



THE TECHNICAL COOPERATIVE PROGRAM LAND GROUP (LND), TECHNICAL PANEL 1 ON DISMOUNTED COMBATANT OPERATIONS (TTCP LND-TP1) | TSPID

GENERAL DESCRIPTION:

TP1 works collaboratively to improve the analytical tool set and knowledge base supporting dismounted combatant analyses. It leverages and complements the US Infantry Warrior Simulation (IWARS) Army Technology Objective (ATO) Program.

OBJECTIVES:

To improve our knowledge base and shared tools in four areas essential to rigorous, robust and reliable analysis. Specific programs and goals have been identified in each Action Area (AA). These Action Areas include:

- **AA-1:** equipment-based technology and concepts for the 2020 timeframe;
- **AA-2:** models, wargames, simulations and analysis;
- **AA-3:** data sharing, collection and analysis; and
- **AA-4:** innovative integrated protective concepts against novel weapons.



FACTS:

- The Terms of Reference (TOR) and associated Action Area (AA) work Plans were officially approved by LND in October 2006. Primary thrusts include obtaining agreement with other Technical Panels (TPs) and Action Groups (AGs) in focusing future warrior system technology development and further expansion of the shared Data Access and Retrieval Tool (DART), as well as Verification and Validation (V&V) of the Infantry Warrior Simulation (IWARS) and the Close Action Environment (CAEn) wargame.
- A Project Agreement on Blast Protection for Individual Warfighters (AA-4) has been approved by all nations and work is progressing. The agreement defines collaborative work to attenuate the challenge from thermobaric munitions and will significantly benefit the US Army ballistic protection program.
- The panel conducted a networked soldier modeling workshop with the Human Factors Group's (HUM) Action Group 24 which focused on Situational Awareness and STA/C2 from 23-25 JAN 06 in Monterey. This work progressed into specific objectives and plans for integrating the UK's Close Action Environment (CAEn) model and our Infantry Warrior Simulation (IWARS).
- The panel's most significant collaboration was with AG24 in developing an experimental protocol for Operation Kiwi, which is a HUM TP14 led performance and alertness study using caffeine and placebos during sustained field exercises. This study involved NZ Special Forces on anti-terrorism exercises. The focus was on decision-making and situational awareness when subjects are sleep deprived.
- The US released IWARS to the nations after successful completion of an extensive V&V effort, while the UK discussed improvements to CAEn and provided CAEn version 9.6.0.0 to the nations.
- The annual TTCP JSA-TP5 program review meeting was held at Fort Halstead, UK on 22-26 May 2006, where the past year's program and results were reviewed. Planned out-year programs were also reviewed and revised. Discussions focused on transition of the panel to TTCP's new Land Group as well as on future warrior system technology development and further expansion of the shared Data Access and Retrieval Tool (DART), as well as Verification and Validation (V&V) of the IWARS and the CAEn war games.

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