

Common Hardware Systems (CHS)

Improves interoperability and connectivity on the battlefield through common hardware and standardized command and control automation.



DESCRIPTION AND SPECIFICATIONS

The Common Hardware Systems (CHS) program provides common hardware systems for the Army Battle Command System programs, including Tactical Operations Centers and air and missile defense programs through centralized purchases of computing hardware, standardized protocols, and reusable, common, commercial software. The program provides equipment to more than 80 Army and Department of Defense customers, as well as contractor-provided worldwide repair, maintenance, and logistics support through strategically located regional support centers for tactical military units.

This program provides commercial, ruggedized, and near military specification hardware versions of computers, peripherals, and networking devices. It also provides commercial, industry-based logistics support that meets the unique requirements of the tactical military units. CHS software incorporates:

- General purpose operation environments
- Database management system
- Integrated business packages
- Graphics software
- Malicious software detection and prevention
- Purging software
- Data collaboration
- Password generation
- E-mail
- Commercial communications software
- Network management

CHS hardware includes:

- Super High Capacity Computer Unit (SHCU)
- High Capacity Computer Unit (HCU)
- Transportable Computer Unit (TCU)
- Standalone Computer Unit (SCU)
- Handheld Terminal Unit (HTU)
- UNIX Laptop
- Notebook Computer Unit (NCU)
- Four-Slice Multiple Processor Unit (4S MPU-2)

- AIS 3U CISC server
- Other high-end servers

CHS hardware Version 1 includes commercial workstations, peripherals and networking products. Version 2 includes ruggedized workstations, peripherals and networking products. Version 3 includes near-military specification rugged handheld unit.

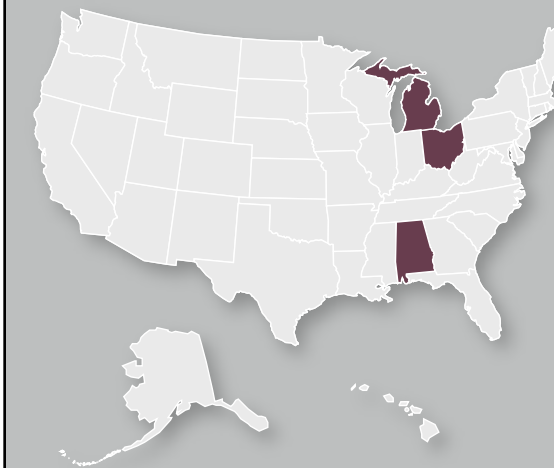
PROGRAM STATUS

- **3QFY04** Southwest Asia CHS repair and maintenance facility operational at Camp Victory, Iraq

PROJECTED ACTIVITIES

- **FY03-FY13** CHS-3 hardware and software deliveries continue
- **3QFY05** CHS-2 contract expires; CHS-3 follow-on contract begins

	SHCU	HCU	TCU	SCU	HTU	UNIX Laptop
Processor:	UltraSparc IIIi	UltraSparc IIIi	UltraSparc IIIi	Pentium III	Celeron	UltraSPARC IIi
MHz clock:	1.28 GHz	1.28 GHz	1.06 GHz	1 GHz	650 MHz	650 MHz
RAM:	32 GB	16 GB	8 GB	2 GB	512 MB	2 GB
	NCU	4S MPU-2	AIS Server			
Processor:	Pentium M	Dual Xeon Server, Pentium & Sparc	Dual Xeon			
MHz clock:	1.6 GHz	650 MHz to 2GHz	3.06 GHz			
RAM:	512 MB	1 to 8 GB	12 GB			



CONTRACTORS

General Dynamics Land Systems (Sterling Heights, MI; Lima, OH; Anniston, AL; London, Ontario)

INVESTMENT COMPONENT

Modernization

ACQUISITION PHASE

- Concept and Technology Development
- System Development and Demonstration
- Production and Deployment
- Operations and Support