NDP
NET-CENTRIC DESIGN PROFESSIONALS

NOMS™ Network-Independent Open Source Messaging Service

Connect to Actionable GEOINT in Real-Time

NDP's Network-Independent Open Source Messaging Service NOMS™ allows you to quickly and easily connect with virtually any type of **streaming GEOINT** data via open standards and protocols, transforming your application into a frontline decision enabler.

Interface Using Commercial Industry Standards

Non-disruptive, low-cost solution, built on proven commercial industry standards and technologies that are simple to integrate, making Interface Control Documents (ICDs) a thing of the past. **A basic client application can be written in 20 lines of code!**

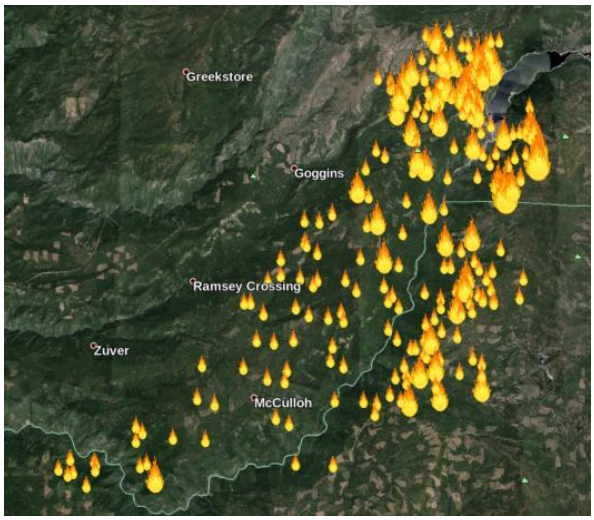
Open Standards Support

Delivers enterprise message definitions in (machine readable) **open formats and standards**.

- Protocol Buffers (protobuf)
- Advanced Message Queuing Protocol (AMQP)
- Short Message Service (SMS)
- Keyhole Markup Language (KML)
- Joint OPIR Data Model (JODM)

React to Events in Real-Time

Messages or alerts can be transmitted across multiple message gateways including texts, emails, instant messages, and common geospatial formats; providing your end users the ability to post, submit, receive and **react to real-time events**.



Evolutionary Data Support

Supports **backward compatible** data encoding to decouple upgrades and permit non-disruptive enhancements. Allowing your user community to upgrade (if desired) **at their own pace** on their own schedule.

Scalable and Network Efficient

Provides a fully distributed data sharing model allowing you to efficiently **reach more users on existing bandwidth**.

Network Security

Supports **Cybersecurity-by-Design**, providing support for authenticated and encrypted (Type 3) connections, including PKI, SASL as well as access control lists (ACLs).

NDP, LLC | 1909 26th Street, Suite 1E | Boulder CO 80302 | Phone: (303) 339-0853
www.ndpgroup.com

Please Recycle

NDP

NET-CENTRIC DESIGN PROFESSIONALS

Information Assurance

Integrates easily in **Multi-Level Security** (MLS) environments, streamlining Certification and Accreditation (C&A)/ Assessment and Authorization (A&A).

Disadvantaged Users

Provides fault tolerant, redundant, federated distribution across **disadvantaged communications** (low bandwidth, high-latency, noisy/high error-rate).

Data Resiliency

Performs transaction management, queuing, distribution, security, management, clustering, and federation. Ability to halt, pause, continue, and discontinue message delivery **in the event of service disruption**.

Modular Decoupled Architecture

Allows existing or legacy systems to **rapidly** adopt or **transition to open standards**. Modules include - NOMS™ Connectors, NOMS™ Message Distribution Node, NOMS™ Gateways and NOMS™ Archiver.

Cross Platform

Open-source enabled client stacks operate on any modern operating system. Windows, Linux, Android, OS X, iOS, Solaris, and BSD. Supported languages include C, C++, Java, .Net, Objective-C, Python, Perl, JavaScript, and more.

Ask Us About

NOMS™ for OPIR Dissemination – real-time Battlespace Awareness and Environmental Intelligence

NOMS™ for Wildfire Monitoring and Mitigation – real-time Environmental Intelligence

NOMS™ for Hydrocarbon Emission Monitoring – real-time Environmental Intelligence

DIMMER™ Declassified Intelligence Metadata Manager for Environmental Research – automated data sanitization for unclassified distribution

Highlights	Benefits
Built on open standards aligned with Defense Information Systems Agency (DISA), Enterprise Messaging (EM)	Avoids vendor lock-in and expensive software licensing; fosters rapid development and interoperability. Supports “Bring Your Own Device” (BYOD) concept
Security and Information Assurance **built into the backbone**	Enhances your security posture, while lowering deployment and maintenance costs
Designed from the ground up to be **extensible, scalable and network efficient**	Runs on a distributed, elastic or cloud based architecture, allowing end users to connect to nearest message gateway

NDP, LLC | 1909 26th Street, Suite 1E | Boulder CO 80302 | Phone: (303) 339-0853
www.ndpgroup.com