

13th Annual Clara Barton Competition, 2026
Sunday, March 15



CLARA BARTON

INTERNATIONAL HUMANITARIAN LAW COMPETITION

Round 5

Prep Window:

Wave B: 9:35-10:35am

Wave A: 10:35-11:35am

Test Window:

Wave B: 10:40am-11:00am

Wave A: 11:40am-12:00pm

Roles:	Crawn Republic Department of Defense Legal Advisors
Teams:	All Teams

Room Assignments:	17-BoG	17-G08	18-202	18-215	E-109	E-111	E-114	E-115
Wave A Teams:	8	5	4	7	3	2	1	6
Wave B Teams:	16	13	12	15	11	10	9	14

Immediately after the round concludes, there will be a 5-minute window for judge feedback in the same room.

Defense Proposal Evaluations



Reagan Ridley <rearid@dod.craw>
To: Procurement Legal procleg@dod.craw;



Sunday 03/15/2026 6:10 AM

Hi Team,

Excited to start working with you. As you know, I've recently been appointed to lead the Department's Rapid Innovative Acquisitions team. Given the continental instability, it's important that we forge ahead quickly. Admittedly, reviewing weapons is not my area of expertise. To that end, please come to our meeting this morning prepared to brief me on what our legal obligations are with regards to reviewing potential new weapons and your positions on the following attached proposals based on said obligations.

Thanks,
Reagan Ridley
Undersecretary of Defensive Procurement
Crawn Republic Department of Defense

↩ Reply

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Section 4: Acquisitions

Under the authority of the Undersecretary of Defensive Procurement:

4.9

When considering the acquisition of a new weapons system, the proposed system must be evaluated to determine whether usage of the system can be in compliance with the Crown Republic's obligations under international humanitarian law.

Potential Acquisition 1:

Subject: Surveillance & Signal Disruption UAV (The Morrigan-MB)

Date: March 15, 2026

Overview

The Morrigan-MB is a next-generation covert unmanned aerial vehicle designed for urban electronic warfare, reconnaissance, and communications denial. Externally indistinguishable from a large crow, the Morrigan platform blends naturally into dense city environments where corvids are common, allowing it to operate unnoticed in populated or surveilled areas. The system's unique energy-scavenging capability allows it to perch on electrical infrastructure and draw power directly from the urban grid, enabling extended missions without conventional batteries or refueling. Multiple Morrigan units can operate in coordinated swarm networks to expand jamming coverage across entire city blocks.

Perch-Based Energy Siphoning

The Morrigan-MB is designed to operate indefinitely within power-dense urban infrastructure. When perched on electrical infrastructure, the drone deploys micro-induction contact talons that draw power without interrupting the grid. Compatible structures include Overhead power line, Transformer housings, Fuse boxes, Streetlight mounts, Substation perimeter lines, and communication relay towers.

Jamming Capabilities

One of the Morrigan-MB's primary mission roles is localized communications disruption. The system can disrupt: cellular networks (4G / 5G), Wi-Fi networks, GPS signals, consumer drone control links, and short-range radio communications. The Morrigan scans ambient signals and dynamically prioritizes highest signal density, command frequencies, or emergency communications.

Jamming Field Characteristics

- Effective Radius: ~550 ft spherical field
- Coverage Volume: ~697,000 cubic feet
- Adaptive frequency targeting



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Date: March 15, 2026

Sensor Suite

The Morrigan boasts a 8K micro-optical camera with thermal imaging modules and a directional microphone array, capturing crowd movement patterns, vehicle traffic, nearby conversations, building entrances/exits and electronic signal activity. It stores up to 96 hours of continuous recording on encrypted internal storage drives.

Autonomous Behavior System

The Morrigan contains an urban behavior AI model trained on real crow activity. This behavioral mimicry helps the drone remain socially invisible in environments where birds are common. Capabilities include natural landing approach patterns, realistic head scanning behavior, flock avoidance, pedestrian proximity tolerance, and predator escape responses.

Operational Roles

Typical mission deployments include:

- Urban surveillance
- Tactical communications denial
- Riot control monitoring
- Counter-drone signal disruption
- Intelligence gathering
- Infrastructure monitoring



Potential Acquisition 2:

Subject: Fortification Disrupting Gas Dispersal UAV (The Mist-SK)

Date: March 15, 2026

- The Mist-SK is a remotely piloted tactical UAV designed for rapid gas dispersal inside sealed or fortified structures. The system injects aerosolized agents directly through a building's ventilation network, allowing gases to disperse evenly throughout the interior.
- The platform is engineered to operate in environments such as military bunkers, underground facilities, armored vehicles, hardened bases, and industrial containment structures, where access is restricted and conventional attacks are likely to trigger a high amount of friendly casualties.
- Once attached, it vents its payload through the ventilation shafts, ensuring its rapid dispersal throughout the structure, leading to distress and disarray amongst the inhabitants, weakening their capabilities before launching a larger strike
- Features include: twin hermetically sealed payload canisters, with a 60 second maximum dispersal time; universal ventilation docking collar; magnetic stabilization clamps; precision positioning thrusters; carbon-ceramic heat-resistant body shell; and the drone's docking hardware allows it to attach securely to air intakes, HVAC ducts, exhaust vents, or armored ventilation grilles.
- The Mist can be pre-equipped with aerosolized versions of:
 - O-Pinacolyl methylphosphonofluoridate
 - Chlorovinylarsine dichloride
 - Oleoresin capsicum



Proposal 3:

**Subject: Lethal Autonomous UAV
(Izanami-FA)**

Date: March 15, 2026

OVERVIEW:

The Izanami is a fully autonomous aerial platform proposed to fulfill persistent, long-endurance mission requirements in environments where sustained presence, resilience, and cost efficiency are prioritized over speed or payload mass. The system emphasizes autonomous navigation, autonomous target recognition, collaborative drone behavior, defensive survivability measures, and extended battery endurance, enabling up to 24 hours of continuous flight time per mission.

AUTONOMOUS TARGETING & IDENTIFICATION PERFORMANCE:

The Izanami system incorporates onboard Autonomous Identification and Assessment Module (AIAM) designed to distinguish combatants, military objects, and non-military entities within predefined engagement constraints.

Category	Projected Identification Accuracy
Military Vehicles & Installations	96-98%
Armed Combatants (Uniformed)	90-94%
Armed Combatants (Non-Uniformed)	84-88%
Civilians	90-94%
Civilian Objects	98%

Proposal 3:

**Subject: Lethal Autonomous UAV
(Izanami-FA)**

Date: March 15, 2026

AUTONOMOUS NAVIGATION SYSTEM:

The Izanami operates with fully autonomous mission capability, reducing the need for constant human supervision.

Navigation features include:

- AI-based terrain mapping
- GPS and inertial navigation systems
- optical navigation fallback for GPS-denied environments
- real-time weather pattern adaptation
- automated altitude optimization for efficiency

The drone can autonomously determine optimal flight paths and loiter patterns, allowing it to maintain persistent observation over a designated region.

WEAPONS SYSTEMS:

The Izanami has two weapons systems aboard:

1. Air-to-surface small guided missiles (sAGM-B3) x8
 - a. 20lb missiles, laser guided
2. One 23mm light machine gun, 400 rounds

Alongside its autonomous targeting and navigation capabilities, the system is also capable of independently electing which of its weapon systems to use as it pursues a target.

