

**INTERAGENCY AGREEMENT IA1-1396
BETWEEN
THE OFFICE OF THE SECRETARY OF DEFENSE / OFFICE OF THE DIRECTOR,
OPERATIONAL TEST AND EVALUATION
AND
THE NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
FOR
STATISTICAL ENGINEERING INFORMATION EXCHANGE**

AUTHORITY AND PARTIES

The National Aeronautics and Space Administration, with headquarters in Washington, D.C. (hereinafter referred to as "NASA"), in accordance with the National Aeronautics and Space Act (51 U.S.C. § 20113), enters into this Interagency Agreement (hereinafter referred to as "IAA") with The Office of the Secretary of Defense / Office of the Director, Operational Test and Evaluation located in Washington, D.C. (hereinafter referred to as "OSD/DOT&E"). NASA and OSD/DOT&E may be individually referred to as a "party" and collectively referred to as the "parties."

PURPOSE AND ACTIVITIES

Statistical Engineering is the collaborative study and application of the tactical links between statistical thinking and statistical and discipline-specific tools. The objective is to engineer better results that benefit organizations and society through improved understanding of uncertainty in knowledge. Literally, it seeks to engineer statistical sciences to generate better solutions to large, unstructured problems. The Department of Defense (DoD) and NASA acquire some of the world's most advanced and sophisticated systems. Statistical Engineering, when applied to the challenges confronted by DoD and NASA, supports the effective application of statistical thinking and methods across the research, development, and procurement lifecycle resulting in:

- Improved specification of requirements that achieve high-level system objectives;
- Faster understanding of system capabilities through accelerated learning;
- Efficient and effective test programs that minimize test resources;
- Improved quantification of risk, thereby supporting better decision making;
- Improved integration of test and evaluation across all phases of testing.

The primary purpose of this IAA is to share knowledge and experience across organizations. The parties will share leadership perspective, best practices, case studies, and lessons learned. Additionally, the parties will facilitate access to educational and training resources developed by the parties.

An objective of the parties to this IAA is to identify additional organizations within the DoD, and other Federal Government agencies, that would benefit by participating in the initiatives under this IAA, and to invite them to become parties to this IAA. Activities contemplated to be

undertaken under this IAA, as the parties determine and consistent with available resources, include the following, discussed more specifically below:

- Leadership meetings
- Tactical practitioner site visits
- Statistical engineering summit meetings
- Collaboration to develop and document best practices
- Technical reports

Leadership Meetings

Leadership meetings would be conducted (with an objective of quarterly meetings) over the internet and be open to all parties to this IAA. The meetings would provide a means to share perspectives on Statistical Engineering as well to capture case studies and best practices. The meetings may leverage the existing Defense Connect Online. The meetings would facilitate and disseminate broad organizational understanding of leadership perspectives and statistical engineering best practices.

Tactical Practitioner Site Visits

Consistent with the budgets and priorities of the parties, tactical site visits (with an objective of two per year) between or among the parties would be conducted to provide direct access to leading research and practitioners across the party organizations. The site visits would provide the opportunity to benchmark current state-of-the-art information, facilitate increased awareness of best practices, and introduce new tools across organizations.

Statistical Engineering Summit Meetings

Consistent with the budgets and priorities of the parties, Statistical Engineering Summit Meetings would be conducted (with the objective of biannual meetings) to provide fora for interaction among the parties, to include engineering and science subject-matter experts and statisticians, recognizing that collaboration among all these groups is essential for successful development, fielding, and operational use of complex systems. To the extent feasible, these meetings would incorporate training and tutorials, case studies, and current research to provide maximum benefit.

Best Practices Collaboration

The parties would collaborate in the development of guidebooks, best practices materials, and handbooks on the use of statistics and the implementation of Statistical Engineering.

Technical Reports

As needed and determined by the parties, technical reports would be prepared jointly by the parties to document the specific activities and benefits of this IAA. The reports would be presented to the IAA parties and disseminated, as the parties deem appropriate, consistent with the paragraph below on release of information.

FINANCIAL OBLIGATIONS

There will be no reimbursement of funds between the parties under this IAA and each party will fund its own participation. All activities under or pursuant to this IAA are undertaken subject to the availability of each agency's authorities and funds, and no provision of this IAA shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act (31 U.S.C. § 1341).

RELEASE OF INFORMATION

The parties may release general information regarding each party's own participation in this IAA as each party separately determines, consistent with restrictive markings on disclosure of particular information. Release of any other information beyond the parties, outside the Federal Government, or to the public, will only be made with the approval of the providing party and consistent with applicable law and any restrictive markings on the information.

TERM OF AGREEMENT

This IAA becomes effective with respect to NASA and OSD/DOT&E when both parties have signed below ("Effective Date") and shall remain in effect for five years thereafter. Should other parties join in this IAA, it is effective with respect to a joining party upon signature by the joining party.

RIGHT TO TERMINATE

A party may unilaterally terminate its participation in this IAA by providing thirty (30) calendar days written notice to the other party or parties.

POINTS OF CONTACT

The following personnel are designated as the points of contact among the parties in the performance of this Agreement.

Management Points of Contact

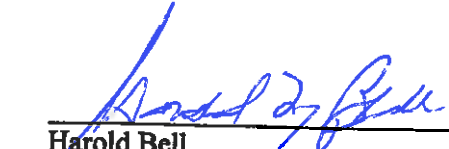
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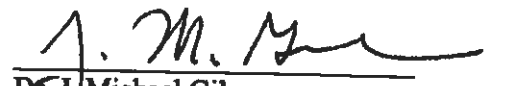
Agreed to on behalf of each party by:

NATIONAL AERONAUTICS AND
SPACE ADMINISTRATION
LANGLEY RESEARCH CENTER

OFFICE OF THE SECRETARY OF
DEFENSE / OFFICE OF THE
DIRECTOR, OPERATIONAL TEST
AND EVALUATION



Harold Bell
Acting Chief Engineer



Dr. J. Michael Gilmore
Director, Operational Test and Evaluation

DATE: 2/21/2014

DATE: 1/27/14