

ENGINEERING WORK DIRECTIVE

CATEGORY Engineering

ENGINEERING CONTRACTOR:  
Honeywell Engines & Systems

W.D. NUMBER: EWD-CL14-007

DATE 8/18/2004

END ITEM(S) AFFECTED: AGT1500 Engine CONTRACT NO. DAAE07-98-C-A002

SUBJECT: AGT 1500 DECU 100 Completion & Integrated Data Collection Process PRIORITY: Level of Effort  
Hours: 24,228 Dollars: \$5,227,092.00

SOW

CDRL NO.:

DID:

NOTE: THE WORK ELEMENTS IDENTIFIED IN THIS WORK DIRECTIVE SUPPORT THE COMMON CUSTOMER. NO WORK EFFORT WHICH SUPPORTS THE PM ABRAMS OR DLA CUSTOMER EXCLUSIVELY WILL BE PERFORMED UNDER THIS WORK DIRECTIVE.

1. OBJECTIVE

To complete the AGT1500 DECU 100 development activity and qualification for production and to develop an integrated data collection process.

2. WORK TO BE PERFORMED

2.1 Initial IPT Meeting – A Recommendation for an integrated data collection process shall be submitted to the Government at the initial IPT meeting to be held NLT 15 Dec 04. Government approval of the recommended plan of action is required prior to executing the following paragraph 2.2 through 2.5:

2.2. M1A1 Software

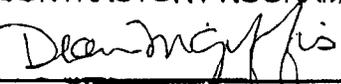
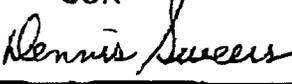
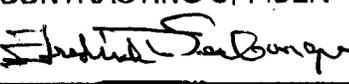
Complete the following software activities

- CAN Bus Interface Capability For Embedded Diagnostics (ED)
- CAN Bus Download For DECU Software
- Direct Support Electrical System Test Set (DSESTS)
- Digital Memory Module (DMM) Software
- Removal Of All LV100 Software
- Formal Qualification

2.3. M1A2 Software

Complete the following software activities

- M1A2 SEP Tank Software
- Software Loader Verifier (SLV) For Downloading Of M1A2 SEP

CONTRACTOR PROGRAM MANAGER 	COR 	CONTRACTING OFFICER 
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#### 2.4. DECU 100 Hardware

Complete the following software activities

- Circuit Modification For Nuclear Hardness
- PLD Update
- Commercial CAN Display

#### 2.5 Data Memory Unit (DMU) for Durability Improvements

The contractor shall develop a Data Memory Unit (DMU) and associated hardware that will monitor engine and some vehicle information, process the data and store pertinent results. The stored data will be used for the purpose of monitoring trending engine system durability improvements.

#### 2.5. Report/Briefing

The DECU 100 environmental qualification test reports will be resubmitted to the customer for review and approval. Requirement reviews for the software additions will be conducted with the customer. Prior to the formal qualification of the software, a Test Readiness Review (TRR) will be held with the customer.