

SMALL EMPLACEMENT EXCAVATOR (SEE)

Performance Plan and Agreement
October 1, 2002

The Small Emplacement Excavator (SEE) is a lightweight, all-wheeled drive tractor. It is a high mobility diesel-engine vehicle with a backhoe and a bucket loader. Its attachments include a handheld hydraulic rock drill, chain saw, and pavement breaker. The SEE tractor is designed to rapidly dig combat emplacements for units in the main battle area and is capable of rapid movement between battle positions.

When equipped with its various attachments, the SEE tractor can provide combat deployed units a host of earthmoving and construction support capabilities. The SEE tractor weighs just over 16,000 pounds, is air transportable, can be air dropped, can travel over 40 miles per hour on improved roads, and is capable of being operated off-road.

The SEE tractor is approaching its life expectancy. New and developing equipment are possible replacements for it. Fiscal Year 2002 (FY02) recapitalization (RECAP) program estimates show a repair cost of 50 percent of the replacement vehicle cost and mandatory replacement of 48 percent of the total parts count. Red River Army Depot (RRAD) has expertise repairing the SEE tractor from Fiscal Year 1999, 2000, and 2001 programs.

Vice Chief of Staff of the Army (VCSA) Approved Alternative

- a. 570 Full Recapitalization
- b. 410 High Mobility Engineer Excavators (HMEEs) by 2010 with current Research, Development, and Acquisition (RDA) funding.

Justification

- a. The SEE Recapitalization Program meets reasonable requirements for the Light Units while accompanying the influx of HMEEs to the Fleet for the Counter Attack Corps (CAC) and Heavy Units.
- b. 1072 HMEEs by 2016 with the current RDA funding.
- c. Increased Operational Readiness.
- d. Reduces Maintenance Burden.
- e. Modernization of Reserve Component.

Additional Issues

- a. Readiness Impact. Due to low density and no float vehicles, unit readiness will be affected during RECAP.
- b. The U.S. Army Tank-automotive and Armaments Command (TACOM) will try to obtain a readiness-reporting waiver while vehicles are being repaired.
- c. Funding for Second Destination Transportation (SDT).
- d. Assets. No good vehicles available.

INITIATIVE: SEE Recapitalization Program

Program Description

On September 28, 2001, the VCSA approved the recapitalization plan for the SEE program. The RECAP program will be accomplished through the rebuild of the SEE and procurement of the HMEE. The program will:

Recapitalize 570 SEEs and incorporate the following recapitalization initiatives:

- a. Overhaul of all major components (engine, transmission and axles) to the new National Maintenance Repair Standard (NMRS), replace the main wiring harnesses, replace all wear items and all rubber items due to age.

- b. 169 recapitalized SEEs will be fielded to the CAC.

- c. 401 recapitalized SEEs will be used to fill the entire Type II (Light) vehicle requirements for both the Active Army and the Reserve Component.

(1) Procure a total of 1072 HMEEs by 2016 with current RDA funding. These HMEES will be used to fill the Interim and regular Brigade Combat Teams, CAC, and majority of the Type I (Heavy) vehicle requirement.

(2) Analyze and develop National Maintenance Work Requirements (NMWRs) National Maintenance Policy to produce overhauled components that comply with the new National Maintenance Program (NMP) standards Army Materiel Maintenance Policy and Retail Maintenance Operations (Army Regulation 750-1) The new NMWRs for

overhaul of major components have been incorporated into the recapitalization scope of work.

(3) Contain performance-based measurements that will be used to track its success, and which will form the basis for high-level tracking.

Methods of Performance Measurement

The Business Process Improvement Directorate (BPI), using specific metrics identified in this Performance Plan and Agreement (PPA), will evaluate success of the Recapitalization Program. The SEE Recapitalization Program will use existing data sources such as Field Exercise Data Collection (FEDC)/Sample Data Collection (SDC) and on-site U.S. Army Materiel Systems Analysis Activity (AMSAA) data collectors to track components and systems to determine if they are performing to expectations. Automatic Identification Technology (AIT) will be incorporated as it becomes available.

The following components will be tracked for specified performance. Mean Miles Between Replacement (MMBR) is subject to adjustment following trend analysis:

Component	NSN	Mean Miles Between Replacement (MMBR)
Transmission	2520-01-218-2206	8503
Engine	2520-01-218-2170	10960
Pump, Fuel, Metering	2910-01-236-7267	18267
Axle Assembly, Front	2530-01-241-1667	14091
Axle Assembly, Rear	2530-01-241-1476	30825

Note: The AMSAA is conducting further analysis of their data and reserves the right to update MMBR.

Rebuild uses a scope of work arrangement between TACOM's Commodity Business Operations (CBO) Deployment/Support Equipment Commodity Business Unit (CBU), and Red River Army Depot.

Performance

The AMSAA will load the metrics into the Army Recapitalization Tracking Information System (ARTIS) to measure the effectiveness of the SEE Recapitalization Program. The responsible agency will exercise the

process used to collect supporting empirical data at appropriate times to ensure all data elements required for the calculations are available.

All signatories agree to the following:

a. This is a living document and is current as of November 18, 2002. Any significant changes to the PPA will be coordinated with all parties concerned.

b. The BPI, in coordination with all Parties, will track results and provide tailored reports.

c. The recapitalization performance metrics are established in this agreement.

d. The BPI will report tracking results to Army Senior Staff.

e. The Project Manager (PM), in coordination with all parties, will assist with metric development to be used in tracking execution.

f. The PM, in coordination with signatories, will supply data to BPI.

g. The warfighters will ensure continued emphasis on accurate data reporting.

h. The warfighters will facilitate/authorize Headquarters, Department of the Army (HQDA) liaison visits when necessary.

i. The PM will provide updates to induction/distribution schedules, performance standards and baselines to BPI whenever necessary.

j. The AMSAA, in coordination with signatories, will supply data to BPI.

k. Components/sub-component serial numbers will be linked prior to fielding.

l. The Deployment/Support Equipment CBU/Army Materiel Command (AMC) will provide to BPI updates to induction/distribution schedules, performance standards and baselines whenever necessary.

m. The HQDA will furnish funding details as requested.

n. The Deputy Assistant Secretary of the Army for Cost and Economics (DASA (CE)) will provide updates to induction/distribution

schedules, performance standards and baselines to BPI whenever necessary.

AGREEMENT DATE: October 1, 2002

APPROVED BY:

AMC Linda A. Nordstrom/s-May 22, 2002

FORSCOM Davis Skinner/s-August 5, 2002
(Representing Warfighters)

TACOM Sharon L. Bednarik/s-June 7, 2002
Deployment/CBU

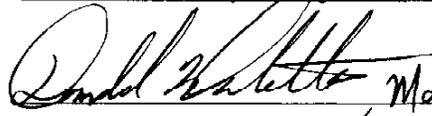
PM CH/MHE LTC Christopher Dozier/s-October 1, 2002

PM CMS COL Michael K. Asada/s-October 3, 2002

PEO CS/CSS BG Roger A. Nadeau/s-January 30, 2003

DASA (CE) Robert J. Conley/s-August 15, 2002

for
ASA(ALT)

 , March 11, 2003