

**Phenomenological Research  
and  
Analysis**

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*1 January 1991*



**Science Applications International Corporation**

*An Employee-Owned Company*

Presented to:

U. S. Government

Contract MDA908-91-C-0037

(Client Private)

Submitted by:

Science Applications International Corporation

Cognitive Sciences Laboratory

## I OBJECTIVE

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The objective of this document is to provide a periodic status report for research and analysis of anomalous mental phenomena.\*

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\* This report constitutes the deliverable DI-MGHT-80227 under contract number MDA908-91-C-0037.

## II PROGRESS REPORT

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### 1. Technical Milestones

In this section, we provide highlights of the technical progress during the period between 1 October and 30 November 1991. Please see the Interim Technical Report for the same time period for complete details.

#### 1.1 Clin 1: Research

The primary activities during the reporting period included:

- Final details for the first meeting of the Policy Oversight Committee (POC) on 2 December 1991.
- Final details for the first meeting of the Institutional Review Board (IRB) on 6 December 1991.
- Completion of IRB protocols for experiments that are specified in the Statement of Work.
- Completion of Scientific Oversight Committee (SOC) protocols.
- Computation of change of entropy for a static target pool.
- Development of software for digitizing dynamic targets.

All SOC protocols have been mailed to the membership.

#### 1.2 Clin 3: Support Activity

There was no activity under this clin.

#### 1.3 Clin 4: Hardware and Software

All hardware and software purchases have been received.

#### 1.4 Clin 5: Support Activity (Option 1)

There was no activity under this clin.

### 2. Changes

No changes to the Cognitive Sciences Laboratory, method of operation, management, or milestones occurred during this reporting period.

### 3. Problems

There were no problems encountered during the reporting period.

## 4. Financial summary

### 4.1 Total Project Statistics (\$1,442.057 k)

Figure 1 shows that the overall project expenditures are near the ideal linear curve. The actual spending curve falls below the linear model. This can be accounted for by the fact that the subcontract vouchers and the expected equipment purchases are not yet included in these figures.

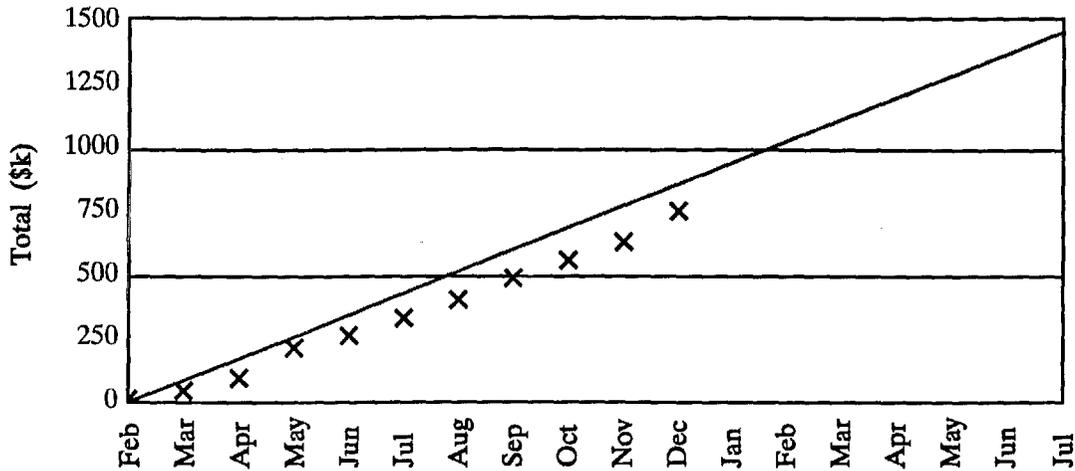


Figure 1. Financial Performance for Total Project

Table 1.

Total Project Financial History

| Date              | Expenditure (\$k) |
|-------------------|-------------------|
| 1 March 1991      | \$6.812           |
| 29 March 1991     | \$41.632          |
| 26 April 1991     | \$91.944          |
| 24 May 1991       | \$211.899         |
| 21 June 1991      | \$258.388         |
| 19 July 1991      | \$328.615         |
| 16 August 1991    | \$399.904         |
| 13 September 1991 | \$484.452         |
| 11 October 1991   | \$567.262         |
| 08 November 1991  | \$626.577         |
| 06 December 1991  | \$749.229         |

### 4.2 CLIN 1 — Research (\$1,062.760 k)

The remaining items left to perform on the statement of work will be completed on this CLIN.

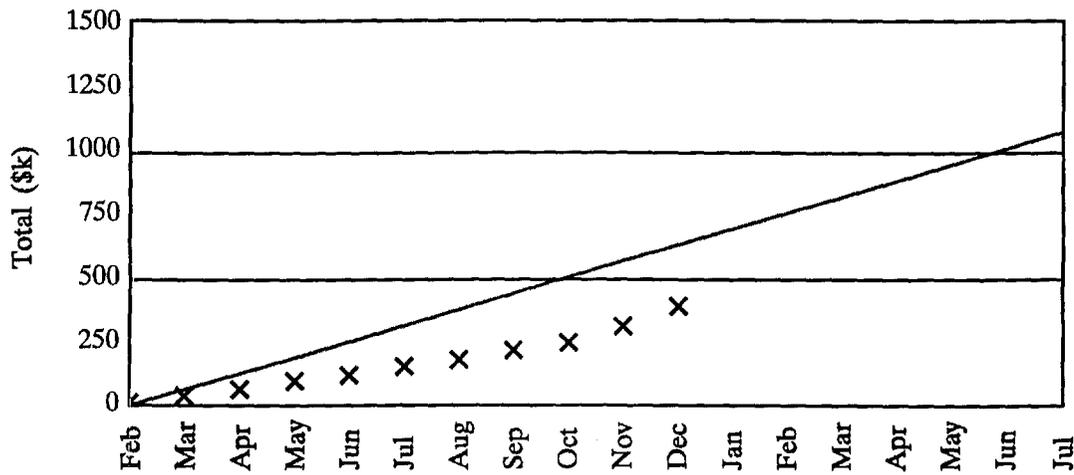


Figure 2. Financial Performance for SOW 6.1, 6.2, 6.3

Table 2.

Total Project Financial History

| Date              | Expenditure (\$k) |
|-------------------|-------------------|
| 1 March 1991      | \$6.812           |
| 29 March 1991     | \$34.528          |
| 26 April 1991     | \$60.232          |
| 24 May 1991       | \$92.813          |
| 21 June 1991      | \$115.303         |
| 19 July 1991      | \$151.531         |
| 16 August 1991    | \$177.491         |
| 13 September 1991 | \$215,398         |
| 11 October 1991   | \$244,112         |
| 08 November 1991  | \$309,198         |
| 06 December 1991  | \$387,474         |

### 4.3 CLIN 3 — Support Activity (\$195.298 k)

The work performed on this CLIN has been completed. The 15% pending dollar amount is the withholding which will be invoiced at the close of the contract.

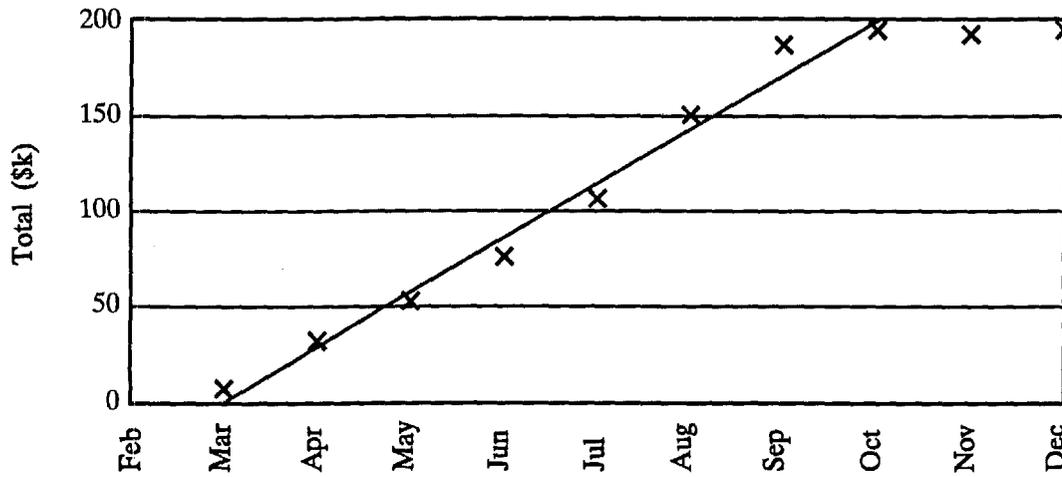


Figure 3. Financial Performance for SOW 6.4

Table 3.

#### Total Project Financial History

| Date              | Expenditure (\$k) |
|-------------------|-------------------|
| 1 March 1991      | ---               |
| 29 March 1991     | \$7.103           |
| 26 April 1991     | \$31.712          |
| 24 May 1991       | \$52.137          |
| 21 June 1991      | \$75.586          |
| 19 July 1991      | \$106.145         |
| 16 August 1991    | \$150.383         |
| 13 September 1991 | \$187.522         |
| 11 October 1991   | \$193.338         |
| 08 November 1991  | \$193.338         |
| 06 December 1991  | \$193.338         |

#### 4.4 CLIN 4 — Hardware and Software (\$134.584 k)

Clin 4 is an equipment line item, and Figure 4 shows its financial histories. We expect the final invoices to be processed in the near future which will close out this CLIN. The 15% pending dollar amount is the withholding which will be invoiced at the close of the contract.

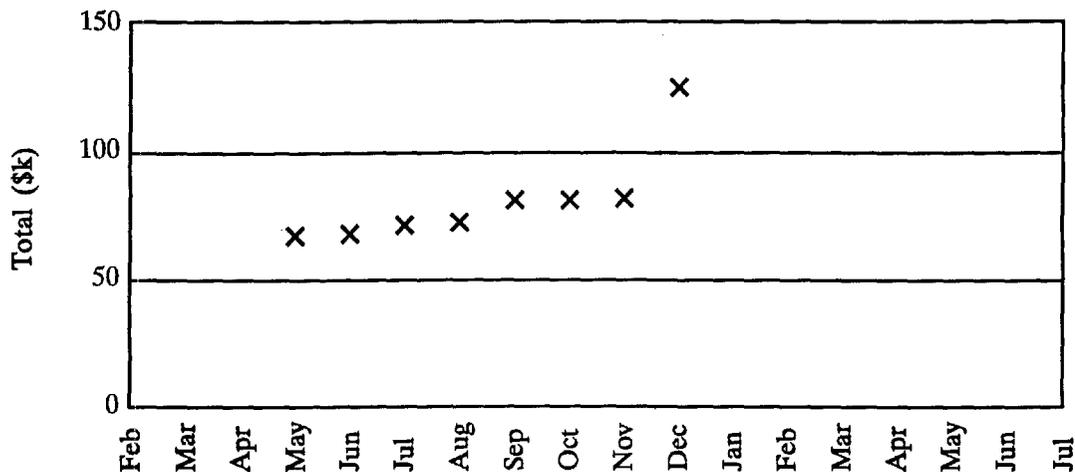


Figure 4. Financial Performance for Equipment, Hardware, and Software

Table 4.

Total Project Financial History

| Date              | Expenditure (\$k) |
|-------------------|-------------------|
| 1 March 1991      | ---               |
| 29 March 1991     | ---               |
| 26 April 1991     | ---               |
| 24 May 1991       | \$66.949          |
| 21 June 1991      | \$67.499          |
| 19 July 1991      | \$70.938          |
| 16 August 1991    | \$72.028          |
| 13 September 1991 | \$80.617          |
| 11 October 1991   | \$80,646          |
| 08 November 1991  | \$81.356          |
| 06 December 1991  | \$124,648         |

### 4.5 CLIN 5 — Support Activity, Option 1 (\$49.415)

Although expenditures ended by 30 September, all invoices had not cleared by then. We expect the final invoices to be processed in the near future which will close out this CLIN. The 15% pending dollar amount is the withholding which will be invoiced at the close of the contract.

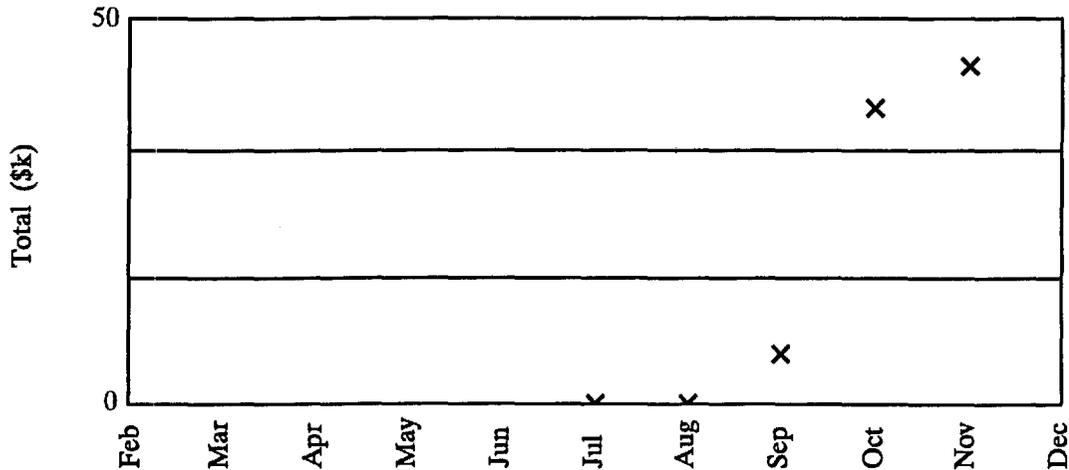


Figure 5. Financial Performance for Equipment, Hardware, and Software

Table 4.

Total Project Financial History

| Date              | Expenditure (\$k) |
|-------------------|-------------------|
| 19 July 1991      | ---               |
| 16 August 1991    | ---               |
| 13 September 1991 | \$6.546           |
| 11 October 1991   | \$38,452          |
| 08 November 1991  | \$43,886          |
| 06 December 1991  | \$43,886          |