

Presentation to the Information Technology Committee

August 20, 2013
Harvest Room
State Capitol



Mike Ressler
Interim CIO / Director

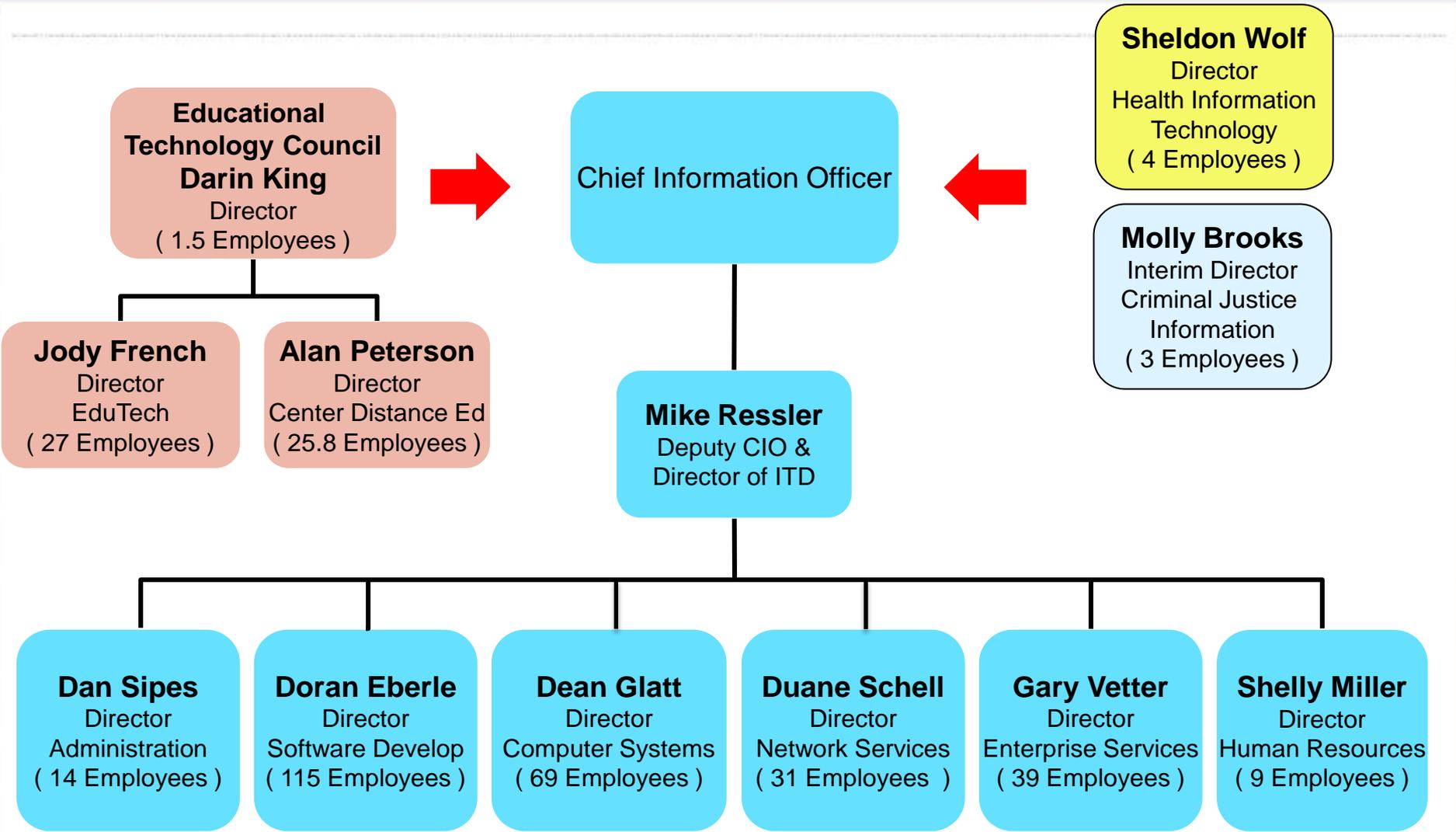




CIO Position Update



July 2013





ITD 2013–15 Budget

| Program | General Funds | Special Funds | Federal Funds | Total |
|---|-------------------|--------------------|-------------------|--------------------|
| ITD Operations | 1,191,700 | 127,667,714 | 4,300,000 | 133,159,414 |
| K-12 Network | 4,864,216 | 100,000 | | 4,964,216 |
| Geographic Information System | 1,394,997 | | 75,000 | 1,469,997 |
| Longitudinal Data System | 1,903,976 | | | 1,903,976 |
| Educational Technology Council | 1,228,322 | 100,000 | 500,000 | 1,828,322 |
| Center for Distance Education | 4,035,413 | 2,051,500 | | 6,086,913 |
| EduTech | 3,212,647 | 5,114,870 | | 8,327,517 |
| Criminal Justice Information Sharing | 3,058,373 | 192,000 | 650,000 | 3,900,373 |
| Health Information Technology | 364,784 | 4,423,469 | 4,500,000 | 9,288,253 |
| Total | 21,254,428 | 139,649,553 | 10,025,000 | 170,928,981 |





2013-2015 Large Project SITAC Results

| Ranking | General Funded | General Fund Portion of Project Cost | Total Project Cost |
|---------|--|---|--------------------|
| 1 | DES - Base Map Phase III | 1,200,000 | 1,700,000 |
| 2 | DES - Computer Aided Dispatch | 340,000 | 340,000 |
| 3 | DHS - Behavioral Health Information System | 5,000,000 | 5,000,000 |
| 4 | Tax Dept - Taxpayer Access Point | 1,000,000 | 1,000,000 |
| 5 | ITD CJIS - Electronic Case Filing | 545,360 | 545,360 |
| 6 | DHS - Mainframe Migration Analysis | 148,907 | 810,000 |
| 7 | DHS - Time and Attendance | 396,237 | 575,642 |
| | Totals | 8,630,504 | 9,971,002 |

| Ranking | Special/Federal Funded | Total Project Cost |
|---------|--|--------------------|
| 1 | Attorney General - Identification Arrest Prosecution | 2,340,050 |
| 2 | DOT - Motor Vehicle Replacement | 9,819,250 |
| 3 | Job Service - WyCAN | 12,157,639 |
| 4 | DOT - Automated Vehicle Locator System | 394,375 |
| 5 | WSI - Policy Replacement | 2,000,000 |
| 6 | DOT - eTransit | 383,450 |
| | Total Special/Federal | 26,711,314 |
| | Total 2013-15 IT Project Cost | 36,682,316 |

Large IT Projects / Executive Steering Committees

| Agency Name | Project Name | Appropriation | Startup Budget | MM-LPO Table=Stage |
|-----------------------------------|--|---------------|----------------|--------------------|
| Adjutant General | Dispatch Console System (CEB) | 1,100,000 | 1,059,569 | Execution Stage |
| Adjutant General | Statewide Records Management System (RMS) aka CAD Phase II | 1,000,000 | | Planning Stage |
| Adjutant General | Computer Aided Dispatch - Phase III - | 340,000 | | |
| Adjutant General | Statewide Seamless Base Map | 2,100,000 | 1,959,809 | Execution Stage |
| Adjutant General | Statewide Seamless Base Map - Phase II | 900,000 | | |
| Adjutant General | Statewide Seamless Base Map - Phase III | 1,150,000 | | |
| Attorney General | Identification Arrest Prosecution (Part of Criminal History Replacement) | 2,340,050 | | Initiation |
| Bank of ND | CashPLUS | | 459,900 | Execution Stage |
| Department of Commerce | Website Rewrite | | 512,780 | Execution Stage |
| Department of Health | ND Immunization Information System Enhanced Interoperability | | 555,000 | Execution Stage |
| Department of Health | WIC EBT (waiting for Grant approval) - Multi-Year Multi-Million Dollar Project | | 258,697 | Execution Stage |
| Department of Human Services | 5010 | | 1,052,840 | Closed |
| Department of Human Services | Eligibility | | | Planning Stage |
| Department of Human Services | ICD 10 (Legacy) | | 1,800,000 | Initiation |
| Department of Human Services | Mainframe Migration Analysis | | 810,000 | Initiation |
| Department of Human Services | Medicaid Systems Project | | 62,529,371 | Execution Stage |
| Department of Human Services | Operating Rules (Legacy) | | 1,913,108 | Planning Stage |
| Department of Human Services | ND Verify | | 658,735 | Execution Stage |
| Department of Human Services | Vocational Rehabilitation Information System Replacement | | 2,500,000 | Execution Stage |
| Department of Public Instruction | eTranscripts | | 502,000 | Execution Stage |
| Department of Public Instruction | North Dakota State Longitudinal Education Data System | 9,000,000 | 387,900 | Execution Stage |
| Department of Transportation | Automatic Vehicle Location (AVL) | 394,375 | | |
| Highway Patrol | Enhanced CVISN Automated Routing | | 2,560,000 | Execution Stage |
| Information Technology Department | Health Information Exchange | | 4,546,269 | Execution Stage |
| Information Technology Department | North Dakota Statewide Longitudinal Data System (formerly EdSmart) Phase II | 2,466,325 | 4,691,649 | Execution Stage |
| Information Technology Department | K-12 Identity Management | | | Planning Stage |
| Information Technology Department | Billing System Rewrite | | 857,800 | Planning Stage |
| CJIS | Electronic Case Management | 400,000 | | |
| Job Service North Dakota | WYCAN (Wyoming, Colorado, Arizona, North Dakota Consortium) | | 408,508 | Planning Stage |
| Job Service North Dakota | Workforce Data Quality Initiative | | 1,126,125 | Execution Stage |
| OMB | PeopleSoft Recruiting Solutions | 885,542 | | Planning Stage |
| Secretary of State | SOS File 2.0 (DPS) | | 3,500,000 | Execution Stage |
| Tax Dept | TAP - Business Registration & Webfile | 1,000,000 | | Initiation |
| Veterans Home | Electronic Medical Records | | 413,065 | Planning Stage |
| Workforce Safety & Insurance | Information Technology Transformation Program | 4,725,001 | | Planning Stage |
| Information Technology Dept | STAGEnet Transport (2015) RFP | | 25,000 | Planning Stage |



SB 2021 Section 5. Information Technology Project Planning

Executive branch agency, excluding Higher Ed, planning an IT project of \$100,000 or more needs to work with Information Technology Department to get recommendations on state standards and technology products before proceeding with the project.



New Legislation

- Legislature passed SB 2034 requiring all Executive Branch agencies follow directives as set out by the Governor's Executive Order for IT projects of \$500,000 and over.
- Requires the agency to work with a 5 member procurement committee (Attorney General IT attorney, IT procurement, ITD project manager, project sponsor and one other member from the agency).
- Executive steering committee (Agency head, agency sponsor, OMB director, CIO, and ITD project oversight analyst)



New Legislation

- Four members of the executive steering committee must agree on decisions relating to major project decisions affecting contracts, budgets, and project scope.
- Agency head and CIO will sign all contracts, revisions and scope changes.
- The procurement officer and primary project manager must meet the qualifications established by ITD and OMB.



New Legislation

- Legislature passed SB 2033 increasing the definition of a large IT project from \$250,000 to \$500,000.
- Legislature passed HB 2021 (WSI Budget Bill) transferring 4 software developer positions from WSI to ITD.



Desktop Support Study

- Prior to January 1, 2014, ITD shall conduct a study of all state agencies' information technology desktop support to determine the feasibility and desirability of centralization of desktop support services through ITD for all state agencies.
- The study must include a review of the support staff, associated costs to the respective agency, use of third-party information technology contractors, and a cost-benefit comparison of current state agencies' desktop support self services and desktop support services provided by the information technology department.
- ITD shall report its findings and recommendations to OMB, the Budget Section, and the Interim IT Committee prior to January 1, 2014.
- OMB shall provide a report to the Budget Section regarding the findings, recommendations, and any legislation required to implement the recommendations of the study.



DPI Technology Staff Study

- DPI budget (HB 1013) includes \$100,000 from the general fund for the superintendent of public instruction to contract with ITD and a private consultant to
- conduct an IT staffing analysis for the biennium beginning July 1, 2013 and ending June 30, 2015. The analysis must include a review of the Department of Public Instruction IT staffing duties, responsibilities, and staffing levels and must
- consider the feasibility and desirability of transferring additional IT positions to ITD and must provide recommendations regarding the appropriate level of IT staff for DPI.



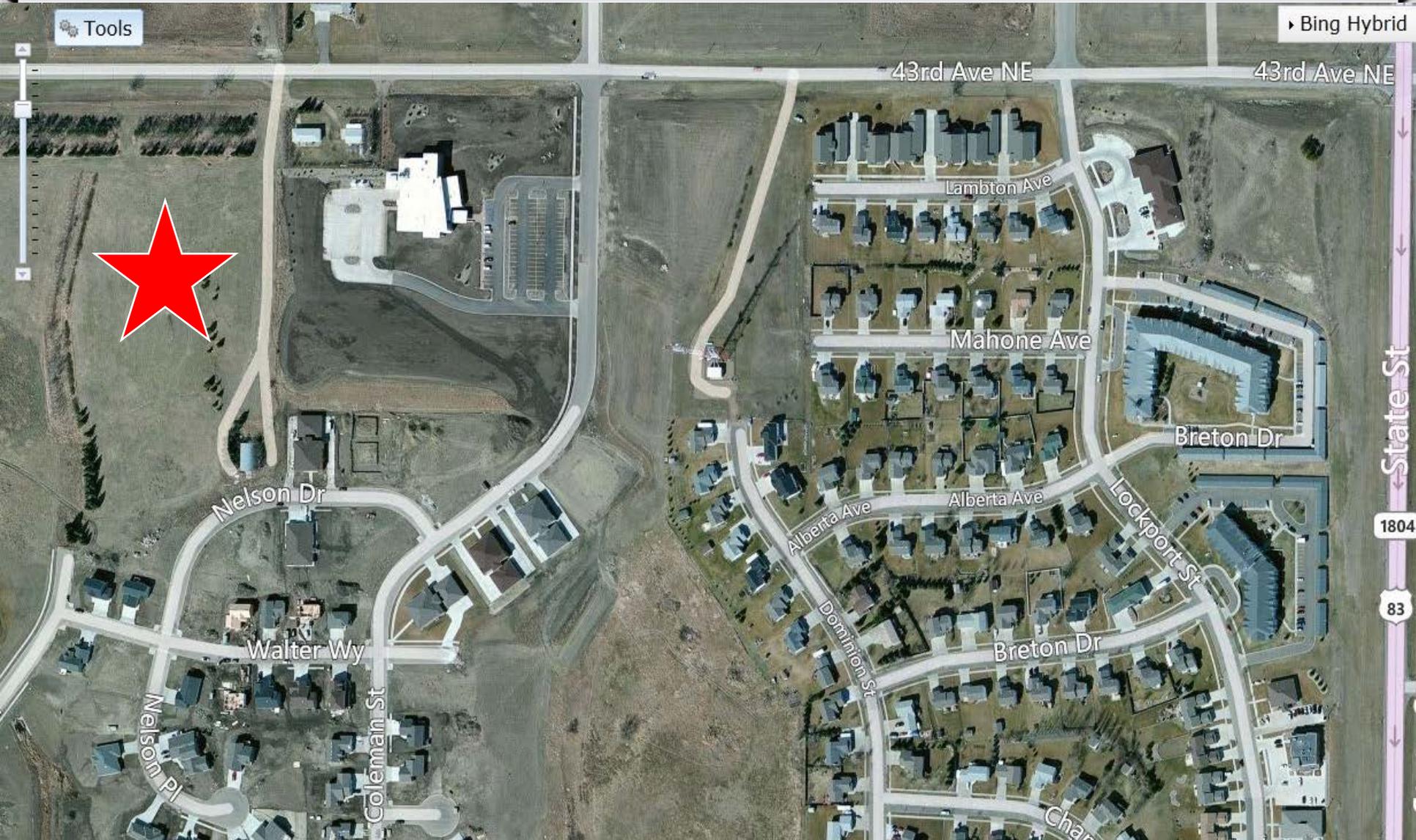
OMB Study of Consolidation of Exempted Agencies

- Appropriated \$200,000, or so much of the sum as may be necessary, to the Office of Management and Budget for the
- purpose of contracting with a private consultant to conduct an information technology relocation and consolidation study of information technology equipment operated by the attorney general and by agencies that have previously been exempted by ITD / OMB.



ITD Building Update







**Jeff Quast, Program
Administrator**

**Enterprise
Architecture**





Enterprise Architecture

- What is Enterprise Architecture?
 - Enterprise Architecture (EA) is a collaborative, consensus building alliance among agencies for aligning technology with business goals and for designing, implementing, and maintaining the underlying infrastructure to support information sharing and resource optimization.
 - Established in NDGOV in 2002-2003
 - During the past year, 141 people from 26 agencies were involved



Enterprise Architecture

- Why do we have Enterprise Architecture?

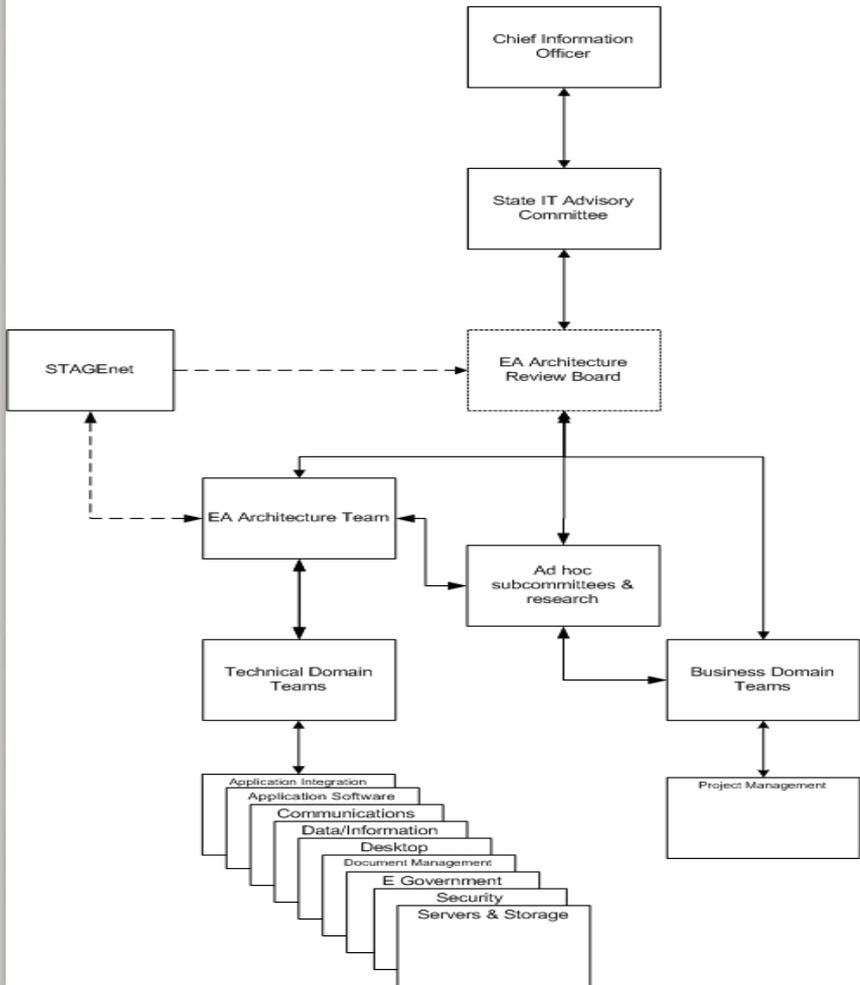
- NDCC 54-59-09.

Information technology standards. Based on information from state agencies and institutions, the department and the office of management and budget shall develop statewide information technology policies, standards, and guidelines. The policies, standards, and guidelines must recognize the uniqueness of certain agencies and state which agencies are included or exempted from the policies, standards, and guidelines. The policies, standards, and guidelines must be reviewed by the state information technology advisory committee. Each executive branch state agency and institution, excluding the institutions under the control of the board of higher education, shall comply with the policies and standards developed by the department and the office of management and budget unless the chief information officer exempts an agency from the policies, standards, and guidelines to address situations unique to that agency. Unless an exemption is granted by the chief information officer, each entity receiving wide area network services provided by the department shall comply with the policies and standards developed by the department with respect to access to or use of wide area network services.



Enterprise Architecture

Figure 1. Enterprise Architecture Governance Diagram



How do we do EA?

- Chief Information Officer (CIO)
- State Information Technology Advisory Committee (SITAC)
- Architecture Review Board (ARB)
- Architecture Team (AT)
- Domain Teams
- Ad hoc Study Teams
- The Office of Management and Budget provides input to the CIO and is a member of SITAC



Enterprise Architecture Standards

- How do we develop standards?
 - A Domain Team drafts a new standard or updates an existing standard (each domain team owns standards)
 - The new or updated standard is reviewed by the AT to ensure compliance with other technical domains
 - The new or updated standard is reviewed by the ARB to ensure alignment with the overall mission and purpose of EA, and to provide a recommendation to the CIO
 - The new or updated standard is approved by the CIO
 - The new or updated standard is reviewed by SITAC to ensure alignment with state/agency goals and objectives



Enterprise Architecture Standards

- How many standards do we have?
 - <http://www.nd.gov/itd/standards/ea>
 - Currently 35 standards owned by 9 domain teams
 - We are in the process of reviewing every standard and adding a “Reviewed” date
- Exemptions to Standards (Waivers)
 - Agencies can submit a “Request for Exemption”
 - The request is reviewed by the domain team, AT and ARB
 - The ARB approves or denies the request
 - The CIO has the final determination on approval or denial
 - Approved waivers have an end date or end of life



Enterprise Architecture Standards

- Sample EA Standards
 - Anti-virus/Malware -
<http://www.nd.gov/itd/standards/security/anti-virusmalware>
 - Project Management for Large Information Technology Projects-
<http://www.nd.gov/itd/standards/project-management/project-management-large-information-technology-projects>
 - Public On-Line Services User Authentication-
<http://www.nd.gov/itd/standards/application-software/public-line-services-user-authentication>



Enterprise Architecture

- Where is EA going?
 - We are drafting "EA 2.0"
 - Emphasis on streamlining of processes
 - More online collaboration, fewer meetings
 - Less Hierarchy
 - No Domain Teams, more Ad hoc teams and user groups
 - Four distinct Architectures
 - Application
 - Technical
 - Data
 - Business
 - Expecting to transition by the end of 2013



Lisa Feldner





Statewide Longitudinal Data System (SLDS)

- Overall SLDS Project
 - Status: Green 19.7% under budget and on schedule
 - Completing state fiscal stabilization funds (SFSF) reports that are due in December 2013
 - Bringing in post secondary data to satisfy requirements for SFSF, Succeed 2020, and Pathways to Student Success
 - Adding post secondary grant work to project scope and schedule



Statewide Longitudinal Data System (SLDS)

- K-12 SLDS Project
 - Status: Green 14.7% under budget and 2.5% behind schedule
 - Immunization reports removed
 - EduTech is beginning to incorporate SLDS training for K-12 schools. Teacher training will be offered in addition to the administrator training sessions.
 - Work beginning on financial reports
 - Continued work on data dictionary



Statewide Longitudinal Data System (SLDS)

- e-Transcript Project
 - Status: Green 0.6% under budget and 7% behind schedule
 - Training is ramped up for fall by EduTech staff
 - Discussions underway with NDUS to load transcript data directly into ConnectND Campus Solutions so it does not have to be manually entered
 - Students can begin using e-Transcript this fall



Statewide Longitudinal Data System (SLDS)

Thank You!

Questions?



**Darin King
Director, ND
Educational
Technology Council**





North Dakota Educational Technology Council

- The mission of the North Dakota Educational Technology Council is to develop technology systems and coordinate their use to enhance and support the educational opportunities for elementary and secondary education as cited in NDDC 54-59.



ND ETC Results Policies

- System Improvement
- System Coordination
- Distance Education
- Professional Development
- System Integrity, Stability and Security



2013-2015 ND ETC Initiatives

- Continued Support of ND SLDS Both Technically and Professionally
- Coordinated and Approved Technology Plans for all K12 Schools
- Provide Leadership for New and Existing Technical Systems to Support K12 Schools



2013-2015 ND ETC Initiatives

- Classroom Transformation Grants to Schools
 - \$330,000
- Technology Readiness Grants to Schools
 - \$200,000
- Applied for New RUS Grant to Upgrade K12 Video Classrooms
 - \$266,000 General Funds- \$350,000 Federal Grant Funding



EduTech

- PowerSchool Team supporting state reporting, SLDS and eTranscript in addition to implementation, training and support for schools
- Submitted RUS grant to upgrade 30 codecs in 8 ITV consortiums
- Assisting schools in the preparation for online state assessments based on Common Core Standards



EduTech

- Providing dozens of back to school professional development sessions for educators
- Transitioned from desktop security to network security for all schools
- Preparing for deployment of Office 365 to provide schools with online collaboration systems
- Working with DPI, ITD and others to centralize K12 customer support



ND Center for Distance Education

- Key Objectives
 - Reduces Cost of Courses
 - Increase ND Enrollments
 - Increase Electives and Advanced Courses in Small Schools
 - Establish Partnerships
 - Increase Performance of CDE



Results of ND CDE Key Objectives

- Reduce Cost of Courses
 - From \$195-\$400 in 2009/11 to \$50-\$100 in 2013/15
- Increase Enrollment of ND Students
 - Increase of 300% since 2010
- Increase Electives and Advanced Courses in Small Schools
 - 72 new courses, 20 Ag courses



Results of ND CDE Key Objectives

- Establish Partnerships
 - 9 out of state curriculum providers
 - Established a system of supply chain management
- Increase performance of ND CDE
 - Achieved 10,000 error free enrollments 2011-2013
 - Course completion rates have increased from 50% in 2010 to 94% in 2013
 - Provided services to 172 of North Dakota's 185 schools in 2012/13



Sheldon Wolf
Health Information
Technology Director





Information Flow



Current Flow



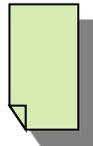
Fax



Mail



Patient



Not Available



Information Free Flowing

Future Flow



Electronic Health Records



Health Information Network



Secure Exchange of Information



Health Information Exchange

Why is Health Information Exchange Important?

The ability to exchange health information electronically is the foundation of efforts to improve health care quality and safety. HIE can provide:

- The **connecting point** for an organized, standardized process of data exchange across statewide, regional, and local initiatives
- The means to **reduce duplication of services** (resulting in lower health care costs)
- The means to **reduce operational costs** by automating many administrative tasks
- **Governance and management** of the data exchange process



Health IT Advisory Committee (HITAC)

*Chair-**Lynette Dickson**, Associate Director *CRH, UND School of Medicine and Health Sciences*

* Vice Chair - **Dan Kelly**, CEO *McKenzie County Healthcare System*

Lisa Feldner, CIO *State of North Dakota, North Dakota University System*

***Barb Groutt**, CEO *North Dakota Healthcare Review*

Courtney Koebele, Director of Advocacy *North Dakota Medical Association*

***Caryn Hewitt**, CIO *Sanford Health System, Fargo*

Dave Molmen, CEO *Altru Health System/Chair Hospital Association*

Janis Cheney, Executive Director *AARP*

Jennifer Witham, IT Director *North Dakota Department of Human Services*

Jerry Jurena, President *North Dakota Healthcare Association*

Jim Long, CEO *West River Health Systems*

Laurie Peters, RHIT, Past-President *North Dakota Health Information Management Assoc.*

Lisa Clute, Executive Officer *First District Health*

***Tony Tardugno**, CIO *BCBS of North Dakota*

Mike Ressler, Interim CIO, *State of North Dakota*

Neil Frame, Operations Director *Metro Area Ambulance*

Representative **Robin Weisz** *North Dakota Representative*

Senator **Judy Lee** *North Dakota Legislature*

Shelly Peterson, President *Long-term Care Association*

Tami Wahl, Sr. Policy Advisor-*HHS Governor's Office*

Darin Meschke, *North Dakota Department of Health*

Todd Bortke, Director of Information Systems, *St. Alexius Medical Center*

**Executive Committee*



North Dakota Health Information Technology

Quality Healthcare for all North Dakotans - Anywhere, Anytime

MISSION

Advance the adoption and use of technology to exchange health information and improve healthcare quality, patient safety and overall efficiency of healthcare and public health services in North Dakota.

VISION

*Quality Healthcare for all
North Dakotans – Anywhere, Anytime.*

Website: www.healthit.nd.gov and www.ndhin.org



Vendor Update



- Mutually terminated the contract with Axolotl/Optum in February
- Released a request for proposals in February
- After the evaluation process, contract was awarded to Orion Health in March
- Contract was negotiated and signed April 22
- Statement of Work was negotiated and signed May 6
- Project Plan was developed and accepted May 8
- Direct Infrastructure is installed/configured and operational



Orion Health HIE clients North America





Push Services





NDHIN Direct Secure Messaging



Home | Feedback | Help

1 (joe.martin) ▾

Logout



- ▼ PATIENTS
 - Patient Search
 - Inpatient Search
 - Outpatient Search
 - Recent Patients
 - Lists
 - Medical Templates
 - Patient Search

▶ REPORTS

▶ LISTS

▼ DIRECT SECURE MESSAGING

Inbox

- Drafts
- Sent
- Trash

▶ MESSAGING

▶ TASK LIST

▶ PATIENT PORTAL

▶ NOTIFICATIONS

▶ COMMON

▶ LINKS

Search Inbox

Sort recent at top ▾

dr.stevens@direct.demo 28-Feb-2013
Review of Cardinal's record

alice.bush@direct... 21-Jan-2013
Some Attachments

alice.bush@direct.de... 21-Jan-2013
Re: Fwd: Hey dude, how's going?

Some Attachments

★ alice.bush@direct.demo to joe.martin@direct.demo

Mark as Unread ⓘ 21-Jan-2013 17:50

Some Attachments

⚠ If you download an attachment you are responsible for using appropriate safeguards to prevent improper use and/or disclosure of any personal identifying information (PII) including patient protected health information (PHI). You also agree not to use or disclose PII or PHI contained in a downloaded attachment other than as permitted or required by applicable law.

📎 xdm_2.zip (XDM File) 39.5 kB

TEST, Charles Born 31-Oct-1972 Gender Male

Address 3 CCD Street, Richmond VA 23219 Phone +1-703-555-2323

Continuity of Care Document / CHARLIE_TEST_CCD_v3_0.XML (CCD Document) Download ▾

No patient information available

📎 1043_bppc.xml (text/plain;charset="UTF-8") 3.6 kB Download



Pull (Query based) Services

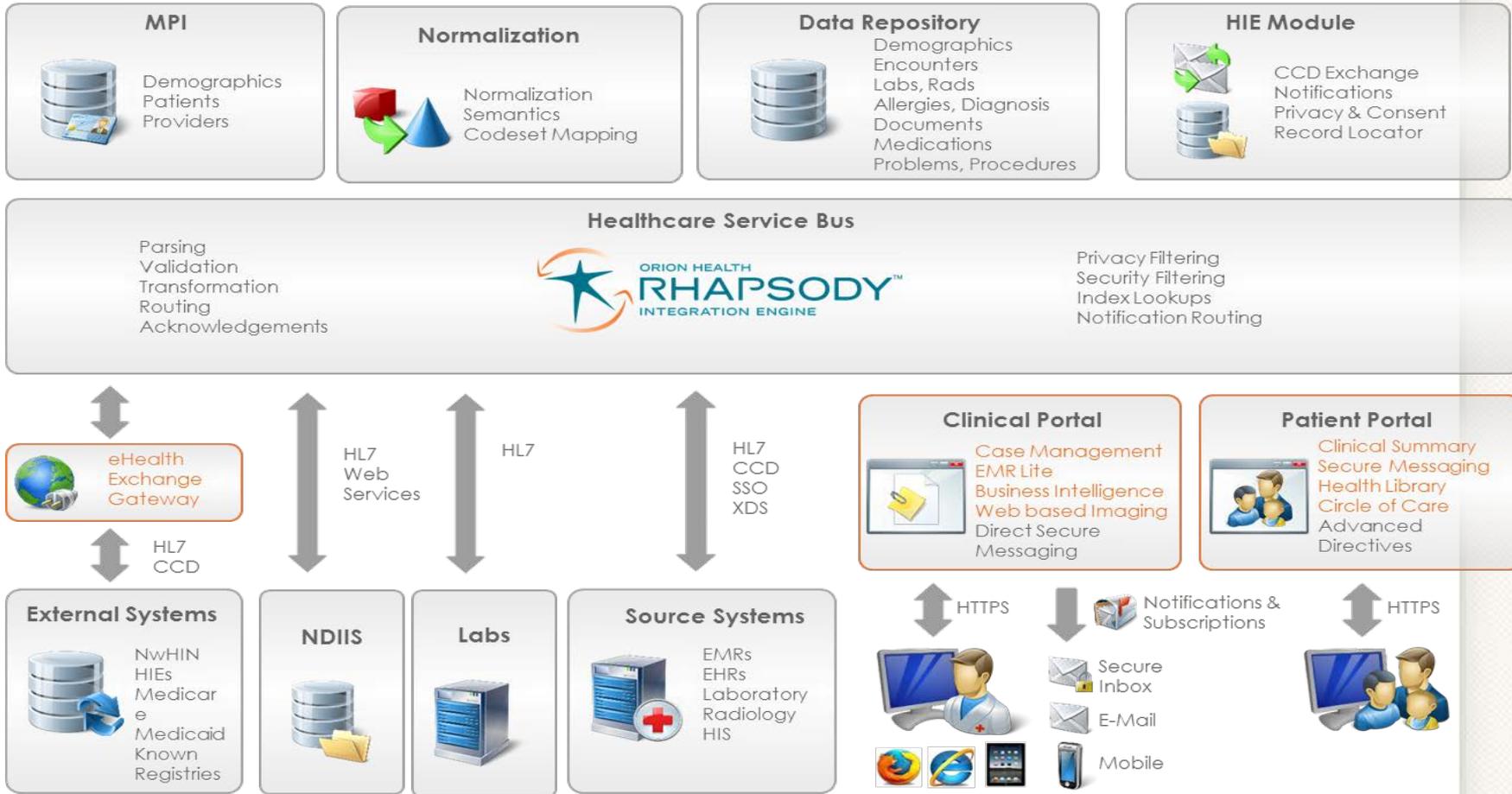


X-Ray





Integrated Health Data Architecture





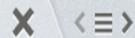
NDHIN Clinical Portal



- Comprehensive View of Patient Information
- Customizable User Interface
- Notifications/Subscriptions
- Timeline View
- Examples of Available Data
 - Lab Results
 - Problems
 - Allergies and Medications



CARDINAL, John Q DOB 12-Nov-1949 (63y) GENDER Male MRN 84568-4564



- Patient Summary
- Problem List
- Patient Task List
- Orders
- Patient Portal
- Timeline
- Imaging
- Privacy Details
- Relationship Details
- Privacy Log
- External Records
- More...

i Some items are not shown due to privacy restrictions. Break Privacy Seal

Document View

Showing All Mark All As Read
Group By Category Sort By Date

- Patient Summary**
- Acute Care Flow Sheet
- Add New Document
 - Clinical Content (1)
 - Clinical Documents (12)
 - Laboratory (2 / 49)**
 - Microbiology (7)
 - Outstanding Orders (3)
 - Radiology (12)
 - Tasks (17 / 21)

Demographics

CARDINAL, John Q Male , 84568-4564

Date of Birth 12 Nov 1949 (63 years)
 Address 3437 Masonic Drive Alexandria
 Phone (318) 443-5628
 Identifiers 84568-4564(MRN) 106532R(OHM)
 Primary Care Provider WOOD, Brandon R
 1214 Coolidge Street Lafayette
 (318) 440-3778
 Emergency Contact Jargon, Carol (Sister)
 (408) 455-2112

Allergies

Allergies

| Problem | Type | Onset | Status | Source | Last Reviewed | |
|-------------------------------|-----------------------|----------------------|--------|-------------------|---------------|---|
| Bee Stings | Environmental Allergy | Since age 6 Year(s) | Active | Patient | - | |
| Iodine | Drug Allergy | Since childhood | Active | Healthcare Record | 1 day ago | - |
| Penicillin allergy (91936005) | Drug Allergy | Since date 31-Jan-96 | Active | Patient | 2 months ago | - |

Diagnosis / Problems

Diagnosis / Problems

| Problem | Type | Onset | Status | Source | Last Reviewed | | Severity |
|---------------|-------------------|-------------------|--------|---------------------|---------------|--|--------------------|
| schizophrenia | Medical Diagnosis | At age 16 Year(s) | Active | Healthcare Provider | | | Moderate to Severe |



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Group By [Category](#) Sort By [Date](#)

- [Patient Summary](#)**
- Acute Care Flow Sheet
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- ▶ [Clinical Content](#) (1)
- ▶ [Clinical Documents](#) (12)
- ▶ [Laboratory](#) (2 / 49)
- ▶ [Microbiology](#) (7)
- ▶ [Outstanding Orders](#) (3)
- ▶ [Radiology](#) (12)
- ▶ [Tasks](#) (17 / 21)

Medication History

| Medication | Dose | Sig | Route | Start | Stop | Prescribed By | Status |
|----------------------|-------|--------------------------|-------|-----------|-----------|---------------------|-----------|
| GLIPIZIDE 10MG TAB | 10mg | Take once a day | Oral | 01-May-12 | | Dr Francis MCNAMARA | Dispensed |
| COUMADIN | 6mg | Take once a day | Oral | 16-Jul-10 | | Dr Joe MARTIN | Dispensed |
| FRUSEMIDE 40MG TAB | 40mg | Take after breakfast | Oral | 20-Apr-06 | | Dr Joe MARTIN | Dispensed |
| CILAZAPRIL 2.5MG TAB | 2.5mg | As directed by physician | Oral | 19-Apr-06 | | Dr Joe MARTIN | Dispensed |
| ASPRIN 100MG TAB | 100mg | Take after meal | Oral | 18-Apr-06 | 16-Jul-10 | Dr Joe MARTIN | Dispensed |
| METOPROLOL TAB | 50mg | Take as directed | Oral | 17-Apr-06 | | Dr Elizabeth SAMSON | Dispensed |
| GLICLAZIDE 80MG TAB | 80mg | Twice a day after meals | Oral | 16-Apr-06 | 02-Apr-12 | Dr Elizabeth SAMSON | Dispensed |

Encounter History

| Admission | Discharge | Admit Reason | Discharge Diagnosis | Visit Type | Specialty | Facility | Provider |
|-------------|-------------|---------------------|---------------------|------------|---------------|----------------------------|---------------------|
| 06-Mar-2013 | 06-Mar-2013 | Cardiology Check | Stable Angina | Outpatient | Cardiology | Lafayette Clinic | Dr Francis MCNAMARA |
| 01-May-2012 | 01-May-2012 | Scheduled follow up | Diabetes | Outpatient | Endocrinology | Lafayette Clinic | Dr Francis MCNAMARA |
| 16-Jul-2010 | 19-Jul-2010 | Chest Pain | Stable Angina | Inpatient | Cardiology | Central Louisiana Hospital | Dr Joe MARTIN |
| 31-Jan-2008 | 31-Jan-2008 | Diabetes | Diabetes | Outpatient | Endocrinology | Lafayette Clinic | Dr Leroy HOOD |
| 12-Nov-2007 | 12-Nov-2007 | Diabetes | Diabetes | Outpatient | Endocrinology | Lafayette Clinic | Dr Leroy HOOD |



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Advanced Medical Directive (4 weeks ago)

Print | Send | Update

Page: 1 of 1 Automatic Zoom

Document View

Showing All [Mark All As Read](#)

Group By [Category](#) Sort By [Date](#)

- Acute Care Flow Sheet
- Add New Document
- Clinical Content (1)
- Clinical Documents (12)
 - Advanced Directive (1)
 - 19-Feb-2013 Advanced Med
 - Care Plans (1)
 - Clinical Document (4)
 - EKG (3)
 - Radiology (1)
 - Referrals (1)
 - Respiratory (1)
- Laboratory (2 / 49)
 - Blood Gases (2)
 - Chemistry (16)
 - 03-Mar-2013 Creatinine (1)
 - 01-May-2012 ESR (1) Dr Jo
 - 05-Mar-2012 INR (10) Dr Jo

Advanced Medical Directive

| | |
|-------------|---|
| Source date | 19-Feb-2013 |
| Category | Advanced Directive |
| Subcategory | Advanced Directive |
| Service | Family Medicine |
| Author | Francis MCNAMARA |
| Mark As | Read Unread |

HEALTH CARE DIRECTIVE – PAGE 1 OF 14

INTRODUCTION

I, JOHN CARDINAL
(name)
3437 MASONIC DRIVE, ALEXANDRIA, LA 71301
(address)

understand this document allows me to do ONE OR ALL of the following:

PART I: Name another person (called a health care agent) to make health care decisions for me if I am unable to make and communicate health care decisions for myself. My health care agent must make health care



Imaging



Home | Feedback | Help

1 (joe.martin) Logout



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- External Records
- More...

Some items are not shown due to privacy restrictions. Break Privacy Seal

CARDINAL, JOHN | 84568-4564 Male Nov 12, 1949

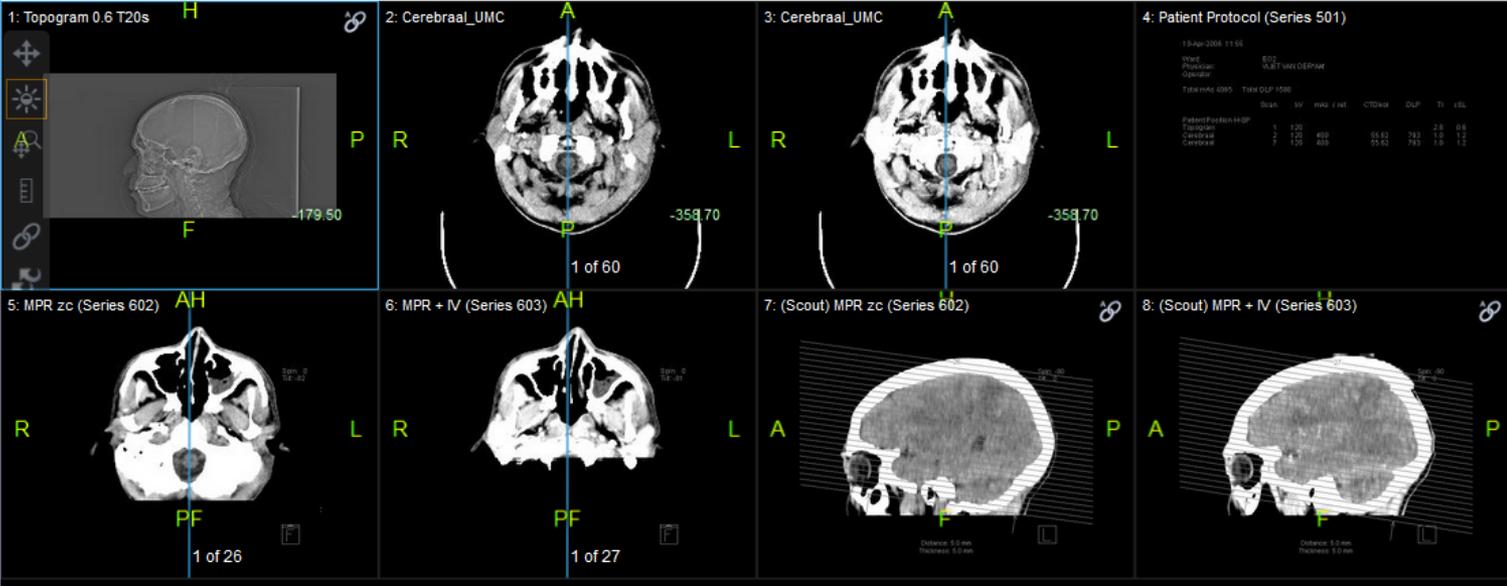
CT cerebraal_mc kliniek CCHCERK
Apr 19, 2006 11:55 AM

Document View

Showing All Mark All As Read
Group By Category Sort By Date

Patient Summary

- Acute Care Flow Sheet
- Add New Document
- Clinical Content (1)
- Clinical Documents (12)
- Laboratory (2 / 49)
- Microbiology (7)
- Outstanding Orders (3)
- Radiology (12)
 - CAT Scan (7)
 - 23-Sep-2008 CHEST FOR I
 - 20-Apr-2006 CT cerebraal**
 - 19-Apr-2006 Chest CT Dr T
 - 25-Jan-2006 CT Brain Mary
 - 04-May-2005 Chest CT Dr T
 - 22-Mar-2005 Cranial CT Sc
 - 09-Jan-2005 Abdominal-Th
 - Computed Radiography (1)
 - 06-Oct-2000 CHEST AP P





Audit Log



Sarah Secure (NADEMO2)

Sarah Secure (NADEMO2) Clinical Log 21-Jun, 12:16

ORION HEALTH sarah.se...
 Logout
 Patients
 Common
 Messaging
 Links
 Monitoring
 Clinical Log
 Privacy Log
 User Search

Clinical Log

Select a favorite search

User ID: Patient ID:
 Patient ID Type: Application: Update list
 User Events:

- User Authentication
- Login
- Logout
- Account Status Change

 Concerto Events:

- Open Application
- Open Document
- Context Change

 Other Events:

- Assign Privacy Policy
- Authenticated Login
- Background task
- Configuration
- Configure Application/Mappings Agent Passwords

 Date: From: To:
 Session: Result: All Success Fail

Search Reset Enter a new favorite search +

| Time | User ID | Event Type | Message | Patient ID | Patient Name | ID Type |
|--------------|---------|------------------|--|------------|---------------|----------------|
| 21 Jun 12:10 | jmartin | Open Application | User Messaging, New Message | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:10 | jmartin | Open Application | HIE, View CCD | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:10 | jmartin | Open Document | Continuity of Care Document | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:10 | jmartin | Open Application | HIE, View CCD | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Orion - Allergies & Alerts, Allergies & Alerts | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Orion - Dynamic Patient Summary, Patient Summary | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Orion - Encounter History, Encounter History | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Demo - Clinical Data, Key Clinical Information | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Orion - Medication History, Medication History | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Orion - Patient Search & Demographics, Demographics - Future | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Demo - Clinical Data, Active Problems | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:09 | jmartin | Open Application | Orion - Dynamic Patient Summary, Dynamic Patient Summary | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:08 | jmartin | Open Application | User Messaging, Received Messages | 84568-4564 | Cardinal John | Patient.Id.MRN |
| 21 Jun 12:08 | jmartin | Open Application | Orion - Allergies & Alerts, Allergies & Alerts | 84568-4564 | Cardinal John | Patient.Id.MRN |

Español

ORION HEALTH



NDHIN Patient Portal



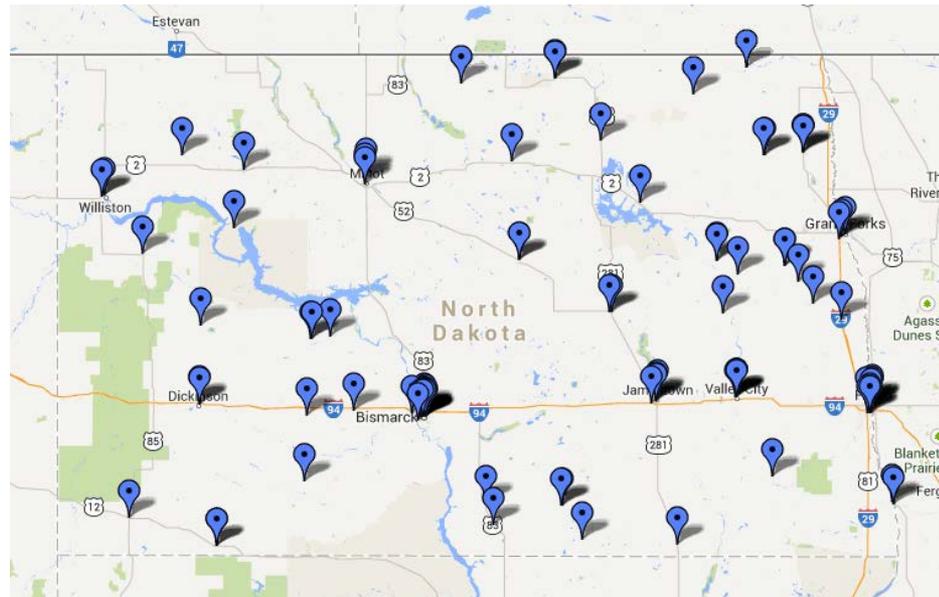
- Provide patients secure access to their current medical records from all participating sources
- Improve communication between patients and providers
- Upload relevant documents (such as Advance Directives)
 - The NDHIN Clinical Portal will be the statewide Advance Directive Repository
- View who has accessed their Clinical Portal record
- Providers can:
 - Electronically delivering results
 - Confirm/Remind upcoming appointments
 - Provide patient reference information



NDHIN

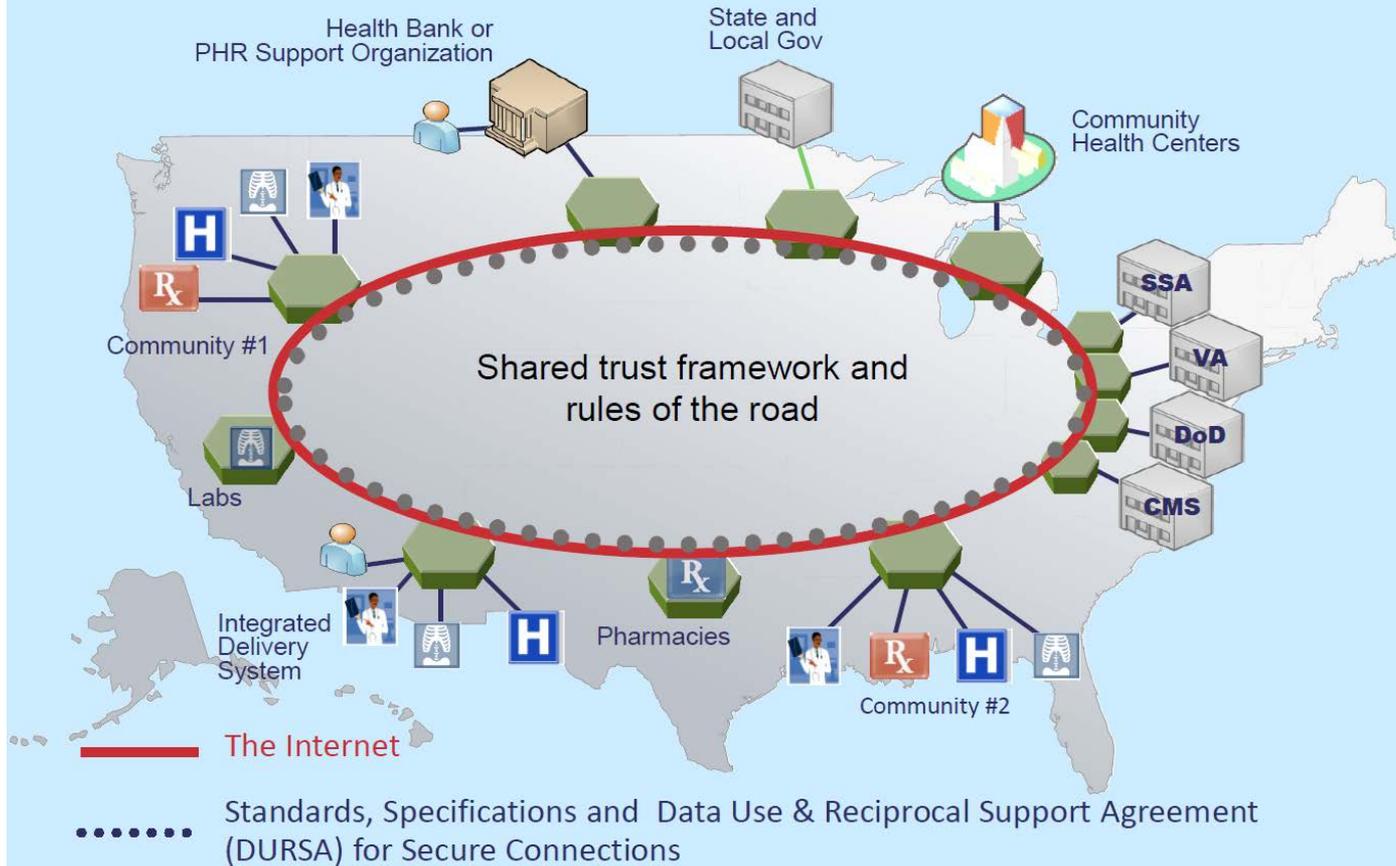


- 95 Participation Agreements
- <http://www.ndhin.org/providers/participating-providers>



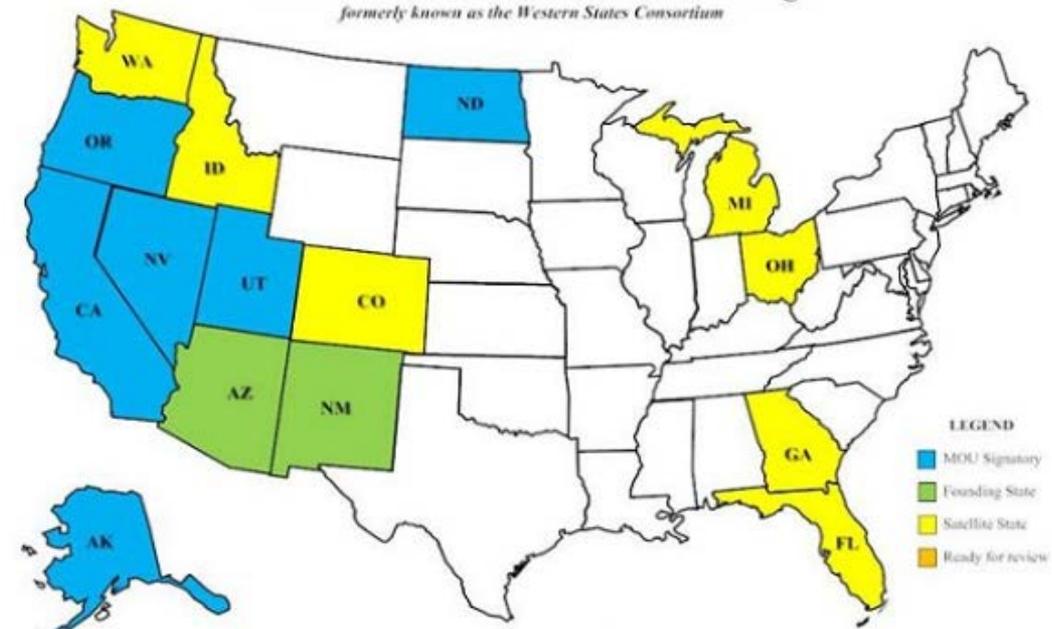


eHealth Exchange





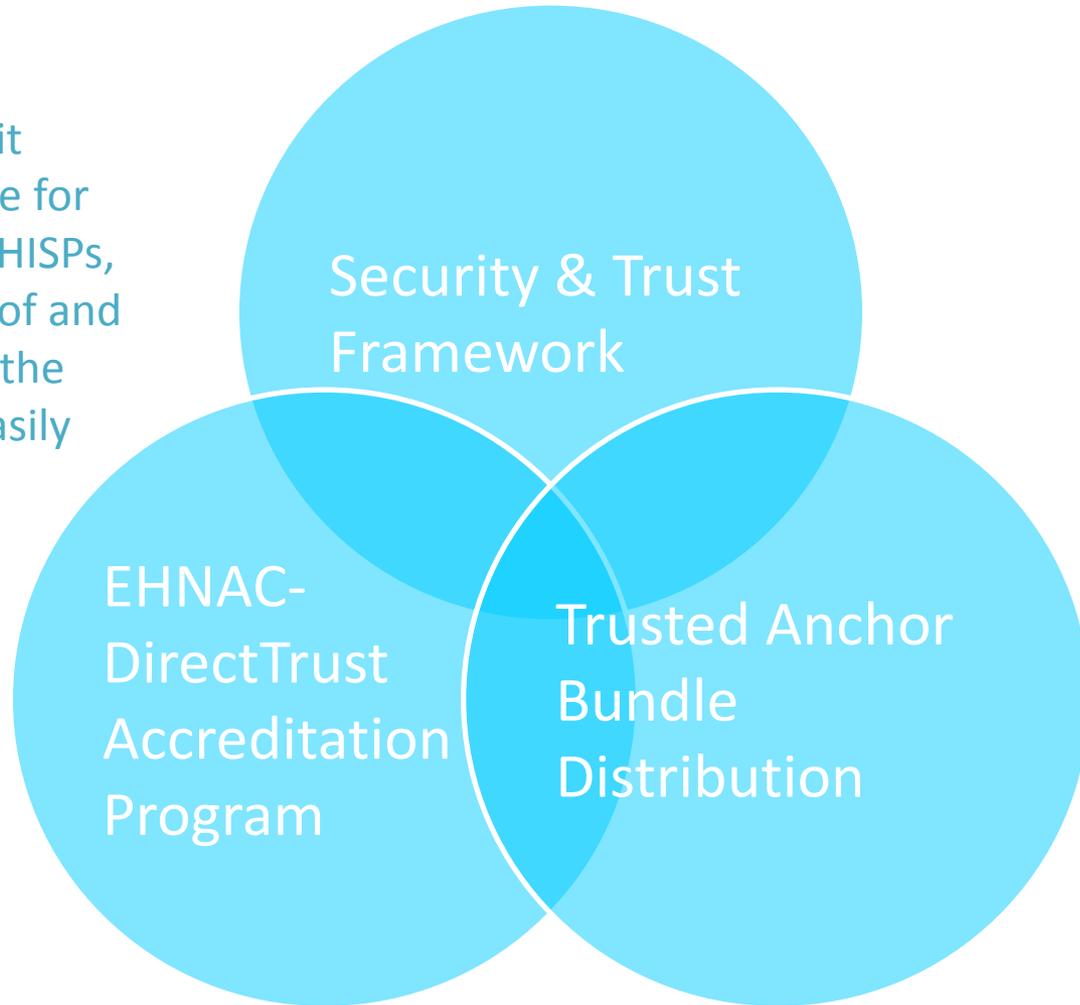
National Association for Trusted Exchange *formerly known as the Western States Consortium*



July 16, 2013
North Dakota becomes
7th State to join NATE

- LEGEND
- MOU Signatory
 - Founding State
 - Satellite State
 - Ready for review

The goal is to make it easy and inexpensive for trusted agents, e.g. HISPs, to voluntarily know of and follow the “rules of the Road,” while also easily and inexpensively knowing who else is following them.





Connectivity Grant Program



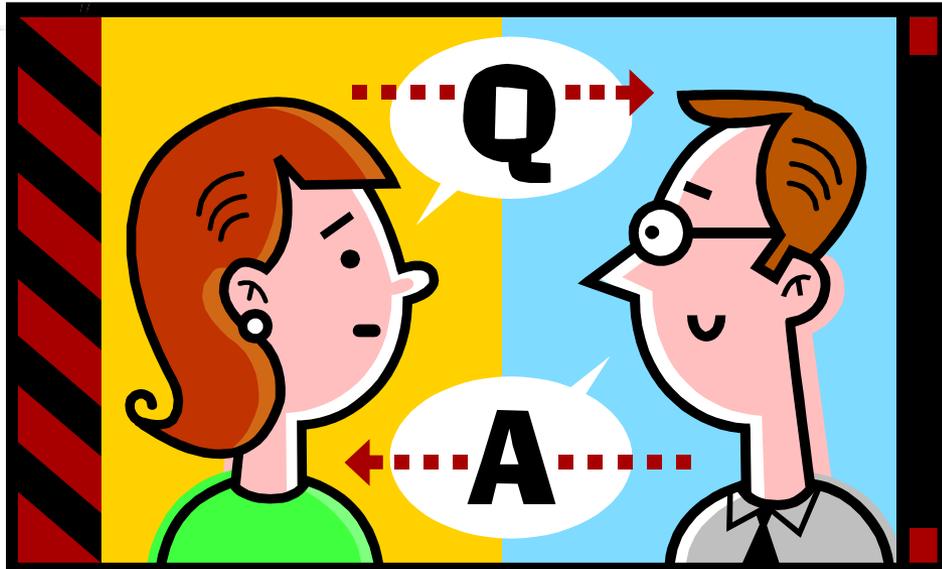
- Purpose: Provide funds to providers to connect their electronic health record system to the NDHIN
- Funds Available - 1 to 1.3 Million Dollars
 - Hospitals - \$30,000
 - Clinics and Other Providers - \$10,000
 - Pharmacies - \$5,000



Summary - Benefits



- Access to Patient Information
 - Quality of care and patient safety
 - Patient education and involvement in health care
- Public Health Reporting
 - Bi-Directional Interface to ND Immunization Registry
 - Electronic Lab Reporting
 - Syndromic Surveillance
- Statewide Advance Directive Repository
- eHealth Exchange Connectivity
 - Other States & Federal Agencies
- Image Exchange
- Tool to meet meaningful use



www.ndhin.org
www.healthit.nd.gov

shwolf@nd.gov





**Duane Schell,
Director
Network Services**





VoIP in State Government

- VoIP used extensive within internal government network
 - Nearly 10 years
- Carrier Connections continue as traditional circuits
- Finalizing LD Contract for VoIP services with Carrier



Traditional (TDM) Circuit

Carrier

VoIP



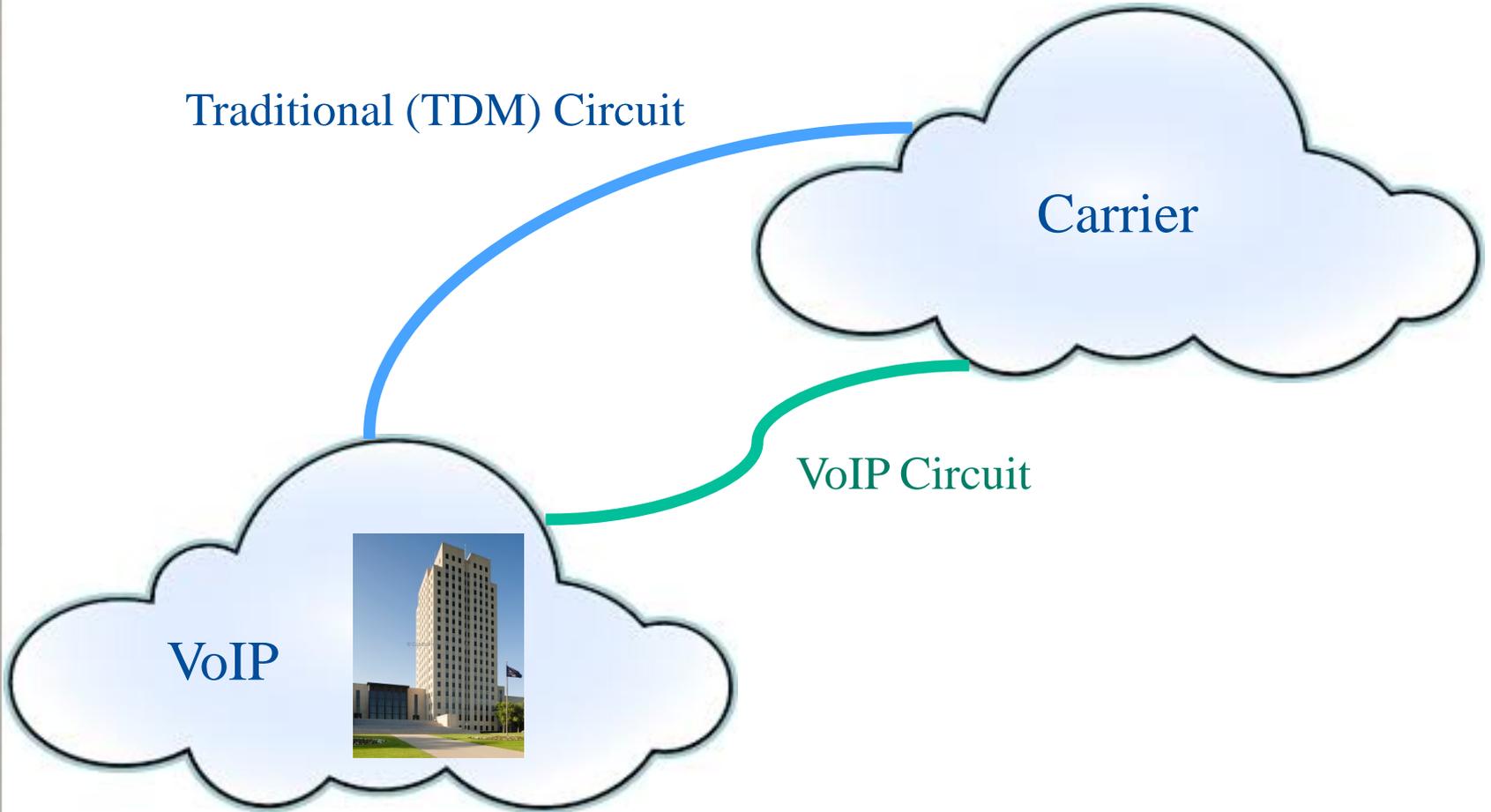


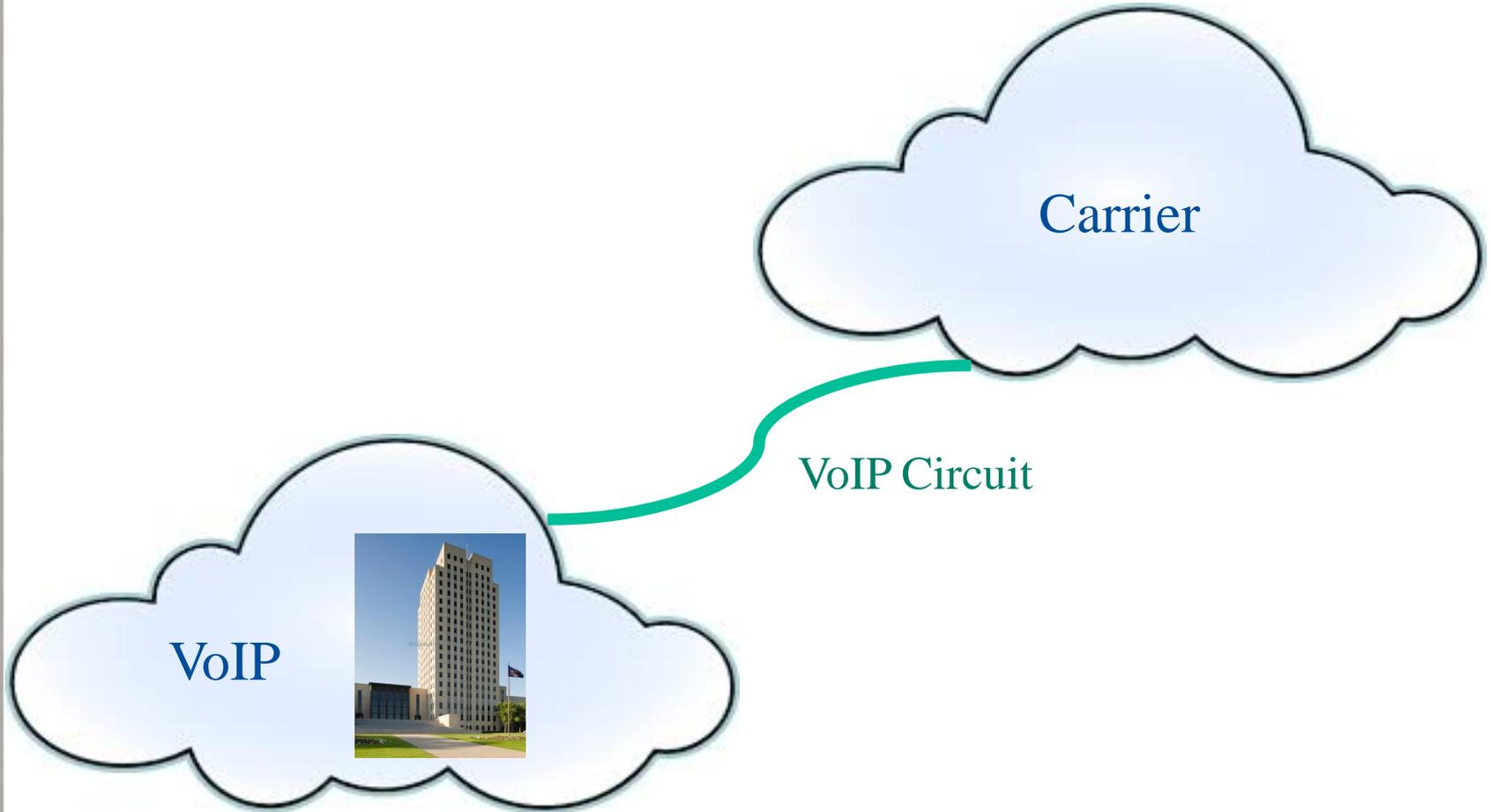
Traditional (TDM) Circuit

Carrier

VoIP Circuit

VoIP







THANK YOU!!!