

Minutes of Quarterly Meetings

Joint Technology Exchange Group



Naval Aviation Depot, Jacksonville, Florida, 30 Mar - 1 Apr 1999

Meeting Minutes

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1. The JTEG met on 30 Mar-1 Apr 99 at the Naval Aviation Depot (NADEP), Naval Air Station, Jacksonville, Florida. The NADEP Jacksonville Materials Laboratory, Code 4.3 hosted the meeting. This meeting was attended by representatives from all four military Services, the Coast Guard, the National Aeronautics and Space Administration (NASA), some support contractors, and two vendors. The highlight of this JTEG meeting was Paint Stripping Technologies. A [list of attendees](#) is at Attachment 1 and the [final meeting agenda](#) is at Attachment 2.

20. Mr. Ben Zlateff, Naval Sea Systems Command Environmental, Safety and Health Office/Naval Undersea Warfare Center - Keyport, provided a briefing on [Naval Sea Systems Command Selected Depainting Technologies](#) as the follows:
 - a. [TORBO System](#). The Navy Intermediate Maintenance Facility Pacific North West (NAVIMFPACNW and formerly the Trident Refit Facility) at Bangor, WA evaluated several abrasive blasting methods. NAVIMFPACNW selected the "TORBO" wet abrasive blast paint removal system. This system virtually eliminates dust, lowers blast media usage, operates easily, and requires no dockside containment. The TORBO system has been in successful operation for over seven years and is very good for small to medium size hull and other blasting requirements where wet abrasive blasting is required. Because local air emission requirements to prevent visible air emissions during the blasting process, NAVIMFPACNW converted totally to TORBO wet abrasive blasting on all external surfaces of the vessels and equipment. TORBO's simple design reduced acquisition and maintenance costs while significantly reducing heavy metal exposure and waste disposal. TORBO has been reliable, versatile in application and continues to enhance NAVIMFPACNW's ability to conduct open blasting operations while meeting all local, state, and federal air emission regulations.

- b. Blastox. For suspected lead based paint removal, NAVIMFPACNW uses the Blastox chemical additive in a blended abrasive blast media. Blastox's calcium silicate and calcium aluminate chemistries stabilize and encapsulates lead in the blasted material and greatly reduces or eliminates air emission exposure to our operator personnel. The process produces a non-hazardous spent blasting material which has greatly reduced disposal costs. During the initial evaluation of the system, local air emission regulators were full participants in the process. In addition, EPA considers Blastox the leading Best Demonstrated Available Technology (BDAT) for depainting ships with lead based paints.