

STORM THE SYNTHETIC THEATER OPERATIONS RESEARCH MODEL (STORM)

◆ THE DoW'S PRIMARY TOOL FOR CAMPAIGN ANALYSIS

STORM is a computer-based simulation sponsored by Secretary of the Air Force Studies and Analysis (SAF/SA) where entities operate in a multi-domain warfare environment. STORM represents warfare systems, capabilities, planning processes, and execution outcomes to generate analytical insights to inform senior leader decisions.

BENEFITS

- Unclassified, government-owned and -managed software
- DoW (RMF)-compliant campaign analysis system
- Robust, SQL-compliant database warehouse and capability
- Credible representations of warfighting systems, capabilities, C2 and planning processes, and adjudication outcomes
- STORM input derived from authoritative data sources; functionality and usability enhancements driven by user requirements

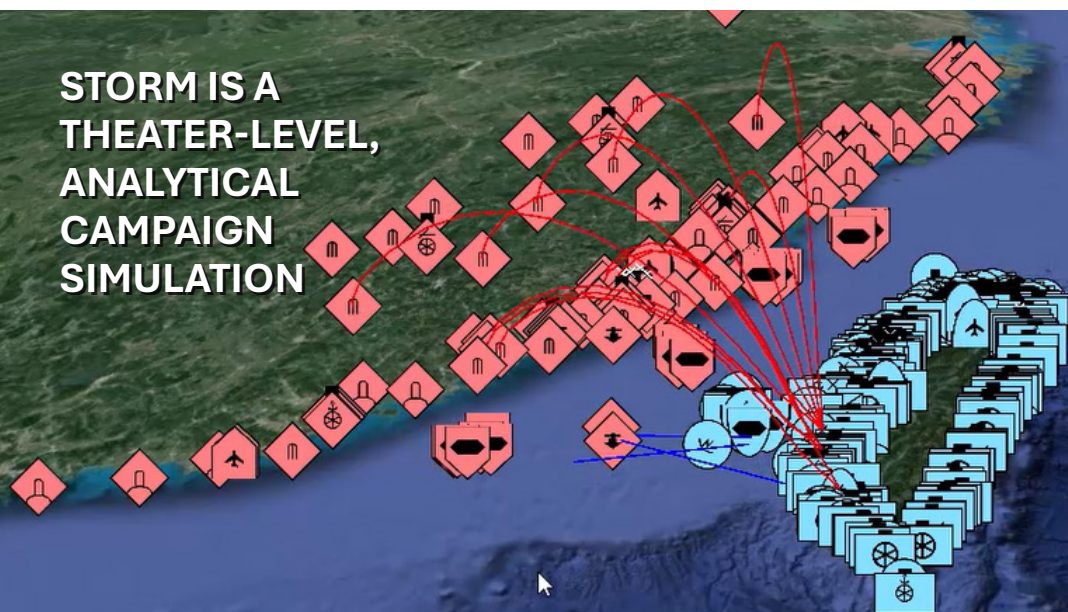
FUNCTIONS

- Evaluation of military strategy and capabilities, force structure, and operational effectiveness
- Depiction of relationship between assets
- Assessment of the military value of alternative CONOPs and weapon CONEMPs
- Assessment of the military value contribution of logistics, mobility, communications, and sensor collections

USE CASES

- Study applications supporting the Cycle of Research
- Force structure analysis to "right size" given the threat/mission
- Course of Action exploration to support OPLAN development
- System/capability trade to inform R&D portfolio investments

STORM IS A THEATER-LEVEL, ANALYTICAL CAMPAIGN SIMULATION



STORM authoritatively fulfills the promise of campaign modeling to provide analytical insights on potential warfighter risks and impacts of complex interactions across the spectrum of the multi-domain warfight. STORM modelers support the Joint Staff, Office of the Secretary of War, Combatant Commands, and Allied nations.



THE STANDARD WARGAME INTEGRATION FACILITATION TOOL (SWIFT)



✦ EMPOWERING WARGAMING THROUGH DIGITIZATION

BENEFITS

- Fit-to-purpose for creating wargames
- Design flexibility for any map, force laydown, scenario, and number of players
- GOTS with high portability on government systems

FUNCTIONS

- Full access and flexible design tools
- Detailed recordation and playback of game events and actions
- Customized and transparent adjudication

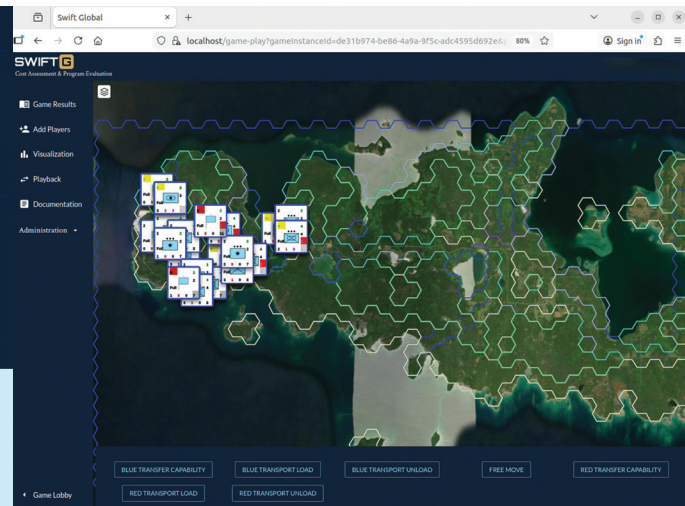
USE CASES

- USMC Operations Analysis Directorate Iterative Wargaming Series 2017–Present
- USMC Warfighting Laboratory (MCWL) Crown Jewel and Provident Forge Tactical Wargame Series
- Joint Staff J4, J7, and J8 wargames 2020–present
- DTRA 2022–Present

The forthcoming **SWIFT-G** is a cloud-deployable browser-based reimagining of SWIFT that combines a modern gaming experience for designers and players while maintaining ease of customization and traditional wargaming features.

- Modular
- Game-Agnostic
- Cloud-Based
- Multi-Domain
- Wargame and Simulation Integration Hub

→ **SWIFT-STORM** connects the user experience of SWIFT and the adjudication engine of STORM to create a wargame system capable of executing large-scale, long-duration wargames at speed with defensible adjudication.



✦ Decision Advantage for National Security

Systems Planning & Analysis (SPA) is a global, independent analytical and technical innovation firm advancing complex national security priorities. SPA delivers mission engineering, advanced analytics, operational insights, and technology-enabled solutions that accelerate capability delivery and inform strategic decision-making across defense, intelligence, homeland security, and other critical mission areas.



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