

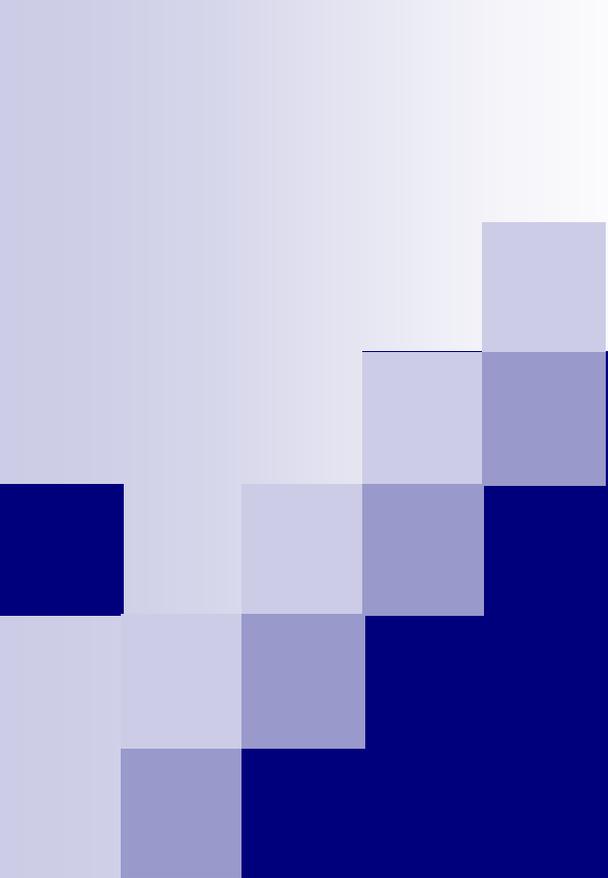


# BCA Vendor Conference

October 16, 2013

# Agenda

- DVS Data via MyBCA
- Single Sign-on Expansion Project
- NIEM 3.0
- BCA Deprecation Schedule
- Changes to SOA Approach
- Statute Service Web Service Update
- Data Center Move Impact on Vendors
- New Crime Reporting System
- New Criminal History System
- New Bid Submission System
- eCitations / Incident Referral
- Vendor Adaptor Validation



# DVS Data via MyBCA

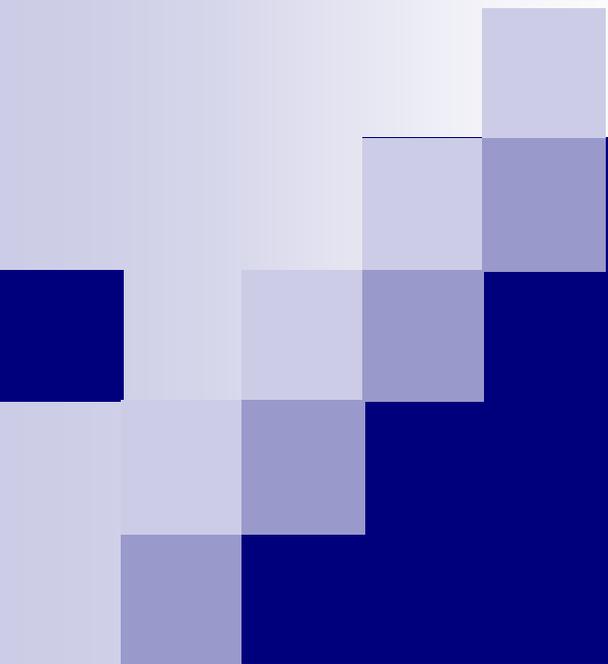
Robert Paul Johnson  
MNJIS Deputy Director

# DVS Data via MyBCA

- Functionality of LE Support Website will be moved to the BCA
  - Search Drivers License
  - Search Driver Photo(s)
  - Search Vehicle
  - Search Disability Certificate
  - Search Dealer
  - Search Purged Vehicles
  - Search Hotlist
  - Search Partial Plate
- Access to CRASH

# DVS Data via MyBCA

- Agencies must have Master JPA
- Agencies will be required to connect via the CJDN
- Mobiles devices will require Advanced Authentication
- All users will need a SSO User ID
- Agencies will need DVS Certification through BCA
- All queries and responses will be in Archive Services
- Archive Services data will feed into BCA Analytics



# SSO Security Expansion

# SSO Security Expansion

- Future SSO Applications
  - POR
  - MRAP
  - CIBRS
  - LEMS
- Expanded Security for ISS accessing LEMS Services
- Mobile devices with access to LEMS
- Password Self-Service
- Expanded Security for accessing data via Services

# Questions?

# Thank you!

For More Information:

**Robert Paul Johnson**

**robert.p.johnson@state.mn.us**

**[bca.dps.mn.gov](http://bca.dps.mn.gov)**



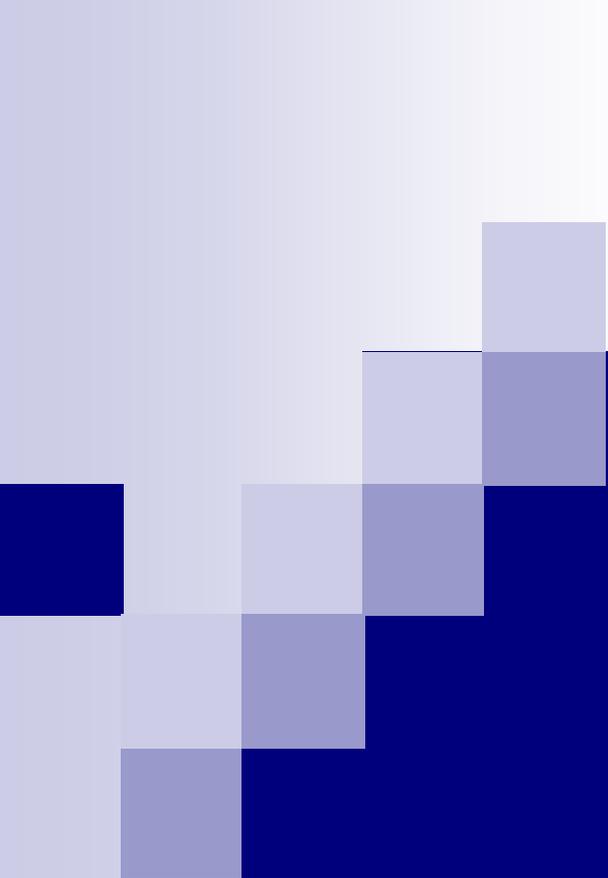
# NIEM 3.0 and the BCA Deprecation Schedule

October 16, 2013

Greg Schiller

# Agenda

- Migrating to NIEM 3.0
- BCA Deprecation Schedule



# NIEM 3.0

# NIEM 3.0

- What is NIEM?
  - The **National Information Exchange Model (NIEM)** is an XML-based framework used by the BCA to exchange data with its partners.
- Most of our current xml data exchanges are based on NIEM 1.0.
- The latest version of NIEM is scheduled for a mid-October 2013 release.

# Migration to NIEM 3.0

- What does this mean to our partners?
  - NIEM 3.0 will become the standard for new xml exchange schemas.
  - Existing schemas will continue to be supported.

# What will change?

- In the future, BCA schemas will adhere closer to national standards.
- The BCA will make extensive use of substitution groups.
- The BCA will extend standard NIEM objects by using augmentation points.

# What is a substitution group?

- A substitution group is a schema technique that allows elements to be substituted for each other.
- Example: both fragments below are valid

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<nc:Person>
```

```
  <nc:PersonSexCode>M</nc:PersonSexCode>
```

```
</nc:Person>
```

```
<nc:Person>
```

```
  <nc:PersonSexText>Male</nc:PersonSexText>
```

```
</nc:Person>
```

# Here is how it works:

```

<xs:complexType name="PersonType">
    <xs:complexContent>
        <xs:extension base="structures:ObjectType">
            <xs:sequence>
<xs:element ref="nc:PersonSex" minOccurs="0"
maxOccurs="unbounded"/>

<xs:element ref="nc:PersonAugmentationPoint" minOccurs="0"
maxOccurs="unbounded"/>
            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

## Note: PersonSex is defined as abstract.

```
<xs:element name="PersonSex" abstract="true">
  </xs:element>
```

## Note: PersonSexText is a member of PersonSex substitution group.

```
<xs:element name="PersonSexText" type="nc:TextType"
  substitutionGroup="nc:PersonSex">
  <xs:annotation>
    <xs:documentation>A gender or sex of a
  person.</xs:documentation>
  </xs:annotation>
</xs:element>
```

# Augmentation Points

- NIEM has added placeholders called augmentation points to most commonly used objects.
- These substitution groups are used to add data (or augment) standard objects.

# Here is how it works:

```

<xs:complexType name="PersonType">
    <xs:complexContent>
        <xs:extension base="structures:ObjectType">
            <xs:sequence>

<xs:element ref="nc:PersonAugmentationPoint" minOccurs="0"
maxOccurs="unbounded"/>

            </xs:sequence>
        </xs:extension>
    </xs:complexContent>
</xs:complexType>

```

# Augmentation example:

**Note: a MINJIS data element was added to NIEM Person.**

```

<nc:Person>
  <nc:PersonSexCode>M</nc:PersonSexCode>
  <mnjs:PersonAugmentation>
    <mnjis:PersonGangAffiliationOrganizationReference
s:ref="G234"/>
  </mnjs:PersonAugmentation>
</nc:Person>

```

# BCA Deprecation Schedule

## ■ Phase 1

- Exchange partners are notified that an existing schema is scheduled to be replaced.
- A release date for the new schema is announced.
- Full support for the legacy schema is scheduled to continue for one year after the date that the replacement goes into effect.

# What is full schema support?

- Exchanges using a fully supported legacy schema will be accepted.
- New versions of the schema **MAY** be allowed if changes in business requirements arise. Example: mandates from the legislature.
- Cont...

# What is full schema support? (cont..)

- Minor changes **WILL** be allowed as long they are backward compatible with the current version.
  - Example of an allowed change: an optional element is added.
- Technical support.
  - Schemas and supporting technical detail will be provided upon request.

# Phase II

- After one year, full support ends for legacy schemas.
  - Only minor (backward compatible) changes are allowed.
  - Schemas will no longer be published.
  - The date for freezing of changes is communicated to internal and external users.

# Phase III

- After two years
  - No changes will be allowed.
  - The date for end of all support is announced.

# Phase IV

- After three years, exchanges using a deprecated schema will no longer be accepted.

# Questions?

# Thank you!

For More Information:

**Greg Schiller**

**Greg.Schiller@state.mn.us**

**[bca.dps.mn.gov](http://bca.dps.mn.gov)**



# SOA Updates

October 16, 2013

Dave Everson/Mark Girard

# Agenda

- MNJIS Architecture Team
- NIEM 3.0
- Event Driven Architecture
- Predictive Analysis Audit Process
- Miscellaneous Updates

# MNJIS Architecture Team

- Formalizing the Architecture Team within MNJIS
  - Middleware, Service Orientation, Data and Infrastructure
  
- Goals of Architecture Team
  - Adoption of Architecture Methodology - TOGAF
  - Document the Enterprise Architecture
  - Determine Standards/Best Practice
  - Improve consistency and quality of delivered solutions

# NIEM 3.0

- Future services based on NIEM 3.0 standard
- Previous presentation spoke to this in more detail

# Event Driven Architecture

- Send more generic events
  - Incident
  - Court Disposition
  - Case Expunged (Internal)
- Reduce tight coupling between applications/systems
- Subject to data practices
- Oracle SOA Suite 11g: Event Delivery Network

# Predictive Analysis Audit Process

- Purpose & Goal
- Impacts
  - Ensure the BCA Header is populated with accurate & complete information
  - Important to include actual user who the service request is on behalf of

# Miscellaneous Updates

- Continue to enhance internal practices for design, development and deployment
- Explore/Test best usage and practice to leverage additional capabilities of the Oracle SOA Suite platform
  - Business Activity Monitoring, Complex Event Processing, Business Rule Engine, Business Process Execution Language
- Explore options to better handle schema and service versioning

# Questions?

# Thank you!

For More Information:

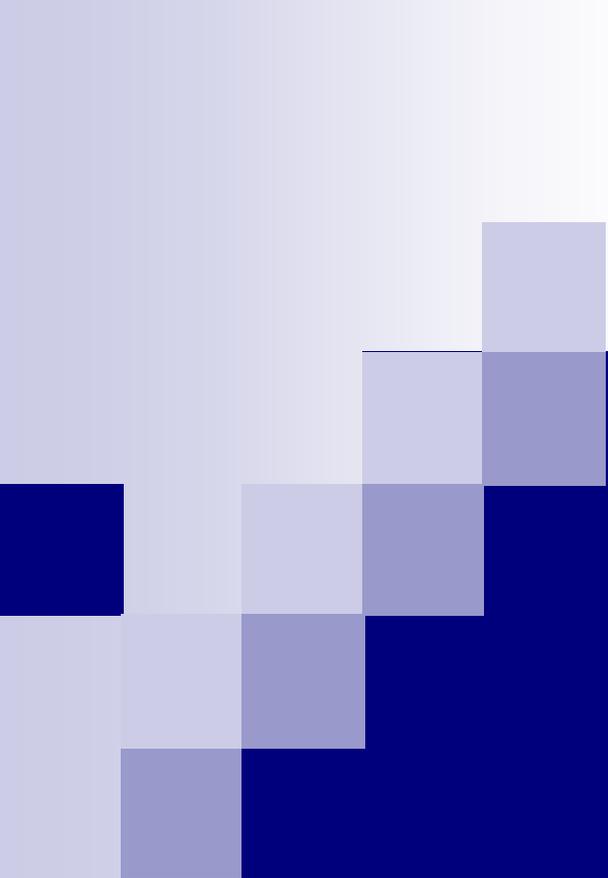
**Dave Everson | Mark Girard**

[david.everson@state.mn.us](mailto:david.everson@state.mn.us)

[mark.girard@state.mn.us](mailto:mark.girard@state.mn.us)

[bca.dps.mn.gov](http://bca.dps.mn.gov)





# Statute Service Web Service Update

Paul Schoen

Project Manager

# Statute Service Web Service

- Feb 2013 – We moved the new web service on the CJDN and have restricted access to approved IP addresses.
- Support is being provided for all three previous versions and the current version.

# Statute Service Web Service

- The old legacy web service is still running and is targeted to be shut down by the end of 2013.
- If you have not moved to the new web service please contact us regarding your plans to move to the new service.

# Questions?

# Thank you!

For More Information:

**Paul Schoen – 651-793-2706**

**Paul.Schoen@state.mn.us**



# Data Center Move

October 16, 2013

Kurt Augustin, Asst. Director

Technical and Infrastructure Shared Services

# Agenda

- Scope
- Background
- Timeline
- Challenges
- Team

# Scope

- Move MNJIS infrastructure and corresponding systems and applications at Centennial Office Bldg. (COB) to new Tier 3 Data Center – Enterprise Data Center 4 (EDC4)
- Infrastructure @ COB
  - 15 Computer Cabinets
  - 80 Physical Servers
  - 50 network components and other appliances
  - Storage Array Network (SAN) with 57TB of data
  - 171 Test and Production Virtual Servers
  - WAN Connectivity to FBI CJIS, NLETS, CJDN, VPN and the BCA
    - Note: Not all components are moving to EDC4

# Scope

- Systems and Services @ COB
  - 16 Priority 1 & 2 Services
  - 28 Priority 3 & 4 Services
  - Includes MNJIS, Lab and Investigations Services
  - Corresponding Test Environment

# Background

- Original scope and timeline driven by Data Center Consolidation Tactical Project – one of several IT Consolidation Projects currently on-going by MN.IT. Project scope was to consolidate 36+ data centers to 2-4 MN.IT data centers within the next five years.
- Decommissioning of COB Data Center expedited due to Capitol Complex Renovation Project. Capitol office staff will be moving into COB 5<sup>th</sup> Floor.
- COB 5th Floor needs to be vacated prior to December 30, 2013. Original MN.IT directive was to move systems by November 22, 2013. BCA requested extension to Dec. 14, 2013.

# Timeline

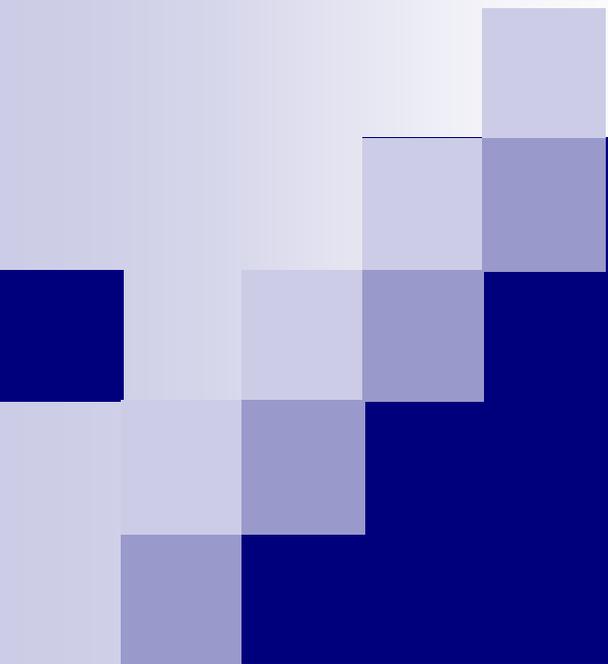
Milestone	Date
Proof of Concept to Swing Services to BCA Data Center	8/2/13
Draft Move Plan Completed	7/1/13
Final Move Plan Approved	8/30/13
All New Equipment Orders and Contracts Finalized	<b>9/16/13</b>
Migrate Production Systems from COB to BCA	9/16 – 10/21
All Network Infrastructure in Place at EDC4	11/14/13
Test Move Plan	11/16/13
Final Physical Move	12/14/13
Start Bringing Test Environment Back On-line	12/16 – 12/19
Migrate Production Systems from BCA to EDC4	12/30 – 1/31

# Challenges

- All Data Center moves are unique and challenging
- Limit Downtime to Priority 1 & 2 Services to 4 hours or less.
  - Three Phase Solution
- WAN Connectivity
- SAN and Data Storage
- Multi-agency move overseen by a new State Agency – MN.IT
- Cost – Both one-time and on-going costs
  - One-time
    - Staging Contractor
    - Moving Contractor
    - IT Infrastructure Vendors
    - New Infrastructure at EDC4
  - Increased On-going Costs
    - EDC4 Tier 3 Data Center Costs
    - WAN Connectivity Costs

# Project Team

- The “Failure Is Not an Option” Team
  - Sandra Solie – Project Manager
  - Mark Perish – Network Ops Manager
  - Jeremy Hursh – Storage Lead
  - Pete Donlin – ESX Lead
  - Troy Root – DBA Lead
  - Jerome Crea – Server/Middleware Lead
  - Jim Solie – Network/Security Lead
  - Many others...



# Break

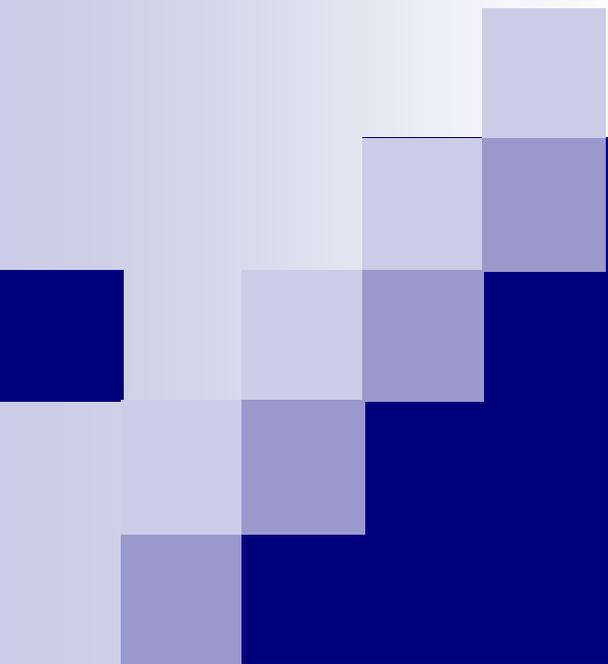
# Crime Reporting System (CRS) Project

October 16, 2013

Sara Bechel Hutton, Project Manager

# Agenda

- FBI Uniform Crime Reporting (UCR) Program
- FBI UCR Program Implemented in MN
- FBI Reporting Methods
- CRS Project Goals & Timeline
- Points of Interest



# FBI Uniform Crime Reporting (UCR) Program

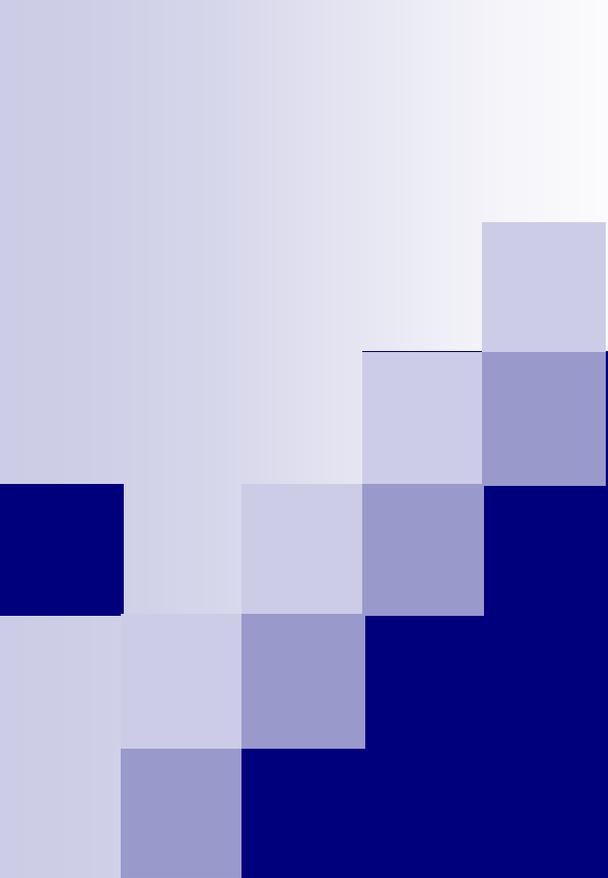
# FBI UCR Program

- 1920's
  - National crime statistics federally recognized
- 1930
  - UCR Program initiated and developed
  - FBI named national clearinghouse

# Primary Purpose of UCR

Provide accurate & reliable crime statistics to:

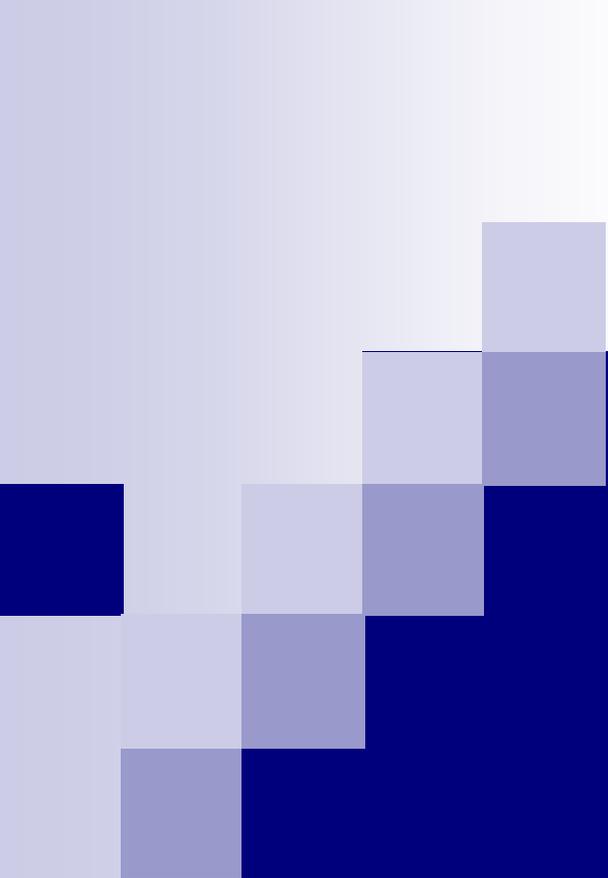
- Law Enforcement
- American Public
- Others



# FBI UCR Program Implemented in Minnesota

# UCR Program & CJRS

- Since 1936
  - MN has participated in FBI UCR Program
- 1972
  - Computerized CJRS implemented
- Today
  - ~90% submit via Records Management System
  - ~10% submit via a User Interface



# FBI Reporting Methods

# Methods for Reporting Crime Data to the FBI

## 1. Summary Method

- a. Only most serious crime of each incident reported
- b. Summarized data

## 2. National Incident Based Reporting (NIBRS) Method

- a. All crimes for each incident (up to 10)
- b. Incident level data

# Example 1:

3 incidents in Anoka County in January, 2010

**Incident 1:**  
Murder

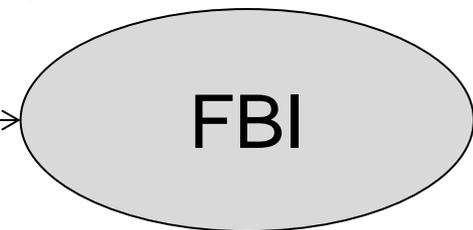
**Incident 2:**  
Murder  
Rape  
Drug

**Incident 3:**  
Murder  
Burglary

## Reported in Summary

- 3 murders

**Totals Only**



## Reported in NIBRS

- 3 murders
- 1 rape
- 1 drug offense
- 1 burglary

**Totals & Detailed Data**

## **Example 2:**

### Summary versus NIBRS Reporting

How many rapes involving  
young adults, ages 18-24,  
occurred in 2010?

### FORCIBLE RAPES - INCLUDING ATTEMPTS

Forcible rape is the carnal knowledge of a female using force and committed against her will. Uniform Crime Reporting needs require rape to be divided into two categories: (1) Rape by force, and (2) Attempted rape. Statutory rape and other sex offenses are excluded from this category. Though UCR only collects information about female victims, Minnesota includes male victims as well. All figures presented will include both male and female victims.

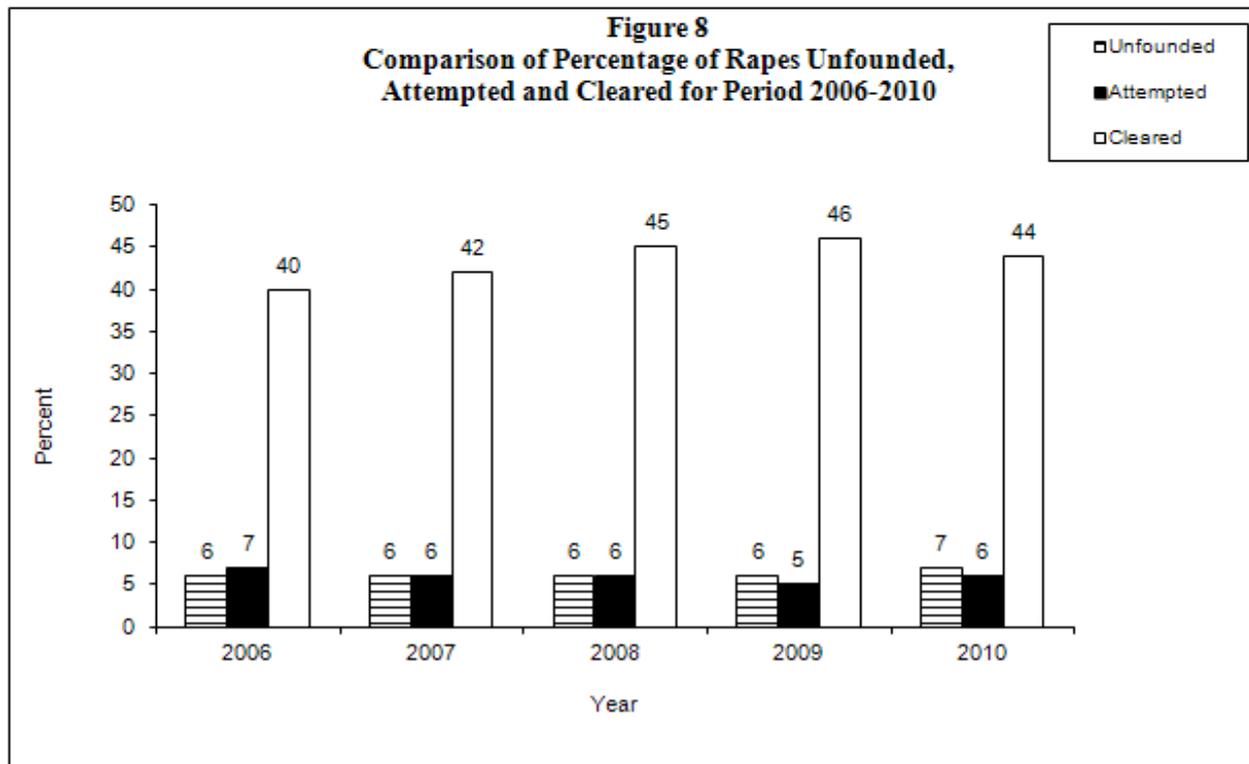
### SUMMARY ANALYSIS

- For the 2,400 rapes reported in 2010, 170 were listed as unfounded.

- Of the 2,230 reported actual rapes that occurred in Minnesota in 2010, 2,095 were by force while 135 were recorded as attempted rapes.
- Of the total rapes occurring in 2010, 988 or 44 percent were cleared by arrest. Of this total, 97 were cleared with the arrest of a juvenile.
- The crime rate for rape in 2010 represented 42 per 100,000 populations.
- The total number of rapes in 2010 represented 18 percent of the total violent crimes with 6 averaged per day.

Summary  
How many  
rapes  
involving  
young  
adults, ages  
18-24,  
occurred in  
2010?

Cannot  
Answer Today

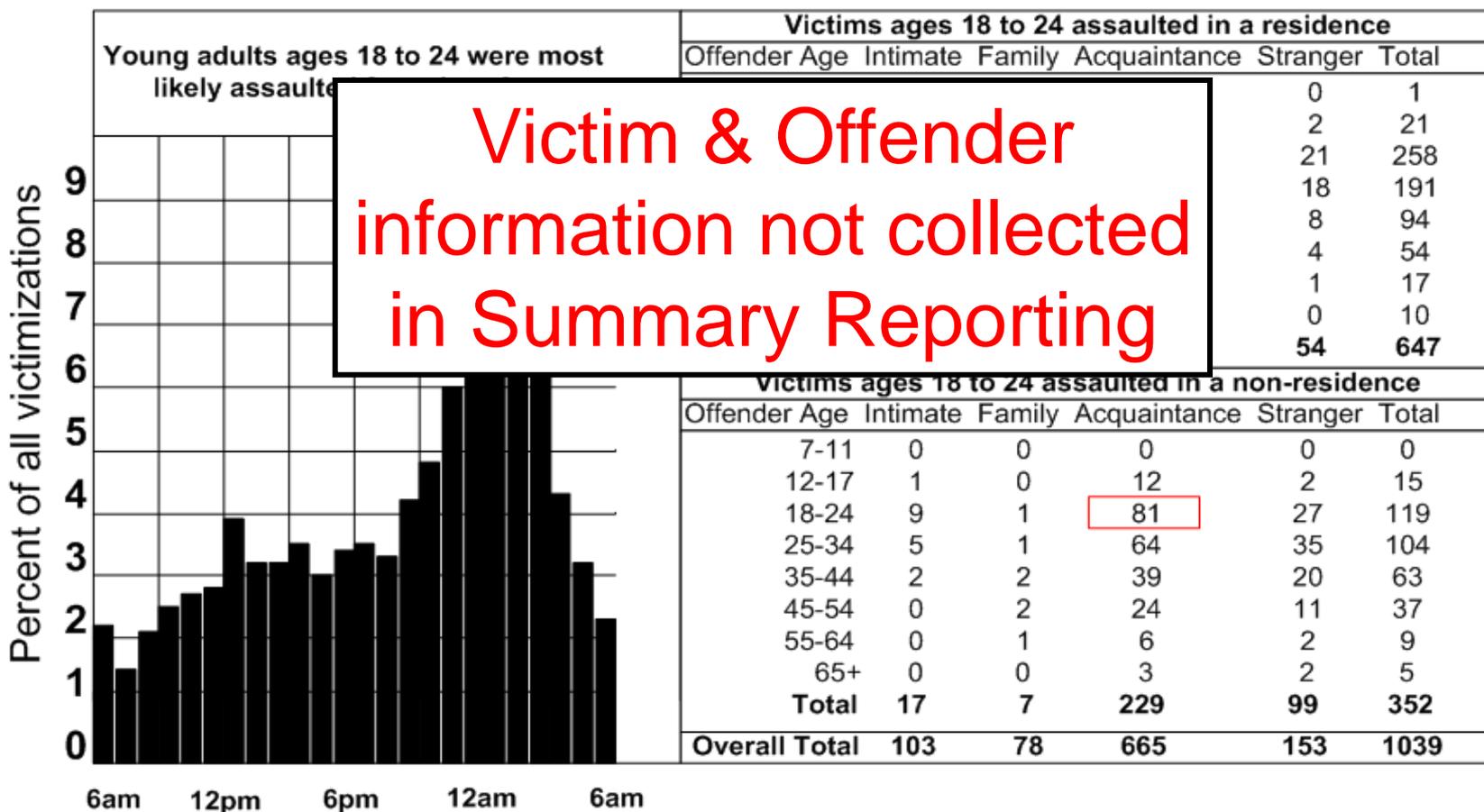


# NIBRS

How many rapes involving young adults, ages 18-24, occurred in 2010?

**265**

Violent sexual assaults involving young adults ages 18 to 24 years



# CJRS Replacement Submission Options

**15**  
States

**Option 1:**  
Full NIBRS FBI Submission

All LE  
Agencies



NIBRS  
Incident  
Level



**17**  
States

**Option 3:**  
Hybrid FBI Submission

Some LE  
Agencies



**AND**

Some LE  
Agencies



NIBRS  
Incident  
Level



Summary  
Level



**18**  
States

**Option 2:**  
Summary FBI Submission

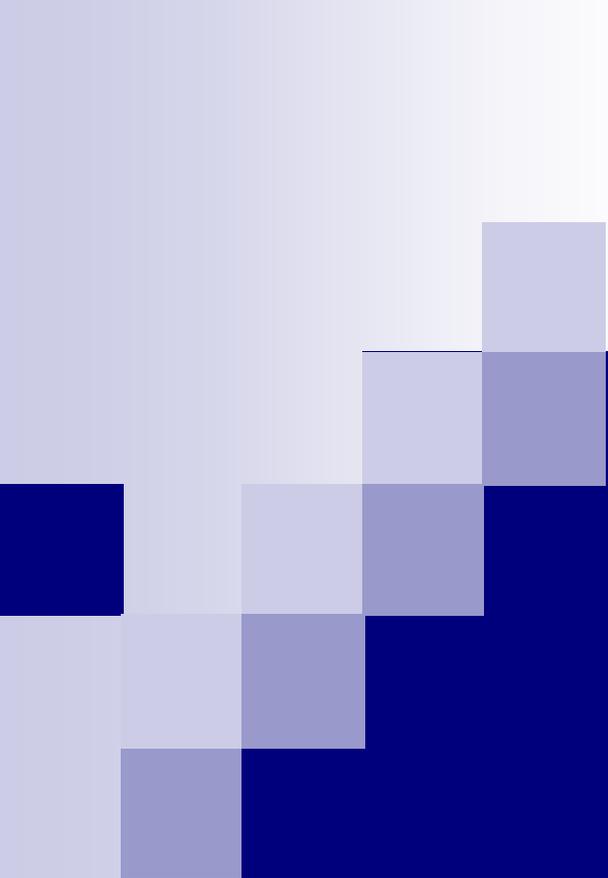
All LE  
Agencies



Summary  
Level



(10 are testing/developing NIBRS)



# CRS Project

# CRS Project Goals

- Replace CJRS (new CRS)
- Replace eReports
- Move MN to NIBRS
- Integrate with existing BCA applications
  - Supplemental Reporting System (SRS)
  - Comprehensive Incident-Based Reporting System (CIBRS)

# Project Timeline

- ✓ Project Approved – July, 2013
- ✓ Project Kick-Off – October, 2013
- Project Development – 2013 to 2016
  - Summary Reporting – Present to 2016
- Pilot – Mid 2016
- Statewide Deployment – 2017 to 2022
  - Hybrid Reporting – 2017 to 2022
  - Full NIBRS – 2022

# Points of Interest

- Staff Augmentation RFP – 1<sup>st</sup> Quarter, 2014
- Internally Developed CRS Database
- Adaptor Specifications – 4<sup>th</sup> Quarter, 2014
- New Reporting Tool
- Moving MN to be a MN NIBRS Compliant State
- Project updates found at:
  - <https://dps.mn.gov/divisions/bca/bca-divisions/mnjis/Pages/crime-reporting-system.aspx>

# Questions?

For More Information:

<https://dps.mn.gov/divisions/bca/bca-divisions/mnjis/Pages/crime-reporting-system.aspx>



# Criminal History System Replacement

October 16, 2013

Jerry Olson, Project Manager

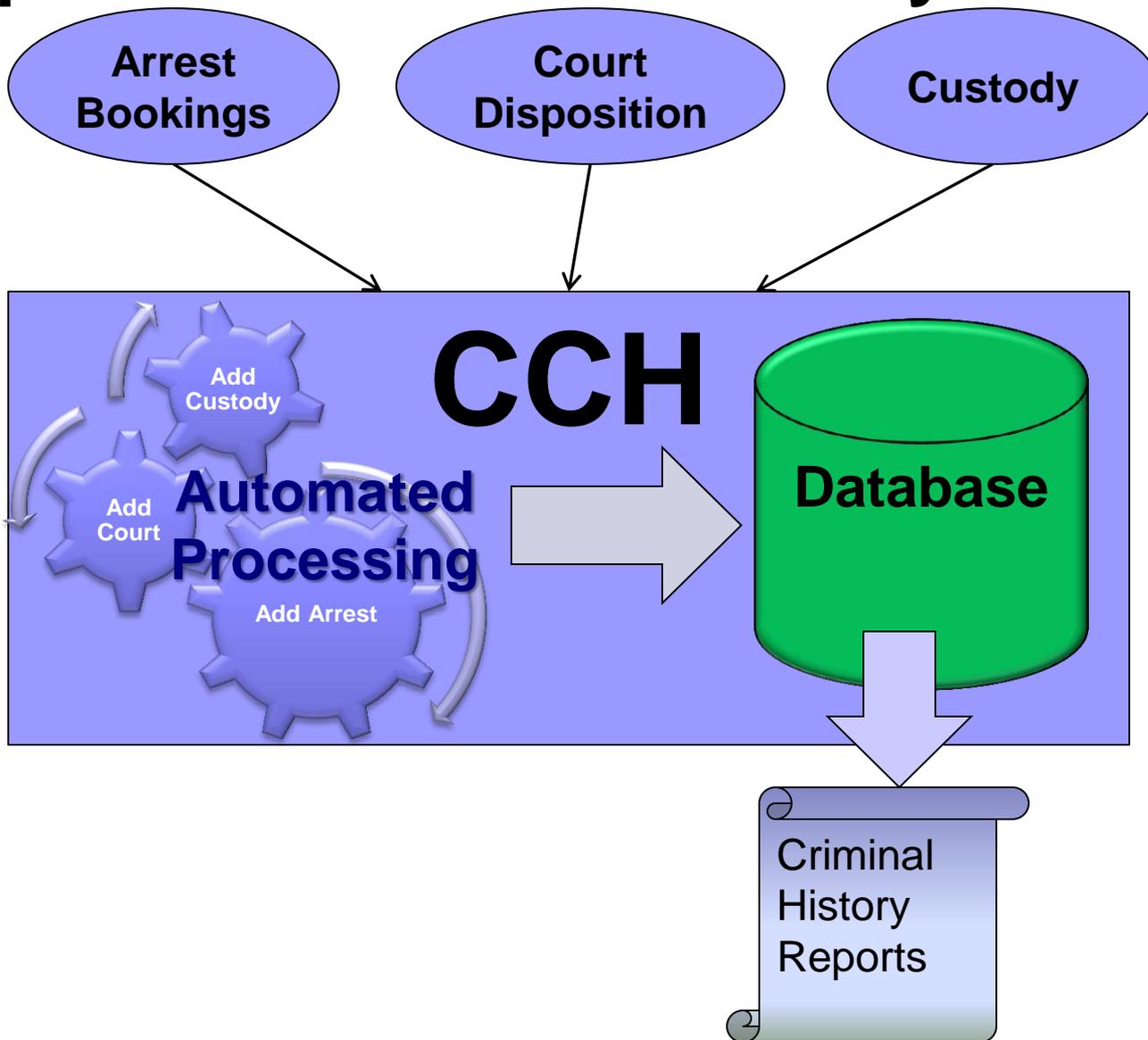
# Agenda

- Overview
- Objectives
- Funding
- In Scope
- Out of Scope
- Constraints
- Current Activities
- Milestones

# What is Criminal History?

- Current system is Computerized Criminal History (CCH)
- System for identifying, recording and indexing criminal records in accordance with Minn. Statute 299C.09

# Computerized Criminal History



# How is Criminal History Data Used?

## ■ Criminal justice purposes

- Crime investigations
- Presentencing investigations
- Jail/prison housing decisions

## ■ Non-criminal justice purposes

- Employment, Licensing, Housing background checks
- Adoption & child placement checks
- Public background checks on Internet
- Individuals requesting their own data
- Firearms purchases and permits

# Objectives

- Replace and decommission the current CCH system. The replacement Criminal History System will provide all of the currently used capabilities of CCH
- Enhance readability of RAP sheet
- Ad-hoc queries for non-tech users
- Data entry standardization and simplification

# Objectives

- Full support of current court data (MNCIS)
- Suspense file reduction (court records not matched to an arrest)
- End-to-end process awareness
- Rapid implementation of new or updated business rules and processes
- Handle increased volume of queries

# Objectives

- Management metrics and dashboards
- Proactive system monitoring and alerting

# Funding

- FY 2014 - \$ 3,050,000
  - FY 2015 - \$ 2,580,000
  - FY 2016 - \$ 4,930,000
  - FY 2017 - \$ 417,000
  - Total - \$10,977,000
- 
- This includes infrastructure and other costs

# In Scope

- Existing B2B Interfaces (some updated)
- New B2B Interfaces
- Rap Back (need legislation before using)
- Ability to retrieve and display arrest photo
- Ability to retrieve and display associated documents contained in Infolmage

# In Scope

- Background check process improvement:
  - On-line request for fingerprint based and Name & DOB checks
  - On-line payment
  - On-line results to requestor
  - On-line results to subject
  - Mailed-in paper request and payment
  - Walk-in request for fingerprint based and Name & DOB checks

# In Scope

- Support for all current LEMS queries including III, Nlets, and MN unique queries
- Database synchronization process
- Update workflows for record entry and maintenance. Automate and simplify!
- AFIS updates needed to implement workflow changes.

# Out of Scope

- Will not implement any **additional interfaces** beyond those in specs
- Will not **replace the functionality currently included in NEIS, ISS, Portals, LEMS, POR, Livescans, or any external systems**
- Will not include **updates to other systems** that may be impacted

# Out of Scope

- Will not perform **criminal history data cleanup**
- Will not perform **correction of synchronization errors**
- Will not include **InfoImage** replacement unless the needed features are supported in the criminal history system product purchased

# Out of Scope

- Will not implement **Rap Back Fee management** since the legislature could implement a variety of fee models if it authorizes Rap Back.
- Will **not implement Secure Communities**
- Will not implement **arrest photo in RAP sheet**
- Will not interface to **BCA or FBI DNA database**

# Constraints

- Must meet the high availability and performance levels of the current criminal history system.
- The transition from CCH to the new system must provide a clear transition to the new “database of record.”
- The integrity of the criminal history record information must be maintained during and after transition to the criminal history system replacement

# Current Activities

- RFP Package is in the review process
- Requirements were refined significantly since the RFI, no major functionality changes
- Risk Assessment required by statute is in process. RFP contains questionnaire
- Preparing for RFP support & review

# Milestones

- Funding received July 1, 2013
- Risk Assessment Sept thru Feb
- RFP Writing Complete October 3
- RFP Posted Oct/Nov
- RFP Responses due Dec/Jan
- Award Feb/Mar
- Start Contract May
- Go-Live Dec 2016

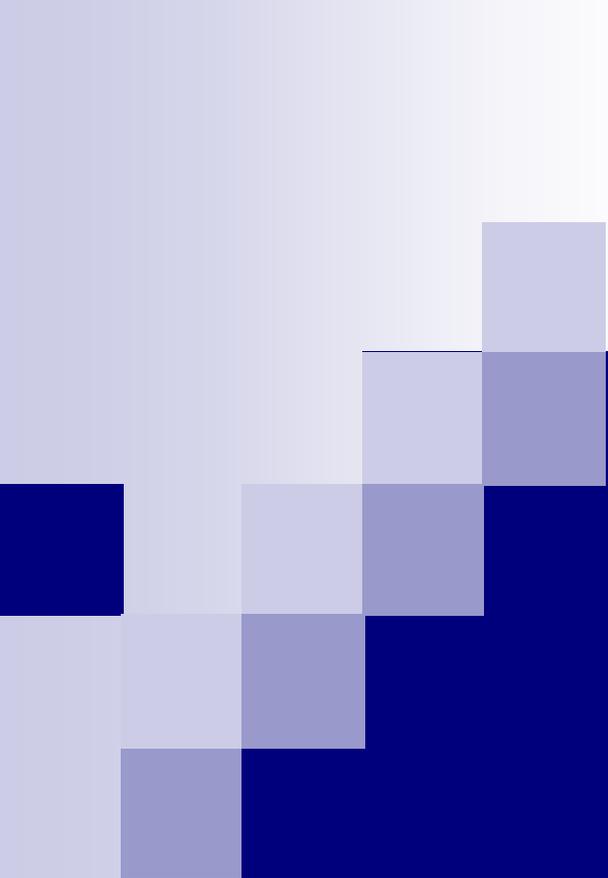
# Questions?

# Thank you!

For More Information:

**[bca.dps.mn.gov](http://bca.dps.mn.gov)**





# Important Information for Vendor Submissions

<http://www.mmb.state.mn.us/vendor-training>

- State Careers
- Vendor Resources
- Vendor Payments
- Transparency Project
- Self Service



Search MMB

- North Star
- Tax Information
- Weather Closure Info

- Main Menu
- Home
  - About MMB
  - Citizen Information
  - Financial Information
    - Internal Control
    - Accounting
    - Bonding
    - Budget
    - Economic Forecasts & Updates
    - Treasury
  - Pay & Benefits
  - Employee Assistance

## Vendor Training

SWIFT has developed an online training course to assist vendors in navigating the Supplier portal. The online course was designed specifically for State of Minnesota vendors who will be accessing the SWIFT Supplier portal. The course provides an explanation of the functions used for navigating the portal.

Main course focus:

- Procurement Events
- Viewing Payments and Invoices
- Creating and Maintaining User Accounts

The interactive course is produced using User Productivity Kit (UPK) software.

- Instructions For UPK
- Print The Instructions

- Vendor Resources
- Vendor IDs
    - Current Vendors
    - New Vendors
  - Guide:View Awarded Events In Portal
  - Guide: Vendor Authorization To Sign
  - Guide: Vendor Collaboration On Contracts
  - Guide: Vendor Signatures
  - Guide: Requesting A User ID To Access The Supplier Portal

# Items Available from Vendor Page

- The interactive course is produced using User Productivity Kit (UPK) software.

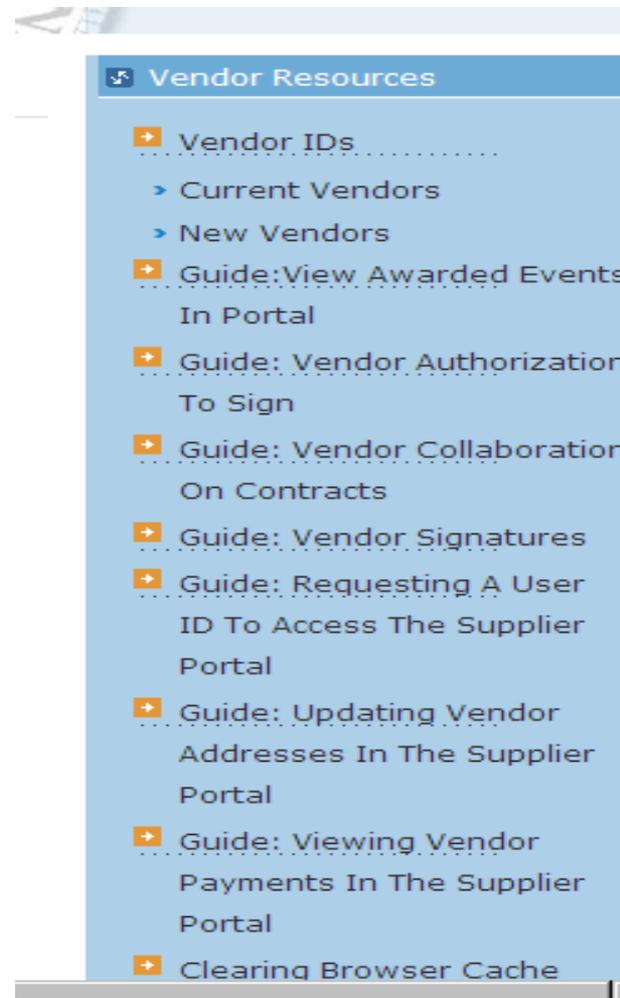
[Instructions for UPK](#)

[Begin the Interactive Course](#)

[Locate the Event Due Date](#)

[Add/Change Vendor Contact Information](#)

[Screen Reader Accessibility Mode](#)



# How to get Started

- Current vendors who had a vendor ID number with state prior to July 1, 2011 have been reassigned new IDs. See Current Vendor link in the right menu.
- New vendors assigned a new vendor ID when they go through the registration process in the Supplier portal.
- Once you have your vendor ID, you may register in SWIFT. To register, go to the Supplier portal at <http://supplier.swift.state.mn.us> and click on “Vendor Registration Link.”
- When you register, you will be assigned user ID and password. (Follow Step-by-Step instructions in the right menu.)
- Keep your new State of Minnesota vendor number, user ID and password in a secure place where you can find it easily. You will need this information for accessing the Supplier portal.



# eCharging - Project Update

Tom Miller

eCharging Project Manager

# Topics

- Overview of eCharging
- Hennepin Incidents
- Court Citations
- New model for Binary attachments
- Next Steps

# eCharging is...

- Electronic data passage
  - Incident to prosecutor
  - Prosecutor to court
  - Law enforcement to court (citations)
  - Law enforcement to DVS (DWI)
- Electronic workflow
  - Signatures
  - Workflow management
  - Monitoring
- Criminal Justice Data Integration
- Live in 42 counties in Minnesota – 37k+ complaints and 290k+ citations successfully submitted to court to date



# Hennepin Incidents

- Driven by County Attorney's Office. March 2014 Go-live.
- New data elements
  - Juvenile guardian data
  - Custody flag
  - Gang info
- HCAO will reject if missing info they require
- Hennepin-compliant adapter will work statewide
- Some BCA funding available
- Incident Referral UI for agencies unable to submit from RMS

# Changes to Citations

- New ordinance Model
  - Enumerated list maintained by Court
  - Validation
  - Live Winter of 2014
  - Required by Court summer of 2014
- 3<sup>rd</sup> offense flag supported in XML
- Because of urgency on ordinance issue, BCA funding available

# Binary attachment model

- Old Model
  - Embedded in XML
  - 10 MB total cap
  - Update one – update all
  - Updates disabled after prosecutor charge
- New Model
  - MQ
  - One document at a time
  - Higher cap (TBD)
  - Perpetual updates
- Push Notifications now available

# Next Steps for eCharging

- Additional complaint/referral Counties
  - Hennepin County Attorney
  - Additional greater Minnesota deployments (Polk, Pope, etc.)
- Additional Adapters
- Data standards
- Additional development



Thank You

Questions Regarding eCharging:

- Tom Miller, Project Manager

Phone: 651-793-2707    email: [Thomas.C.Miller@state.mn.us](mailto:Thomas.C.Miller@state.mn.us)

# Vendor Adaptor Validation

October 16, 2013

Michael Povolotsky

# Summary

- Initiative background
- Steps in new process
- Details
- Benefits
- Communication

# Business Needs

- Number of agency service consumers and service providers growing each year
  - Service growth- CIBRS, eCharging, LEMS Services, etc.
  - 45 new agencies in 2012
  - 31 new agencies in first six months of 2013

# Business Needs

- Critical nature of data – Information used for real-time public safety in the field
- Need to ensure the security and reliability of our SOA Infrastructure
- BCA currently doesn't have a vendor adapter validation process

# Steps in New Process

- What is going to happen
- When change is going to happen

# Details

- BCA is going to focus on:
  - XML calls
  - asynchronous service
  - synchronous service
  - error handling

# Expected Benefits

- Improve performance
- Reduced uncertainty
- Potential cost saving

# Communication

- Provide us with feedback
  - Michael.Povolotsky@state.mn.us

# Questions?

# Next Vendor Conference

Wednesday, April 23, 2014

9 a.m. – 11:30 a.m.

Bureau of Criminal Apprehension

# Thank you!

For More Information:

**Jill Oliveira**

**[jill.oliveira@state.mn.us](mailto:jill.oliveira@state.mn.us)**

**[bca.dps.mn.gov](http://bca.dps.mn.gov)**

