

**Department of Defense
Human Factors Engineering Technical Advisory Group #64
SubTAG: Technical Society/Industry**

The Technical Society/Industry (TS/I) Sub TAG met twice during the TAG meeting on Tuesday and Thursday morning. Approximately 16 industry and government personnel attended each of the meetings. The meeting was co-chaired by Ms. Barbara Palmer (Booz Allen Hamilton, barbara_palmer@bah.com) and Steve Merriman (The Boeing Company, stephen.c.merriman@boeing.com). No changes were proposed to the SubTAG leadership or charter.

The first discussion was led by Dr. Mary Hornsby and Steve Merriman (Boeing). The annual TechAmerica Human Systems Integration (HSI) G45 committee meeting was held in conjunction with the Human Factors and Ergonomics Society meeting in September 2010. The major topics were:

- MIL-HDBK-46855A: This handbook is being converted back into a Military standard and will be made consistent with current DOD acquisition policy.
- HSI Data Item Descriptions (DID): A new DID entitled “Human Systems Integration Report” was authored by the G45 committee and submitted to the DOD for consideration. It is currently in review.
- HSI Program Plan DID: This DID was revised by the G45 committee and has been submitted to the DOD for consideration. It is currently in review.
- MIL-STD-1472G: This version will be out for review within the next few weeks.
- Human Engineering DIDs: The G45 committee has undertaken a review of the existing Human Engineering DIDs, which have not undergone any major technical revisions since their initial release in 1979. Consideration is being given to updating the HE Program Plan DID first, followed by the two Human Engineering Design Approach Document DIDs.

A new Society, the Society of Advanced Learning Technology (SALT) has joined the TS/I SubTAG. Mr. Terrance Andres will serve as the primary representative.

Mr. Alan Poston provided brief updates on accommodating provisions of the Americans with Disabilities Act (ADA) 508 in DOD human engineering requirements. He reported that both the Navy and Air Force are working on “translating” the UK’s DEF STAN-250 on Human Factors Integration into draft standards for their respective services.

John Rice made a short presentation explaining scope of the Society for Simulation in Healthcare and its relationship to HFE/HSI.

USAF Major Jeff Scott expressed interest in working with TechAmerica G45 committee in updating and revising the human engineering DIDs. It was suggested that the TS/I SubTAG develop about 10 charts for presentation to the Joint HSI Working Group on TechAmerica and TS/I efforts to update the DIDs. TASC (The Aerospace Corporation)

has developed assessment spreadsheets for each HE DID; it was suggested that they may want to develop assessment spreadsheets for the two new HSI DIDs.

It was suggested during the meeting that the TS/I SubTAG should approach CAPT Schmorrow (TAG Advocate) and propose a half-day workshop where service representatives explain what they are doing to develop HSI standards and/or guidelines for industry at the next DOD HFE TAGF meeting. For example, both the Navy and Air Force have current projects modifying the British DEF STRAN 250 on Human Factors Integration into guideline documents for their respective services. The Air Force effort to develop HSI contract language was a good contribution, but momentum must be maintained. Steve Merriman reminded attendees that Dr. Foster (previous TAG Advocate) requested help from the TAG in 2005 for help in providing HSI guidance to industry. This workshop and TAG presentation would be supportive of that request. The services appear to be doing a better job of getting HSI language embedded into acquisition JCIDS documents, but they are not emphasizing the translation of requirements into RFPs and contract documents (SOWs, Specifications, CWBS, etc). Requirements are inconsistent from contract to contract.

It was suggested that there may be interest in standing up a TAG Special Interest Group on “Improving HE/HSI Acquisition Practices.” Alternatively, maybe a presentation to the TAG on this topic might be a good idea. The goal would be to facilitate networking and information sharing on HSI acquisition requirements.

Mr. Poston indicated that the TS/I Membership page on the web needs updating.