



**Report on the Status of the  
Connecticut Criminal Justice Information System  
(CJIS-CT)**

**to the  
Connecticut Legislature**

**Submitted by  
The CJIS-CT Governing Board**

**January 1, 2023**

**This report covers the submittal due January 2023**

## Table of Contents

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<b>Criminal Justice Information System (CJIS-CT) Governing Board .....</b>	<b>3</b>
<b>CJIS-CT Governance Committee .....</b>	<b>4</b>
<b>CJIS-CT Background .....</b>	<b>5</b>
<b>Executive Summary .....</b>	<b>6</b>
<b>CISS Releases Currently in Production .....</b>	<b>7</b>
<b>Summary of CISS Critical Risks .....</b>	<b>8</b>
<b>CISS Risks and Mitigation Strategy.....</b>	<b>9</b>
<b>Fund Overview (as of December 31, 2022).....</b>	<b>11</b>
<b>Connecticut Information Sharing System (CISS) Status Report .....</b>	<b>12</b>
<b>RMS Certification .....</b>	<b>16</b>
<b>CJIS-CT CISS Network Connectivity: Workflow, &amp; CISS Search .....</b>	<b>20</b>
<b>CJIS-CT Infrastructure.....</b>	<b>24</b>
<b>CISS - Conclusion.....</b>	<b>26</b>
<b>Appendix A – Acronyms .....</b>	<b>28</b>
<b>Appendix B – Table of Figures .....</b>	<b>29</b>

# Criminal Justice Information System (CJIS-CT) Governing Board

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John Russotto, Esq., Deputy Chief State's Attorney

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Chief Neil Dryfe, President; Member Chief Donald Melanson, Director

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## CJIS-CT Background

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The State of Connecticut established the Criminal Justice Information System (CJIS-CT) Governing Board to primarily engage in activities that constitute the administration of criminal justice. The CJIS-CT Governing Board is statutorily authorized to develop plans, maintain policies, and provide direction for the efficient operation and integration of Criminal Justice Information Systems, whether such systems service a single Agency or multiple Agencies in accordance with the Connecticut General Statutes § 54-142q(f).

In 2007, influenced by the 2004 shooting death of Master Police Officer, Peter J. Lavery, and the 2007 Cheshire home-invasion murders, the State of Connecticut undertook a review of its Criminal Justice processes. As a result of that review, State of Connecticut Public Act 08-01(P.A. 08-01) was passed. P.A.08-01 not only provided for change to the penal code, but it also provided for change to current criminal justice information sharing processes with emphasis on providing a safer community for the citizens of the State.

As part of the changes put forth by P.A. 08-01 (later codified as CGS 54-142s), the CJIS-CT Governing Board established the Connecticut Information Sharing System (CISS) to facilitate the sharing of information between all Criminal Justice Agencies, State Agencies, and Law Enforcement Agencies (LEAs) that are responsible for managing criminal records and other information that is used in the pursuit of criminal justice statewide in a secured database.

Information that is shared in CISS can only be accessed by authorized criminal justice personnel that have been approved by the Criminal Justice Information System (CJIS-CT) Governing Board, in accordance with Federal Justice Information Sharing Regulations and the Connecticut General Statutes. Users are required to complete a training program that includes instruction on the confidentiality of all shared information, the acceptable use of the information, and the penalties associated with misuse of the information as imposed by the CSO or his/her designee.

This report is prepared pursuant to Connecticut General Statutes (CGS), 54-142s. The CJIS-CT Governing Board provides this report and directs the projects within this report to meet CJIS-CT goals.

## Executive Summary

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The Connecticut Information Sharing System (CISS) is an application with two key components, *Search* and *Workflows*. The application was developed to improve safety for law enforcement and the public, as well as to aid in the reduction of recidivism. *Search* shares criminal justice information from 14 state agency source systems through a single user interface portal. *Workflows* will replace current paper-based workflow methods with automated email notifications, system-to-system data sharing, and electronic content management (ECM). Through these process management efficiencies, CISS is anticipated to save an estimated \$15 million per year through efficiencies for the State of Connecticut once fully implemented. It will also help the State meet Governor Ned Lamont's push for increased e-government initiatives.

CISS Releases that have been in production are already providing several timesaving capabilities and production-based efficiencies to the Criminal Justice Community in Connecticut, while also meeting the CJIS-CT mandate.

CISS Application code development was complete as of June 30, 2018, for all major Phase 1 deliverables. During the first and second quarters of 2019, testing cycles were completed for the remaining CISS Releases with deployment to production completed during the third quarter of 2019. CISS Search portal is available and being used by CJIS-CT agencies. Training and user credentialing is in progress, with 3,190 of 6,912 users already trained and using the search features of the system, as of December 31, 2022.

The next phase of the CISS Project is the deployment and integration of arrest workflow to all criminal justice geographic areas (GAs) in the state and to 6,912 Search Users, as well as the implementation of CISS Workflows to the various CJIS-CT Partner Agencies. The electronic Workflows support Governor Lamont's Digital Government initiative by replacing paper-based workflows with automated workflows. The integration with various partners is underway, CJIS-CT agencies are updating their systems to receive and send messages to CISS. Initial pilot of a full workflow was completed in Fall 2022.

Additionally, new legislation and existing CJIS-CT partners are finding new ways to make use of CISS database for analytics and efficiencies. SSPA20-1, addressing police accountability, PA19-90 concerning Police Use of Force and, Special Act No. 19-17, will use CISS information for studies in fairness of prosecution. Connecticut State Marshalls now can access Department of Motor Vehicles (DMV) information through a new, self-service portal for faster and easier access, saving costs and resources at the Department of Administrative services. Also, CJIS-CT is assisting the Judicial Branch with allowing DMV to access information from CISS that it now receives from the Centralized Infraction Bureau (CIB) interface. This will allow Judicial to discontinue CIB and allow it to save money and resources.

## **CISS Releases Currently in Production**

1. Search - Release 1 (R1), Judicial Paperless Re-Arrest Warrant Network (PRAWN) has been in production since 2016.
2. Workflows - Release 2 (R2), Uniform Arrest Report (UAR) and Misdemeanor Summons has been in production since 2016.
3. Search - Release 3 (R3), Judicial Protection Order Registry (POR) and Criminal Motor Vehicle System (CRMVS) is complete and has been in production since July 31, 2017.
4. Search, Release 6 (R6), includes Judicial Centralized Infraction Bureau (CIB) ticket data, the Department of Correction (DOC) and Board of Pardons and Paroles' (BOPP) shared Case Management System, the CISS Portal User Interface (UI), and the CISS Document Library. Release 6 was deployed to production during the first quarter of 2018.
5. Search, Release 10 (R10), contains DESPP's Master Name Index (MNI), Computerized Criminal History (CCH), and Weapons Registry source systems; the CISS Portal User Interface (UI), Notification and Data Quality Management (DQM). R10 was deployed to production during July of 2018.
6. Workflow, Release 11 (R11), combines Releases 4 and 8, and Release 2.1 (R2.1), Data Integrity Enhancement into one release. R11 contains code to enable Workflows for Uniform Arrest Reports (UAR's), Misdemeanor Summons, Full Arrest Data and Documents, Post Arrest, Arraignment, Disposition, and Post Judgement. R11 completed testing in the SYSTEST Environment during the third quarter of 2018. Disposition and Case Update feeds were enabled in the fourth quarter of 2018. UAT environment testing is in progress for RMS vendors that have developed upgrades for their proprietary RMS software to enable their systems for CISS Workflows integration. Release 11 was deployed to production on January 18, 2019.
7. Search, Release 5 (R5), includes the Wanted Persons File from the Department of Emergency Services and Public Protection (DESPP), CISS Search and Retrieval Electronic Content Management (ECM), the CISS Portal User Interface (UI) and Reporting functionality. UAT during the third quarter of 2018 and passed UAT Regression testing on May 31, 2019. Full release into production was completed on December 16, 2019.
8. Search, Release 9 (R9), includes Department of Emergency Services and Public Protection (DESPP) Sex Offender Registry (SOR), Judicial Case Management Information System (CMIS), the Department of Motor Vehicles' (DMV) Drivers and Vehicles data, CISS Portal, UI and Agency based Security. R9 completed testing in the SYSTEST Environment and was successfully promoted to UAT during the third quarter of 2018 and passed UAT Regression testing on May 31, 2019. Full release into production was completed on December 16, 2019.
9. Workflow, Release 11.4 (R11.4) components have been deployed, the following have been addressed: CR233 Unknown Address and CR 230 CIB Disposition. Full release into production was completed on December 17, 2022.
10. Workflow, Release 11.4.1 (R11.4.1) DESPP and DCJ requested to have the Reason for the Erasure included with the erasure flag. Judicial will use the erasure flag in the future for any potential erased purposes. Full release into production was completed on December 17, 2022.



## Summary of CISS Critical Risks

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The value of the CISS project lies in the full implementation of all pertinent criminal justice data sources for Search and Workflows. The following risks need to be mitigated to maximize the full value of the CISS project to move forward effectively:

RMS Vendor participation does not currently provide 90% of all arrests for CISS Workflows. Currently, we have NexGen, Accucom, and IMC participating which provides about 78% of all the arrests in the state. CJIS-CT will need to add one additional large RMS vendor in order to achieve 90%+ of arrest information. A request has been made through OPM for \$450,000.00 in order to get the additional RMS vendor needed.

Loss of domain knowledge due to temporary Consultants being used in critical business and technical positions.

Unforeseen issues and stakeholder dependencies can cause delays in the rollout to users. This risk is anticipated to continue throughout the implementation of CISS, although CJIS-CT is re-evaluating the number of potential users to ensure resources are properly targeted.

Connecticut continues to make great progress in safely reopening the state after the impact of COVID-19. Since the latter half of 2021, majority of sectors within the state are open to the public. Private businesses and state and local governments also have the option of requiring masks to be worn inside of their establishments along with allowing employees to work remotely. CJIS-CT staff now have the option to return the office, adhering to the public safety guidelines, or continue to work remotely.

## CISS Risks and Mitigation Strategy

There are new and pre-existing risks that need to be addressed for the CISS project to move forward effectively and in a timely manner.

<b>Risk 1</b>
RMS Vendor participation does not currently provide 90% of all arrests for CISS Workflows.
<b>Impact</b>
Currently, we have NexGen, Accucom, and IMC participating which provides about 78% of all the arrests in the state. The state will not be able to turn off paper-based workflows long-term without getting 90% of workflow information through the CISS digital workflows.
<b>Mitigation</b>
CJIS-CT will need to add one additional large RMS vendor in order to achieve 90%+ of arrest information. A request has been made through OPM for \$450k in order to get the additional RMS vendor needed. CISS Connectivity required to be Standard in CT Contracts and add in new legislation. There is a potential that CJIS-CT may need to provide a solution for LEAs with non-CISS connected RMS Vendors in the future. A legislative proposal was submitted to OPM to mandate RMS connection to CISS for future new entrants to the market.

<b>Risk 2</b>
Loss of domain knowledge due to temporary Consultants being used in critical business and technical positions. By definition, consultants are not long-term employees and move from position to position, driven by market conditions.
<b>Impact</b>
As CJIS-CT consultants leave the project, technical and business knowledge is lost, and the continuity of CISS operations is impacted. Consultant turnover continues as expected on a project of this duration. Competitive market conditions, low starting salaries, and durational status for CJIS-CT technical positions limit the pool of applicants for recruitment.
<b>Mitigation</b>
Knowledge Transfer from the solutions provider to the state employees has started. CJIS-CT signed a contract with support vendor Analysts International Corporation (AIC), which began work July 1, 2019. CJIS-CT hired an additional project manager dedicated to increasing the number of users onboarding to CISS. Additional consultants were hired to fill positions until full-time state employees can be hired.

<b>Risk 3</b>
Unforeseen issues and stakeholder dependencies can cause delays in the rollout to users for CISS Search training. This risk is anticipated to continue throughout the implementation and deployment of CISS.
<b>Impact</b>
This risk has led to project schedule delays and increase cost.
<b>Mitigation</b>
CJIS-CT has hired additional consultants to help increase throughput for training. Additionally, CJIS-CT is re-evaluating the number of Search users to be trained and a ‘Train-the-Trainer’ initiative is in process with 6 candidates selected to appropriately allocate resources to ensure adequate resources for training ready, willing, and able users.

## Fund Overview (as of December 31, 2022)

CISS code development and physical infrastructure are completed for Phase 1. The CJIS-CT Governing Board has fully integrated 14 Agency Source Systems for CISS “Google Like” Search and the code for the CISS Workflows has also been completed.

Phase 2 is the deployment of the CISS Search to an estimated updated target number of 6,912 potential users statewide. These potential users are all state police, all local police departments and remaining Connecticut criminal justice agencies. Second, CJIS-CT is deploying the digital workflows throughout the Criminal Justice system statewide replacing existing paper-based workflows in line with the digital government initiatives.

<b>CISS General Fund Operational Budget Summary</b>				
	<b>FY 23 Actual</b>			<b>FY 24 Governor's Recommended Budget</b>
CJIS-CT General Fund Budget (DESPP)	\$	4,990,355	\$	4,990,355
CJIS-CT FY 2022 General Fund Budget (DESPP)	\$	850,193	\$	
CJIS-CT Centralized IT Staff (DAS-BITS)	\$	775,802	\$	775,802
<b>Total Operational Funding for CJIS-CT</b>	<b>\$</b>	<b>6,616,350</b>	<b>\$</b>	<b>5,766,157</b>

\* Not including budget impact of transfer funding to DAS/BITS for IT Optimization (\$775,802)

<b>CISS FY 23 Bond Commission Approved Allocations</b>		
<b>Capital Investment</b>	<b>Amounts</b>	
Bond Funds from June 2011 to June 2020 Inclusive for Phase 1	\$	60,920,000
Bond Funds from June 2011 to June 2020 Inclusive for Phase 1	\$	8,900,000
<b>Total Bond Funds for Phase 1 and Appropriations for Phase 2</b>	<b>\$</b>	<b>69,820,000</b>
<b>Capital Investment</b>	<b>Amounts</b>	
CISS Phase 1 Expenses	\$	57,762,963
Bond Funds Expended from July 2020 - December Inclusive for Phase 2	\$	11,400,318
<b>Total Costs for CISS Phase 1 and Phase 2</b>	<b>\$</b>	<b>69,163,281</b>
<b>Remaining Bond Funds for CISS Phase 2 Deployment</b>	<b>\$</b>	<b>656,719</b>

## **Connecticut Information Sharing System (CISS) Status Report**

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### **CISS — Background**

The Connecticut Information Sharing System (CISS) provides an integrated solution for the sharing of criminal justice information (CJI) within the State of Connecticut's criminal justice agencies, in compliance with the FBI's Criminal Justice Information Services Security Policy. The State of Connecticut commissioned the development of a scalable, service-oriented architecture for the CISS solution to enhance the information sharing capabilities of law enforcement and criminal justice agencies throughout the state.

The State of Connecticut's vision for CISS includes information searches across CJIS-CT source systems through CISS and system-to-system information exchanges using standards conformance messaging. CISS uses Global Federated Identity and Privilege Management (GFIPM) claims-based user authorization in order to control access to sensitive information as defined in federal and state statutes.

This consolidated data environment will enable the State of Connecticut's criminal justice agency systems to interact seamlessly to send and receive data and documents. Systems integration through CISS will allow users to search for people, locations, events, and property across all the connected information sources from within a single user interface portal and will allow for communication expansion to share CJIS-CT with other states and federal CJIS-CT systems.

### **CISS Key Accomplishments – Period Ending December 31st, 2022**

The CJIS-CT Governing Board developed business and technical requirements that describe the anticipated components of the CISS system. The aim of CISS is to provide the State of Connecticut's criminal justice agencies with the capability to seamlessly share, integrate, and exchange data that is used to make criminal justice decisions. All project requirements and designs for the remaining CISS releases are complete. The CJIS-CT Project Management (PMO) team and the development vendor, Conduent (formerly Xerox), worked diligently testing the developer's code during the first and second quarters of 2019. Promotion to the production environment for the remaining releases in the Phase 1 scope took place during the fourth quarter of 2019.

1. The AutoCUAR solution is being replaced by the eCUAR solution. QA & Stakeholder Testing is in progress and a production date is targeted for first calendar quarter of 2023.
2. Communication with stakeholders has been consistent throughout 2022. Due to the various and informative communication channels from CJIS-CT, the Undersecretary of Criminal Justice Policy and Planning, Marc Pelka, and the Office of the Chief Court Administrator, Judge Patrick L. Carroll, found it suitable to discontinue the monthly internal CISS Project Report.
3. The CJIS-CT Roadmap Newsletter is a monthly public periodical prepared in PDF format and distributed to stakeholders via email. All newsletters are saved to the CJIS-CT website for public viewing and download. The newsletter is sent to a subscriber list of about 465 recipients. The newsletter has not been published since Q1 of 2021 as the Technical Writer position became vacant. In November 2022, a Technical Writer was hired and will be resuming the publication of the CJIS-CT Roadmap Newsletter to be published on a quarterly basis. The Technical writer will also be updating other various communication channels.

4. CISS Project Management Updates apprise readers about the monthly status of CISS development and deployment, as well as training opportunities.
5. Legislative Updates inform readers about pending and approved legislation that can impact the CISS project and the criminal justice community. Currently CJIS-CT is supporting the Police Department Records Management System (RMS) companies that sell software in the State of CT to incorporate the Judicial Statute Table changes that have occurred by providing a central statute table that can be accessed by all daily.
6. The Tiger Team concept continues to be utilized. Cooperative/collaborative “Tiger Team” working relationships are established as needed to optimize all available CISS Project resources to complete project goals and deadlines. At the time of this report, the status of CJIS-CT Tiger Teams are as follows:
  - a. DAS-Best Tiger Team Resource – Working to complete Router Connectivity for PDs. This resource will be used to work with DAS/BEST and DESPP to replace the individual CISS and COLLECT routers at each PD with a combined, dual purpose, single unit.
  - b. Judicial and Division of Criminal Justice (DCJ) Tiger Team Developer – Working with Judicial and DCJ to complete code, identify workflows, and connect to CISS.
  - c. Police department Network Configuration Tiger Team – Resources are aligned to assist police departments with connectivity
7. The Connecticut Sentencing Commission is an independent state criminal justice agency established to review, research, and make recommendations concerning Connecticut’s criminal justice system. Special Act No. 19-17 - AN ACT CONCERNING A STUDY OF THE DISPARITIES IN PRETRIAL AND SENTENCING OUTCOMES OF CRIMINAL DEFENDANTS requires the Sentencing Commission to obtain data from the criminal justice community of agencies to perform this analysis. The Connecticut Information Sharing System is a natural focal point when looking for aggregated criminal history information. Therefore, at the direction of the Criminal Justice Information System (CJIS-CT) Governing Board, and in consultation with the CJIS-CT Legal Advisory Committee, data sets were constructed and provided by CJIS-CT to the commission for analytical research in 2020. For this commission project, the research team members will not be credential users logging into the CISS System. Instead, CJIS-CT provided de-identified data sets that represent criminal histories to the research team in the CJIS-CT Analytics Infrastructure. The CJIS-CT Analytic Infrastructure is completely isolated from the CISS application and data architecture. CJIS-CT completed delivery of the first data set in July of 2020. CJIS-CT completed the expanded second data set in September of 2022 and is providing technical support through the end of 2022. The CTSC determined that additional data from DOC is needed for the study, therefore, there will be a third run of the data set in Q1 of 2023.

### **CISS Anticipated Activities – Next 180 Days (January 1, 2023 – June 30, 2023)**

We are pleased to report that all CISS releases in production are performing as expected.

The envisioned value-added benefits to public safety are reaching fruition. Both safety and cost- savings benefits are expected to increase when Phase 2 (CISS Search and Workflow Deployment Statewide) is completed by the end of calendar 2023.

1. eCUAR which is the replacement application for the previous effort called AutoCUAR did complete development at the end of Q4, 2022. The eCUAR application did enter Pilot User Review in December of Q4 2022 and then enter QA Testing by the beginning of March 2023.
2. The CJIS-CT Development team is continuing to work with Judicial and the Division of Criminal Justice (DCJ) to support development of CISS data sharing and application integration. Superior Court Operations (SCO) Clerk and Administrator Queue applications are currently undergoing testing in the User Acceptance Testing (UAT) environment.
3. New information exchange requests for CISS Workflow by CJIS-CT Agencies will be evaluated to determine if an information exchange is necessary. Agencies impacted will be identified and urgent information exchanges will be prioritized accordingly.
4. CJIS-CT will continue to work with the Office of Policy and Management to secure operational support funding for the CISS System. Development and transition to Operational funding was secured in first quarter.
5. A hybrid model for operational support has been partially implemented consisting of a mix of consultants, state employees, and a support vendor. Emphasis will continue to move to full time state employees for steady state operation of CISS. The contract labor and consulting staff will continue to decrease. Public Act 19-90 requires all Connecticut police departments to submit Use of Force reports to the Office of Policy and Management starting in February 2020, to be collected and analyzed by the Institute for Municipal and Regional Policy (IMRP currently with University of Connecticut). CJIS-CT was asked to come up with an integrated approach and a method for collecting the data currently submitted on paper foRMS and make the whole workflow electronic in the next phase of the project. The second phase of the project is to redesign the electronic form process, in coordination with POST-C, to allow the foRMS to be electronically collected and the data self-extracted into the reporting database in real-time. This Phase of the project went live in July of 2022. Phase 2 of the project was complete in Q1 of 2022 and starting in June of 2022, after IMRP roll-out and police department training the project became active. Phase 3 is now in development in Q1 of 2023 and will achieve total integration into the Police Arrest Workflow process to allow reporting to be seamless and near automatic when the report is approved by the police department supervisor.
6. The State Marshal Commission is an Executive Branch organization operating within the Department of Administrative Services with independent decision-making authority. State Marshals are sworn peace officers authorized to serve civil process and conduct executions pursuant to Connecticut General Statutes 6-38a. The Department of Motor Vehicles has a statutory obligation to provide last known address information to the State Marshal upon request. Currently, DAS manually provides DMV data to the State Marshals via a telephone hotline. The CJIS-CT Governing Board was asked to propose an alternative solution. The solution should be a secure self-service portal that will be available to the Marshal's any time on the internet. CJIS-CT has completed the State Marshal Portal and will continue development as the Stakeholders require. The portal is performing very well since the go live in Q4 of 2020.

By Q3 of 2022 the Marshals have reached a great accuracy of 50% positive hit rate using the

tool. The next Phase of the Project is beginning in Q1 2023 to add additional features and capabilities to the Portal Tool.

7. The Connecticut Sentencing Commission is an independent state criminal justice agency established to review, research, and make recommendations concerning Connecticut's criminal justice system. Special Act No. 19-17 - AN ACT CONCERNING A STUDY OF THE DISPARITIES IN PRETRIAL AND SENTENCING OUTCOMES OF CRIMINAL DEFENDANTS requires the Sentencing Commission to obtain data from the criminal justice community of agencies to perform this analysis. The Connecticut Information Sharing System is a natural focal point when looking for aggregated criminal history information. Therefore, at the direction of the Criminal Justice Information System (CJIS-CT) Governing Board, and in consultation with the CJIS-CT Legal Advisory Committee, data sets for Phase 1 were constructed and delivered in 2020 by CJIS-CT to the commission for analytical research. CJIS-CT- CT completed the expanded second data set in September of 2022 and is providing technical support through the end of 2022. Additional data from DOC has been determined as necessary by the CTSC for the study, CJIS-CT is currently planning for the inclusion of the additional data and then will re-publish the entire de-identified dataset for the CTSC study.



## RMS Certification

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### RMS Certification — Background

Records Management System (RMS) Certification is a collection of guidelines, programming, and processes intended to ensure law enforcement agencies can efficiently, securely, and effectively exchange criminal justice information between their RMS systems and other Connecticut law enforcement and criminal justice agencies using CISS. Private sector RMS companies provide the Records Management Systems (RMS) and data warehousing services for municipal police organizations and Connecticut State Police Troops. The CJIS-CT Project Management Team has been working with multiple RMS vendors that have made contractual commitments to upgrading their proprietary RMS technology to comply with CISS Workflows and data exchange. Although their business purposes are the same, the proprietary systems developed by each RMS vendor are unique and are purchased separately by each police department and Law Enforcement Agency (LEA). Each RMS vendor represents a separate CJIS-CT project engagement that requires extensive CJIS-CT Team interaction and mutual integration activities for software development, testing, and certification. Level 1 specification is for the RMS Vendor to be able to collect the information about an active arrest during the Booking Process at the PD and send the information in real-time as an Early Arrest Notification (EAN) to CISS. Level 2 integration is the full specification to send a complete set of arrest paperwork electronically to CISS which then distributes the documents to the Court, the Prosecutors, the Defenders, etc. as a set of electronic workflows. Level 2 is designed to allow Police Department (PD) and Law Enforcement Agencies (LEA) to process arrests electronically and not have to package up the entire set of RMS and paperwork and the have an officer drive the Arrest Package to the courthouse for manual processing and photocopy distribution to the Criminal Justice organizations.

### RMS Certification Key Accomplishments – Period Ending December 31, 2022

Level 1 Early Arrest Notification Development - Additional progress was made with law enforcement agencies and their RMS vendors toward sending Early Arrest Notifications to CISS. RMS Certification Key Accomplishments for the period ending December 2022, were as follows:

1. At the end of December 2022, a fourth RMS Vendor, IMC (which is one of the Central Square solutions) entered Pilot Certification testing at Brookfield PD. CISS Certification should be obtained in Q1 of 2023. Previously three (3) RMS Vendors have completed the Level 1 development for integration with CISS for sending Early Arrest Notifications from their customer Police Department RMS. NexGen, Accucom, and IMC have completed this step and are L1 certified by the CJIS-CT Team.
2. CJIS-CT is in negotiations with the Central Square, the parent company which operates a total of 4 different RMS systems in the State of CT, IMC is one of them. The negotiations took a hiatus in 2022 but will need to be restarted in 2023 to get one or more of the other RMS systems started in the CISS integration.

**Level 1 Early Arrest Notification Deployment** – the deployment of Level 1 is integrated with NexGen’s effort to deploy Level 2. As soon as IMC receives certification it will be able to deploy L1 to all its RMS customers.

1. Currently 20 Police Departments are submitting Level 1 Early Arrest Notifications into CISS in Production and the deployment will continue throughout 2023.
2. IMC is expected to obtain Level 1 certification in Q1 of 2023 using the Pilot at Brookfield PD and then be able to deploy the Early Arrest Notification electronic submissions to the rest of their customer fleet.

**Level 2 Arrest Package Development** – Significant advancements were made related Electronic Arrest paperwork workflows, RMS Certification Key Accomplishments for the period ending December 2022, were as follows:

1. Clinton PD had volunteered to be the pilot site in Q3 of 2020 with a Test RMS Server. In Q2 of 2022 Clinton PD was cleared to submit electronic arrest paperwork electronically in parallel with continuing to deliver the paper copies to the Courthouse for manual processing and comparison. Integrated multi-agency testing within GA-9 completed in 2022. The Uniform Arrest Package to CISS and receipt and consumption of Judicial Disposition and Case Update Messages with the Clinton Police Department is also complete. DCJ and DESPP also completed testing the CISS Workflow records they are receiving and validating the correct consumption of the Source System records. Clinton is in Full Electronic L2 Arrest Submissions at the end of Q4 2022.
2. Accucom initiated its Level 2 (L2) Workflows development cycle and is dedicating increased software development efforts to L2 workflows integration with CISS. The L2 kickoff session with Accucom occurred on June 28, 2019, at CJIS-CT Headquarters. Originally targeted for a six-month development cycle, the earliest completion target is now the Q1 of 2023. The speed of progress in the effort has been escalated several times in attempts to keep the schedule from slipping. Accucom has completed the main portion of the publishing electronic arrest packages and the CJIS-CT-CT team have validated and certified that work. The remainder of the work for Consumption of messages and electronic Transmittals is not expected to be fully developed and certified until Q1 of 2023. Accucom is still on track to complete development in Q1 2023 and then enter L2 Certification Pilot phase by Q2 2023 with the Plainville PD.
3. IMC from the Central Square Group has initiated working under contract with the CJIS-CT Group to integrate their RMS System with CISS. Level 1 Early Arrest began at the beginning 2021 and is progressing well and was completed on track to the schedule at the end of 2021. It is anticipated that Level 2 Arrest Paperwork integration will begin at the beginning of 2022 and complete by the end of 2022. Level 2 certification schedule has slipped to Q3 of 2023 with deployment to production to start by the end of 2023.

### **RMS Certification and Deployment Anticipated Activities – Next 180 Days (January 2023 through June 2023)**

**Level 1 Early Arrest Notification Development** – substantial progress is anticipated in Q1 and Q2 to be made with law enforcement agencies and their RMS vendors toward sending Early Arrest Notifications to CISS. RMS Certification Key Accomplishments expected for the next the period, ending June 2023, are:

1. IMC from the Central Square Group has initiated a qualification pilot at the Brookfield PD following the previously used Pseudo-Prod server methodology by running in the UAT environment over the PSDN encrypted network. CJIS-CT Certification should be given by the end of Q1 with a full L1 deployment completed in Q2 in production.

2. Contract discussions and technical sessions for CISS Workflows will continue with other non-participating RMS vendor companies. CJIS-CT has an objective to achieve above a 98 percentage electronic success rate of electronic arrest records managed by the private RMS vendor companies who are the holders of record for arrest data from the State Police and municipal police departments within the State of Connecticut. The requirement is that CISS will electronically deliver greater than 90% of arrest workflow information.
3. CJIS-CT is exploring the possibility of providing a lightweight interface for all PDs who have an RMS that is not integrated with CISS directly. The interface would provide a basic means to submit and electronic arrest and it associated documents to CISS.
4. The CT State Police are expected to enter the into the final approval stage for Level 1 to become activated in Q2 of 2023. This will be a large volume of new alerting. The two main use cases for Early Arrest Notifications are for all PDs to be notified that a person of interest has been detained by another agency giving them an immediate channel to contact the arresting agency. The second, main use case is for agencies that need to take required legal steps for certain types of arrests, e.g., DMV must rapidly pull the licenses for School Bus Drivers who are arrested for DWI.
5. Norwich PD has selected a new RMS Vendor to the State of CT, Motorola. CJIS-CT has reached out to Norwich and Motorola to become involved with the integration plans for the overall State of CT workflows. The CJIS-CT Team will participate with Norwich as their project progresses.

**Level 2 Arrest Package Development** – Overall good progress was made with RMS vendors toward completing the development effort to send Electronic Arrest Paperwork to CISS. RMS Certification Key Accomplishments expected for the next the period, ending June 2023, are:

1. NexGen and Clinton PD completed the full integration multi-agency testing in 2022 and went live in Production at the end of 2022. This paves the way for the rest of the NexGen customers to go live in 2023 per the CJIS-CT deployment planning. The PDs in GA-9 are expected to be live in production in Q1 of 2023.
2. Accucom is completing working through the fundamental pieces of the Level 2 CISS workflow integration specification. Significant progress was made in Q4 2022 with validation testing for some of the contract milestones. It is expected that Accucom will be near completion of Level 2 development by the end of Q1 of 2023 and the CJIS-CT verification activities will be complete by the end of the Q1 2023 period allowing the move into Pilot Testing at the Plainville PD.
3. IMC is completing Level 2 validation testing in Q1 and Q2 of 2023.

The Tables below provide the Level 2 Deployment Plans and Schedules:

Table 1. 1: NexGen RMS

JD	CJIS Team	GA	Projected Completion Date	Notes
Middlesex	Team A	GA 9 - Middletown	1/27/2023	5 PD's
Waterbury	Team A	GA-4 Waterbury	2/17/2023	4 PD's
Ansonia/Milford	Team A	GA-5 Derby	3/31/2023	4 PD's
New Britain	Team A	GA-15 New Britain	6/2/2023	4 PD's
New Haven	Team A	GA-23 New Haven	7/28/2023	6 PD's
New Haven	Team B	GA-7 Meriden	7/21/2023	5 PD's
Fairfield	Team A	GA-2 Bridgeport	9/1/2023	4 PD's
Hartford	Team A	GA-12 - Manchester	9/8/2023	4 PD's
Hartford	Team B	GA-13 Enfield	9/29/2023	4 PD's
Hartford	Team A	GA-14 Hartford	9/6/2023	5 PD's
Danbury	Team A	GA-3 Danbury	10/27/2023	3 PD's
Tolland	Team A	GA-19 Tolland	10/27/2023	Statewide CSP
Windham	Team A	GA-11 Windham	10/27/2023	Statewide CSP
New London	Team A	GA-10 New London	10/27/2023	Statewide CSP
Litchfield	Team A	GA-18 Torrington	10/27/2023	Statewide CSP

Table 1. 2: Accucom RMS

JD	CJIS Team	GA	Projected Completion Date
Tolland	Team A	GA-19 Tolland	9/8/2023
Waterbury	Team A	GA-4 Waterbury	9/22/2023
Ansonia/Milford	Team B	GA-22 Milford	10/20/2023
Stamford	Team B	GA-20 Norwalk	11/10/2023
Litchfield	Team A	GA-18 Torrington	12/8/2023
New Britain	Team A	GA-15 New Britain	12/22/2023
Fairfield	Team A	GA-2 Bridgeport	1/5/2024
Hartford	Team B	GA-13 Enfield	1/19/2024
Danbury	Team A	GA-3 Danbury	2/2/2024

Table 1. 3: IMC RMS

JD	CJIS Team	GA	Projected Completion Date
Windham	Team A	GA-11 Windham	9/5/2023
New London	Team A	GA-10 New London	10/20/2023
New London	Team B	GA-21 Norwich	11/10/2023
Litchfield	Team A	GA-18 Torrington	11/24/2023
New Britain	Team A	GA-15 New Britain	12/1/2024
Hartford	Team A	GA-12 - Manchester	12/15/2024
Hartford	Team B	GA-13 Enfield	12/29/2024
Danbury	Team A	GA-3 Danbury	1/12/2024

## **CJIS-CT CISS Network Connectivity: Workflow & CISS Search**

### **CISS Search Network – Background**

A comprehensive project plan for CISS onboarding was completed during the third quarter of 2018 and has been used to manage the deployment plan during 2019 and 2020. In January 2021, an updated onboarding deployment plan was created including protocols for CJIS-CT Router connectivity and connection to CISS.

As of December 2022, 97 police departments were in Phase 1 and 2 for finished or scheduled connectivity tasks to allow communication with CISS over the CJIS-CT Router located at each police department.

In the currently updated 2022 deployment schedule, 205 sites will be audited to assess their eligibility for future connectivity. Some of these sites may correspond to a particular Law Enforcement Agency (LEA) if the Agency has CJIS-CT-associated routers in multiple sites.

**New Combined COLLECT | CJIS-CT Router:** Some of the CJIS-CT routers previously installed at local police departments reached their end-of-life period December 31, 2022. Although these routers still function, CJIS-CT is working with DESPP and DAS/BITS on a technology replacement plan for all standalone CJIS-CT and standalone COLLECT Routers. An upgraded router replacement plan will provide CISS Workflows-compliant equipment to the half dozen police departments not in possession of a CJIS-CT Router. At least 50 additional upgraded routers are requested.

From this point forward, all CJIS-CT connectivity will focus on enabling the new combined CJIS-CT | DESPP routers mentioned above that are replacing the older and separate standalone COLLECT and CJIS-CT routers, collectively.

**Calendar Quarter 3: July – October 2022:** In January 2021, CJIS-CT created an extensive customer-centered “CISS Service Excellence” initiative with four groups of 11 Police Departments per calendar year on average. It is divided into four calendar quarters equal to 2021 Group A (Quarter 1), 2021 Group B (Quarter 2), 2022 Group C (Quarter 3), 2022 Group D (Quarter 4), 2022 Group E (Quarter 1), 2022 Group F (Quarter 2), 2023 Group G (Quarter 3), for example. Currently, CJIS-CT manages a schedule for Group A through Group M.

Customer CISS Service Excellence Initiatives involve either the start, the restart, or the finalizing of (a) CISS training, (b) CISS IT Connectivity, (c) general CISS help requested, (d) help with CISS searches, or (e) all / some of the above.

The Customer CISS Service Initiative also began detailed, extensive, CJIS-CT internal onboarding team auditing and assessing for every Agency, regardless of whether they were fully onboarded in the past, to see if any significant changes had occurred that required mitigation.

CISS users are selected by each agency head based on job description and duties. Selected users must complete CISS Authorization Training and pass the CISS certification exam to receive access rights and user credentials to use the CISS Search Portal User Interface.

Table 2 provides the progress update for CISS Connectivity and Training.

□ Report of the Status of the Criminal Justice Information System (CJIS-CT) to the Connecticut

Table 2. 1: CISS Connectivity and Training Progress Update

CISS Connectivity and Training Progress Update			
	Previous Progress January 2022 - June 2022	Current Connectivity Progress July 2022 - December 2022	Current Training Progress July 2022 - December 2022
<b>Group A</b>	<p><b>Connectivity:</b> 10 of 11* (91%) Agencies (DMV excluded) were reported to be upgraded to combined routers.</p> <p><b>Training:</b> 50% of Group A Agencies are trained at 100%B5:B12</p>	<p><b>Connectivity:</b> 10 of 10** (100%) agencies are reported to be upgraded to combined routers and connected to CISS Search.</p> <p><b>*CJIS-only router:</b> 1 PD remains on a CJIS only router. (Westport PD)</p> <p><b>**Upgraded routers:</b> (Avon   Branford   New Haven   East Lyme   West Hartford   State Capitol***   Windsor   Wolcott   Bristol   Southington PDs )</p> <p><b>***Changes:</b> State Capitol Police has been added to the change control log for reconnection at a later date.</p>	<p><b>Training:</b> 10 of 10 Group A agencies are trained and certified at 100%</p> <p><b>Completed:</b> (Avon   Branford   New Haven   East Lyme   West Hartford   State Capitol   Windsor   Wolcott   Bristol   Westport PDs )</p>
<b>Group B</b>	<p><b>Connectivity:</b> 7 of 7 Group B Agencies (100%) were connected to CISS Search and upgraded to combined routers</p> <p><b>Training:</b> 57% of Group B Agencies are trained at 100%</p>	<p><b>Connectivity:</b> 7 of 7 Group B agencies (100%) remain connected to CISS Search with upgraded combined routers</p> <p><b>Upgraded Routers:</b> (Coventry   Groton Town   Naugatuck   South Windsor   Suffield   Bridgeport   Cheshire PDs*)</p>	<p><b>Training:</b> 5 of 6* (83%. Excluding Cheshire PD) Group B agencies are trained and certified at 100%</p> <p><b>Completed:</b> (Coventry   Groton Town   Naugatuck   South Windsor   Bridgeport PDs)</p> <p><b>In process:</b> (Suffield PD)</p> <p><b>*Changes:</b> Any future unified (connectivity and training) deployment schedule may not show Cheshire PD in Group B to reflect future training.</p>
<b>Group C</b>	<p><b>Group C Progress Update: On Pause for Workflow project.</b></p>	<p><b>Group C Progress Update: On Pause for Workflow project.</b></p>	<p><b>Group C Progress Update: On Pause for Workflow project.</b></p>
<b>Group D</b>	<p><b>Connectivity:</b> By July 2022, 10 out of 10 (100%) Group D sites were fully connected to CISS Search in any compliant manner. A total number 7 of 10 sites were upgraded to a combined router.</p> <p><b>Training:</b> 27% of Group D Agencies are trained at 100%</p>	<p><b>Connectivity:</b> 10 of 10* (100%) sites are reported to be connected in any compliant manner to CISS Search. (Watertown   Danbury   East Hartford   East Windsor   Enfield   Waterbury   Wilton   Woodbridge   Middletown (Dispatch)   Simsbury PDs)</p> <p><b>CJIS-only Router:</b> 2 of 10 sites remain on older CJIS-only routers. (Danbury   Wilton PDs)</p> <p><b>COLLECT-only Router:</b> 1 of 10 sites remain on an older COLLECT-only router. (Waterbury PD)</p> <p><b>Upgraded Router:</b> 7 of 10 sites were upgraded to combined routers and connected to CISS Search. (Watertown   East Hartford   East Windsor   Enfield   Woodbridge   Middletown*   Simsbury PDs)</p> <p>*Dispatch location</p>	<p><b>Training:</b> 3 of 9 (33.3%) of Group D sites are trained and certified at 100%.</p> <p><b>Completed:</b> (Woodbridge   East Windsor   Enfield PDs)</p>
<b>Group E</b>	<p><b>Group E Agencies:</b> 6 Agencies (CCSU, Greenwich PD, Norwich PD, Stonington PD, UCONN, and Vernon PD).</p> <p><b>Connectivity:</b> By July 2022, 6 of 6 (100%) Group E Agencies were fully connected to CISS Search in any compliant manner. 4 of 6 sites were upgraded to a combined router.</p> <p><b>Training:</b> 33-67%* of Group E Agencies are trained at 100%</p> <p>*Final percentage depends on Agencies' final approval of completion</p>	<p><b>Connectivity:</b> 10 of 10* (100%) sites are reported to be connected in any compliant manner to CISS Search. (Watertown   Danbury   East Hartford   East Windsor   Enfield   Waterbury   Wilton   Woodbridge   Middletown (Dispatch)   Simsbury PDs)</p> <p><b>CJIS-only Router:</b> 2 of 10 sites remain on older CJIS-only routers. (Danbury   Wilton PDs)</p> <p><b>COLLECT-only Router:</b> 1 of 10 sites remain on an older COLLECT-only router. (Waterbury PD)</p> <p><b>Upgraded Router:</b> 7 of 10 sites were upgraded to combined routers and connected to CISS Search. (Watertown   East Hartford   East Windsor   Enfield   Woodbridge   Middletown*   Simsbury PDs)</p>	<p><b>No additional progress updates at this time.</b></p>

Table 2. 1: CISS Connectivity and Training Progress Update continued:

<p><b>Group F</b></p>	<p><b>Group F Agencies:</b> 5 sites (4 PDs + 1 Dispatch Center-Bridgeport ECC, Brookfield PD, Milford PD, New Milford PD, and Orange PD).</p> <p><b>Connectivity:</b> By July 2022, 5 of 5 (100%) Group F sites were fully connected to CISS Search in any compliant manner. 1 of 5 sites were upgraded to a combined router.</p> <p><b>Training:</b> 25% of Group F Agencies are trained at 100%</p>	<p><b>Connectivity:</b> 4 of 5 (80%) Group F sites were connected to CISS Search in any compliant manner.</p> <p><b>CJIS-Standalone Router:</b> 1 of 5 sites. (Orange PD)</p> <p><b>COLLECT-Only Router:</b> 2 of 5 sites (New Milford PD and Bridgeport*)</p> <p><b>Upgraded Router:</b> 1 of 5 sites were upgraded to a combined router and connected to CISS Search. (Brookfield PD)</p> <p><b>Changes:</b> Milford PD is working on their internal network (firewall). They do not have full connectivity to CISS Search as a result.</p> <p>*Dispatch Center</p>	<p><b>No additional progress updates at this time.</b></p>
<p><b>Group G</b></p>	<p>No previous updates to provide.</p>	<p><b>Connectivity:</b> 9 of 9 (100%) Group G sites were connected to CISS Search in any compliant manner</p> <p><b>Upgraded Router:</b> 5 of 9 sites were upgraded to a combined router and connected to CISS Search. (Berlin   Manchester   Middlebury   Newington PDs   and the new Fairfield County Regional Dispatch Center (FCRD))</p> <p><b>CJIS-Standalone Router:</b> 4 of 9 sites. (East Haven*   Hartford   New Britain   Torrington PDs)</p> <p>*<b>Changes:</b> East Haven PD has been added to the change control log. It was previously connected to CISS Search. They appear no longer connected.</p>	<p><b>Training:</b> 5 of 9 (56%) Group G sites are trained and certified in CISS Search.</p> <p><b>Completed:</b> (Berlin   Hartford   Manchester   Middlebury   Torrington PDs)</p> <p><b>In Process:</b> (East Haven   New Britain   Newington PDs   FCRD)</p>
<p><b>Group H</b></p>	<p>No previous updates to provide.</p>	<p><b>Connectivity:</b> 8 of 9 (89%) of Group H agencies were connected to CISS Search in any compliant manner.</p> <p><b>Upgraded Router:</b> 5 agencies were upgraded to a combined router and connected to CISS Search. (Bethel   Fairfield   North Haven   Portland   and Rocky Hill PDs)</p> <p><b>CJIS-Standalone Router:</b> 3 of 9 agencies. (Farmington   Guilford   and Plainville PDs)</p> <p><b>Pending Connectivity:</b> 1 of 9 agencies (Stratford PD)</p>	<p><b>Training:</b> 5 of 9 (56%) agencies are trained and certified in CISS Search.</p> <p><b>Completed:</b> (Farmington   Guilford   North Haven   Plainville   Stratford PDs)</p> <p><b>In Process:</b> (Bethel   Fairfield   and Rocky Hill PDs)</p> <p><b>Pending Training:</b> Portland PD*</p> <p>*Portland PD is a part of the GA9 PDs. CISS Search training is on pause for GA9 agencies because of the Workflow Project.</p>

**Total All Time Connectivity:** CJIS-CT is still validating the number of Police Departments that have ever had full CISS Search connectivity in the history of CJIS-CT until the end of Quarter 4 2022.

Thus far, 75 of 95 targeted agencies (not counting State Police and additional connected PDs not in Phase 1) that had been reported as part of an original Phase 1 Onboarding Deployment are connected/reconnected to CISS Search.

A connectivity data map can be seen at: <https://dashboard.CJIS-CT-ciss.ct.gov/Map>

**Total All Time Trained:** At the end of the 4<sup>th</sup> Calendar quarter 2022, CJIS-CT-CT trained and certified 3,190 learners.

**Current Year General Statistics:** In Calendar Year January-December 2022 the Deployment Project Team is working with 51 Agencies at various steps in the deployment process. CJIS-CT has two Public Safety Liaisons actively communicating with police departments and working each one through the onboarding project plan. CJIS-CT provides the necessary resources for CISS classroom training, webinars, computer-based training, and centralized CISS training locations for law enforcement. Additional Public Safety Liaisons would enable CJIS-CT to engage with more police departments simultaneously, in turn that would accelerate the onboarding results.

### **CISS Search Network Key Accomplishments – Period Ending December 31, 2022**

1. At the end of the period for December 2022, CJIS-CT Customer Service Excellence Initiative has assisted 70 law enforcement and criminal justice agency locations (e.g., 911 Dispatch Centers and Police satellite locations) with CISS Search onboarding (i.e., training, certification, and usage).

### **CISS Network Anticipated Activities – Next 180 Days (January 1, 2023 to June 30, 2023)**

1. CJIS-CT aims to assist and onboard an additional 12 agencies in 2023.
2. By Q1 of 2023, 80 of 95 municipal locations will be connected to CISS Search. In a Phase 2 deployment plan, another 14 municipal locations have been targeted for CISS Search connectivity in Q3 and Q4 of 2023, and Q1 of 2024.

### **Workflow Network Key Accomplishments – Period Ending December 31, 2022**

1. CISS L2 Workflow Deployment Planning continued in Q3 and Q4 of 2022. Solid plans were executed between all participating Stakeholder Agencies for the GA-9 Court system go-live with actual electronic arrest packets from the Clinton PD in real-time. The Judicial Branch (JD), Division of Criminal Justice (DCJ), CJIS-CT, and law enforcement agencies will each verify that the data delivered electronically through CISS matches the physical paperwork that the officers drive and deliver to the courthouse.

### **Workflow Network Anticipated Activities – Next 180 Days (January 1, 2023 to June 30, 2023)**

1. As part of GA-9 (Middletown, DCJ, JD) Go-Live, the Cromwell PD will be the second PD to begin sending in electronic arrest paperwork through CISS after the Clinton PD moves from the UAT Pilot into Production.
2. CSP is evaluating a plan to complete pilot testing by the end of Q2. In June 2023, CSP will start deployment for each of the Troop locations, targeting completion by the end of Q2. Due to the strict schedule and size of the organization, the scope of this project will be thoroughly evaluated.



## **CJIS-CT-CT Infrastructure**

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### **CJIS-CT-CT Infrastructure – Background**

Connecticut CJIS-CT underlying Enterprise Infrastructure is the core of CISS which provides computing, storage, and performance needs. The original Infrastructure was put in place back in 2012 and over time became obsolete. Hardware and network refresh projects were initiated by CJIS-CT Solutions Architect. CJIS-CT Enterprise Infrastructure includes System Center Suite to manage and overview hardware, software and applications and is used to automate and monitor many aspects of CISS.

### **CJIS-CT Infrastructure Key Accomplishments – Period Ending December 31, 2022**

1. New Hyper-Converged Infrastructure (HCI) replaced three-tier architecture for all CJIS-CT environments.
2. New management cluster based on HCI technology was procured and deployed in Groton Data Center. Management workflows migration to the new cluster 100% completed.
3. Management, monitoring and automation System Center Suite upgrade project started to comply with the “current minus one” software versioning policy
4. The project to improve network security is started. CJIS-CT procured and preparing new CheckPoint three-node firewall cluster to improve security and network performance. Modern approach includes joining CJIS-CT units to DAS BITS Maestro cluster to improve manageability.
5. Initiated network redesign project to include Springfield Data Center as a warm independent site in case of complete Groton Data Center failure. Quotes for two-node CheckPoint cluster gathered and the project is in planning phase.
6. Springfield Data Center servers migration to HCI cluster was kicked off in collaboration with DELL and DAS BITS.
7. Key CISS components (webMethods ESB and SharePoint) are undergoing migration to the latest versions. SYSTEST migration and cutover is completed for webMethods. UAT is build and prepared for the cutover.
8. Microsoft Endpoint Configuration Manager deployed and pre-configured.
9. Virtual load balancing appliance was acquired and deployed to handle internal load balancing needs and to achieve high availability and redundancy for components installed in GDC and SDC.
10. SharePoint 2019 consolidation project is initiated to save money and resources on manageability, programming and monitoring, and to allow faster web resources promotion, and to achieve the goal of zero downtime during minor routine maintenance.
11. System Center upgrade to the latest version is undergoing (2022) to improve automation, monitoring and management.
12. New eCUAR system to replace IBM SIM/SAM, based on Microsoft Azure front door and System Center Service Manager and unit testing phase is undergoing. eCUAR system is integrated with the State SABA learning system to achieve SSO capability and users training certificate validation, and to improve CISS usability.
13. CISS Internet access project is underway and focus groups identified to test from agencies side.
14. CISS SharePoint migration and consolidation with CJIS-CT-CT SharePoint Community Portal/Project Server moved to UAT.

15. Connecticut CJIS-CT hired GRC Analyst to perform gap analysis on security policies, to perform scheduled vulnerabilities/penetration tests, and to comply with audit requirements.
16. Introduced and deployed F5 Web Application Firewall and geofencing to improve network security.

**CJIS-CT Infrastructure Anticipated Activities – Next 180 Days (January 1, 2023 to June 30, 2023)**

1. Complete System Center upgrade and migration project to improve monitoring and automation.
2. Initiate the new network design to acquire new CheckPoint firewalls for Springfield and to build redundancy across two State of Connecticut Data Centers and achieve the goal of disaster recovery and business continuity.
3. Continue to improve management and automation process with System Center Suite.
4. Completed eCUAR development, unit testing, and move to QA
5. CISS SharePoint to be upgraded to 2019 version in UAT and consolidated with CJIS-CT-CT SharePoint Community Portal/Project Server. Deploy consolidated SharePoint farm in Production and migrate CJIS-CT Community Portal/Project Server.
6. Complete the upgrade of SoftwareAG webMethods from v10.5 to v10.11.
7. Planning and designing the upgrade of MultiVue 4.5 to the latest version 7.x. Involve Civica to build POC and plan the migration to the latest version. Improve matching and merging algorithms.
8. Create automated vulnerabilities/penetration scans of CISS UAT/Production environments.
9. Deploy upgraded HCI system to Springfield Data Center.
10. Improve network security by revising internal firewall rules.
11. Open CISS to secure Internet access per upper management request after focus groups testing completion.
12. Migrate Splunk Enterprise to the new platform to improve query run time.

## CISS – Conclusion

As CISS Search is fully deployed to 6,912 Search users, and CISS Workflows are fully deployed to CJIS-CT Partner Agencies statewide, we expect to realize the envisioned improvements for the safety of the public and law enforcement officers. The envisioned cost savings of approximately \$15 million per year will be gained through more efficient, computer-assisted workflows. Valuable information will be collected for analysis that will enable policymakers to use data to identify successful programs and areas for improvement, as well as develop new approaches to criminal justice in Connecticut.

### CISS Search

CISS Search Source Systems and current status of the Search Releases are as follows in Table 3. 1:

Search Release	Scope	Status as of December 31, 2022
Release 1	PRAWN & OBIS Search	Deployed
Release 3	POR & CRMVS Search	Deployed
Release 6	CIB (including ticket images) & DOC/BOPP Case Notes Search	Deployed
Release 10	MNI/CCH & Weapons* Search	Deployed
Release 9	DMV, SOR, Wanted*, CMIS (JUD) Search	Deployed
Release 5	RMS and ECM Search	Deployed

**Table 3. 1** Represents the historical software releases for CISS Search, the source systems integrated for each release of CISS Search and the status of each release as of December 31, 2022.

\*As of June 2021, DESPP has upgraded both the Weapons and Wanted servers and has been working to reconnect both source systems to the CISS. Currently, both systems are not being updated daily in CISS Search. CJIS-CT is working with DESPP to correct this problem.

### CISS Workflows

CISS Workflows include Release 2 (R2), R2.1 Enhancement, and Release 11 (R11), the components and status of each Workflows release are seen below in Table 3. 2::

Release	Scope	Status as of December 31, 2022
Release 2	UAR & Misdemeanor Summons -Early Arrest Notice	Deployed
Release 2.1	UAR & Misdemeanor Summons -Early Arrest Notice Update	Deployed
Release 11	UAR & Misdemeanor Summons Arrest Paperwork, Post Arrest, Arraignment, Disposition, and Post Judgement Information Exchanges	Deployed
Release 11.1	UAR & Misdemeanor Summons Arrest Paperwork Insert/Update/Delete functionality	Deployed
Release 11.3	UAR & Misdemeanor Data validation enhancements	Deployed

**Table 3. 2** Represents the historical software releases for CISS Workflows, data transmitted for each Workflow release and the status of December 31, 2022.

### CISS Workflows – Overall Status

The Current CISS Workflows include Release 11 (R11), R11.4 Enhancement, and future releases that will be included in the next CISS version. The components and status of each Workflows release are seen below in Table 3. 3:

CISS Workflow	Status	Release		Date
Early Arrest Notices	In Production	Release 11	✓	
Arrest Paperwork	In Production	Release 11	✓	
Schedule Notification	In Production	Release 11	✓	
Disposition (Erasure)	In Production	Release 11	✓	
Case Update	In Production	Release 11	✓	
CIB Infraction Disposition Exchange	In Production	Release 11.4	✓	
DCJ Document Service Exchange	In Production	Release 11.4	✓	
Cannabis Legislation - Case Update	In Production	Release 11.4	✓	
Clean Slate Erasure Notifications	In Production	Release 11.4	✓	
Parole Decision	On Hold	Future Release		Next CISS Versions
Release Decision	On Hold	Future Release		Next CISS Versions
Pardon Decision	On Hold	Future Release		Next CISS Versions
Continuance Mittimus	On Hold	Future Release		Next CISS Versions

**Table 3. 3** Represents the current software releases for CISS Workflows, data transmitted for each Workflow release and the status of December 31, 2022.

## Appendix A – Acronyms

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AFIS = Automated Fingerprint Identification System  
AST = Application Support System  
BEST = Bureau of Enterprise Systems and Technology  
BICE = Bureau of Immigration and Customs Enforcement  
BOPP = Board of Pardons and Paroles  
CAA = Community Agency Administrator  
CAD = Computer Aided Dispatch  
CBT = Computer Based Training  
CCH = Computerized Criminal History (DESPP)  
CIB = Centralized Infraction Bureau (Judicial)  
CIDRIS = CT Impaired Driver Records Information System  
C-ISO = CJIS-CT Information Officer  
CISS = CT Information Sharing System  
CIVLS = CT Integrated Vehicle & Licensing System  
CJIS-CT = Criminal Justice Information System  
CJPPD = Criminal Justice Policy Development and Planning Division  
CMIS = Case Management Information System (Judicial - CSSD)  
COLLECT = CT On-Line Law Enforcement Communications Teleprocessing Network (DESPP)  
CPCA = CT Police Chiefs Association  
CRCOG = Capital Region of Council of Governments  
CRMVS = Criminal Motor Vehicle System (Judicial)  
CSO = CT Information Security Officer  
CSSD = Court Support Services Division (Judicial)  
CUAR = CISS User Authorization Request  
DCJ = Division of Criminal Justice  
DAS = Dept. of Administrative Services  
DESPP = Dept. of Emergency Services and Public Protection  
DEMHS = Dept. of Emergency Management and Homeland Security  
DMV = Dept. of Motor Vehicles  
DMV LOBS = Dept. of Motor Vehicles / Line of Business  
DOC = Department of Correction  
DOIT = Dept. of Information Technology  
DPDS = Div. of Public Defender Services  
Enhanced CBT = Instructor Led CBT (POST)  
FOIA = Freedom of Information Act  
GFIPM = Global Federated Identity and Privilege Management (security standard used by FBI)  
JMI = Jail Management System  
JUD = Judicial Branch  
LASO = Local Agency Security Officer  
LEA = Law Enforcement Agency  
LIMS = State Crime Laboratory Database  
MNI = Master Name Index (DESPP)  
OBIS = Offender Based Information System (DOC)  
OBTS = Offender Based Tracking System  
OCPD = Office of Chief Public Defender  
OVA = Office of the Victim Advocate  
OVS = Office of Victim Services

OSET = Office of Statewide Emergency Telecommunications  
POR = Protection Order Registry (DESPP)  
PRAWN = Paperless Re-Arrest Warrant Network (Judicial)  
PSDN = Public Safety Data Network  
RMS = Records Management System  
SCO = Superior Court Operations Div. (Judicial)  
SLEO = Sworn Law Enforcement Officer  
SOR = Sex Offender Registry (DESPP)  
SPBI = State Police Bureau of Identification (DESPP)  
SLFU = Special Licensing of FireARMS Unit (DESPP)  
TAC = Terminal Access Coordinator  
UAR = Uniform Arrest Report

### Technology Related

ADFS = Active Directory Federated Services  
API = Application Program Interface  
COTS = Computer Off the Shelf (e.g., software)  
DNS = Domain Name System  
ECM = Electronic Content Management  
ETL = Extraction, Transformation, and Load  
FIM = Forefront Identity Manager (Microsoft)  
GUI = Graphical User Interface  
HAC = High Availability Clusters  
IAFIS = Integrated Automated Identification System  
IEPD = Information Exchange Package Document  
IExUI = Information Exchange User Interface  
IST = Infrastructure Support Team  
I-SIM = IBM Secure Identity Manager  
IST = Infrastructure Support Team  
LAN = Local Area Network  
LMS = Learning Management System  
MFA = Multi-Factor Authentication  
NAT = Network Address Translation  
ORI = Originating Agency Identification  
PCDN = Private Content Delivery Network  
POC = Proof of Concept  
RDB = Relational Database  
SAN = Storage Area Network  
SCOM = Systems Center Operations Manager  
SDLC = Software Development Life Cycle  
SDM = Software Development Model  
SME = Subject Matter Expert  
SOA = Service Oriented Architecture  
SQL = Structured Query Language

## Appendix B – Table of Figures

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Table 1. 1: NexGen RMS .....	19
Table 1. 2: Accucom RMS .....	19
Table 1. 3: IMC RMS .....	19
Table 2. 1: CISS Connectivity and Training Progress Update .....	21
Table 3. 1 Represents the historical software releases for CISS Search, the source systems integrated for each release of CISS Search and the status of each release as of December 31, 2022. ....	26
Table 3. 2 Represents the historical software releases for CISS Workflows, data transmitted for each Workflow release and the status of December 31, 2022.....	26
Table 3. 3 Represents the current software releases for CISS Workflows, data transmitted for each Workflow release and the status of December 31, 2022.....	27