

Project Summary:

The CNAPS Development Environment consists of several software tools required by the software developer. These are:

- CNAPS application program interface
- CNAPS-C compiler
- CNAPS assembler
- CNAPS source-level debugger (command-line interface)
- CNAPS source-level debugger (graphical interface)

Initial porting of the first three tools was completed in Phase 1. Phase 2 tasks include the porting of the remaining two tools as well as enhancing the first three tools to integrate them with the source-level debugger.

Effort on the Phase 2 tasks has commenced and good progress has been made during this reporting period. The CNAPS compiler, assembler, and application program interface have been enhanced to integrate with the source-level debugger. The source-level debugger with a command-line interface has been ported to the Windows 3.x environment and is undergoing testing and bug fixing.

At the time of this report, the project has been authorized to spend \$292,215.00 for the Phase 2 tasks. The contract stipulates \$492,893.00 are required for the completion of the Phase 2 tasks, therefore, an additional \$200,678.00 of funding must be authorized to complete the Phase 2 tasks.

Description of Progress:

The previous Project R&D Status Report stated the following as the objectives for this reporting period:

During the next three months work will begin on Phase 2 of the contract and the following are expected to be achieved:

- 1. Porting of the CodeNet Software Development environment to Windows/NT will begin.*
- 2. Porting of the Control software to Windows/NT will begin. This will allow applications to execute CNAPS code on the CNAPS/PC board within the Windows/NT environment.*
- 3. Complete Beta testing of the CNAPS/PC board and the CNAPI-PC Control software and move them into production.*

The following sections discuss the specific progress made in this reporting period in the hardware and software areas towards the stated objectives.

Hardware**Testing:**

Beta testing of the CNAPS/PC board has continued. It has been found that there is a high likelihood of incompatibility between the CNAPS/PC board and an end-user's PC system hardware. This incompatibility is caused by different PC motherboard vendor's method of implementing the ISA bus and Adaptive Solutions' ISA bus interface

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The debugger will be ready for preliminary testing and bug fixing.

3. The new version of the CNAPS/PC board which solves the current incompatibilities with many PC motherboards and its Control Software will be completed. This new board and the Control Software will be in Beta test.

Fiscal Status:

Amount currently provided on contract: \$1,299,714.00

Expenditures and commitments to date: 366,495.00

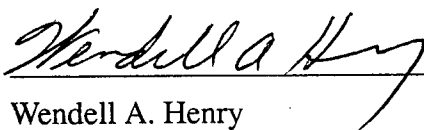
Funds required to complete work: \$933,219.00

Authorized Phase funding: \$600,000.00

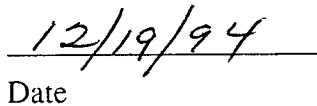
Expenditures and commitments to date: 366,495.00

Authorized Phase 1&2 funds remaining: \$233,505.00

At the time of this report, the project has expenditures and commitments totaling 61% of the funds allocated for Phases 1 and 2 of the contract.



Wendell A. Henry



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