



National Capital Region Geospatial Data Exchange

Progress Meeting

November 29, 2011



Agenda

- Committee Business
- Project Status
- Data Exchange, Round 2
- Change Order
- Operations & Maintenance
- Next Steps



Project Status

- **Data Inventory**
 - Survey closed
 - Received responses from 45 stakeholders
 - Draft report 12/12
- **Manassas Co-Location**
 - In procurement for final equipment
 - Installation/configuration by mid-January
 - Move NCRDX to co-location by end of January
 - Identity Access Management pilot



Project Status

- **NCRDX, Round 1**
 - Release this week to stakeholders via email.
 - User credentials will be re-issued.
 - Administrator credentials only to GIS Sub-committee jurisdictional representatives.
 - Testing/Feedback due by 12/14
 - Send feedback to gdesupport@mwkog.org. Email listed on NCRDX website.
- **Desktop Tools**
 - Available for 9.3.1 and 10.x
 - Download from NCRDX “Resources” tab.
 - Publish, Remove and limited Consume tools.



Project Status

- **Test Plan**
 - To be delivered this week.
 - Series of test scenarios for NCRDX and Desktop tools in Excel spreadsheet format.
- **Training**
 - Unified Communications Center
 - Dates reserved: Jan 4, 5, 9 and 11
 - **Types**
 - General User – 4 sessions
 - Manager/Supervisor – 2 sessions
 - Administrator – 2 sessions (invitation only)



Project Status

- **Final Stakeholder Meetings**
 - Jan 17 & 18
- **NCRDX, Final**
 - Implemented by end of January
 - Co-location infrastructure
 - NCRnet connectivity
 - HTTPS
 - LDAP authentication



NCRDX, ROUND 2



NCRDX, Round 2

- **Remaining Functional Requirements**
 - Secured Data Feeds
 - Search for Historical Data
 - Data Request
 - Auditing/Metering



What if a data link is password protected?



Secured Data Feeds

- NCRDX Round 2 will address http authentication only
 - Username and password
 - LDAP-based security and other security not in Round 2
- Looking for COG feedback on what types of password-protected feeds will arise in practice
- Three options available
 1. User shares by creating NCR-wide Username and password
 2. User shares with expectation that individual NCR Users have their own credentials on source system
 3. GFE default Username and password



How can I find data that was shared in last year's snowstorm?



Search for Historical Data

- User will be able to search for metadata (descriptions) of expired or deleted links and files
- Input needed on what information should be searchable
 - Data accessible to the user?
 - Data available throughout NCRDX?

- Interface concept:

The mockup shows a dark blue header with navigation links: "My Profile | Contact Us | Admin | Logout". Below this is a search bar with a magnifying glass icon and the text "Search Data". To the right of the search bar is a checkbox labeled "Include Historical Data" which is checked. Below the search bar is a light gray horizontal bar. At the bottom, there is a yellow highlighted row in a table-like structure with the text "s' Meeting" on the left and "Nov 09, 2011" on the right.




How can I request data from the NCRDX community?




Data Request

- Simple Request Data link placed on Home page
- Input needed on how to publish requests for data
 - Post to NCRDX as a whole?
 - Option to limit request in some way?



Announcements

 **Welcome to the NCRDX Stakeholders' Meeting** **Nov 09, 2011**

Data Requests **Add Request**

 **Looking for projected 2025 flood plain estimates** **Nov 09, 2011**

Collaborate

 **Chat**  **Feedback**



How can members know how often their shares are used?



Auditing / Metering

- Two Requirements
 1. Place a running count of total uses and total uses in last 90 days in the metadata panels
 2. Provide summary stats across feeds in My Shares
 3. Possible future: use by organization

Libraries

My Library			My Shares			Partners			Common			Search Results		
State			Maryland			- Choose County -								
Title			Tot/90d			File type								
> Town of Bowie GIS Viewer			54/6			HTML								
> Prince George's County Traffic Atlas			12/10			HTML								
> FEMA Floodplain map for Frederick County			114/101			HTML								
> Frederick County Roadway viewer						HTML								

Libraries

My Library			My Shares			Partners			Common			Search Results		
Title			Tot/90d			File type								
> Maryland Cover Crops			74/1			ArcGIS F								
> Maryland Offshore Shipping lanes			5/3			ArcGIS F								
> Maryland Transportation Services			255/220			ArcGIS F								
> Population Growth Rates Maryland 2000 - 2014						ArcGIS F								



CHANGE ORDER



Change Order

- Remaining Grant Monies because of leveraging of INDEX hardware/software infrastructure
- Items included:
 - Initiating NCRDX Governance
 - Branding / Logo Development
 - Desktop “Consume” Tool
 - Co-Location Support



Change Order – Governance

Scope of Work:

- **2 Facilitated Workshops, 3–4 hours each**
 - **Session #1: Define Governance and Institutional Support Needs and Priorities**
 - **Session #2: Review Draft Findings, Recommendations & Action Plan Report**
- **Prepare Draft Findings, Recommendations & Action Plan Report**
- **Deliver Final Findings, Recommendations & Action Plan Report**



Change Order – Governance

Need COG/Steering Committee Input on:

- **Who will participate in the workshop session?**
- **Where and When for Workshop One?**
- **The Primary Governance Issues that Need to be Addressed**
 - **Setup of Change Advisory Board (CAB)**
 - **Establishment of Administrator roles**
 - **Management of continued Operations/Maintenance**



Change Order – Consume Tool

Scope of Work:

- Design and Develop a “Consume” tool in the ArcGIS desktop environment to consume REST and WMS services published through the NCRDX.
- Complements the current suite of publish and remove tools within the desktop environment.



Change Order – Co Location Support

Scope of Work:

- Continued support of the co-location infrastructure for Testing/Staging and Production environments through the end of January.
- Weekly coordination meetings.



Change Order – Branding/Logo

Scope of Work:

- Create a NCR Geospatial Data Exchange logo for use in printed materials as well as the portal, Flex widget and desktop tool interfaces.
- Solicit feedback today
- Draft candidate logos for December meeting.



Goals for Branding Exercise

- Confirm the Mission of NCRDX
- Get an understanding of group's self-perception and voice
- Create the baseline for a successful logo and brand



NCRDX Mission

Mission

1. ~~Produce, maintain and share a set of common geospatial-operating data across the Maryland–Virginia–DC region...~~
 - Collaborate across jurisdictions and disciplines to share geospatial information.
 - Basis is a geospatial element – geography is what sets the Data Exchange apart
 - Maintain the infrastructure for sharing the common set of data
2. Securely and effectively share, collaborate, and maintain common operating data across the Maryland–Virginia–DC region in order to effectively respond to various events that span the NCR, planned and/or emergency.



NCRDX Vision (optional based on time)

Vision

1. **Geospatial Data will be seamlessly shared and available across all NCR jurisdictions of Maryland, Virginia, and DC.**
2.



Core Values Exercise

We are MORE:

Data providers	Data aggregaters
Cross-jurisdictional	communicative
Collaborative	Geospatially-oriented
guides	Caring
Invested	Committed
Engaged in making a difference	Spatial enablers
Responders	Collaborators
Coordinators	Cooperative
Cross-functional	Cross-agency (horizontally, vertically)
Wide reaching	Across boundaries
cohesive	Mission-oriented

We are LESS:

consumers	fragmented
Working in silos	Constrained by boundaries
prescribers	
Political	



NCRDX Core Values Exercise

Choose the top five from previous exercise (Time permitting add actions that support them)

- 1. ... We value X, so we...**
- 2. ...**
- 3. ...**
- 4. ...**
- 5. ...**



Naming the Exchange

- NCR GDX – 4 votes
- NCR GX
- NCR GeoDE
- NCR Geo
- NCR GeoEX

- Important considerations:
 - Keep NCR
 - Distinguish “Geospatial”
- Next Steps/Actions:
 - Poll the COG group to rank the choices (include a write-in for other ideas)



Core Ideas for the Logo

- Sub-brand to NCR
 - Has to work with the NCR logo; can't clash with NCR
- Color pallet and design of NCR Logo
- Needs to shrink down to a small size
 - Need to be able to use elements from the main logo for the widgit
- Geographical outline of the region – MD, VA, DC, river
- Resembles a map of the region
- Include flags like NCR logo
- Represent a sharing element – sharing geographic data across boundaries
- Triangle shape works to show motion of communication going across the board
 - Local, regional, federal, etc.



OPERATIONS & MAINTENANCE

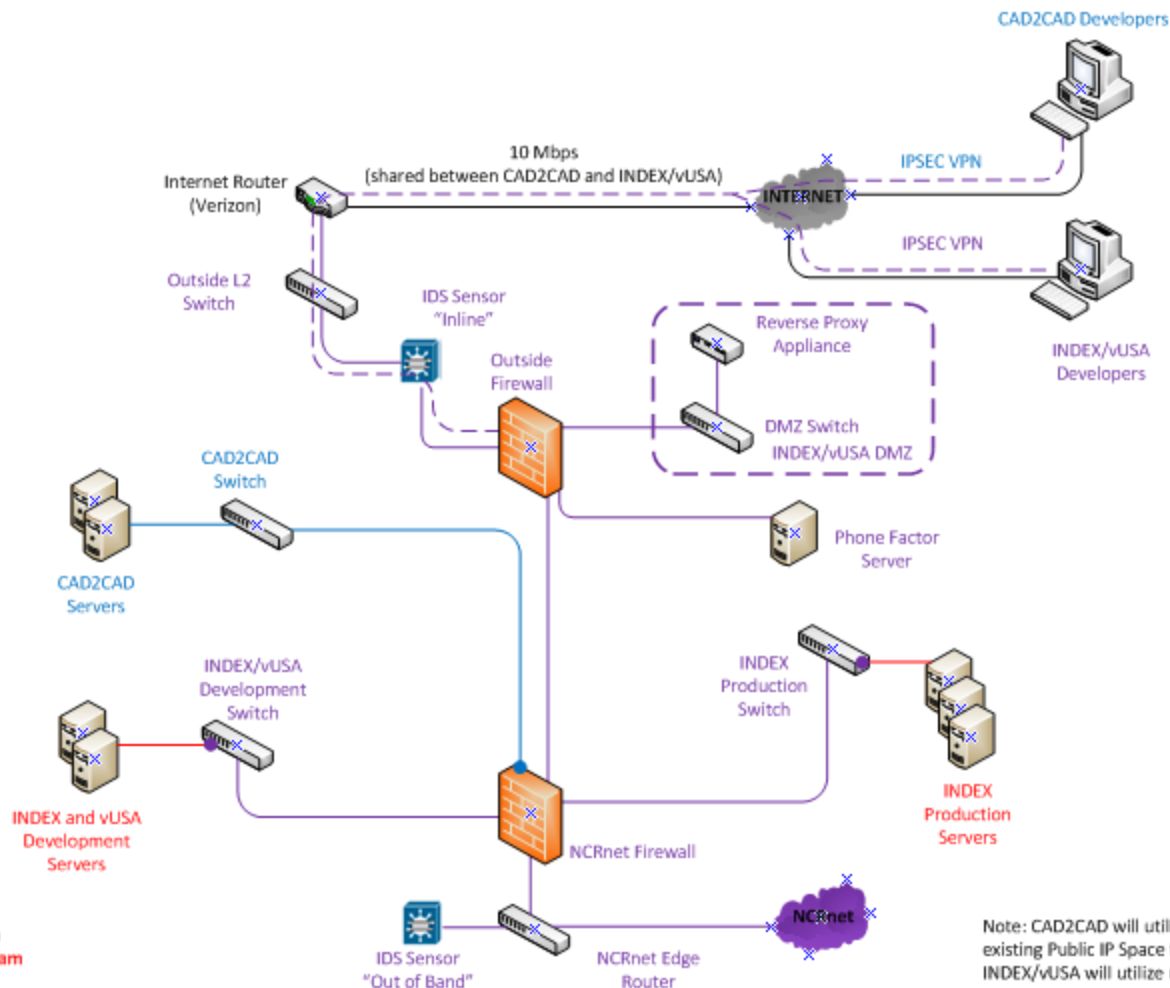


Operations & Maintenance

- Operations and Maintenance of NCRDX and hosted facility through April 2013.
- Grant monies to be administered by Fairfax County
- Roles & Responsibilities between:
 1. NCRnet team
 2. INDEX/NCRDX team
 3. CAD2CAD exchange team



Co-Location Roles / Responsibilities





Proposed Scope Items

1. **Operational & Maintenance Plans for NCRDX Applications and their hosted environments**
 - **Develop Continuity of Operations and Disaster Recovery Plan**
 - **Develop Backup Plan**
 - **Develop Operations & Maintenance Plan**
 - **Develop Intrusion Detection Plan**
 - **Develop Application Security Plan**
 - **Develop Service Level Agreements**
 - **Identify and implement tasks required to support above plans**



Proposed Scope Items

Application Infrastructure Maintenance and Support

- Document the current TESTING/STAGING environment and any changes implemented on a monthly basis.
- Quarterly patching and new version release update of operating system(s), virtual server(s), equipment firmware and application software.
- Periodic assessment of infrastructure and recommendations for improvement in terms of hardware, software, network, etc .
- Administration and operations of antivirus software .
- Tier 1 Help Desk support for normal operations .
- Provide support during the initial configuration and setup of the PRODUCTION environment at the co-location facility.
- Maintain and track inventory, licenses etc. and coordinate procurement and license renewals as needed for systems operations.
- Ensure compliance with regional and jurisdictional security and operational policies.
- Track and support change management processes in coordination with the GIS Committee, and in any change management structures put in place by this committee or the CIO committee.



Proposed Scope Items

NCRDX and Desktop Support

- Fix bugs and perform routine maintenance of code.
- Upgrade to newer browser platforms, desktop versions, etc.
- Provide incidental enhancements.
- Provide emergency support such as changes to security settings under emergency conditions, manual changes to catalogs or membership, etc.
- Provide technical assistance to jurisdictional administrators



Proposed Scope Items

Regional Coordination

- At the request of the Program Manager, attend regional meetings, conferences in support of furthering the mission of the NCRDX.
- Meet regularly with other NCR initiative technical groups to ensure appropriate integration with NCRnet, INDEX, CAD2CAD, identity management, etc.
- Produce needed documentation and materials to facilitate communication of the NCRDX to all jurisdictions.
- Conduct monthly progress/status meetings with the Program Manager to report activities.



Proposed Scope Items

INDEX / NCRDX Integration

- Perform analysis between NCRDX and INDEX systems.
- Produce recommendations on possible integration scenarios.
- Implement phased integration scenarios.



Upcoming Major Milestones

December:

- NCRDX, Round 1 Release 12/02
- Draft Data Inventory Report 12/12
- Round 1 Release Feedback Due 12/14
- NCRDX, Round 2 Release 12/20

January:

- Training 01/04 – 01/11
- Final Stakeholder Meetings 01/17 – 01/18
- NCRDX, Final Deployment 01/31



MARYLAND NCRDX EXERCISE