

III.

PRESENTATIONS

1. **ACOUSTIC EMISSION (AE) TESTING PROOF OF PROCESS AND APPLICATION (2002 Action Item 02-04)**: Mr. Kenton Donn, PSNS (DonnK@PSNS.navy.mil). A presentation on PSNS efforts to use Acoustic Emission (AE) and the supporting proof of process for AE Testing. Provided lessons learned, initial cost outputs, and eventual cost effectiveness of AE. The group determined action is complete.
2. **ULTRASONIC INSPECTION OF PIPE WELDS IN LIEU OF RT (2002 Action Item 02-01)**: Mr. Jeff Warren, NSWCCD, Carderock Division (WarrenJM@NSWCCD.navy.mil). The objective of presentation is to discuss the initiative to replace traditional RT with UT. Referenced the Navy study "Ultrasonic as an Alternative to Radiography for Submarine Hull Weld Inspection" (DTRC-SME-90/30), demonstrated that UT would provide an acceptable alternative to RT for hull welds. The technical plan outlined the elements needed to implement a successful transition from RT to UT. The group determined action is complete.
3. **ET TOE WELD INSPECTION**: Mr. Joe Brown, PHNSY & IMF (BrownWJ@PHNSY.navy.mil). Presented information gained through R&D to all holders of TP-271 regarding ET weld inspection and an overview of Pearl Harbor Naval Shipyard's results as to what degree varying thickness of non-conductive coating affects the sensitivity of the eddy current examination. The group determined that this would be an item for breakout session.
4. **NDT PROGRAM STATUS**: Mr. Ron Flaherty, NAVSEA 04XQ1R (FlahertyRT@NAVSEA.navy.mil). The purpose of presentation was to provide an overview of where NDT currently is and where it might be going. Pointed out that action items will be discussed during presentations and/or breakout sessions. The success of the program is dependent on communication during events such as the NDT Working Group Conference.
5. **STATE OF UNDERWATER NDT PROGRAM**: Mr. Joe Curtis, PSNS (CurtisJM@PSNS.navy.mil). A presentation of the Underwater NDT Program was provided. Discussion focused on the positive impact this program has for the Naval and NDT Community. This action item to be discussed during the breakout session; specifically program turnover and training requirements.

6. **INTERACTIVE COMPUTER NDT TRAINING:** Mr. Mark Sheehan, Electric Boat Corporation (MSheehan@EMAIL.gdeb.com). Mr. Sheehan provided a demonstration of Electric Boat's Computer Base Training (CBT) that they are currently using to enhance their training efforts. The CBT program is interactive and allows employees to train without a facilitator. The group determined to send this item to a breakout session to get a hands-on demonstration of the CBT program. Presentation for informational purposes; no action.
7. **REVISION OF TECH PUB 271 TO INCLUDE INSPECTION OF COMPOSITES:** Mr. Bruce Bandos, NSWC, Carderock Division, (BandosBG@NSWCCD.navy.mil). Presentation of multiple changes to TP-271. This item generated high interest and discussion. No further action.
8. **DIGITAL RADIOGRAPHY OPEN DISCUSSION (2002 Action Item 02-03):** Mr. Jeff Warren, NSWC, Carderock Division (WarrenJM@NSWCCD.navy.mil). Presentation sighted the advantages of digital radiography (e.g., immediate results, less radiation exposure, permanent storage of images, etc.). Immediate implementation not practical at this time due to the expense of equipment, computer requirements, storage media and the need to validate the process prior to NAVSEA approval. Presentation for informational purposes; no action.
9. **COMPILE SIMILARITIES & DIFFERENCES BETWEEN THE VARIOUS EXISTING CERTIFICATION DOCUMENTS (2002 Action Item 02-02):** This was a 2002 action item. Presenter was unable to attend conference. Action item is closed. If there is continued interest, action lead should submit presentation to the 2004 working group. 2002 action item lead, HTC, K. Bruer (CVN-75).
10. **MAGNETIC FIELD ASSOCIATED W/INSPECTING A HOLE & THE RESULTS OF IMPROVEMENTS MADE TO THE KINGS BAY OVERSIGHT PROGRAM:** Mr. Gary Pond, Trident Refit Facility, Kings Bay (Gary_Pond@TRFKB.navy.mil). Gary Pond provided a presentation of MT inspecting a simulated bolt hole repair prior to welding. It was discussed that an adequate magnetic field can be produced in these applications using prods with current values based on metal path. Shared improvements made to the TRF NDT oversight program. Presentation for informational purposes; no action.
11. **STANDARD SUPSHIP MASTER SOLICITATION CLAUSE - NDT LEVEL III (TEST EXAMINER) QUALIFICATION REQUIREMENTS:** Mr. Charles Simmons, SUPSHIP Jacksonville (SimmonsCA@SUPSHIP.navy.mil). Mr. Simmons' presentation restated the need that contract language needs to be simple and compliant in accordance with the requirements of NAVSEA Technical Publication T9074-AS-GIB-010/271 and ASNT SNT-TC-1A. The group determined this item would go to breakout session.