Official Announcement: SEDIC 2026 Visual Track – Phase 1 Preliminary Qualifier

Welcome to the **SEDIC 2026 Visual Track**. We are evolving the challenge to meet the demands of modern maritime security. This year, we are looking for sophisticated AI models capable of high-stakes identification in complex naval environments.

Phase 1: Preliminary Stage (Online Submission)

1. Mission Name **Project Guardian: Advanced Maritime Domain Awareness (MDA)**

2. Format **Online Technical Proof-of-Concept (POC)**. Teams must develop and submit a trained AI model along with a technical report demonstrating its capabilities.

3. Technical Requirements & Mission Overview Participants must develop an object detection model capable of multi-angle classification, including **frontal-view** and **aerial/satellite-view** perspectives.

- **Training Data:** Participants are responsible for sourcing their own training data from open-source datasets (e.g., SeaShips, Singapore Maritime Dataset, or others).
- **Mandatory Classifications:** Models must accurately detect and classify the following:
    - **Civilian:** Container Ships, Tankers, Cargo, Passenger Ferries.
    - **Small Craft:** Yachts, Speedboats, Fishing Boats
    - **High Priority (MILITARY): [MANDATORY]** Identification of military vessels.
        - *Competitive Advantage:* Models that can distinguish between **Local (Malaysian)** and **Foreign** military assets will be awarded significantly higher technical scores.

4. Evaluation Requirements (Submission Package)

To be considered for the Top 10 selection, teams must submit:

- **Model Source Code:** Utilizing standard open-source libraries.
- **Detection Log & Results:** Generated by running the model on the provided "Qualifier Video Clip."
- **Performance Benchmark:** Must achieve a **Recall > 90%** on military and threat-based classes.
- **Technical Brief:** A PDF detailing the dataset used, the model architecture, and the logic used for military classification.
- **A Video Demonstration:** Max 5 minutes via Youtube Channel

Phase 2: Grand Finale – "The Wireless Village" (Top 10 Only)

Only the top 10 scoring teams from Phase 1 will be invited to the Grand Finale to showcase their technology in a live environment.

1. Finalist Preparation

Selected teams must prepare the following for their allocated booth:

- **Display Poster:** A professional visual representation of your AI pipeline, data processing methods, and model accuracy.
- **Live Demo System:** A working station capable of running your AI model in real-time.
- **Graphical User Interface (GUI):** While not mandatory, teams with a functional and intuitive **GUI** for their detection system will receive a significant **Competitive Advantage** during judging.

2. Final Evaluation & Verification

On the final day, teams will undergo a two-part assessment:

- **Jury Presentation:** A formal pitch to a panel of experts explaining your technical approach and the scalability of your model.
- **Live Stress Test:** The jury will provide a fresh set of "Hidden Verification" images or videos. Teams must process this data on the spot to verify the model’s accuracy, speed, and reliability in real-world scenarios.