

DGSNET

Dahlgren Division, Naval Surface Warfare Center, 17320 Dahlgren Road, Dahlgren, VA 22448-5100

70 -- SOFTWARE AND SUPPORT SOL N00178-97-Q-0184 DUE 082197 POC Barbara Walters 540-653-4904 E. J. Carter 540-653-4504 E-MAIL: Naval Surface Warfare Center, Dahlgren Division, [bwynne@nswc.navy.mil](mailto:bwynne@nswc.navy.mil). The Government intends to purchase on a sole source basis the following software and software support items manufactured and provided by Green Hills Software Inc. The Government requires software and support to be completely consistent and compatible with the existing Government environment. The items are (1) p/n TORNSRV-PPC, Green Hills WRS TORNADO SERVER LICENSE ON SUN SOLARIS 2.5.1 or higher (6 each); (2) p/n TORNSRV-PPC, Green Hills WRS TORNADO SERVER on SUN one (1) year annual software maintenance (6 each); (3) p/n P/NGF-PPC, Green Hills optimizing fortran compiler and multi for PPC family, floating license on SUN SOLARIS 2.5.1 or higher (2 each); (4) p/n GF-PPC, Green Hills optimizing fortran compiler and multi for PPC family, floating license on SUN SOLARIS 2.5.1 or higher one (1) year annual software maintenance (2 each). The software and annual software support/maintenance shall be in accordance with Green Hills Binary Software License and Maintenance Agreement G20080. Green Hills Software Inc. is the proprietary and only known source to provide this software and support. This Green Hills Wind River Systems (WRS) Tornado, Fortran compiler, and multi software upgrade is an upgrade to our current in-house Wind River Systems operating system environment. Since the Government's software development environment, SLBM's Distributed Graphics Network (DGSNET) is running Sun Microsystems Solaris 2.x operating system platforms, the Government's tactical FCS environment is unable to support current and future simulation models, fleet media, and targeting data from SLBM's DGSNET. This tactical operating system software upgrade is essential so that the Government's tactical FCS environment will be able to support Solaris 2.x software simulation models, fleet media, and targeting data from the DGSNET software development environment. Therefore, the Government's tactical FCS is unable to support current and future mission requirements. Green Hills Software Inc. is the only commercial vendor identified that supports Solaris 2.x operating system target software in the VxWorks tactical operating system on the Motorola PowerPC 603 chip. Complete system capability and compatibility is absolutely necessary. Award is to be made utilizing Simplified Acquisition Procedures

for tactical → actual environment

whereas DGSNET → software development environment

Is Tornado / Wind River → new gate for SRS → but also bad idea  
→ this is to operate Tornado on Sun systems

Dahlgren Division, Naval Surface Warfare Center, 17320 Dahlgren Road, Dahlgren, VA 22448-5100

70 -- SOFTWARE AND SUPPORT SOL N00178-99-Q-0020 DUE 083099 POC Code SD18 540-653-4904 WEB: Dahlgren Division, Naval Surface Warfare Center, <http://www.nswc.navy.mil/supply>. E-MAIL: Dahlgren Division, Naval Surface Warfare Center, [sd18@nswc.navy.mil](mailto:sd18@nswc.navy.mil). The Government intends to purchase on a sole source all or none basis the following software items manufactured by the Mathworks Inc.: (1) Simulink concurrent all-platforms include Windows Unix and Linux to include one year software support (3 each); (2) Real-Time Workshop concurrent, all-platforms include Windows, Unix and Linux and includes one year software support (1 each); (3) Stateflow concurrent all-platforms, include Windows, Unix and Linux and includes one year software support ( 2 each); (4) Stateflow Coder concurrent, all-platforms include Windows, Unix and Linux and includes one year software support. All items shall be Y2K compliant and written documentation addressing this issue must be provided with the vendor's quote. Software support shall consist of all updates, upgrades, media, documentation and unlimited telephone support. The submarine Launch Ballistic Missiles (SLBM) is upgrading its in-house software product MathWorks MathLab on Distributed Graphics Network (DGSNET). This upgradewill provide Design Automation features to the MathLab software product. These software products are required by NSWCDD K41 Fire Control Formulation Branch for developing fire control computational specifications for United States (US) and United Kingdom (UK) SLBM systems. This software is essential in supporting SLBM mission critical programs such as TRIDENT II, TRIDENT II BACKFIT, TRIDENT I, and UK TRIDENT II for current and future mission requirements. The MathWorks Inc. is the manufacturer and only source to provide this software and support. This software must be completely compatible with the Government's existing equipment. This requirement is to be processed using the Simplified Acquisition Procedures

DGSNET - is used for

Launch - FC include  
+ targets