1. GEOINT Solutions Marketplace (GSM)

The GSM team will be on hand to discuss how the Enterprise Innovation Office finds disruptive technologies and integrates them into the enterprise. The GSM team works closely with the users in each of the 5 portfolios at NGA to learn how they do their job and identify ways to make that job easier. Through market research and submissions to the online marketplace, the GSM team evaluates potential solutions and presents them to the portfolios. This allows them to concentrate on their daily tasks instead of working to improve their tools.

2. IC GIS Portal / Middle East Humanitarian Team Analysis

(U) Demonstration will showcase an IC GIS Portal product which geospatially visualizes humanitarian issues. The IC GIS Portal product is a cloud based web application, designed to ingest and display Structured Observation Management (SOM) service enabled data, and display analyst derived data observations in near real time. The displays in the portal product are broken out to reflect known status of facilities and provide a statistical look at the humanitarian issue.

3. RPM Change Detection as it Relates to Commercial Ports

This demo will illustrate how the USTRANSCOM NST is using the RPM tool based on LANDSAT data to detect and follow change at commercial ports.

4. Quantitative Analytic Methodology Identifies Group Power Distribution at Strategic Locations

(U) NGA has developed a quantitative method to assess the spatial distributions of Transnational Criminal Organizations (TCOs). By combining spatial methods and overlaying those results with other intelligence methods of TCOs as a proxy for influence, NGA can answer questions like which TCO is most active or has more control in specific areas. This method creates a product which employs pie charts with the percentages of each TCO operating at a specific location. In general, TCOs operate like a business competing for market share, maximizing profits, and maintain its logistical network. A single TCO does not actually control large land areas, but maintains an influence over specific locations to keep their product and services moving along their network and to protect their illicit enterprises.

5. Multimedia Message Manger (M3) System and Widgets and TAC

(U) The NGA's Multimedia Message Manager (M3) System contains intelligence reporting containing rich content (video, graphics, charts, images) is now available to the intelligence community (IC) and combatant command analysts.

(U) M3 Widgets Allows IC users to discover and access intelligence reporting produced by NGA or other mission partners using their Public Key Infrastructure (PKI) certificate based on user-defined criteria from a repository of millions of products dating from 1985. To access NGA's M3 via these widgets, analysts only need access to the Integrated Analytic Environment and have a valid PKI certificate.

(U) TAC is a browser-based analytic and decision support system that enables "near real-time" discovery of text-based reports through the persistent querying of multiple streaming and stored data sources. Advanced features such as the Relational Display, Text Connections, and alerting tools such as Red Alerts and Text Auto Alerts further enhance the analytic value of the system by enabling advanced problem set framing and message prioritization

6. Office of Small Business Programs (TNS)

-- Small Business Assistance -- Small Business Programs -- Business Opportunities. The Office of Small Business Programs (OSBP) is committed to supporting small businesses and ensuring prime and subcontracting opportunities to the greatest extent possible. The OSBP maintains a robust staff that actively pursues new and creative ways to reach out and engage small businesses that could help NGA meet its mission-critical needs.

The OSBP collaborates with the Office of Contract Services to issue partial or full small business set-aside contracts to 8(a), HUBZone, Woman-Owned, Service-Disabled Veteran-Owned, and Veteran-Owned small business companies based on the market research results.

7. N2W

The N2W office will be hosting a "coffee break session" in participation of NGA Tech Days. Participants will have a chance to come grab a coffee and a chat with the N2W leadership and SME's on the early stages of development of the New Campus West.

8. Protected Internet Exchange

The Protected Internet Exchange (PiX) is a US Government-sponsored website funded by NGA, approved for sharing Unclassified, For Official Use Only (FOUO), and Sensitive But Unclassified (SBU) information. PiX is also approved for foreign partners.

9. Brimstone

We will demonstrate NGA's analytic modeling too, Brimstone, which analysts use to contextualize and visualize the activities and behaviors of objects of interest.

10. Virtual Reality

This demo will cover the range of evolution of virtual reality and technology as they are evolving within NGA mission space.

11. GRiD Geospatial Repository and Data Management System

Geospatial Repository and Data Management System (GRiD): GRiD was developed in a partnership between the US Army Corps of Engineers (USACE) Cold Regions Research & Engineering Laboratory (CRREL) and the National Geospatial-Intelligence Agency (NGA) to serve as an enterprise level repository for geospatial data. The Geospatial Repository and Data (GRiD) Management System is an advanced geospatial database for the storage, processing, visualization, and dissemination of three-dimensional (3D) point cloud data (i.e. Light Detection and Ranging (LIDAR)) and associated two-dimensional (2D) geospatial products (i.e. imagery, digital elevation models (DEMs), vector features, etc.). Point clouds can also be generated from electro-optical imagery and will soon be making their way into GRiD. NEW is GRiD offering of 3D EO Point Cloud data.

12. HUNTER

HUNTER is an experimental system that NGA Research is building to geolocate ground-based images that contain skylines. Hunter does this by predetermining the shape of skylines at different points on the earth's surface using a three dimensional terrain model assembled from elevation data. These skylines are indexed for fast comparisons with a candidate skyline from an image. HUNTER's performance can significantly reduce the time to geolocate images.

13. DNC Mobile

Demonstration of the mobile application for Digital Nautical Chart used by DoD users without access to an electronic navigation system.

14. GLIMPS

Global Monitoring and Planning System (GLIMPS) forecasts locations associated with current hotspots associated with Islamic State about five years before events unfolded on the ground. Leidos delivered more than 65,000 unique and location-specific measures and has achieved an accuracy rate of about 85 percent on its 36-month forecast. Descriptive, marketing materials to follow next week.

15. Design Thinking

Design thinking is a creative and strategic approach to solving challenging problems. It blends together design, quantitative research and entrepreneurial thinking. This method puts people at the center of the process taking into account their complex behaviors, mental models and needs. By using this approach to problem solving we identify and address the root cause of problems, rather than the symptoms. The discipline of design thinking quickly generates and tests new ideas to meet the true needs of the customer. The end result is an impactful and sustainable solutions.

16. N-CERTS

(U) This demo will showcase the NGA Central Electronic Routing and Tasking System (N-CERTS). N-CERTS coordinates tens of thousands of actions a year within NGA, de-conflicts overlapping work efforts, sets precedence, and ensures task completion. This information management system is being reviewed for adoption throughout the Intelligence Community.

17. GEOINT Development and Analytic Tools

GEOINT Services facilitates the creation, sharing, and collaborative use of geospatial data, using a variety of GEOINT Services (GS) Tools and Applications. GS will demo a variety of Development Tools and Analytic Tools that will showcase some of the capabilities Users and Developers will experience as GEOINT Services becomes fully integrated into the Cloud.

18. NGA Globe Demo

Demo of Globe products and functionality

19. Content Nomination Process

This demo will introduce the Nomination process for Content and/or Services for exposure and discoverability in the Globe, Map of the World (MoW) Viewer, and the GEOINT Services Exchange.

20. GEOINT App Store

This demo will highlight NGA's GEOINT App Store capabilities to include specific applications. Also intend to highlight new apps that have been procured by the Innovative GEOINT Application Provider Program (IGAPP).

21. Print on Demand and Forward Based GEOINT

This demo will provide oversight on NGA Standard map and chart products that are available through Web Services and custom data services available.

22. NOC Tour

2 NOC Tours available - Sign up required

23. Museum Tours

The idea of the NGA museum is to give you a better understanding of NGA, by witnessing some of the key events and viewing some of the artifacts of artistic, historical and scientific importance, all related in some way to NGA history.