGHT FERROUS, NON-FERR + MTL MATRIX	735.0	285.0		JUN 84	JAN 86
4 83 6107 03	ORGANIC COMPOSITE ROAD WHEEL	735.0	309.0		AUG 84	JAN 86
4 85 6107	IMPROVED M9T TRACK	450.0	160.0	48.0	SEP 85	SEP 86
4 85 6107 01	TRACK PINS + SHOES MFG FROM ALUMINUM MATRIX COMPOSITE MATL	450.0	160.0			APR 86
4 85 6107 02	LOW COST ADAPTIVE FLUIDIC DAMPER MATERIALS	450.0				SEP 86
4 84 6121	CAD/CAM FOR THE BRADLEY FIGHTING VEHICLE	606.0	580.0	15.0	JAN 86	JAN 86
4 84 6121 01	ROBOTIC WELDING	606.0	580.0	15.0	JAN 86	JAN 86
4 85 6121	CAD/CAM FOR THE BRADLEY FIGHTING VEHICLE *****DELINQUENT STATUS REPORT*****					
4 85 6123	CERAMIC TURBOCHARGER ROTOR	250.0		15.0	SEP 86	FEB 87
4 85 6125	WELD PROCESSING PLANNING AND CONTROL	275.0		275.0	JUL 85	JUL 85



**ARMAMENT, MUNITIONS AND CHEMICAL COMMAND
(AMCCOM)
(AMMUNITION)**

AMCCUM (AMMUNITION)
CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NU. OF PROJECTS	AUTHORIZED FUNDS (\$)	* C U N T R A C T F U N D I N G ALLOCATED (\$)	* C U N T R A C T F U N D I N G EXPENDED (\$)	* I N H O U S E F U N D I N G REMAINING (\$)	* I N H O U S E F U N D I N G EXPENDED (\$)
76	1	93,000	14,000	6,000 (42%)	79,000	77,000 (97%)
77	0	0	0	0 (0%)	0	0 (0%)
77	0	0	0	0 (0%)	0	0 (0%)
78	1	322,500	0	0 (0%)	322,500	281,000 (87%)
79	3	4,560,000	2,574,100	2,171,200 (91%)	2,165,900	1,254,900 (57%)
80	2	1,852,000	450,000	450,000 (100%)	1,402,000	104,000 (7%)
81	8	6,365,300	2,820,300	2,643,100 (92%)	3,565,000	1,523,600 (45%)
82	22	25,666,000	18,043,500	17,076,400 (94%)	7,622,500	6,023,100 (79%)
83	11	6,861,100	4,866,100	4,421,900 (90%)	1,995,000	1,733,200 (86%)
84	44	24,302,400	18,544,300	9,340,200 (56%)	7,758,100	5,022,700 (64%)
85	45	24,961,900	10,914,600	969,600 (8%)	14,067,300	1,032,400 (7%)
TOTAL	137	95,024,200	56,026,900	37,078,400 (66%)	38,997,300	17,207,100 (44%)

AUTHORIZED FUNDING CONTRACT ALLOCATED 59% INHOUSE REMAINING 41%

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PRGJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
5 84 0904	CHEMICAL REMOTE SENSING SYSTEMS	2,112.0	1,977.0	135.0	NOV 86	NOV 86
5 85 0904	MFG TECH FOR CHEMICAL REMOTE SENSING SYSTEMS	1,441.0	1,350.0	6.7	JUL 86	AUG 87
5 82 0905	MANUFACTURE OF IMPREGNATED CHARCUAL-IMPETLERITE	282.0	103.0	179.0	DEC 84	MAR 86
5 84 0905	MANUFACTURE OF IMPREGNATED CHARCUAL (IMPETLERITE)	456.0	400.0	56.0	MAR 86	MAR 86
5 85 0905	MANUFACTURE OF IMPREGNATED CHARCUAL	100.0		44.0	MAR 86	MAR 86
5 84 0918	MODERNIZATION OF FILTER PENETRATION EQUIPMENT	300.0	200.0	52.2	SEP 85	SEP 85
5 85 0918	MODERNIZATION OF FILTER PENETRATION EQUIPMENT *****DELINQUENT STATUS REPORT*****					
5 85 0923	VELOCITY TRAVERSE MAPPER F/CHARCUAL FILTERS	200.0		57.0	JUN 87	JUN 88
5 83 0924	MANUFACTURING PROCESS FOR GAS MASK CANISTERS	283.0	228.0	55.0	SEP 85	MAR 86
5 84 0924	MANUFACTURING PROCESS FOR GAS MASK CANISTERS	800.0	482.0	215.0	MAR 86	MAR 86
5 83 0925	PROTECTIVE MASK LEAKAGE TESTING	199.0	150.0	49.0	JUN 84	DEC 85
5 84 0925	PROTECTIVE MASK LEAKAGE TESTING	600.0	530.0	70.0	JCT 85	AUG 86
5 85 0925	PROTECTIVE MASK LEAKAGE TESTING	230.0			AUG 86	AUG 86
5 84 0926	MNT FOR XM22 CHEMICAL AGENT ALARM SYSTEM	700.0	456.0	121.0	JCT 87	SEP 87
5 85 0926	MFG TECH F/CHEMICAL AGENT ALARM, XM22	1,193.0	1,170.0	23.0	SEP 87	SEP 87
5 85 0927	COMPUTER AIDED PROCESS PLANNING FOR CB FILTERS (CAM)	105.0		26.0	AUG 88	AUG 88
5 85 1295	MODERNIZATION OF CHARCUAL FILTER TEST EQUIPMENT	219.0	148.0	53.0	JUL 84	SEP 85
5 84 1295	MODERNIZATION OF CHARCUAL FILTER TEST EQUIPMENT	600.0		100.0	SEP 85	SEP 85
5 85 1295	MODERNIZATION OF CHARCUAL FILTER TEST EQUIPMENT	600.0	3,450.0	85.0	MAR 86	MAR 86
5 81 1500	EVAL INDUST CAPABILITY F/LOAD COMMERCIAL EXPL-HIGH USE MUNRT *****DELINQUENT STATUS REPORT*****	543.0	294.0	248.0	SEP 82	SEP 84
5 82 1500	EVAL INDUST CAPABILITY F/LOAD COMMERCIAL EXPL-HIGH USE MUNRT *****DELINQUENT STATUS REPORT*****	450.0		302.0	JCT 83	SEP 84

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PROJ NO. TITLE + STATUS

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
5 82 1600	THREE PIECE SHAFT FOR THE SUU-65/B TAILCONE *****DELINQUENT STATUS REPORT*****	250.0				DEC 84
5 82 1701	BULK TRANSFER OF CHEMICAL MATERIALS *****DELINQUENT STATUS REPORT*****	221.0	91.2	119.8	SEP 85	SEP 85
5 83 1701	BULK TRANSFER OF CHEMICAL MATERIALS					
5 82 1709	IMPROVED PROCESSING OF PYROTECHNIC MIXTURES	207.0	73.2	87.6	SEP 85	SEP 85
5 83 1709	IMPROVED PROCESSING OF PYROTECHNIC MIXTURES	500.0	93.1	370.8	JUL 84	SEP 85
5 82 1711	RED PHOSPHORUS POLLUTION ABATEMENT EVALUATIONS	446.0	274.7	100.9	JUL 84	SEP 85
5 84 1802	AUTOMATED OPTICAL MICROELECTRONICS INSPECTION	125.0	53.5	53.9	UCT 83	SEP 85
5 85 1802	AUTOMATED OPTICAL MICROELECTRONICS INSPECTION	696.0	625.0	33.4	JUN 87	AUG 86
5 84 1803	IMPROVED LEAD DIOXIDE ELECTROPLATING TECHNOLOGY	556.0	74.2		MAR 87	MAR 87
5 85 1805	IMPROVED PRODUCTION VIBRATION TESTS-M732 (PIP) FUZE	346.0	271.0	5.0	MAR 86	MAR 86
5 84 1914	PROCESS ENGINEERING FOR EAK EXPLOSIVES *****DELINQUENT STATUS REPORT*****	200.0		10.0	DEC 86	DEC 86
5 81 3961	IMPROVED VIBR ACCEPTANCE TESTING F/M732,XM587/724 FUZES ? STA	450.0		369.9	SEP 85	SEP 85
5 79 4000	AUTOMATED M55 DETONATOR PRODUCTION EQUIPMENT	690.0	645.0	45.0	DEC 83	AUG 85
5 81 4000	AUTOMATED M55 DETONATOR PRODUCTION EQUIPMENT	1,747.0	868.0	879.0	MAR 81	DEC 85
5 79 4024	OSN JEW BLD PRUT CUMP AND AUTO ASSY MACH M223 FUZE	404.0	11.3	363.4	SEP 81	DEC 85
5 82 4062	AUTO MANUFACTURE SYSTEM FOR MORTAR INCREMENT CONTAINERS	1,935.0	1,506.1	380.9	SEP 81	MAR 87
5 82 4062 01	SLURRY VACUUM FORMING MFG SYS	4,743.7	4,007.9	713.5	SEP 84	MAR 86
5 82 4062 02	PAPER MOLDING MANUFACTURING SYSTEM				SEP 83	DEC 85
5 82 4062 03	ASSEMBLY SYSTEM				JUL 84	MAR 86
5 84 4078	UPGRADE SAFETY, READINESS + PRUD OF EXISTING MELT POUR LINES	621.0	488.0	101.0	SEP 83	DEC 85
5 82 4145	CONTROL DRYING AUTO JB + BALL PROPELLANT MANUFACTURING	479.2	260.1	201.5	SEP 83	JUN 86

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5 82 4145 01	CONTROL DRYING AUTO SB PROP MFG	335.8	219.7	99.2	SEP 83	JUN 86
5 82 4161	PRODUCTION TECHNIQUES FOR IMPROVED SMOKE MUNITION (81 MM) *****DELINQUENT STATUS REPORT*****	516.0	97.5	380.0	JUL 83	MAY 85
5 84 4170	TNT CRYSTALLIZER FOR LARGE CALIBER MUNITIONS	570.0	339.7	183.8	JUN 85	JUN 86
5 85 4200	TNT CRYSTALLIZER F/LARGE CALIBER MUNITIONS	235.0		24.8	DEC 85	SEP 86
5 82 4267	CONTINUOUS PROCESS FOR GRANULAR COMP B	362.5	229.3	111.7	MAR 84	MAR 86
5 84 4273	AUTOMATED PRODUCTION OF STICK PROPELLANT	1,001.0	846.0	141.2	MAR 86	JUN 86
5 85 4273	AUTOMATED PRODUCTION OF STICK PROPELLANT	698.0	558.2	33.4	MAR 87	JUN 87
5 81 4281	CONSERVATION OF ENERGY AT ARMY AMMUNITION PLANTS	1,325.4	632.7	667.8	SEP 84	MAR 87
5 81 4281 A04	ENERGY RECOVERY FROM WASTE HEAT	409.1	194.1	211.6		MAR 86
5 81 4281 A08	LAVITATIONAL REMOVAL OF EXPLOSIVES	375.8	269.6	84.1	JUN 83	MAR 86
5 82 4281	CONSERVATION OF ENERGY AT ARMY AMMUNITION PLANTS	1,361.6	773.2	259.3	SEP 84	MAR 86
5 82 4281 A01	PROCESS ENERGY INVENTORY	193.3	136.3	56.7	JUN 84	DEC 85
5 82 4281 A04	ENERGY RECOVERY FROM WASTE HEAT	419.2	281.9	132.7	SEP 84	DEC 85
5 82 4281 A12	POWER PRODUCTION FROM WASTE HEAT	426.9	354.9	69.9	JUN 84	MAR 86
5 82 4281 C01	PROCESS ENERGY INVENTORY AT PINE BLUFF ARSENAL	322.0		322.0		MAR 85
5 84 4281	CONSERVATION OF ENERGY AT ARMY AMMUNITION PLANTS	180.0	120.0	18.3	MAR 85	MAR 86
5 84 4281 A02	OPTIMIZED INSULATION	180.0	120.0	18.3	MAR 85	SEP 85
5 85 4281	CONSERVATION OF ENERGY AT ARMY AMMUNITION PLANTS	95.0	62.0	9.6	SEP 85	DEC 86
5 85 4281 A02	OPTIMIZED INSULATION	95.0	62.0	9.7	DEC 86	JUL 86
5 70 4303	ACCEPTANCE OF CONTINUOUSLY PRODUCED BLACK POWDER *****DELINQUENT STATUS REPORT*****	93.0	14.0	77.0	APR 77	JUN 85
5 82 4309	AMMUNITION FOR THE 120MM TANK MAIN ARMAMENT	3,946.0	3,275.3	658.0	SEP 84	MAR 86
5 82 4309 04	COMBUSTIBLE CARTRIDGE CASE, 120MM	2,946.0	2,488.7	416.0		MAR 86

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5 82 4309 23	AUTOMATIC DEFLASHING EQUIPMENT FOR 120MM REAR SEAL	262.1	247.0	6.0	UCT 86	MAR 86
5 81 4311	DEVELOP AUTOMATED PRODUCTION EQUIPMENT FOR AM 692	464.9	428.9	35.2	SEP 82	MAR 86
5 82 4312	ANTI-ARMOR CLUSTER MUNITION PRODUCTION EXPLOSIVE INJECTION	546.0	351.4	180.6	JUN 83	DEC 85
5 82 4344	ESTABLISH WASTE DISPOSAL TECHNIQUE FOR M687 BINARY PROJECT	580.0	180.0	230.0	NOV 83	SEP 86
5 78 4349	MODERNIZATION OF PRESS LOADING FOR HEP PROJECTILES *****DELINQUENT STATUS REPORT*****	322.5		281.0	JUN 80	DEC 84
5 80 4357	NONDESTRUCTIVE TEST EQUIP F/LARGE CALIBER MUNITIONS F/M483A1 *****DELINQUENT STATUS REPORT*****	554.0	450.0	104.0	JUN 83	FEB 86
5 82 4357	NONDESTRUCTIVE TEST EQUIP F/LARGE CALIBER MUNITIONS F/M483A1 *****DELINQUENT STATUS REPORT*****	199.0	69.0	68.0	UCT 83	FEB 86
5 84 4358	AUTO LINE PROCESS INSPECT OF NEW EEDS (ALPINE) *****DELINQUENT STATUS REPORT*****	355.0	250.0		JAN 87	JAN 87
5 85 4358	AUTO LINE PROCESS INSPECT OF NEW EED (ALPINE) *****DELINQUENT STATUS REPORT*****					
5 82 4364	ON-LINE BIO SENSORS TO MONITOR MIXED WASTE STREAMS	324.0	261.0	63.0	SEP 83	DEC 85
5 84 4406	IMPROVING THE YIELD OF HMX DURING RDX NITRILYSIS	137.0		116.4	MAR 85	DEC 85
5 85 4406	IMPROVING THE YIELD OF HMX DURING RDX NITROLYSIS	1,393.0		127.4	MAR 86	DEC 86
5 83 4449	PROCESS IMPROVEMENT FOR COMP C-4	563.1	366.1	177.0	MAR 85	DEC 85
5 85 4449	PROCESS IMPROVEMENT FOR COMP C-4 + PBX EXPLOSIVES	377.0	238.8	14.4	MAR 86	JUN 86
5 79 4454	AUTO INSPECTION DEVICE EXPLOS CHARGE SHELL (AIDECS) CAM *****DELINQUENT STATUS REPORT*****	878.0			DEC 81	DEC 85
5 80 4454	AUTO INSPECTION DEVICE EXPLOS CHARGE SHELL (AIDECS) CAM *****DELINQUENT STATUS REPORT*****	1,298.0			APR 82	DEC 85
5 80 4454 01	AUTOMATIC INSPECTION DEVICE FOR EXPLOSIVE CHARGE IN SHELL (A *****DELINQUENT STATUS REPORT*****				APR 82	DEC 85
5 80 4454 02	AUTOMATIC X-RAY INSPECTION SYSTEM (AXIS) *****DELINQUENT STATUS REPORT*****				AUG 80	DEC 85

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5 81 4454	AUTO INSPECTION DEVICE EXPLOS CHARGE SHELL (AIDECS) CAM *****DELINQUENT STATUS REPORT*****	1,885.0			UCT 82	DEC 85
5 81 4454 01	AUTOMATIC INSPECTION DEVICE FOR EXPLOSIVE CHARGE IN SHELL *****DELINQUENT STATUS REPORT*****				MAY 82	DEC 85
5 81 4454 02	AUTOMATIC X-RAY INSPECTION SYSTEM (AXIS) *****DELINQUENT STATUS REPORT*****				UCT 82	DEC 85
5 82 4454	AUTO INSPECTION DEVICE EXPLOS CHARGE SHELL (AIDECS) CAM *****DELINQUENT STATUS REPORT*****	5,886.0	4,920.0	921.0	JUL 83	DEC 85
5 82 4454 01	AUTO INSP DEVICE FOR EXPLOSIVE CHARGE IN SHELL (AIDECS) *****DELINQUENT STATUS REPORT*****				JUL 83	DEC 85
5 82 4454 02	AUTO X-RAY INSPECTION SYSTEM (AXIS) *****DELINQUENT STATUS REPORT*****				JUL 83	MAR 85
5 84 4473	AUTOMATED LEAK DETECTION OF WP MUNITIONS	410.0	305.0	73.0	JUN 85	UCT 85
5 84 4489	ADVANCED POLLUTION ABATEMENT TECHNOLOGY F/DARCUM FACILITIES	905.9	611.9	193.0	JUN 85	MAR 86
5 84 4489 01	DISPOSAL OF WASTEWATER TREATMENT SLUDGES	460.5	329.5	94.3	JUN 85	MAR 86
5 84 4489 02	ADVANCED PINK WATER TREATMENT (TNT/RDX/HMX IN WATER)	445.4	282.4	98.7	JUN 85	MAR 86
5 81 4503	NEW PROCESS FOR SAMS TRACER AMMUNITION	500.0	402.4	97.6	AUG 82	DEC 85
5 82 4503	NEW PROCESS FOR SAMS TRACER AMMUNITION	199.0		199.0	SEP 83	DEC 85
5 81 4506	5.56 MM CARTRIDGE LINKING SYSTEM	573.0	406.0	167.0	JAN 83	DEC 85
5 82 4506	5.56MM CARTRIDGE LINKING SYSTEM	577.0	338.0	239.0	JAN 84	DEC 85
5 84 4510	AUTO ASSY OF ADDITIVE LINER TO TANK CTG	295.0	225.0	58.5	SEP 85	DEC 85
5 85 4510	AUTO ASSEMBLY OF ADDITIVE LINER TO TANK CARTRIDGE CASE	217.0	91.4	17.1	MAR 86	JUN 86
5 83 4511	DISPOSAL OF FINAL SLUDGE FROM ACID RECOVERY OPERATIONS	465.1	382.1	83.0	UCT 85	DEC 85
5 84 4511	DISPOSAL OF FINAL SLUDGE FROM ACID RECOVERY OPERATIONS	191.5	140.5	30.0	JUN 85	DEC 85
5 85 4511	DISPOSAL OF FINAL SLUDGE FROM ACID RECOVERY OPERATIONS	375.0		8.0	DEC 85	JUN 86
5 84 4523	RAPID MOISTURE ANALYSIS OF EXPLOSIVE MIXES	200.0	39.0	123.8	SEP 85	DEC 85

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5 84 4524	AUTOMATED MELT POUR EQUIPMENT FOR SMALL AP MINES	384.8	239.9	107.7	SEP 85	MAR 86
5 82 4529	MANUFACTURE OF PRECISION CONES FOR HEAT PROJECTILES	524.0	185.0	135.0	SEP 82	MAR 86
5 85 4531	AUTO PROD OF MULTI-BASE STICK PROPELLANT ON CAGML	604.0	492.6	15.9	SEP 86	SEP 86
5 83 4534	SAWS BULLET CONVERSION OF SCAMP EQUIPMENT	752.2	640.4	111.8	APR 85	JUL 85
5 84 4534	M855 BULLET CONVERSION OF SCAMP EQUIPMENT	1,859.1	1,655.1	198.0	MAY 86	UCT 85
5 85 4534	M855 BULLET CONVERSION OF SCAMP EQUIPMENT	557.0	371.7	95.0	SEP 85	SEP 85
5 83 4538	5.56 SAWS LINK ORIENTER AND FEED SYSTEM	453.0	378.0	75.0	MAR 85	MAR 86
5 85 4539	AUTOMATED CARTRIDGE CASE HARDNESS MEAS + CONTROL *****DELINQUENT STATUS REPORT*****	397.0	256.2		UCT 85	UCT 85
5 84 4540	CAC03 COATING OF 7.62MM BALL PROPELLANT	321.0	210.7	85.0	JUN 85	SEP 85
5 84 4541	HIGH SPEED INSPECTION OF SAA PRIMED CASES	499.0	388.0	95.0	JUN 86	JAN 86
5 84 4544	THIRD GENERATION DYNAGUN (GAMMA) TO SIMULATE TANK GUNS *****DELINQUENT STATUS REPORT*****	416.0	362.0	32.0	JUL 85	SEP 85
5 85 4544	THIRD GENERATION DYNAGUN (GAMMA) TO SIMULATE TANK *****DELINQUENT STATUS REPORT*****	317.0	51.0		SEP 85	SEP 85
5 85 4545	DIGITAL IMAGE AMPLIFICATION X-RAY SYSTEM (DTAX) *****DELINQUENT STATUS REPORT*****	180.0			SEP 85	SEP 85
5 84 4547	PROCESS TECHNOLOGY FOR XM76 IR SCREENING GRENADE	301.0	200.0	101.0	FEB 85	AUG 85
5 84 4548	PYRO SAFETY ENHANCEMENT	473.6	314.9	117.5	MAR 86	MAR 86
5 84 4548 02	TRANSPORT AND CONVEYING SAFETY ENHANCEMENT				MAR 86	MAR 86
5 84 4548 04	BAY DESIGN SAFETY ENHANCEMENT				MAR 86	MAR 86
5 84 4548 05	OPERATORS CLOTHING SAFETY				MAR 86	MAR 86
5 85 4548	PYRO SAFETY ENHANCEMENT	314.0		11.0	JUN 86	JUN 86
5 84 4550	AUTOMATED ASSEMBLY OF M22 FLASH SIMULATOR	522.8	394.8	57.3	DEC 85	MAR 86
5 84 4551	MANUFACTURING PROCESS PARAMETER FOR XM855/856 AMMO	619.0	83.0	335.0	MAR 83	MAY 87

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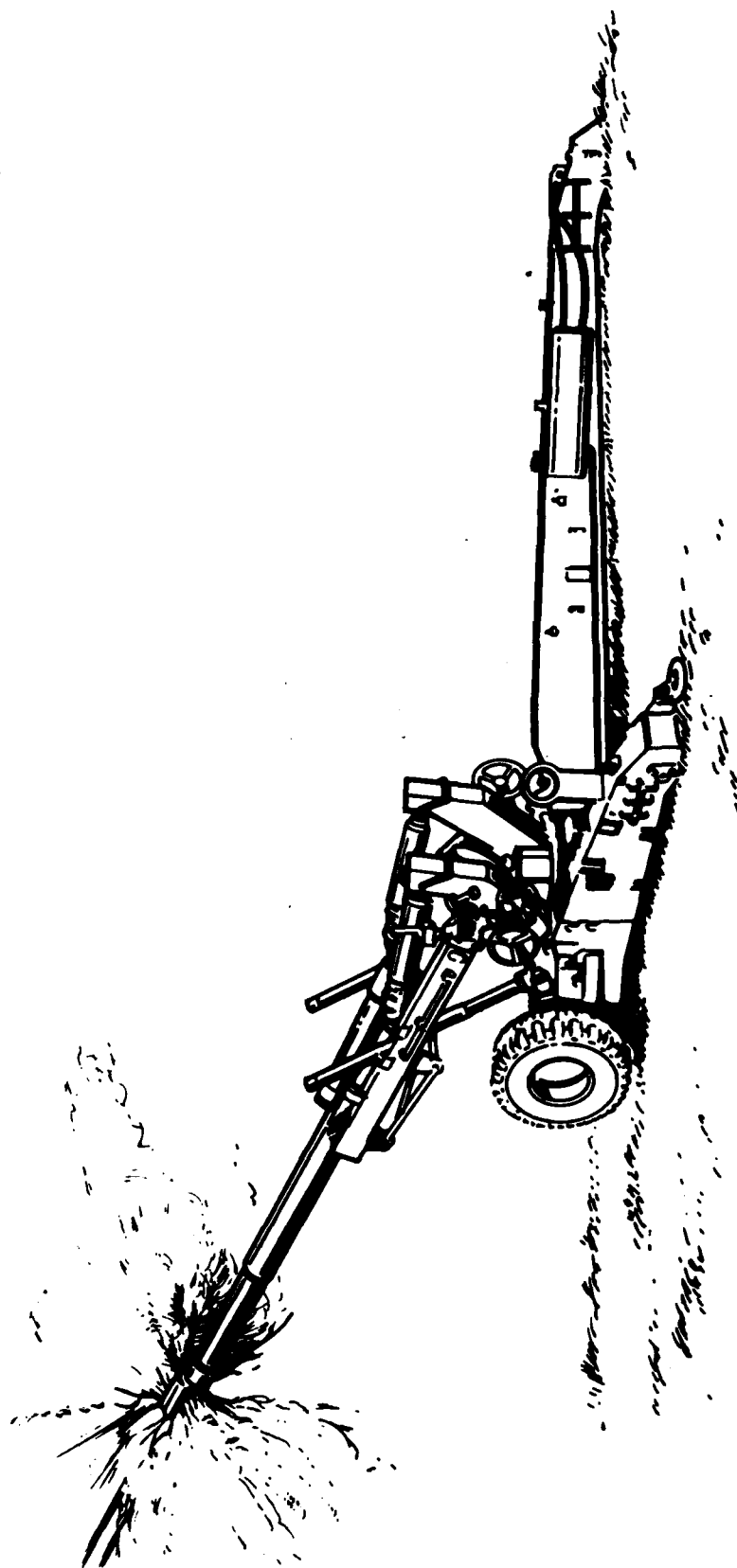
PROJ NO.	TITLE + STATUS	AUTHO- RIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
5 84 4556	UN-LINE MONITORS F/WATER POLLUTANTS GENERATED BY MFR OF EXRL	430.0	233.1	76.9	SEP 85	DEC 86
5 82 4557	ARBAT *****DELINQUENT STATUS REPORT*****	2,975.0	2,672.0	303.0	JUN 84	AUG 85
5 83 4563	PROCESS IMPROVEMENT FOR TANK DU PENETRATORS	2,703.8	1,773.7	831.4	JUN 85	MAR 86
5 83 4563 04	HEAT TRANSFER AND RESIDUAL STRESSES	281.2		281.2	JUN 85	JUL 85
5 83 4563 05	REDUCTION OF CHIP OXIDATION	182.9		181.3	MAR 85	JUN 85
5 83 4563 06	RECYCLING OF STABALLOY MACHINING CHIPS	784.8	696.8	72.7	JUL 85	DEC 85
5 83 4563 07	FORMING TO NEAR NET SHAPE	345.9	299.4	35.3	JUN 85	MAR 86
5 83 4563 08	NON-DESTRUCTIVE TESTING OF A PREFORMED SHAPE	227.5		152.4	SEP 85	MAR 86
5 83 4563 11	PROCESS IMPROVE FOR DU PENETRATORS-MG F2 LINERS	317.6	276.1	30.7	JUL 85	DEC 85
5 83 4563 16	QUENCH PARAMETERS FOR HEAT TREATING DU	498.3	451.8	46.5	JUN 85	JUL 85
5 83 4563 20	IMPROVED DU WEDUCTION PROCESSING	65.6	49.6	16.0	JUL 85	JUL 85
5 84 4563	PROCESS IMPROVEMENT FOR TANK DU PENETRATORS	2,350.0	1,393.7	712.3	MAR 86	JUN 86
5 84 4563 05	REDUCTION OF CHIP OXIDATION	650.0	548.7	87.6	MAR 86	JUN 86
5 84 4563 13	ELIMINATE/REDUCE NITRIC ACID PICKLING	282.8	240.5	21.7	SEP 85	DEC 85
5 84 4563 14	EVALUATE MOLD COATINGS	295.2	252.9	27.3	SEP 85	DEC 85
5 84 4563 17	NEUTRON MEASUREMENT OF RESIDUAL STRESSES	124.5		94.3	NOV 85	JUN 86
5 84 4563 18	FILTRATION OF MOLTEN URANIUM	432.9	351.6	44.2	DEC 85	MAR 86
5 84 4563 22	MACHINING LONG ROD DU PENETRATORS	558.3		445.2	DEC 85	JUN 86
5 84 4570	IMPR MFS PRO TES PROC F/AM762 ARTY ELECT TIME FUZE	367.0	304.0	71.1	SEP 85	DEC 86
5 85 4570	IMPROVE MFG PROCESSES + TEST PROC F/ARTIL ELECT TIME FUZES	976.0	699.9	15.7	SEP 86	DEC 86
5 84 4574	IMPROVED PRECESS FOR ROX/HMX FINES MANUFACTURE	149.0	99.0	50.0	SEP 85	DEC 85
5 85 4574	IMPROVED PROCESS FOR ROX/HMX FINES MANUFACTURE *****DELINQUENT STATUS REPORT*****					

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
SUMMARY PROJECT STATUS REPORT
1ST SEMIANNUAL SUBMISSION CY 85 RCS DRGHT-301

PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
5 84 4578	MODIFICATION + IMPROVEMENT OF DMSO PILOT PROCESS FOR RDX/HMX	430.0	308.2	83.8	MAR 85	MAR 86
5 85 4578	MOD + IMP OF THE DMSO PILOT PROCESS FOR RDX/HMX	159.0	111.0	2.3	MAR 86	JUN 86
5 84 4579	WHITE WATER RECOVERY SYS F/COMBUSTIBLE CASE MANUFACTURING	500.0	355.1	98.8	DEC 85	MAR 86
5 85 4584	LOADING EQUIPMENT FOR CAL .50 AMMUNITION	650.0	24.0	39.0	DEC 85	FEB 86
5 84 4597	MFG PROC F/CANNON CALIBER DU PENETRATOR (20MM, 25MM, 30MM)	374.0		463.0	NOV 85	DEC 85
5 83 4605	PROPELLANT BED DEPTH CONTROL IN CASOL AIR DRY	569.9	451.9	109.5	JUL 84	MAR 86
5 84 4606	AUTOMATED ASSEMBLY OF BLU 97/8 COMBINED EFFECTS MUNITION	1,417.7	1,270.7	45.4	DEC 85	MAR 86
5 85 4612	NITRAMINE (LUVA) PROPELLANT WASTEWATERS ABATEMENT	249.9	174.9	6.8	DEC 86	DEC 86
5 85 4613	METHOD F/PROCESS ANALYSIS OF RDX/HMX SLURRY	319.0	212.0	30.0	MAR 86	JUN 86
5 85 4615	IMPROVED SOLVENTLESS PASTE BLENDING	360.0	282.0	17.0	SEP 86	SEP 86
5 85 4623	CALCIUM CYANAMIDE PROCESS CONTROL	263.0	210.0	14.0	DEC 85	JUN 86
5 85 4624	AUTOMATED MFG OF MILLIMETER WAVE DIODES (CAM)	2,843.0		64.7	SEP 86	DEC 86
5 85 4625	AUTO MFG OF SILICON IF AMPLIFIER IC (CAM)	284.0		16.1	JUN 86	SEP 86
5 84 4626	AUTOMATED ASSEMBLY OF MILLIMETER WAVE TRANSDUCERS	160.0		18.0	DEC 84	SEP 86
5 85 4626	AUTO ASSEMBLY OF MILLIMETER WAVE TRANSDUCER	3,171.0		28.1	JUN 86	DEC 86
5 85 4627	AUTO TESTING OF MILLIMETER WAVE TRANSDUCER	1,943.0		50.2	SEP 86	DEC 86
5 85 4633	AUTO SENSOR SYSTEMS TEST F/MMM + IR SNEER	554.0			SEP 86	DEC 86
5 85 4637	AUTO MFG OF SFF WARHEAD LINERS	785.0		24.5	DEC 86	DEC 86
5 85 4642	CAL .50 CARTRIDGE FEEDING	388.0	89.0	77.0	MAR 86	FEB 86
5 85 4643	AUTO LINKING OF CAL .50 AMMUNITION *****DELINQUENT STATUS REPORT*****					
5 85 4658	NITRAMINE PROPELLANT PROCESSING	435.0		51.4	JUN 86	JUN 86
5 84 4657	BINARY FACILITY MONITORING AND DETECTION	290.0	45.0	245.0	MAY 85	AUG 85

MANUFACTURING METHODS AND TECHNOLOGY PROGRAM
S U M M A R Y P R O J E C T S T A T U S R E P O R T
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PROJ NO.	TITLE + STATUS	AUTHO- RIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
5 85 4660	AUTOMATED BLENDING OF STICK PROPELLANT	573.0	465.7	23.0	SEP 86	SEP 86
5 84 4663	REMOVAL OF BARIUM FROM CUMP A-3, TYPE II WASTEWATER	50.0		37.2	SEP 85	MAR 86
5 84 4664	RADIOLOGICAL INSPECTION OF AMMUNITION FOR THE SGT YORK *****DELINQUENT STATUS REPORT*****	91.0			APR 85	APR 85
5 84 4665	COMPUTER SIMULATION OF DU QUENCHING	400.0		286.5	SEP 86	DEC 86
5 84 4668	ELECTROSTATIC PRECIP IMPROVEMENTS (SMOG HDG)	300.0	333.0	3.0	SEP 85	DEC 86
5 85 4698	MULTI-FELTING + PRESSING OF COMBUSTIBLE CART CASE COMPONENTS	625.0	480.0	13.2	MAR 87	MAR 87
5 85 4763	MANUFACTURING PROCESS FOR AMMO *****DELINQUENT STATUS REPORT*****					
5 84 4773	120MM COMBUSTIBLE CASE BODY REMOVAL SYSTEM	200.0	131.0	29.0	MAR 86	JUN 86
5 85 4761	AUTOMATIC GAGE FOR THREAD INSPECTION *****DELINQUENT STATUS REPORT*****					



**ARMAMENT, MUNITIONS AND CHEMICAL COMMAND
(AMCCOM)
(WEAPONS)**

CURRENT FUNDING STATUS, 1ST CY62

CONTRACT ALLOCATED 28%

AUTORIZED PERSONS ONLY

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PROJ NO.	TITLE + STATUS	AUTHORIZED (\$000)	CONTRACT VALUES (\$000)	EXPENDED LABOR AND MATERIAL (\$000)	ORIGINAL PROJECTED COMPLETE DATE	PRESENT PROJECTED COMPLETE DATE
6 76 7580	PILOT AUTOMATED SHOP LOADING AND CONTROL SYSTEM- CAM	331.1	285.2	45.9	SEP 78	NOV 85
6 79 7605	CHEMICALLY BUNDED SAND FOR CLOSE TOLERANCE CASTING	127.0	22.0	104.9	MAR 80	DEC 85
6 80 7605	CHEMICALLY BUNDED SAND FOR CLOSE TOLERANCE CASTING	253.0		252.7	FEB 82	DEC 85
6 84 7707	AUTOMATED PROCESS CONTROL FOR MACHINING	135.0	63.3	71.8	SEP 83	DEC 85
6 81 7724	GROUP TECHNOLOGY OF WEAPON SYSTEMS (CAM) *****DELINQUENT STATUS REPORT*****	180.0	148.1	22.5	JUN 83	SEP 85
6 83 7724	GROUP TECHNOLOGY OF WEAPON SYSTEMS (CAM) *****DELINQUENT STATUS REPORT*****	250.0	111.1	75.3	SEP 85	SEP 85
6 80 7730	MANUFACTURE OF SPLIT RING BREECH SEALS	363.0	87.6	229.4	DEC 82	MAR 86
6 82 7730	MANUFACTURE OF SPLIT RING BREECH SEALS	108.0		85.3	SEP 84	DEC 85
6 79 7802	ESTABLISH MACHINE TOOL PERFORMANCE SPECIFICATIONS	288.0	267.5	19.6	JUN 81	JUL 85
6 81 7807	PROGRAMMED OPTICAL SURFACING EQUIPMENT AND METHODOLOGY (CAM)	374.0	129.0	25.0	JUL 83	SEP 85
6 82 7926	HOT ISOSTATIC PRESSING (HIP) OF LARGE ORDNANCE COMPONENTS	295.0	82.9	190.1	SEP 84	DEC 85
6 81 7928	ROBOTIZED BENCHING OPERATIONS (CAM)	287.0	251.2	35.8	SEP 83	DEC 85
6 80 7949	APPLICATION OF GROUP TECHNOLOGY TO RIA MFG (CAM)	139.5	97.4	31.5	MAY 82	DEC 85
6 80 7963	GROUP TECHNOLOGY FOR FIRE CONTROL PARTS AND ASSEMBLIES	428.5	21.8	347.5	DEC 81	SEP 86
6 81 7985	SMALL ARMS WEAPONS NEW PROCESS PRODUCTION TECHNOLOGY	471.0	253.0	171.0	JUL 82	JUN 86
6 81 7985 02	BARREL BROACHING *****DELINQUENT STATUS REPORT*****					
6 81 7985 03	HIGH SPEED MACHINING *****DELINQUENT STATUS REPORT*****					
6 81 7985 04	SMALL ARMS WEAPONS NEW TECH-RAPID FLOW PLATING				JUL 84	JUN 86
6 82 7985	SMALL ARMS WEAPONS NEW PROCESS PRODUCTION TECHNOLOGY	620.0	349.0	134.0	JUL 83	JUN 86
6 82 7985 01	SMALL ARMS WEAPONS NEW PROCESS TECH-ROTARY FURGING		1,980.0			JUN 86
6 82 7985 03	SMALL ARMS WEAPONS NEW PROCESS TECH-HS MACHINING *****DELINQUENT STATUS REPORT*****					JUL 84

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6 82 7985 05	RECYCLE OF GUN STEEL				JAN 85	JUN 86
6 83 7985	SMALL ARMS WEAPONS NEW PROCESS PRODUCTION TECHNOLOGY	530.0	348.0	160.0	UCT 84	JUN 86
6 83 7985 01	SMALL ARMS WEAPONS NEW PROCESS TECH-ROTARY FORGING				UCT 86	JUN 86
6 83 7985 05	RECYCLE OF GUN STEEL				JAN 85	JUN 86
6 83 7985 06	TRAVELING ELECTRODE ECM KIFLING					JUN 86
6 84 7985	SMALL ARMS WEAPONS NEW PROCESS PRODUCTION TECHNOLOGY	718.0	514.0	128.0	UCT 85	UCT 87
6 84 7985 01	SMALL ARMS WEAPONS NEW PROCESS TECH-ROTARY FORGING					UCT 87
6 84 7985 04	RAPID FLOW PLATING OF GUN TUBES				UCT 86	UCT 87
6 84 7985 06	TRAVELING ELECTRODE ECM RIFLING					UCT 87
6 84 7985 07	STRAIGHTENING				JAN 85	UCT 87
6 84 7985 08	TRIBULOGY				JAN 85	UCT 87
6 85 7985	SMALL ARMS WPNS NEW PROCESS PRODUCTION TECHNOLOGY	890.0	199.0	12.0	UCT 87	UCT 87
6 85 7985 01	SMALL ARMS WEAPONS NEW PROCESS TECH-ROTARY FORGING				UCT 87	UCT 87
6 85 7985 04	SMALL ARMS WEAPONS NEW TECH-RAPID FLOW PLATING				UCT 87	UCT 87
6 85 7985 06	TRAVELING ELECTRODE ECM RIFLING				UCT 87	UCT 87
6 85 7985 07	STRAIGHTENING				UCT 87	UCT 87
6 85 7985 08	TRIBULOGY				UCT 87	UCT 87
6 86 8017	POLLUTION ABATEMENT PROGRAM	86.0		86.0	JAN 81	DEC 85
6 82 8024	HIGH SPEED ABRASIVE BELT GRINDING	142.0		88.8	SEP 84	DEC 85
6 82 8030	MANUFACTURING GUIDE FOR ELASTOMERIC SEALS	123.0	21.0	77.5	MAY 83	SEP 85
6 81 8035	COATING TUBE SUPPORT SLEEVES WITH BEARING MATERIALS *****DELINQUENT STATUS REPORT*****	200.0	18.7	179.2	JUN 82	MAY 85
6 80 8051	APPLICATION AND CONTROL OF MACHINE TOOLS (CAM)	209.0	148.8	59.7	AUG 81	DEC 85

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6 80 8057	DUAL RIFLING BROACH REMOVAL SYSTEM	215.0	8.1	176.9	SEP 82	JUL 85
6 82 8102	POWDER METALLURGY FORGINGS WEAPONS COMPONENTS	110.0	74.2	28.7	SEP 84	SEP 85
6 85 8102	APPL OF POWDER METALLURGY FORGING TO WEAPON COMPONENTS	142.0		41.5	SEP 85	SEP 86
6 81 8105	ESTABLISH ROUGH THREAD BLANKS, 8 IN M201 BUSHING	292.0	196.9	87.9	SEP 83	JUN 86
6 81 8107	CREEP FEED CRUSH FURN GRINDING	73.0		69.8	JUL 84	SEP 85
6 82 8108	PRODUCTION/IN-PROCESS INSPECTION OF OPTICAL BONDS	205.0		205.0	DEC 83	MAY 86
6 83 8120	ADAPTIVE CONTROL TECHNOLOGY (CAM)	532.0		94.0	SEP 85	SEP 86
6 81 8135	IN-PROCESS CONTROL OF MACHINING	906.0	685.3	220.7	UCT 82	MAR 86
6 82 8135	IN-PROCESS CONTROL OF MACHINING	841.0	595.7	53.2	FEB 84	MAR 86
6 81 8136	IMPROVED IMPULSE PROGRAMMERS FOR HYDRAULIC SIMULATORS	80.0		55.5	SEP 83	SEP 85
6 82 8151	PORTABLE ENGRAVING SYSTEM	171.0	93.1	52.4	JAN 84	DEC 85
6 84 8153	INCREASING GUN TUBE HEAT TREATMENT CAPACITY	250.0		71.8	UCT 86	UCT 86
6 83 8154	COMPUTER INTEGRATED MANUFACTURING (CIM) FOR CANNON	650.0	348.5	289.7	SEP 84	DEC 85
6 84 8154	COMPUTER INTEGRATED MANUFACTURING (CIM) FOR CANNONS	450.0		80.0	SEP 86	SEP 86
6 81 8165	STANDARDS FOR DIAMOND TURNED OPTICAL PARTS *****DELINQUENT STATUS REPORT*****	189.0	84.0	105.0	DEC 82	JUN 85
6 82 8165	STANDARDS FOR DIAMOND TURNED OPTICAL PARTS *****DELINQUENT STATUS REPORT*****	258.0	125.0	125.0	UCT 83	JUN 85
6 81 8209	PILOT PRODUCTION OF GRADIENT INDEX OPTICS	374.0	334.0	40.0	MAY 83	JUL 85
6 82 8231	IMPROVED CASTING TECHNOLOGY (CAD/CAM) *****DELINQUENT STATUS REPORT*****	250.0		78.7	MAR 84	FEB 86
6 84 8231	IMPROVED CASTING TECHNOLOGY	122.0		7.7	MAR 86	DEC 87
6 82 8238	BORING BREECH RING LUGS	203.0	66.2	120.5	AUG 84	SEP 86
6 82 8241	COMPUTER DIAGNOSTICS AND CONTROL FOR BORE GUIDANCE	308.0		45.2	JUN 85	DEC 85

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6 84 8241	COMPUTER DIAGNOSTICS + CONTROL APPL TO BORE GUIDANCE (CAM)	85.0		53.8	MAR 86	SEP 86
6 83 8243	COMPUTER CONTROL FOR ELECTRODEPOSITION SYSTEMS	260.0		212.6	SEP 84	MAR 86
6 82 8244	OPTIMIZE THE HEAT TREATMENT OF ROTARY FORGE TUBES	350.0	133.8	124.8	MAR 84	SEP 85
6 83 8245	APPLICATION OF EROSION RESIS LOW CONTRACTION CHROMIUM PLATE	195.0		143.4	SEP 84	SEP 85
6 82 8248	APPLICATION OF HIGH-RATE CUTTING TOOLS	102.0		101.9	JUN 83	UCT 85
6 84 8249	SHORT-CYCLE HEAT TREATMENT OF WEAPON COMPONENTS	132.0		38.3	JUN 85	DEC 85
6 85 8249	SHORT-CYCLE HEAT TREATMENT OF WEAPON COMPONENTS	165.0		8.2	MAR 86	SEP 86
6 84 8250	IMPROVED FABRICATION OF RECOIL WEAR SURFACES	28.0	8.9	18.2	DEC 84	UCT 85
6 85 8250	IMPROVED FABRICATION OF RECOIL WEAR SURFACES	169.0		4.9	JUN 86	JUN 86
6 82 8251	IMPROVED MELTING PRACTICES *****DELINQUENT STATUS REPORT*****	193.0	5.1	118.0	JUN 83	SEP 85
6 83 8251	IMPROVED MELTING PRACTICES *****DELINQUENT STATUS REPORT*****	164.0		54.0	FEB 85	SEP 85
6 82 8252	INDUCTION HEATING OF A VARYING DIAMETER PREFORM	301.0	78.0	123.6	MAR 84	DEC 85
6 82 8253	MACHINE TOOL DYNAMIC MEASUREMENTS AND DIAGNOSTICS	250.0	122.8	83.8	APR 84	MAY 86
6 82 8259	IMPROVED MANUFACTURING PROCESS FOR FIRE CONTROL REGISTERS	261.0		156.1	SEP 84	MAY 86
6 82 8262	PRODUCTION METHODS FOR OPTICAL WAVEGUIDES	480.0	306.0	174.0	JAN 83	DEC 85
6 84 8262	PRODUCTION METHODS FOR OPTICAL WAVEGUIDES	155.0		130.5	APR 85	DEC 85
6 85 8262	PRODUCTION METHODS FOR OPTICAL WAVEGUIDES	470.0			DEC 85	DEC 85
6 81 8305	INTEGRATED MANUFACTURING SYSTEM (IMS) - (CAM)	235.0		107.0	JUL 82	JUN 86
6 82 8305	INTEGRATED MANUFACTURING SYSTEM (IMS) - (CAM)	204.0		30.9	SEP 86	JUN 86
6 83 8305	INTEGRATED MANUFACTURING SYSTEM (IMS) - (CAM)	75.0		75.0	UCT 84	JUN 86
6 84 8305	INTEGRATED MANUFACTURING SYSTEM (IMS) (CAM)	1,677.0			SEP 85	JUN 86
6 85 8305	INTEGRATED MANUFACTURING SYSTEM - IMS	950.0			JUN 86	JUN 86

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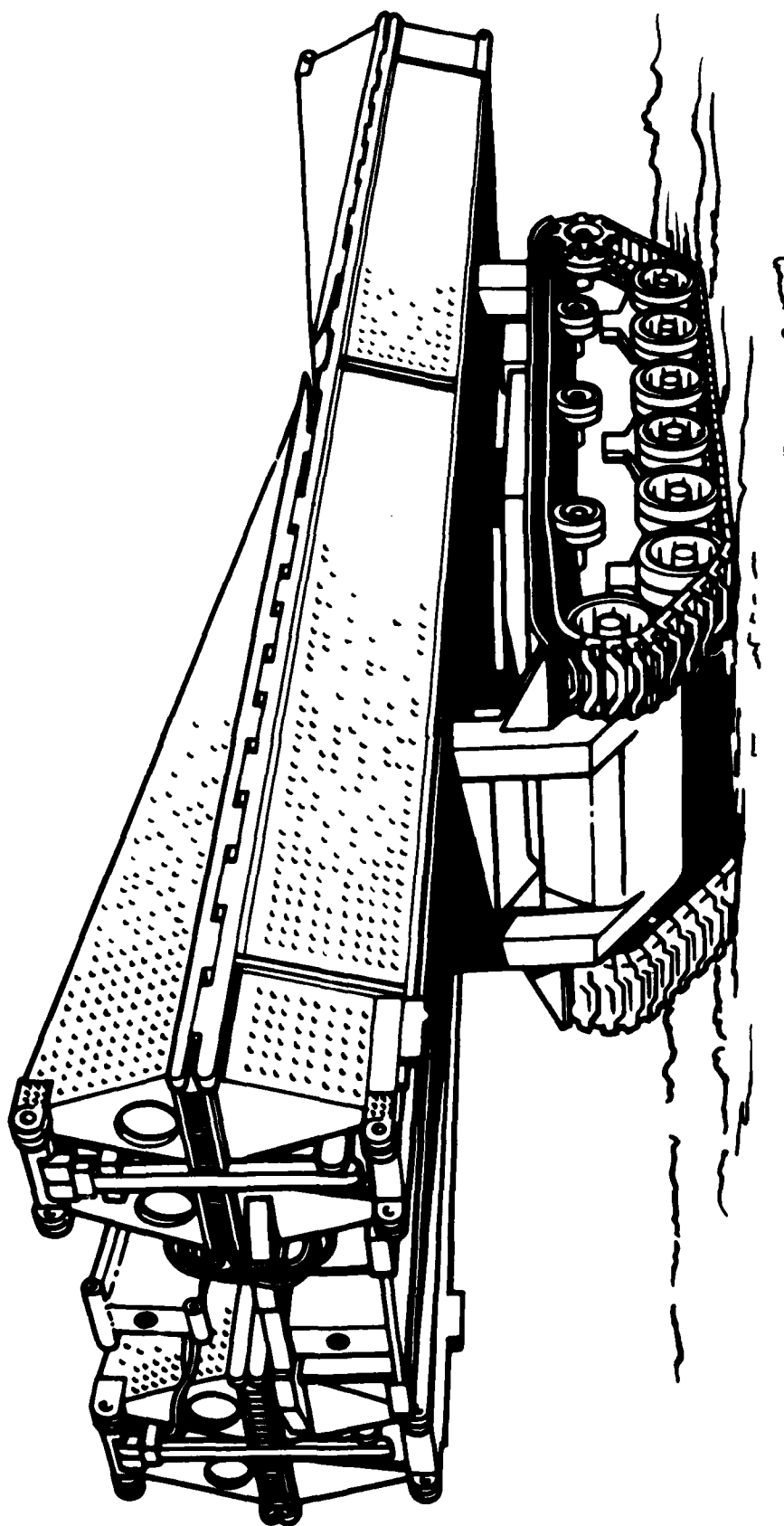
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6 82 8306	ON-LINE PRODUCTION INFORMATION SYSTEM (CAM)	70.0	67.1	2.9	UCT 84	UCT 85
6 83 8306	ON-LINE PRODUCTION INFORMATION SYSTEM - RIA (CAM)	200.0	96.3	2.6	SEP 84	FEB 86
6 84 8306	ON-LINE PRODUCTION INFORMATION SYSTEM - RIA (CAM)	571.0		0.9	UCT 85	UCT 86
6 84 8323	SPRAY-AND-FUZE PROCESSING OF ARMAMENT COMPONENTS	200.0	103.3	89.9	APR 85	DEC 85
6 85 8323	SPRAY-AND-FUZE PROCESSING OF ARMAMENT COMPONENTS	48.0		37.0	DEC 85	DEC 85
6 84 8324	PROCESS CONTROLS FOR P/M WEAPON COMPONENTS	160.0	76.0	84.0	JUN 85	SEP 85
6 85 8324	PROCESS CONTROLS FOR P/M WEAPON COMPONENTS	300.0		20.2	SEP 85	SEP 86
6 84 8326	APPLICATION OF CORROSION RESISTANT COATINGS	185.0	30.0	124.9	FEB 85	SEP 85
6 84 8329	FIRE CONTROL OPTICAL DEVICES NEW PROCESS PRODUCTION TECH	424.0	275.0	133.0	APR 85	AUG 85
6 85 8329	IPI - FIRE CONTROL OPTICAL DEVICES NEW PROCESS PROD TECH	275.0	200.0		DEC 85	APR 86
6 82 8341	HOLLOW CYLINDER CUT OFF MACHINE	535.0	407.1	23.8	SEP 84	UCT 86
6 83 8352	SKIING (METAL SHAVING) GUN TUBE BORES	145.0	14.7	89.9	SEP 84	SEP 85
6 83 8354	CUTTING OF HOT ROTARY FORGE TUBES	414.0	330.0	50.2	SEP 85	UCT 86
6 84 8370	AUTO INSP AND PROC CONTROL OF WPNS PARTS MFG	300.0	221.0	79.0	SEP 86	SEP 86
6 85 8370	AUTO INSP + PROCESS CONTROL OF WPNS PARTS MFG (CAM)	225.0	145.0	15.0	SEP 86	SEP 86
6 82 8416	FLEXIBLE MACHINING SYSTEM - RIA (CAM)	138.0	99.9	2.8	SEP 83	DEC 85
6 84 8416	FLEXIBLE MFG SYSTEMS W/SPECIAL TOOLING	399.0		51.1	UCT 85	MAY 86
6 84 8416 01	FLEXIBLE MACHINING SYSTEM	200.0		23.2	UCT 85	MAY 86
6 84 8416 02	FLEXIBLE MFG SYSTEM W/SPECIAL TOOLING RIA-CAM	139.0		27.9	SEP 85	JUN 85
6 85 8416	FLEXIBLE MFG SYSTEM W/SPECIAL TOOLING - RIA	178.0		25.4	MAR 86	MAR 86
6 85 8416 02	FLEXIBLE MFG SYS W/SPECIAL TOOLING - RIA (CAM)	178.0		25.4	MAR 86	MAR 86
6 84 8426	APPLICATION OF LASERS TO CANNON MANUFACTURE	622.0	3.5	80.2	SEP 86	SEP 86
6 84 8430	AUTOMATED WELDING OF ROTARY FORGE HAMMERS	137.0	14.9	43.9	SEP 86	JAN 86

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6 84 8431	AUTOMATED WELDING OF BORE EVACUATORS	215.0		40.3	SEP 86	JUL 86
6 84 8433	IN PROCESS CONTROL OF SELAS HEAT TREAT SYSTEM (CAM)	125.0	1.8	22.7	JUN 86	DEC 86
6 84 8434	EDDY CURRENT INSPECTION OF GUN TUBES	118.0	4.7	25.8	JUL 85	DEC 85
6 84 8436	QUENCH CYCLE PROFILE MEASUREMENT SYSTEM	148.0		29.5	SEP 85	SEP 86
6 85 8436	QUENCH CYCLE PROFILE MEASUREMENT SYSTEM	147.0		23.6	JUL 86	JUL 87
6 84 8437	DENSIFICATION OF WEAPON CASTINGS (HIP)	108.0	15.0	19.1	SEP 86	DEC 86
6 84 8439	IMPROVED RIFLING PROCEDURES	80.0		50.4	SEP 85	FEB 86
6 84 8448	GRADED PROCESS FOR BORE EVACUATOR	260.0		133.6	SEP 84	JUN 86
6 85 8449	OPTIMAL RIFLING CONFIGURATION FOR CR PLATING	140.0				SEP 86
6 84 8473	APPL FUSED SALT PROCESS TO COAT TANTALUM ON L CAL LINERS	242.6		84.5	SEP 85	SEP 86
6 85 8473	APPL FUSED SALT PROCESS	250.0		112.0	SEP 86	MAR 87
6 84 8474	APPL OF PARTIAL REFRACTORY LINERS TO CANNON TUBES	369.0		112.0	SEP 86	DEC 86
6 85 8474	APPL OF REFRACTORY LINERS TO CANNON TUBES	118.0		62.2	SEP 86	SEP 86
6 85 8511	CASTING OF ANTI-FRICTION METAL COMPONENTS	200.0		9.8	SEP 86	SEP 86
6 85 8544	WIRE E.D.M. MACHINING OF RIFLING BROACHES	70.0		14.7	JAN 86	JAN 86
6 85 8546	MACHINERY CONDITIONS SURVEILLANCE SYSTEM	253.0		22.8	SEP 87	MAR 88
6 85 8552	ELECTROPULSHING TO IMPROVE TUBE FATIGUE LIFE *****DELINQUENT STATUS REPORT*****					
6 85 8559	CIM FOR CANNON CAD/CAM/CUMH	1,010.0		320.0	JAN 86	SEP 89
6 85 8560	APPLICATION OF COUNTER HOLDER EQUIPMENT TO ROTARY FORGING	190.0		129.9	DEC 85	DEC 85
6 85 8573	GENERIC GUN GYMNASIACATOR	105.0		42.3	SEP 88	SEP 88
6 85 8603	ROBOTIC WELDING - KIA	185.0		57.3	JUL 86	JUL 86
6 85 8606	APPLICATION OF FLUIDIZED BED HEAT TREATMENT	74.0		21.2	JUN 86	JUN 86

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6 85 8625	MANUFACTURE OF MULTI-LOG BREACH MECHANISMS	80.0		26.3	JAN 86	JAN 86
6 85 8633	A THREE DIMENSIONAL NON-CONTACT MEASURING SYSTEM	125.0		20.9	DEC 86	DEC 86



**TROOP SUPPORT COMMAND
(TROSCOM)**

T R O O P S U P P O R T C O M M A N D
CURRENT FUNDING STATUS, 1ST CY85

FISCAL YEAR	NO. OF PROJECTS	AUTHORIZED FUNDS (\$)	C O N T R A C T F U N D I N G A L L O C A T E D (\$)	EXPENDED (\$)	REMAINING (\$)	I N H O U S E F U N D I N G EXPENDED (\$)
84	1	1,628,000	1,624,000	1,254,000 (77%)	4,000	4,000 (100%)
85	2	1,167,000	1,050,000	820,000 (78%)	117,000	81,000 (69%)
TOTAL	3	2,795,000	2,674,000	2,074,000 (77%)	121,000	85,000 (70%)
AUTHORIZED FUNDING		CONTRACT ALLOCATED 96%		INHOUSE REMAINING 4%		

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					PROJECTED COMPLETE DATE	PROJECTED COMPLETE DATE	PROJECTED COMPLETE DATE	PROJECTED COMPLETE DATE
E 84 3796	COMBAT VEHICLE DEPERNING PRODUCTION FACILITY	1,628.0	1,624.0	4.0	DEC 85	DEC 85	DEC 85	
E 85 3796	COMBAT VEHICLE DEPERNING PRODUCTION FACILITY	1,167.0	1,050.0	81.0	DEC 85	DEC 85	DEC 85	
J 85 8074	ADVANCED HARDENED SHELTER COST OPTIMIZATION *****DELINQUENT STATUS REPORT*****							

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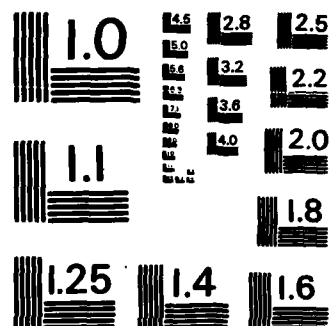
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