

Performance Work Statement

Maritime Information Resource

1. **Scope:** United States Fleet Forces Command (USFFC) N3 Maritime Domain Awareness, provides 24/7/365 support to the Fleet Command Center Battle Watch, Navy Fleet assets, United States Northern Command, and interagency partners. Our focus is behavioral and predictive analysis of information and data pertaining to vessels, people, cargo, infrastructure and events in the maritime domain. This support shall include, at a minimum, comprehensive geo-visual based user interface to access maritime industry data; support user-defined analysis of vessel activities and associated maritime businesses; and provide predictive risk analysis based on observed activities. The user display and products will contribute directly to the Commander's decision-making cycle for providing situational awareness of the maritime domain.

USFFC Maritime Domain Awareness (MDA) requires a multi-source maritime fusion and maritime trade analytic resource that is web-based, non-classified, non-PKI commercial maritime information to provide near-real time, relevant and reliable data and information pertaining to the commercial maritime industry and provided by the commercial industry. Required data and information should include but is not limited to Section 2 below.

2. Requirements:

2.1. Ship data and information, such as:

- 2.1.1. News stories
- 2.1.2. Adverse media reports
- 2.1.3. Registration
- 2.1.4. Ownership- seven levels of ownership, ultimate beneficial ownership data for non-maritime companies and financial beneficiaries
- 2.1.5. Commercial History
- 2.1.6. Class
- 2.1.7. Surveys
- 2.1.8. Construction
- 2.1.9. Cargo and gear
- 2.1.10. Machinery
- 2.1.11. Photographs
- 2.1.12. Insurance
- 2.1.13. Industry information economic performance

2.2. Trade Intelligence and Analytics

- 2.2.1. Trade Flow maps depicting cargo flows and market trends
- 2.2.2. Dashboard capabilities to build user defined views
- 2.2.3. Build in AI (e.g. CoPilot) capability analyzes trends and impacts
- 2.2.4. Trade News and access to webinars
- 2.2.5. Risk and Compliance data for ships, cargo, flag States, and by authority
- 2.2.6. Cargo, Oil & Gas, and Refinery Inventories to support mission information requirements
- 2.2.7. Voyage calculators
- 2.2.8. Container tracking

2.3. Vessel information, such as:

- 2.3.1. Multi sources AIS: satellite, terrestrial and shipborne (+6 years of historical data)
- 2.3.2. Movement and history tracking (30, 60, 90, 180 and 365 days)
- 2.3.3. Dynamic vessel navigation (Course, speed, latitude, longitude, time and date of last reporting)
- 2.3.4. Behavioral risk indicators
- 2.3.5. Static vessel data (Flag, IMO, call-sign, MMSI, type of vessel, cargo, status)
- 2.3.6. Identification discrepancies (false IMO number, multiple flag registrations and invalid MMSI)
- 2.3.7. Destination information (port, date, ETA)
- 2.3.8. Vessel look-up searches and advanced queries
- 2.3.9. Ability to matching records and save results

- 2.3.10. Exporting Results to csv, excel, or kml
- 2.3.11. Exportable vessel profile and activity report
- 2.3.12. Ship search capabilities by static and dynamic information
- 2.3.13. Ship historical record (detentions, safety violations, construction data)
- 2.3.14. Multiple pictures of vessel
- 2.3.15. Company record, hyper-links and contact details (owner, charterer, insurer, operator)
- 2.3.16. Generate reports
- 2.3.17. Advanced searches and queries
- 2.3.18. Analysis of selected ships against each other
- 2.3.19. Historical vessel information (past ownership, flag change, name change)
- 2.3.20. Conduct essential day-to-day sanctions screening
- 2.3.21. Undertake ship and ownership research
- 2.3.22. Print compliance support documents
- 2.3.23. Monitor and receive alerts for ships calling on sanctioned countries
- 2.3.24. Detection of deceptive shipping practices in line with OFAC maritime advisory for the shipping industry

2.4. Maritime Industry Companies Information:

- 2.4.1. Company Search and Overview
- 2.4.2. Due diligence screening for non-maritime companies
- 2.4.3. Sanction screening (companies and vessels)
- 2.4.4. Support network analysis via behavioral associations
- 2.4.5. Shipping companies and ships owned
- 2.4.6. Ships / fleet list
- 2.4.7. Trading area
- 2.4.8. Related Records
- 2.4.9. Reports
- 2.4.10. Company Watchlist
- 2.4.11. Relationships with other companies
- 2.4.12. Personnel
- 2.4.13. Fleet size
- 2.4.14. Conduct ship and ownership research
- 2.4.15. Monitor port state control events
- 2.4.16. Identify ownership levels
- 2.4.17. Monitor ships in high-risk zones
- 2.4.18. Search casualty and risk events

2.5. Tracking Vessel Movements:

- 2.5.1. Movements search
- 2.5.2. Creating and sharing vessel watchlists
- 2.5.3. Movement Alerts
- 2.5.4. Developing trigger areas and alerts
- 2.5.5. Timeline search
- 2.5.6. Anomalous behavior analysis
- 2.5.7. Behavior Analysis and identification of associated risk level for nefarious activities
- 2.5.8. Ability to recall 5+ years of vessels' activities data, and project historical data with near real-time data.
- 2.5.9. Ability for analysts to playback historical data

2.6. Port Information:

- 2.6.1. Port risk assessment
- 2.6.2. Search by country, port code, location, name
- 2.6.3. Map of port
- 2.6.4. Port details (latitude, longitude, max draft)
- 2.6.5. Pre-arrival information
- 2.6.6. Descriptions of port
- 2.6.7. Address and contact information
- 2.6.8. Images

2.6.9. Ships in port

2.7. **Analysis Functions:**

- 2.7.1. Automated vessel activity detection
- 2.7.2. Trading area analysis
- 2.7.3. User defined areas of interest
- 2.7.4. Company analysis and behavior risk identification
- 2.7.5. Company/Owner due diligence analysis
- 2.7.6. Reports and alerts (user defined auto generated email alerts, comprehensive vessel and ownership reports, with track history projection, ownership data, behavioral based risk assessment)
- 2.7.7. Ships movement analysis (automated behavior analysis and user defined analysis)
- 2.7.8. Historical analysis (7+ year of user accessible data in active search database with near-real-time data)
- 2.7.9. Identify, monitor and forecast security and sanction compliance risk
- 2.7.10. Verify ships in their waters
- 2.7.11. Pinpoint ships in high-risk areas
- 2.7.12. Monitor mid-ocean/coastal areas and ports
- 2.7.13. Monitor ships in custom-designated zones
- 2.7.14. See near real time and historical ship tracks
- 2.7.15. Conduct risk event analysis
- 2.7.16. Behavioral searches, geographic search - multi-layer filtering
- 2.7.17. Behavioral trends analysis

2.8. **Geo-Visual Display:**

- 2.8.1. Map and satellite view
- 2.8.2. Support government and commercial data integration
- 2.8.3. Imagery overlay
- 2.8.4. Digital nautical chart view
- 2.8.5. Weather overlay
- 2.8.6. Distance tool and calculator
- 2.8.7. Upload and customize vessel list display
- 2.8.8. Heat signature display by vessel type
- 2.8.9. Customized alerts
- 2.8.10. Vessel color key
- 2.8.11. Develop shapes and trigger areas
- 2.8.12. Imagery object measurement tool
- 2.8.13. Critical Infrastructure Overlay
- 2.8.14. Oil & Gas Overlay
- 2.8.15. Maritime boundaries and user defined areas of interest

- 2.9. Because this is a web-based service, software shall not be required. Only access to a computer, user-name and password to access the information shall be required. User access and account control shall be under the MDA Director and NCAGS Program Manager at USFFC, [REDACTED]. Three licenses shall be utilized for the period or performance for one year. Additionally, licenses may be requested for additional years.

3. **Required Period of Performance:** 08 August 2026 through 07 August 2027

4. **Point of Contact:**

