

**UNCLASSIFIED**

CLASSIFICATION:

EXHIBIT R-2, RDT&E Budget Item Justification											
DATE: <b>June 2001</b>											
R-1 ITEM NOMENCLATURE 0204229N Tomahawk and Theatre Mission Planning Center											
APPROPRIATION/BUDGET ACTIVITY <b>RESEARCH DEVELOPMENT TEST &amp; EVALUATION, NAVY /</b>	BA-7	Prior								Total Program	
		Years Cost	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006		FY 2007
COST (\$ in Millions)											
Total PE Cost			137.445	90.461	76.036						
A0545 Tomahawk			135.640	88.610	76.014						
A1784 Theatre Mission Planning Center		92.830	1.805	1.851	0.022						
Quantity of RDT&E Articles											
			EDM	10							

(U) A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION:

- (U) The Tomahawk Weapons System (TWS) provides the Tomahawk cruise missile attack capability against targets on land (Tomahawk Land Attack Missile (TLAM)). The TLAM can be fitted with either Conventional unitary warhead (TLAM/C), Nuclear warhead (TLAM/N) or submunition Dispenser (TLAM/D). This program ensures that the TWS exploits state-of-the-art technology to preserve the efficiency of this proven weapon system.
- (U) The Tomahawk project includes all missile development, mission planning system development, and submarine and surface ship weapons control development.
- (U) The Tactical Tomahawk (TT) missile development covered by this budget provides a comprehensive baseline upgrade to the TWS. The TT weapons program will provide the tactical commander a quick reaction response capability as well as improved flexibility, accuracy, and lethality.
- (U) This budget provides for the Tomahawk Command and Control System (TC2S) Theatre Mission Planning Center (TMPC) and Afloat Planning System (APS), a shipboard version of TMPC. TMPC and APS provide mission planning and employment support information for both the nuclear (TMPC only) and conventional TLAM. This project also supports the distribution of mission data and command information essential to TLAM employment via the Mission Distribution System (MDS) and associated communications infrastructure. TMPC and APS software development decreases mission planning time and increases the quality and accuracy of each mission for Block II and III TLAM. The development of Tactical Tomahawk capabilities in TMPC/APS/MDS includes software development, integration, test, and delivery; support for TECHEVAL and OPEVAL; development of training; installation planning; and simulation/model development required by COMOPTVFOR to offset live missile flights in TECHEVAL and OPEVAL. This project includes development required by future national and tactical imagery architectures.

R-1 SHOPPING LIST - Item No. 183

*for APS Core plan for TLR-N.*  
*MR ACT + PAC plan*

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