

AORS 2016 Working Group Presentation Schedule

Briefing Occurs More Than Once

UNCLASS/FOUO

| Date                | Start Time   | End Time | Current Operations Room 1  | Future Capabilities Room 2   | Force Development Room 3   | Sustainment Room 4   | Resource Analysis Room 5  | Advances in OR & Technology Room 117   | Manpower, Personnel, and Training Analysis Room 25  | Cyber Analysis Room 24   | Wargaming Room 23   | Modeling and Simulation Room 10B  |  |
|---------------------|--|----------|--|--|--|--|---|--|---|--|---|---|--|
| 2 Nov 2016<br>Day 2 | 1115   | 1145     |  | Army Materiel Lifecycle Management From A Data Perspective<br>LTC Napier<br>TRAC-ARCIC                   | Cross Service Fixed-Wing Cost Estimation<br>MAJ Jarrod Shingleton<br>TRAC-MTRY   | Considerations for Improving Readiness<br>Ms. Amy Dorzey<br>AMSAA          |   | Variable Shape Factor in Casualty Estimation<br>Mr. Matthew Rosenblatt<br>AMSAA  | Homestation Garrison Analysis<br>MAJ Peter Nesbitt<br>4th Infantry Div  | Intelligence Support to Defensive Cyber Operations<br>MAJ David Beskow<br>INSCOM                                       |   | Chicken or the Egg? How We're Attempting to Consider Implications of Emerging Technologies<br>Mr. Chris McGroarty<br>RDECOM/ARL |  |
|                     | 1145   | 1215     | Identifying the Risks JLOTS Operations have on the Timing of a Campaign<br>Ms. Sandra Hatch<br>CAA | Lowest Price Technically Acceptable (LPTA) Source Selection Study<br>Mr. Todd Henry<br>AMSAA             | Component Four Requirements Through Empirical Research (COMFORTER)<br>Dr. Jordan Adams<br>CAA                            | Logistics Optimization Strategy Tools<br>MAJ Nick Van-Straaten<br>TRAC-LEE | Cost of Base Realignment Actions (COBRA) Model Enhancement<br>Ms. Sarah Harrop<br>CAA | Management, Mechanics, and Math: An Enhanced Methodology for the Future T&E of Complex Information Systems<br>Mr. Stephen Conley<br>ATEC-AEC | US Army Africa (USARAF) Civilian Hiring Analysis<br>Ms. Kristen Clark<br>USARAF GS  | The Growing Role of Software-Intensive Systems in T&E: Implications and Lessons-Learned<br>Mr. David Bauer<br>ATEC-AEC |   | Modeling and Simulation Capability Portfolio Review and Gap Analysis<br>Ms. Rebecca Traylor<br>AMSO                             |  |
|                     | Lunch 1215-1315 (Brown-Bag Lunch Briefings in Rooms 13, 14, 15, and 10B) |          |  |  |  |  |   |  |   |  |   |   |  |
|                     | 1315   | 1345     | Shifting the Assessments Paradigm: Systemic Challenges at CJTF-HOA<br>LTC Rochelle<br>CAA          | Ground Mobility Vehicle (GMV) Analysis of Alternatives<br>LTC Mathew Koehler<br>TRAC-FLVN                | Early Deployers Informing Readiness and COMPO Decisions<br>Mr. Dallas Kuchel<br>CAA                                      | Off Platform Test Support Usage<br>Ms. Ashley Brown<br>AMSAA               | Installation Readiness Analysis (IRA)<br>MAJ Vince Boncich<br>CAA                     |  | Modeling of U.S. Army Recruiting Markets with Least Squares Regression<br>MAJ Joshua McDonald<br>AMSAA                    | BCT Level Network Simulation<br>Mr. John Wray<br>AMSAA   | Wargaming and Analysis: an Exculpation<br>Dr. Pinelis and LTC Teutsch<br>JHAPL & JS J8/SAGD |   | Intelligence and Sensors Modeling and Simulation Gap Analysis<br>Ms. Rebeca Taylor<br>AMSO     |
|                     | 1345   | 1415     | US Army Africa (USARAF) Campaign Assessment Methodology<br>Mr. Klaus Sanford<br>USARAF GS          | Army Wideband Satellite Communications (SATCOM) Bandwidth Study<br>Mr. Richard Sanders<br>TRAC-FLVN      | Integrating the "ilities" into the Engineered Resilient Systems (ERS) Framework<br>Ms. Christina Rinaudo<br>ERDC (USACE) | M1A2 SEP VI vs M1A2 SEP V2 Comparison<br>Ms. Elliot-Bird<br>AMSAA          | AWC-Cost Analysis in Kosovo<br>MAJ Robert Page<br>AWC                                 |  | Does BPG prophylaxis predict all-cause acute respiratory disease<br>Mr. Jacob D. Ball<br>APHC                             | Glare of War<br>Mr. Gellerman<br>CAA   | Analytic Wargaming: Best and Worst Practices<br>Dr. Applegat<br>NPS                         |   |  |
|                     | 1415   | 1445     | Assessments Working Group (AWG)<br>LTC Kevin Bolke<br>4th Infantry Div                             | Assessing Future Tactical Wheeled Vehicle Force Protection and Mobility<br>Ms. Cathy Miller<br>TRAC-FLVN | Stand Alone Facilities – Force Protection Study<br>Ms. Amy McGrath<br>TRAC-LEE   |  |   | TRADOC Analysis Center Innovative Visualization Techniques<br>LTC Michael Teter<br>TRAC-MTRY   | The New Normal in Army Disability Losses<br>MAJ Brian Miller<br>DAPE-PRS, DCS, G1   | Division Cyber Operations<br>MAJ James Montgomery<br>4th Infantry Div  | United States Army College Strategic Wargame Series<br>COL Kelly Ivanoff<br>AWC             |   | Evaluation of Target Repetitive Methods for Target Acquisition<br>Mr. Brian Hairfield<br>AMSAA |
|                     | 1445   | 1515     | ORSA Support to the Targeting Process<br>LTC Kevin Bolke<br>4th Infantry Div                       | EAB M113 FoV Replacement AoA Course of Action Development<br>MAJ Shaun Wild<br>TRAC-FLVN                 | Rapid Assessment of Force Mix Decisions – A User's Tool (TADMUDJ)<br>Mr. Craig Flewelling<br>CAA                         | Logistics Battle Command<br>Mr. Jonathon Shockley<br>TRAC-LEE              |   | Effective Visualization: From Modeling the Problem Set to Presentation<br>LTC Rochelle<br>CAA  | Predicting Risk For Incidences Of Homelessness Among Veterans Of Iraq And Afghanistan<br>CPT(P) Jasmine Motupalli<br>USMA | Army Wideband Satellite Communications (SATCOM) Bandwidth Study<br>Mr. Richard Sanders<br>TRAC-FLVN                    | DoD and Defense Partner Wargaming at the Naval Postgraduate School<br>Dr. Applegat<br>NPS   |   | Static Electronic Warfare Performance Analysis Tool<br>Mr. Thomas Colegrove<br>AMSAA           |
|                     | Break 1515-1530  |          |  |  |  |  |   |  |   |  |   |   |  |
|                     | Special Sessions 1530-1630   |          |  |  |  |  |   |  |   |  |   |   |  |

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| 3 Nov 2016<br>Day 3 | 1015   | 1045     | Counter Indirect Fire Kill Chain Analysis<br>Mr. Benjamin Kacirek<br>TRAC-FLVN  | Army Expeditionary Warrior Experiment 2016<br>Dr. Cynthia Forgie<br>MCOE   | Dominating Mobility through Terrain Shaping and Engagement Increment I (Gator Mine Replacement) Analysis of Alternatives (AoA) Gap Assessment<br>Ms. Jill Dickerson<br>TRAC-WSMR | PNG: Improved Inventory Management for Rems with Non-forecastable Demands<br>Mr. Robert Carroll/ Ms. Bachman<br>L&MR/DASD     |  | OSINT 3.0 Recommendation<br>MAJ David Beskow<br>INSCOM   | Mission Training Complex Analysis (MTCA)<br>Mr. Mike Pannell<br>CAA  |   |   | Denied Degraded Disrupted Space Operating Environment (D3SOE) Simulation<br>Mr. Thomas Powell<br>USASMD/ARSTRAT |  |
|                     | 1045   | 1115     | Finding Globally Optimal Macrostructure in Multiple Relation, Mixed-Mode Social Networks<br>LTC Matthew Dabkowski<br>USMA | An Introduction to Data Science and Analytics with Application to AMSAA<br>Mr. Timothy Potter<br>AMSAA                       | Dominating Mobility through Terrain Shaping and Engagement Increment I (Gator Mine Replacement) AoA Materiel Alternative Development<br>Ms. Jill Dickerson<br>TRAC-WSMR          |   | Division Campaign Analysis<br>MAJ Peter Nesbitt/LTC Kevin Bolke<br>4th Infantry Div                                      | Breakthroughs in Designing Simulation Experiments<br>Dr. Thomas Lucas<br>NPS   |  | Cyberspace Operations Collateral Damage: Overcoming Associated Challenges & Misconceptions<br>Mr. Giorgio Bertoli<br>RDECOM |   | Guided Weapon Delivery Accuracy Program (GWDAP)<br>Mr. Zachary Zoller<br>AMSAA                                  |  |
|                     | 1115   | 1145     | Using Empirical Data to Support Planning<br>Mr. Richard Polin<br>IDA  |  | Dominating Mobility through Terrain Shaping and Engagement (DMTTS&E) AoA Operational Effectiveness Wargame Challenges and Lessons Learned<br>Ms. Christina Moore<br>TRAC-WSMR    | QWARRM-Combat Load Process Improvement Tool<br>Mr. Emmanuel Tchanque<br>CAA   | Mission Training Complex Analysis (MTCA)<br>Mr. Mike Pannell<br>CAA  | Survivability-Focused Autorotation Modeling for Future Non-Traditional Rotorcraft<br>Mr. Andrew Drysdale<br>ARL            | Analysis of Tactical Wheeled Vehicle Accidents in the US Army<br>MAJ Tammy Czaplak<br>TRAC-LEE                         | Artificial Immune Systems for Detecting Malicious Cyber Activity<br>Mr. Gellerman<br>CAA                                    |   | RADAR Figures of Merit Modeling<br>Mr. William Harclerode<br>AMSAA  |  |
|                     | Lunch 1145-1300 (Senior Leader – Junior Analyst Brown Bag Session) |          |   |  |  |   |  |  |  |   |   |   |  |
|                     | 1300   | 1330     | Resolute Support Force Wargame<br>MAJ Erdman<br>CAA   | How are the Army's Direct-Fire Kill Probabilities Generated: A Look at the Past and to the Future<br>Dr. Paul Dietz<br>AMSAA | Impact on Crew Protection/Vehicle Survivability due to Armor Multi-Hit Performance<br>Mr. Jeffrey Corley<br>AMSAA  | Shelter Thermal Energy Model<br>Mr. David Carrier<br>AMSAA  | A Probabilistic Approach to Understanding Change Mechanisms<br>COL John Jackson<br>CAA                                   | Analysis of Large and Complex Datasets Using Innovative Methods<br>MAJ Thomas McMurtrie<br>TRAC-WSMR                       | A Mixed Methods Approach to Curriculum Development for Professional Military Education<br>David Azari<br>TRAC-WSMR     | Develop Metric Groups to Assess Security Vulnerabilities in a DoD Wireless Network Environment<br>Mr. Philip Chan<br>ARL    | Wargaming and Combat Models: Complementary Analytic Tools<br>Dr. Appleget<br>NPS              |   | Enhanced Vulnerability/Lethality (V/L) Modeling with MUVES/BRL-CAD<br>Mr. Russell Dibelka<br>ARL                               |
|                     | 1330   | 1400     | Improving Force on Force (NRM) Terrains<br>Mr. Nicholas Lucash<br>AMSAA   |  | Decision Support to Procurement and Management of Joint Chemical-Biological Assets<br>Mr. Joshua Lenzini<br>HQDA G-8/FDA   |   | AMSAA's Corrosion Hub for Analysis, Modeling and Prediction (CHAMP)<br>Mr. Gardner "Will" Thompson<br>AMSAA              | Finding Globally Optimal Macrostructure in Multiple Relation, Mixed-Mode Social Networks<br>LTC Matthew Dabkowski<br>USMA  | Using Defense Medical Human Resources System-internet to measure Access to Care<br>Ms. Jenny Kaczynski<br>MEDCOM RHC-A | From Cyber security system effectiveness and efficiency to ROI<br>Ms. Nandi Leslie<br>Raytheon, ARL                         | Division Wargaming in Decisive Action<br>MAJ Peter Nesbitt<br>4th Infantry Div                |   | Constructive SIM in OneSAF of MP Vehicles<br>Mr. Michael McCluskey<br>MSBL   |
|                     | 1400   | 1430     |   | PoF Design Risk Methodology<br>Mr. Benjamin Werner<br>AMSAA  | Modeling Army Rotation at Home or Not (MARATHON) v. 4.0<br>Mr. Tom Spoon<br>CAA  | LPTA Source Selection Study<br>Mr. Todd Henry<br>AMSAA  | Survivability-Focused Autorotation Modeling for Future Non-Traditional Rotorcraft<br>Mr. Andrew Drysdale<br>ARL          | A Probabilistic Approach to Understanding Change Mechanisms<br>COL John Jackson<br>CAA                                     | Survey Methods for ORSAs<br>Amy McGrath<br>TRAC-LEE  | Data Science for Threat Finance<br>Mr. Ian Kloo<br>CAA  | Resolute Support Force Wargame<br>MAJ Erdman<br>CAA   |   | JLOTS Discrete Event Simulation<br>Dr. Army Bednar<br>USAFER&D   |
|                     | Break 1430-1445  |          |   |  |  |   |  |  |  |   |   |   |  |
|                     | 1445   | 1515     |   | Infantry Warrior Sim(IWARS) [OE] Study<br>Mr. Jeremy Collins<br>AMSAA  | 2030 Manned Unmanned – Teaming (MUM-T) Implications for the Army<br>Ms. Christina Moore<br>TRAC-WSMR   | AMSAA's Corrosion Hub for Analysis, Modeling and Prediction (CHAMP)<br>Mr. Gardner "Will" Thompson<br>AMSAA                   | Cross Service Fixed-Wing Cost Estimation<br>MAJ Jarrod Shingleton<br>TRAC-MTRY   | Optimization Process in Support of Whole Systems Trade Analysis Tool (WSTAT)<br>Mr. Peilin Song & Richard Delgado<br>AMSAA | Generating Force Analysis<br>Mr. Jason Beck<br>USAMAA  | Static Electronic Warfare Performance Analysis Tool<br>Mr. Thomas Colegrove<br>AMSAA  | Division Wargaming in Decisive Action<br>MAJ Peter Nesbitt<br>4th Infantry Div                |   | Blue Attack Low-level Entity Simulation (BATTLES) Mission Command Analysis Concept<br>MAJ Thomas McMurtrie<br>TRAC-WSMR        |
|                     | 1515   | 1545     |   | Assessment in Expeditionary Operation<br>LTC Kevin Bolke<br>4th Infantry Div   | Emerging U.S./UK Direct Fire Attack Distributions (DFADs)<br>Ms. Rachel Champion<br>AMSAA  | The Growing Role of Software-Intensive Systems in T&E: Implications and Lessons-Learned<br>Mr. David Bauer<br>ATEC-AEC        | QWARRM-Combat Load Process Improvement Tool<br>Mr. Emmanuel Tchanque<br>CAA  | Make America Great Again<br>Mr. Ian Kloo<br>CAA  | US Army Africa (USARAF) Civilian Hiring Analysis<br>Ms. Kristen Clark<br>USARAF GS                                     |   | Air and Missile Defense (AMD) Wargame Methodology<br>Mr. Paul Chang<br>CAA                    |   | Using FOCUS to assess Sensor Fields for DMTTSE AoA<br>Mr. William Harclerode<br>AMSAA  |
|                     | 1545   | 1615     |   | Complex Operational Environment Model (COEM) Overview and Application<br>Mr. Miguel Ibarra<br>TRAC-WSMR                      |  | Reliability Block Diagrams: Analytical Foundation for Reliability Impacts on Tomorrow's Wars<br>Ms. Karen O'Brien<br>ATEC-AEC | Decision Support to Procurement and Management of Joint Chemical-Biological Assets<br>Mr. Joshua Lenzini<br>HQDA G-8/FDA | Data Compression by Neural Network Regression<br>Mr. James Way<br>AMSAA  | Modeling of U.S. Army Recruiting Markets with Least Squares Regression<br>MAJ Joshua McDonald<br>AMSAA                 |   | Munitions Effectiveness Tool to Address Multi-variant Realities<br>Mr. Steven Heinlein<br>CAA |   | Combined Arms Analysis Tool for the 21st Century (COMBATXXI) Scenario Versioning System (CVS)<br>Mr. Adrian Solis<br>TRAC-WSMR |