



ARAS Software Engineering Laboratory

The Advanced Remote Armament System (ARAS) Software Engineering Laboratory provides the ARAS software development, integration, and testing environment for the Weapon & Software Engineering. This laboratory consists of hardware, software and test equipment required to develop, debug, and test the ARAS Computer System Software for 7.62mm and .50 cal Ammunitions.



7.62 mm ARAS



Not Available yet

.50 cal ARAS

Software Development Environment:

- Green Hills Software Integrity OS
 - Atmel RM9200 on Cogent CSB 637 expansion board
 - MCP2515 standalone microcontroller
- Embedded Linux OS
 - TI OMAP3530 on Gumstix Overo expansion board
 - MCP2515 standalone microcontroller
 - TI TVP5146 Video decoder

Integration Testing Environment:

- Simulating inputs:
 - CAN bus monitor and message injector
 - Sight package video signals with Sensoray S2255
 - OCU Ethernet messages
- OCU with control grip and simulator for OCU

Laboratory Capabilities:

- Developed, modify and integrate software
- Debug and test software
- Upload executable on target platform

Point of Contact

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