



Criminal Justice Information System Governing Board Meeting

7/26/2018

Agenda

- CISS Project Update
- CJIS Budget / Funding
- Project Health Check
- Executive Session – CISS Search Demo

Summary

- **Successes**

- Release 1,2,3,6 and now 10 in Production
- Release 11 in Final User Acceptance Testing
- Release 5 and 9 in System Test
- User Training and Onboarding
 - 1316 total user accounts
 - 497+ active user
 - 819 enrolled in training
- Federation established with DCJ

- **Risks and Issues**

- Operational Support Funding
- Technical Challenges
 - Several Upgrades coming up to address operational issues and improve performance
 - PD Connectivity
- Organizational Development

- **Planning for Operations and Next Iteration of CISS**

- **CSS Search Demo**



Summary

- **Successes**

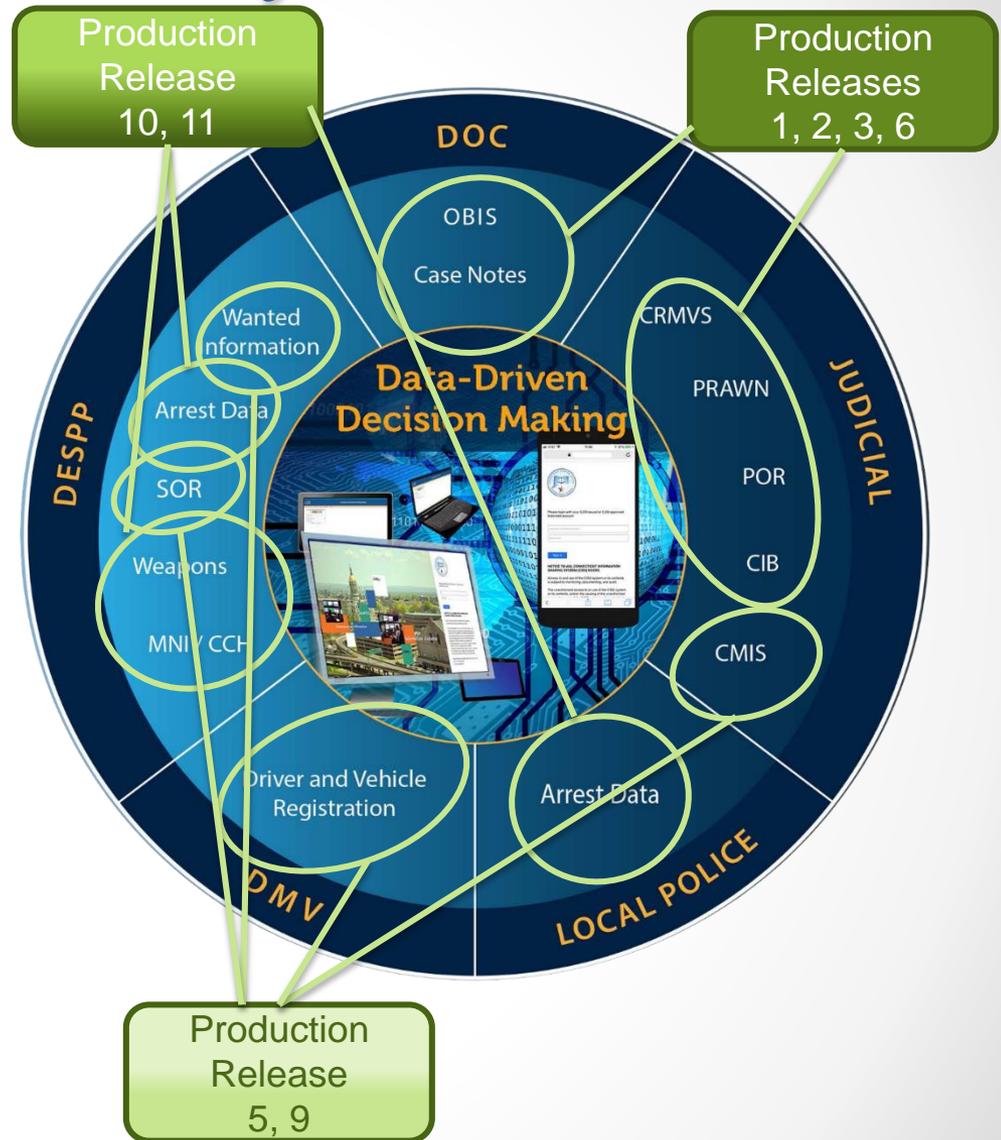
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CISS Project Update

Current Schedule

	Jul-2018			Aug-2018				Sep-2018				Oct-2018				Nov-2018				
Week Ending	7/13	7/20	7/27	8/3	8/10	8/17	8/24	8/31	9/7	9/14	9/21	9/28	10/5	10/12	10/19	10/26	11/2	11/9	11/16	
Release 10 (MMI/CCH & Weapons)	Production Ready																			
Release 9 (DMV, SOR, Wanted, CMIS)	System Test			Code Promotion				User Acceptance Testing				System Test				Production Ready				
Release 5 (ECM, RMS Retrieval)	System Test			Code Promotion				User Acceptance Testing				System Test				Production Ready				
Release 11 (Workflow)	System Test			Code Promotion				User Acceptance Testing				System Test				Production Ready				

Code Promotion	System Test	User Acceptance Testing	Production Ready
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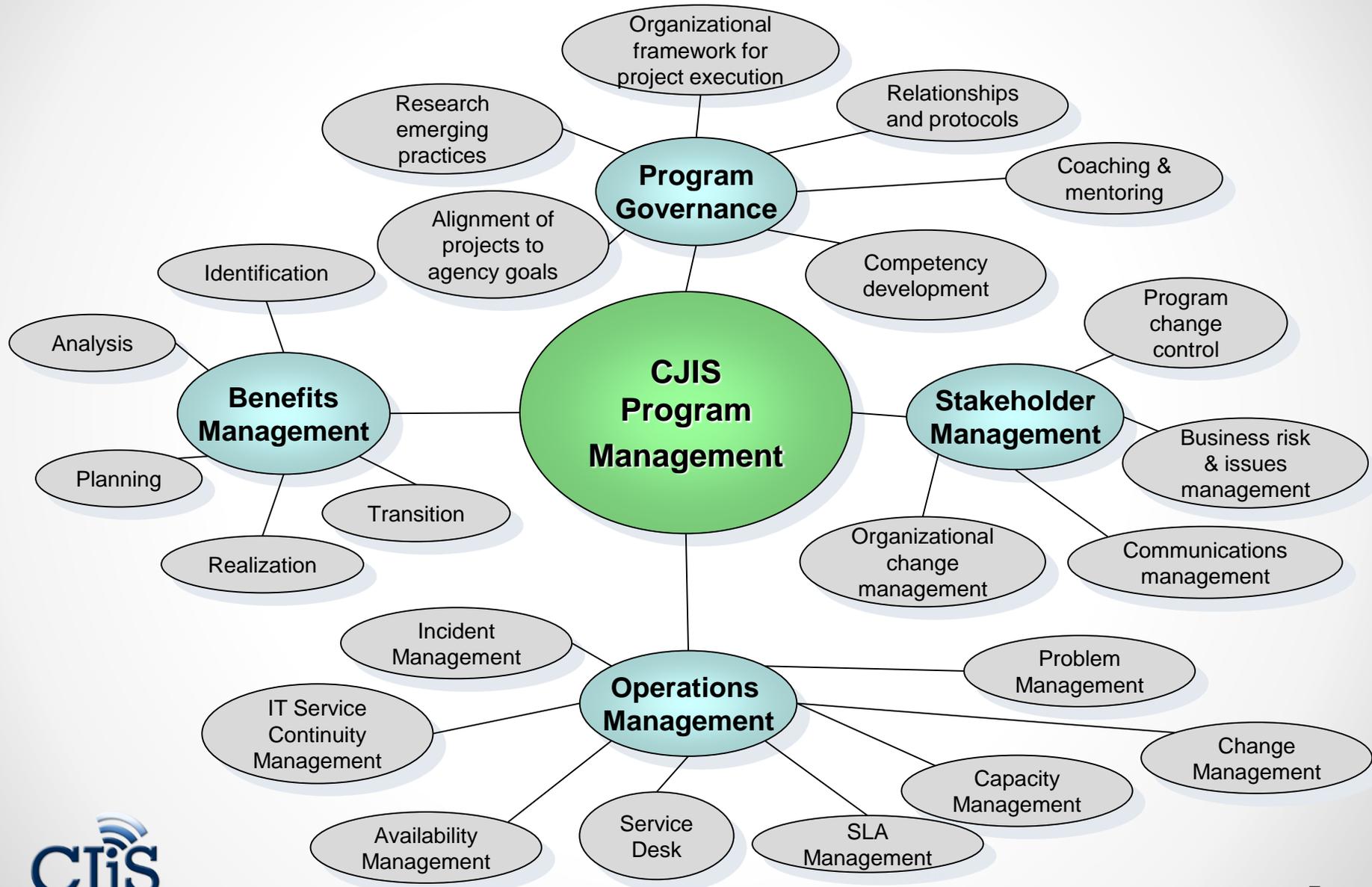
- Development complete for all releases
- Release 10 went into production on 7/23
- Release 9&5 System testing complete for DMV, SOR, Wanted, CMIS & RMS, ECM to be completed by 8/24
- 5300 R11 system test cases executed with 200 remaining to complete phase

CISS Project Update

Project Risks

- Financial Risks (HB)
 - Operational Support Funding
- Technical challenges
- State Budget Cuts
- CISS Demands on Stakeholders
- Communication with Stakeholders

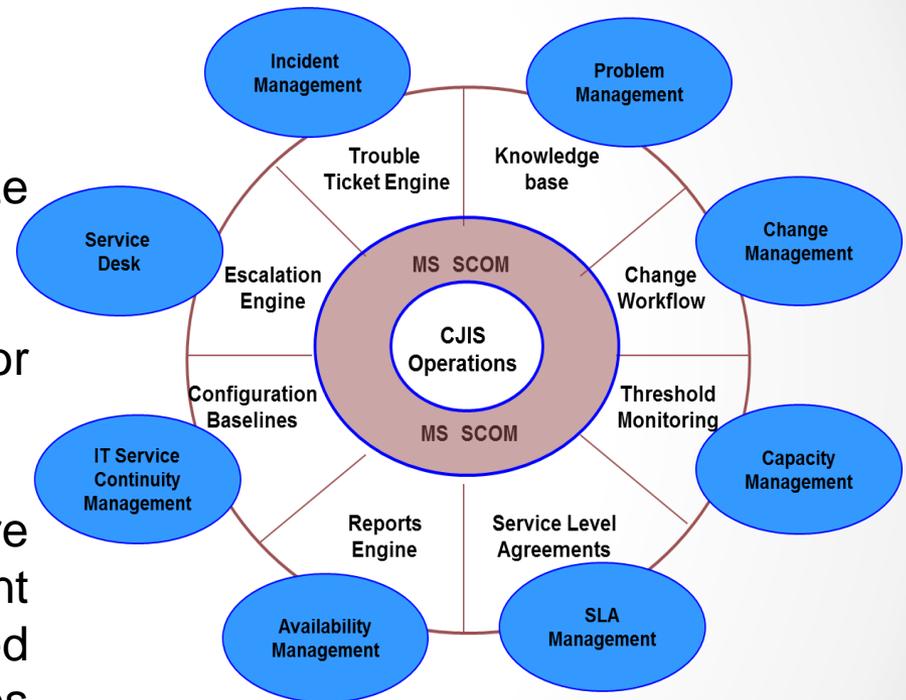
CJIS Program



CJIS Operational Support with DevOps Based Processes

Accomplishments from Last Quarter:

- Completed hardware design to optimize speed performance of CISS.
- Hardware purchases started for planned offsite disaster recovery.
- Completed high level plan for software upgrades for MultiVue, SharePoint upgrade to 2016 to achieve planned “near real” time source system updates daily.
 - Proposals received are being reviewed.

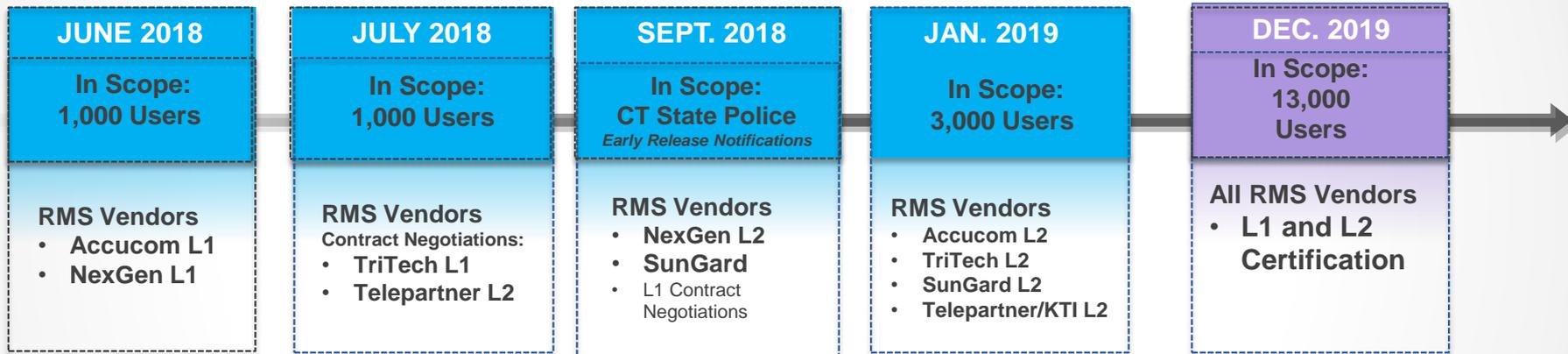


CISS Project Update

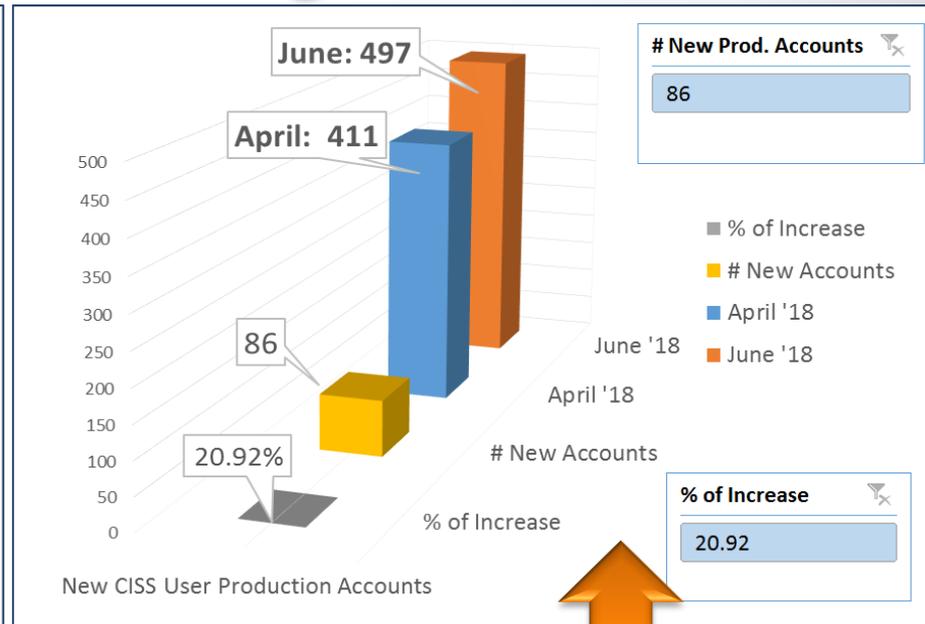
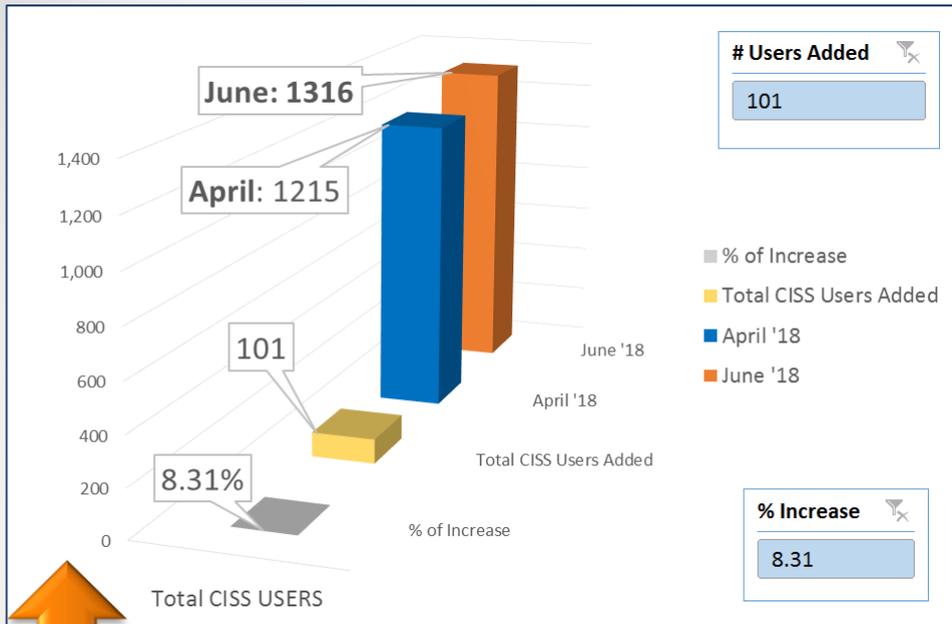
CISS PHASE-1 BOND FUND BUDGET SUMMARY TO 06/30/18		
FUNDING		TOTALS
Bond Funds Provided from 2011 to 2018 Inclusive	\$ 60,920,000	
CISS Budget Commitment*		\$60,920,000
CISS BOND EXPENDITURES		
BUDGETED FISCAL YEAR		
FY 2012 - FY 2018 Inclusive***	\$ 51,308,137	
Total CISS Expenses from Bond Fund	\$ 51,308,137	
CISS EXPECTED FUTURE BOND EXPENDITURES FROM 07/01/18 TO DATE 10/31/18		
<u>Phase 1:</u>		
Consultant Labor	\$ 1,408,000	
Xerox Contract Remaining Costs	\$ 4,054,535	
RMS Vendor Connectivity Budget	\$ 2,950,000	
CISS Budget for Hardware Infrastructure Completion	\$ 1,178,144	
Total Future Expected Cost	\$ 9,590,679	
Total Expected Costs for CISS Phase -1**		\$60,898,817
Expected Bond Funds Remaining for CISS Phase-2		\$21,183
Note:		
* Bond Funds received to date.		
** Planned 18 State Positions Not Filled and Budgeted to Be Paid from Inmate Phone Revenues. Consultants are Used Instead of State Employees Who Are Paid from Bond Funds.		
*** These Are Estimated Costs Due to Pending Financial Reports		

CISS Project Update

Current CISS User and RMS Vendor Schedule



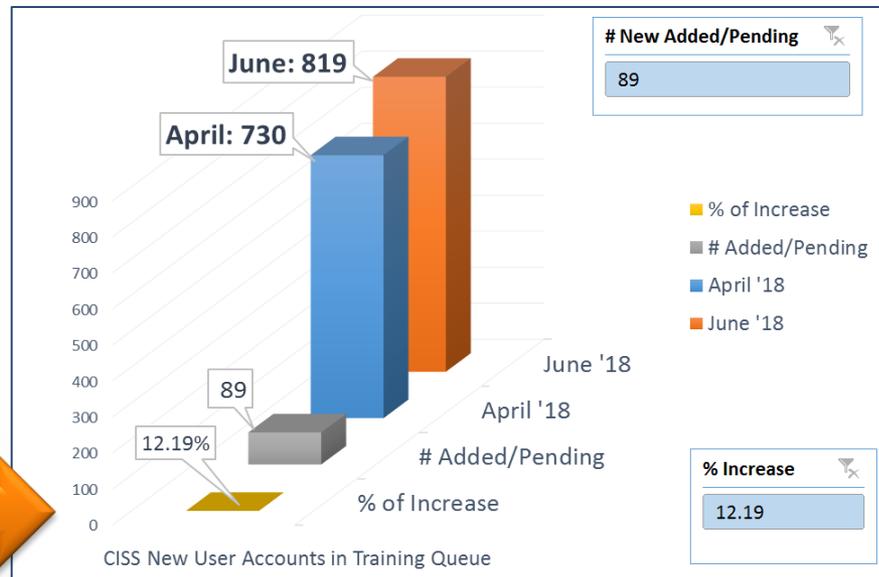
CISS User Onboarding Activities



Total CISS Users Added - Q2

CISS Production Accounts Added - Q2

CISS Users Added to Training Queue - Q2



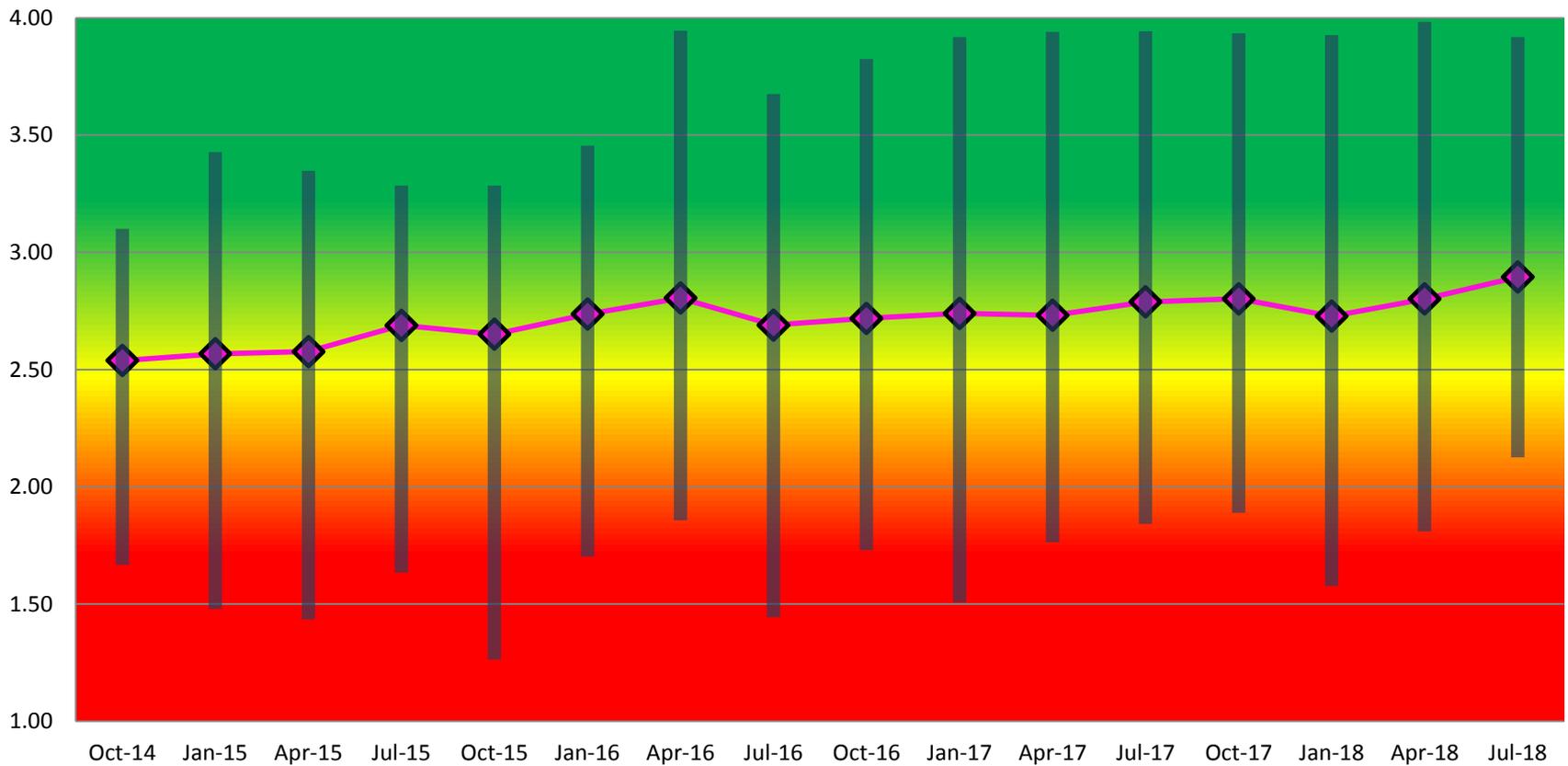
CISS Search User Accounts 2nd Q Statistics



CISS Project Health Check

Reporting Period 3/24/2018 – 6/22/2018

Average Overall Rating Since October 2014



CISS Project Health Check

Reporting Period 3/24/2018 – 6/22/2018

With project development complete and plans to complete testing in the coming months, excitement for the project is building. The project has benefited greatly from having a full-time executive director.

- This enthusiasm is tempered by the major longstanding concerns:
 - Long-term funding for ongoing implementation and operational support
 - The lack of an operational support plan and the reliance on durational positions

CISS Project Health Check

Reporting Period 3/24/2018 – 6/22/2018

Additional Stakeholder Concerns

- Enough time to complete rollout and expand future scope.
 - Will there be support and funding for future development?
 - Will the next administration support this project?
 - Agencies would like to see a **Continuity Plan** to strategy to build support for the project with the new administration.
- Expectation setting
 - Agencies want to work with PMO to ensure end-users understand which data and functionality are available at which points.
- Clear Org Chart
 - Stakeholders are still unclear as to whom should be contacted for which areas

CISS Project Health Check

Reporting Period 3/24/2018 – 6/22/2018

Lessons Learned

- **Pre-project Roadblock Removal**
- **Ensure Full Buy-in From State and Agencies**
- **Limit Scope/Agile Approach**
- **Advertise Successes**
- **Continually Work on Trust**
- **Faster Issue Resolution**
- **Streamlined Meetings**
- **Stakeholders Involved Earlier in QA Testing**

CJIS Search Overview

Advanced Search vs. Keyword Search

Known Details - Advanced

- Specific Offender Details
 - Name and DOB
- Physical Descriptions
 - Height
 - Weight
 - Sex
 - Race
 - Age
 - Hair
 - Eye Color

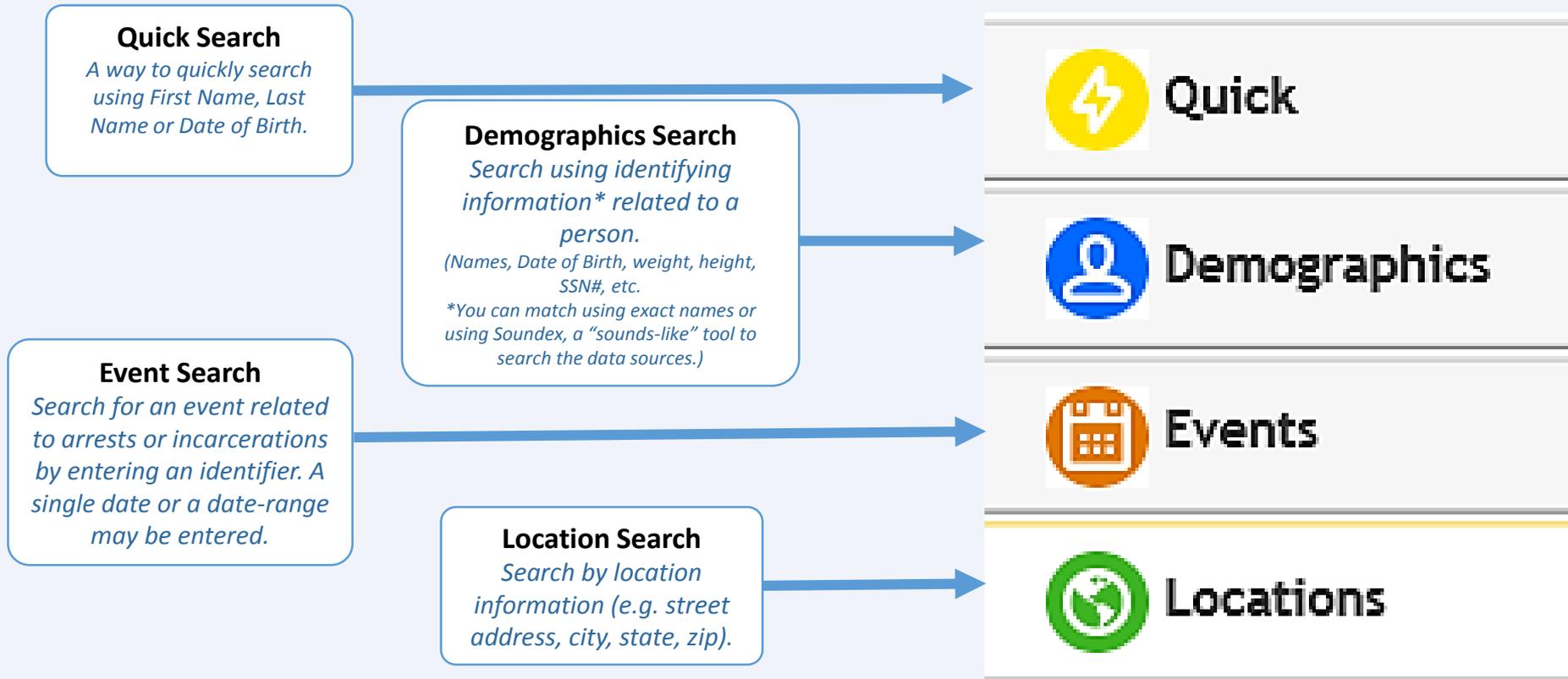


Partial Details – Keywords

- Partial Offender Details
 - Persons
 - Events
 - Property
 - Locations

CISS Search Overview

Easy to Use Icon Search Tools



CISS Search Live Demonstration

Executive Session

REAL Criminal Offender Histories will be viewed.

Confidential - State of Connecticut - Not for Distribution.

EXECUTIVE SESSION - Closed Demonstration will begin shortly.

ABSOLUTELY NO CAMERAS OR RECORDING DEVICES OF ANY KIND MAY BE USED DURING THE CISS DEMONSTRATION.

Real Criminal History Data will be searched during the Live CISS Demonstration.

Disclosure of public records or the information contained therein may be visible during the demonstration.

Executive Sessions

CONNECTICUT GENERAL STATUTES

THE CONNECTICUT FREEDOM OF INFORMATION ACT

CHAPTER 14*

**Sec. Sec. 1-200 (6)(B), Sec. Sec. 1-200 (6)(C),
and Sec. Sec. 1-200 (6)(E)**

Exempt Records

CONNECTICUT GENERAL STATUTES

THE CONNECTICUT FREEDOM OF INFORMATION ACT

CHAPTER 14*

Sec. 1-210 (b)(3).



Fictitious Crime - Shooting Investigation

- Bridgeport PD responds to “shot-spotter” report of gun shots...
- Upon arrival Officers receive the following info from by-standers & witnesses:
 - Small red car occupied by 2 males pulled up in front of a Convenience Store on Crescent Avenue
 - The 2 males get out of the red car, one is tall, one is short;
 - both are wearing hooded sweatshirts with hoods on.
 - One of the men is seen by a bystander getting back into the red car.
 - Bystander hears the man in the car yell “OG get in the car”.
 - The second man gets in the red car and it speeds off east on Crescent Ave.
 - Bystander reports shots appear to have been fired at a dark haired female about 30-35 years old. That female has left the scene. Unknown if she was injured.
 - Customer in Convenience Store was hit by bullets and is enroute to the hospital unconscious with life threatening injuries.
 - Eye-Witness provides a partial plate on the red vehicle of A613??? Not a Connecticut plate but possibly an Illinois or Indiana license plate.



Confidential - State of Connecticut - Not for Distribution. Closed Demonstration Purposes Only.
CISS AUTHORIZATION REQUIRED TO VIEW THIS PRESENTATION.
Real Criminal History Data Used for Demonstration. Fictitious Events and Scenarios Presented.

Without CISS vs. With CISS

? 2 Males
1 Short, 1 tall
No known racial info

 Partial Plate
A613????
Sm Red car
- Indiana or Illinois Reg.

 Intended Victim?
Female 30-35
Fled scene, NFI

 "OG"
Street name??
Locate alias

The First 48 Hours... Critical Time Frame

Investigation Step	Without CISS	With CISS
Hospital Interview Victim	4 hours	N/A
Crime Scene Data	2 hours	2 hours
License Plate Partial Search	4 weeks	2 minutes
Field Interviews	2 weeks	N/A
ID Suspects	2 weeks	10 minutes
Identify Target	1 week	5 minutes
Identify Accomplice	1 week	2 minutes
TOTAL	8+ weeks	< 3 hours

 Shooting
1 Victim
Condition - CRITICAL, Non-responsive

 Arrests
obtain warrants
Locate & Arrest

CISS Search

Live Demonstration



Re-Open Public Meeting

CISS Data Refresh Intervals

The rate at which incremental replication is performed for CISS is determined by the

CJIS Technical Team and Source System Agencies.

Decisions on Data Replication Increments are based on:

- ✓ **Input from the Business Community**
- ✓ **Frequency of Updates to the Underlying Data (i.e. Source System)**
- ✓ **Sensitivity of the Updated Information**

The Goal Is Balance (Impact vs. Urgency)

- ✓ **Minimize Impact of Frequent Replication on System Resources**
- ✓ **Prioritize Urgent Need For Current And Timely Information.**
- ✓ **Replication provides Multiview Data for Index, Web Service calls provide up to the minute updates.**

Source System	Source System Data Updates	CISS Environment	CISS Replication Frequency
OBIS	Real-Time	PRODUCTION	3/Day
PRAWN	Real-Time	PRODUCTION	Hourly
POR	Real-Time	PRODUCTION	Hourly
CRMVS	Batch Process* (Nightly Batch Updates)	PRODUCTION	1/Day
CASE NOTES	Real-Time	PRODUCTION	3/Day
CIB	Batch Process* / Real-Time (Nightly Batch Updates and Real-Time e-Citation feed)	PRODUCTION	1/Day
MNI/CCH	Batch Process* (Scheduled Updates)	PRODUCTION	1/Day
WEAPONS	Real-Time	PRODUCTION	Hourly
DMV DRIVERS	Real-Time / Batch Process* (Real-Time and Periodic Batch Updates)	SYSTEST	1/Day
DMV VEHICLES	Real-Time / Batch Process* (Real-Time and Periodic Batch Updates)	SYSTEST	1/Day
SOR	Real-Time	SYSTEST	2/Day
WANTED File	Real-Time	SYSTEST	1/Day COLLECT, and Real Time to NCIC
CMIS	Batch Process* (Scheduled Updates)	SYSTEST	1/Day
RMS/ECM	Real-Time	SYSTEST	Real-Time (LEA Arrest submissions)

*Jobs that can run without end user interaction, or can be scheduled to run as resources permit, are called batch jobs. Batch processing is for those frequently used programs that can be executed with minimal human interaction. A program that reads a large file and generates a report, for example, is considered to be a batch job.

(IBM Knowledge Center, *What is batch processing?*; https://www.ibm.com/support/knowledgecenter/zosbasics/com.ibm.zos.zconcepts/zconc_whatishatch.htm)



MultiVue Technology Q&A

Responses Provided by the CISS Development Team

What determines if a record from a particular source system is included in the match for a defined offender?

- A person record is considered to match if one or more of the following combinations of data elements match:
 - First Name (Soundex), Last Name(Soundex), SPBI#
 - Sex, SPBI#
 - Date of Birth, SPBI#
 - SSN, SPBI#
 - First Name(Soundex), Last Name(Soundex), Sex, Date of Birth
 - First Name(Soundex), Last Name(Soundex), Sex, SSN
 - First Name(Soundex), Last Name(Soundex), Date of Birth, SSN

What determines if a record from a particular source system is NOT included in the match for a defined offender?

- If none of the combinations listed (left) match, or if all the matched records have an SPBI# and that value does not match, then the records are NOT included as a match.

MultiVue Technology Q&A

How and Who determines what data elements are to be used for indexing and finding the “golden record” among the 14 source systems for a defined offender?

- The data elements to be loaded into MultiVue were identified using the input received from the stakeholders (data owners) during the requirements and data mapping workshops.
- The initial matching and merging rules were developed as part of the POC in 2012 by reviewing the data, testing the rules, examining the matches, refining the rules, and repeating the process. Since then, the rules have been augmented and adjusted when necessary based on feedback from CJIS and stakeholders during the testing of the MultiVue functionality.
- Here is the list of source systems that are being loaded in MultiVue: CIB, CMIS, DOC/Case Notes, CRMVS, DMV-Vehicle, DMV-Driver, MNI/CCH, OBIS, POR, PRAWN, RMS, SOR.

MultiVue Technology Q&A

What is the threshold for including or not including a record as a match if the data elements are close but not exact?

- With the exception of first name and last name, the records are considered to match only if they are an exact match.
- First name and last name will match if they have the same soundex value.

Add'l Note from the Development Team:

CISS Search Design Documents includes the details for the fields that are indexed for each data source.

What errors can occur with MultiVue that should be noted and communicated to CISS users?

- There are cases where, even with the previously stated rules, incorrect matches can occur or records that should match do not. This is expected behavior by the tool, and is due to the nature of the data coming from the source systems.
- The CJIS technical team has been trained on manually correcting these instances as they are identified.
- CISS users will not see any error message in CISS, when these “incorrect matches” occur.
- What they might notice is one of these scenarios:
 1. They may see more than 1 person index record for an offender that they know is the same person;
 2. They may see only 1 person index record for people they know are different. These differences can be corrected manually in CISS and can also be corrected as part of data quality improvements in the source system.



Other Business & Upcoming Meeting



- **Thursday, October 25, 2018**

1:30 PM

300 Corporate Place, Rocky Hill, CT 06067