

INDIAN NAVY: DEBRIEFING SITREP

REPORT ID: UATA-DEBRIEF-20260205-173834-610939 | DATE: 2026-02-05 17:38:34

1. COMMAND & SECTOR METADATA

OPERATIONAL BASE: INS Sardar Patel (Porbandar)
SECTOR ASSIGNMENT: Gujarat Coast - Sir Creek Entry (Porbandar)
MISSION ID: UATA-DEBRIEF-20260205-173834-610939
ANALYTICAL BACKEND: deepseek-r1:7b

2. TACTICAL ASSESSMENT

MISSION STATUS SUMMARY: Strategic surveillance in the Gujarat Coast - Sir Creek Entry (Porbandar) sector is established and stable. Operational headquarters successfully relocated to INS Sardar Patel (Porbandar). During the current surveillance window, tactical assets were tasked with identifying /metrics, /listen.

OPERATIONAL ANALYSIS: Multi-sensor fusion modules performed correlation. Tactical logs indicate successful domain awareness.

RECOMMENDATION: Maintain INS Sardar Patel (Porbandar) patrol readiness. Next sensor sweep scheduled at T+60 minutes.

3. CHRONOLOGICAL TACTICAL LOG

[17:36] [Routine Surveillance] Target: /metrics | Tactical Intelligence: UATA SYSTEM PERFORMANCE AUDIT

1. TACTICAL DETECTION (YOLO-SONAR)

- mAP Accuracy: 81.96%
- Precision (Tiny/Large): 74.2% / 89.1%
- Inference Latency: <25ms

2. VISUAL RECONNAISSANCE (CLIP-ViT)

- Top-1 Accuracy: 72.4%
- Top-3 Accuracy: 91.8%
- Cosine Similarity Threshold: 0.72

3. ACOUSTIC INTELLIGENCE (DeepShip)

- Benchmark Accuracy: 94.2%
- SNR Resilience: >80% at -5dB

4. KNOWLEDGE RAG ENGINE (DeepSeek-R1)

- Grounding Score: 98%
- Retrieval Precision: 88.5% NDGC@5
- Hallucination Rate: <1%

[17:37] [Routine Surveillance] Target: /listen | Tactical Intelligence: None

Acoustic Classification Protocol

Underwater ship classification is predicted by analyzing:

- Engine Noise: Each vessel class (Cargo, Tanker, etc.) has unique Low-Frequency Analysis and Recording (LOFAR) signatures.
- Propeller Blade Rate: Determining the number of blades and RPM.
- Harmonic Tonals: Specific frequency peaks from on-board machinery.

Prediction Path: Input Audio -> Mel-Spectrogram -> CNN Signature Match -> Class Identified.

--- NO FURTHER ENTRIES | RESTRICTED NAVAL INTELLIGENCE ---