

Irregular Warfare in the Gobi – Unmanned Systems Supporting Mongolian Sovereignty



Problem Statement

- This proposal seeks to develop and test the application of commercial unmanned systems in the extreme conditions of Mongolia to 1) research U.S. acquisition and training of unmanned systems for Mongolia in irregular conflict, 2) assess and test unmanned system performance (with particular interest in multi-platform operations) in extreme conditions, and 3) enhance the research and thesis work of current Defense Analysis department Mongolian students who will evaluate the ability of Mongolian Special Forces Command to field and train these technologies.
- What is your approach?
 1. Consolidate research objectives that align with CRUSER, student/faculty research, implementation partner (projected)
 2. Identify implementation partner in Mongolia and SOCPAC
 3. Survey commercial systems of interest that enable testing/evaluation of research tasks
 4. Determine variables and develop a testing environment
 5. Hypothesize, test, report findings

Impact

- **What contribution does this work make to your field?** Technology innovation in support of irregular warfare preparation and application supports student/faculty research, promotes DoD collaboration with international partners, and creates important commercial industry ties.
- **What is the warfighting impact?** Successful implementation of the proposed project would generate effects for special operations forces support to large scale operations. Improving a strategic partners, Mongolia, ability to expand surveillance in sparsely populated areas, improve command and control, and demonstrate extended deterrence.
- **How will you measure success?** Success will be measured by the completion of all phases of the research including material acquisition, testing and evaluation in an operational setting, and the reporting of these findings in a written report. The written report will be provided to transition stakeholders and potential (co)sponsors for phase 2 development and implementation.

Transition

- **Who cares?** INDOPACOM, Special Operations Command – Pacific, PACOM Augmentation Team Mongolia (PAT-MNG), Special Forces Command Mongolia (SFC-MNG).
- **What are specific sources of continued support and collaboration?** Sources of support exist through ongoing research and educational activities. The Defense Analysis Department has a nearly 7-year relationship with the Mongolian and SOCPAC stakeholders. This enables streamlined collaboration and partnership with them and expedites potential operational impacts and effects. Additional support will be sought from other government agencies, particularly those with ties to additional research and development resources.