



Enterprise Service Bus Program

Integrated Justice “Bus” Initiatives

Quarterly Report: Q4 2017

Bureau of Technology



Enterprise Service Bus

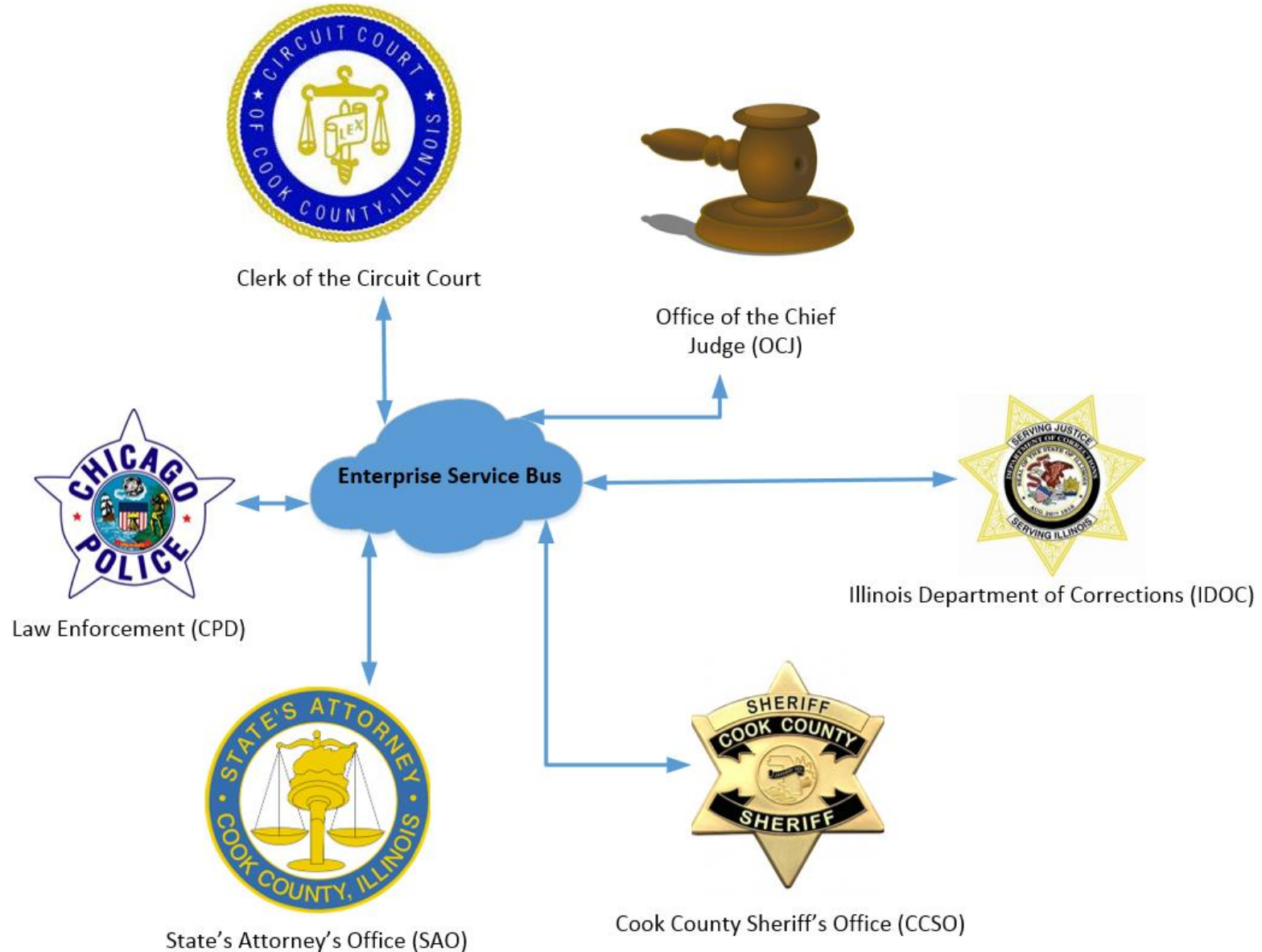




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Initiative 1 – Automated Court Reminder System (ACRS)

Objective

Enable citizen services to reduce the number of warrants issued for failure to appear.

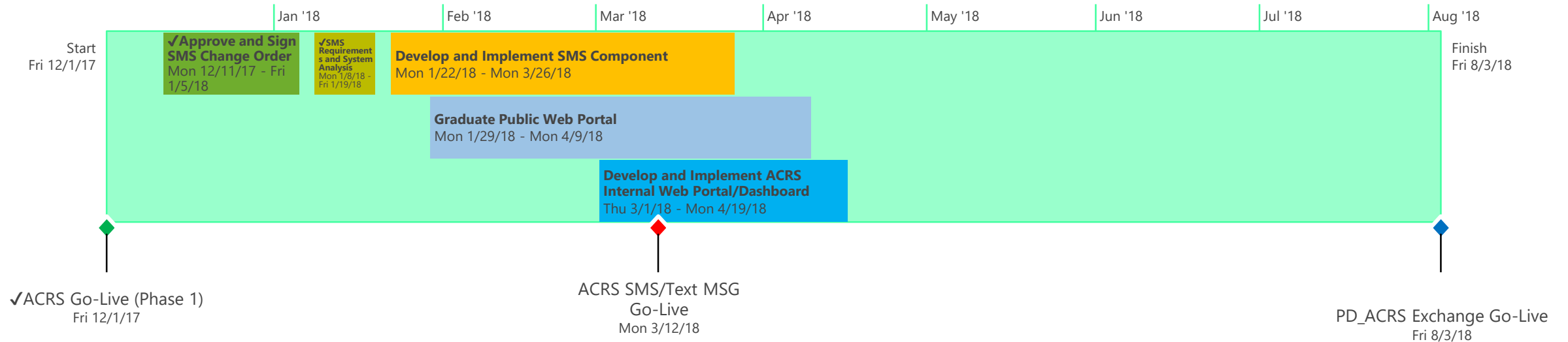
Scope Statement

The system will send reminders to individuals who are scheduled to appear in court using two methods, including automated phone calls and SMS text messages.

The project includes Bus data exchanges, Combing the data from the Chicago Police Department's CLEAR application (Citizen and Law Enforcement Analysis and Reporting) with Clerk of the Circuit Court Criminal Case schedule hearings. Other Justice agencies – Office of Chief Justice, Sheriff and Public Defender can collect phone numbers for defendants and related, enrolled into the ACRS system.



ACRS Timeline (Phase II)





ACRS Phase II - Schedule

Name	Planned Start	Planned Finish	Actual Start	Actual Finish	% Complete
Automated Court Reminder System Implementation Phase II	Mon 12/11/17	Fri 8/3/18	Mon 12/11/17	NA	55%
Phase I –IVR, Web Portal and ESB Exchange Go-Live	Fri 12/1/17	Fri 12/1/17	Fri 12/1/17	Fri 12/1/17	100%
Approve and Sign SMS Change Order	Mon 12/11/17	Fri 1/5/18	Mon 12/11/17	Fri 1/5/18	100%
Develop and Implement SMS Component	Mon 1/22/18	Mon 3/26/18	Mon 1/22/18	NA	100%
AST – ESB and Verizon’s EMAG Integration	Mon 1/22/18	Mon 3/12/18	Mon 1/22/18	NA	50%
Post Implementation	Tue 3/13/18	Mon 3/26/18	NA	NA	0%
Update ACRS Defendant Registration Portal	Mon 1/29/18	Mon 4/10/18	Mon 1/29/18	NA	65%
Develop and Implement Internal Web/Dashboard ACRS reporting tool	Mon 2/26/18	Mon 4/18/18	Thu 2/23/18	NA	15%
Develop and Implement e-Defender (PD) Exchange**	Mon 7/2/18	Fri 8/3/18/17	NA	NA	0%

** Dates are tentative and require review by AST and JTI resources.



Automated Court Reminder - Current Activities

- Completed deployment of Automated Court Reminder System (ACRS) Phase 1 components to production.
 - Automated Phone calls are being made
 - Agencies CPD/CLEAR; CCC; OCJ; Sheriff are contributing the data
- Phase II ACRS components in development:
 - SMS “Text Message” component.
 - Update the ACRS public-facing web portal
 - Internal web dashboard reporting tool.
- Phase III Public Defender Data Exchange



Initiative 2 - Mittimus

Objective

The primary objective is to mitigate the risk of unlawful or delayed releases from the Cook County Jail and support the timely releases of discharged detainees.

Scope Statement

The Electronic Mittimus (eMitt) Exchange includes activities to re-engineer business processes of the Cook County Sheriff's Office (CCSO) and the Clerk of the Circuit Court (CCC) to achieve timely receipt of eMitt data from CCC to CCSO.



Mittimus Current Activities

- E-Mitt Project Closed as of February 5, 2018.
 - Key lessons learned:
 - Agencies recognized the Service Bus value adds like timely notification of business errors, the need for connectivity monitoring, and documenting business rules.
 - Agencies also recognized the need for having operational and technical staff engaged, clearly defining specific roles for each team member. Identifying the cross agency processes and realizing the process efficiencies.
 - Post Go-Live improvements will include:
 - New data element/field added to E-Mitt
 - Additional definition to separate and identify E-Mitt types.
 - Install ESB configuration component that can monitor CCC's MQ connectivity.



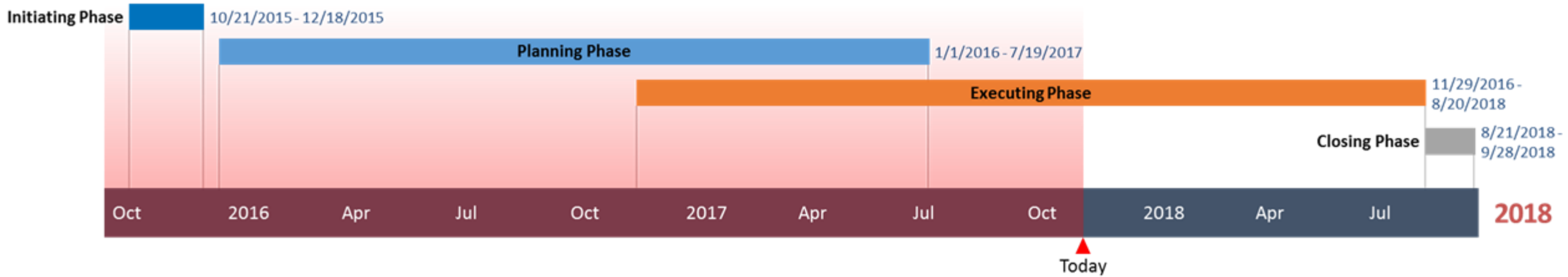
Initiative 3 - eDefender Case Management System

Scope Statement

eDefender is a Case Management System for the Public Defender. The project also includes two Bus data exchanges: KRIMS for Criminal Felony and Misdemeanor cases and TRIMS for Traffic Cases.



eDefender Timeline





eDefender Project Schedule

Name	Planned Start	Planned Finish	Actual Start	Actual Finish	% Complete
Public Defender Case Management System Implementation	Wed 10/21/15	Fri 9/28/18	Wed 10/21/15	NA	67%
Planning Phase	Fri 1/1/16	Wed 7/19/17	Fri 1/1/16	NA	97%
Networks Requirements	Fri 6/17/16	Fri 3/3/17	Fri 6/17/16	NA	95%
Executing Phase	Tue 11/29/16	Mon 8/20/18	Tue 11/29/16	NA	45%
Phase 1 - Bond Court & 1st Muni	Tue 11/29/16	Mon 11/6/17	Tue 11/29/16	Mon 11/6/17	100%
Phase 2 - Traffic	Mon 11/13/17	Mon 2/12/18	Fri 12/1/17	N/A	95%
Phase 3 – Civil, Juvenile, & Other Muni Divisions	Mon 2/19/18	Mon 5/14/18	NA	NA	5%
Phase 4 - Public Portal & Rem	Mon 5/21/18	Mon 8/20/18	NA	NA	0%
Closing Phase	Tue 8/21/18	Fri 9/28/18	NA	NA	0%
Verify Deliverables Complete	Tue 8/21/18	Fri 9/28/18	NA	NA	0%
Support Handoff	Tue 8/21/18	Fri 9/28/18	NA	NA	0%



eDefender Current Activities

- Holding weekly project team meetings between three vendors involved in project and internal departments (BoT, Public Defender, & Courts).
- Master Case Mapping spreadsheet for KRIMS and TRIMS has been completed which defines how fields coming from the source systems are handled and sent to eDefender.
- Phase one has been completed and majority of work for Phase two has been completed. Phase two includes processing of Traffic cases thru TRIMS feed. TRIMS feed has been deployed to Production now.
- Development for Phase three items has begun with screen configuration and review in process for Civil and Juvenile areas.
- Development has been completed for automation of cases in new eDefender Case Management system - involves processing the KRIMS and the TRIMS feeds through the ESB and on to eDefender for creation of cases. Both feeds are now live and updating eDefender – Production.
- Vendor tested load-balanced dual-server environment and verified it works at LA Court. County is now working on completing set up for their dual server Test environment to verify it works before deployment to Production.



ESB Amendment for Integrated Justice Exchanges

Initiative 4 – Bond Court Exchanges

- The Bond Court Exchanges will have a series of six (6) Exchanges taking the initial Arrest data from Local Law Enforcement to the Sheriff.
- The Sheriff will then book the Defendant in preparation for Bond court and update the Arrest information.
- The Sheriff will then pass the updated information on to the Cook County Clerk of the Circuit Court, State’s Attorney’s Office and Office of the Chief Judge.
- Finally the State’s Attorney will pass information on to the Public Defender.

Initiative 5 – Sheriff to Illinois Department of Corrections

- The Cook County Sheriff (CCSO) will pass information electronically via Exchange to the Illinois Department of Corrections (IDOC) when transferring inmates from their custody to IDOC. This will reduce the time and cost overhead of prisoner transfers and prevent duplication of effort.
- Also, when IDOC returns inmates to the custody of the Sheriff, they will also send information pertaining to that inmate based on a Writ to appear in Court; This will improve safety and reduce the level of effort and security involved with prisoner transfers.
- There will also be an interface developed into the Illinois State Police LEADS system for ESB members use.

Initiative 6 – Clerk of the Circuit Court (CCC) Case Management System Exchanges

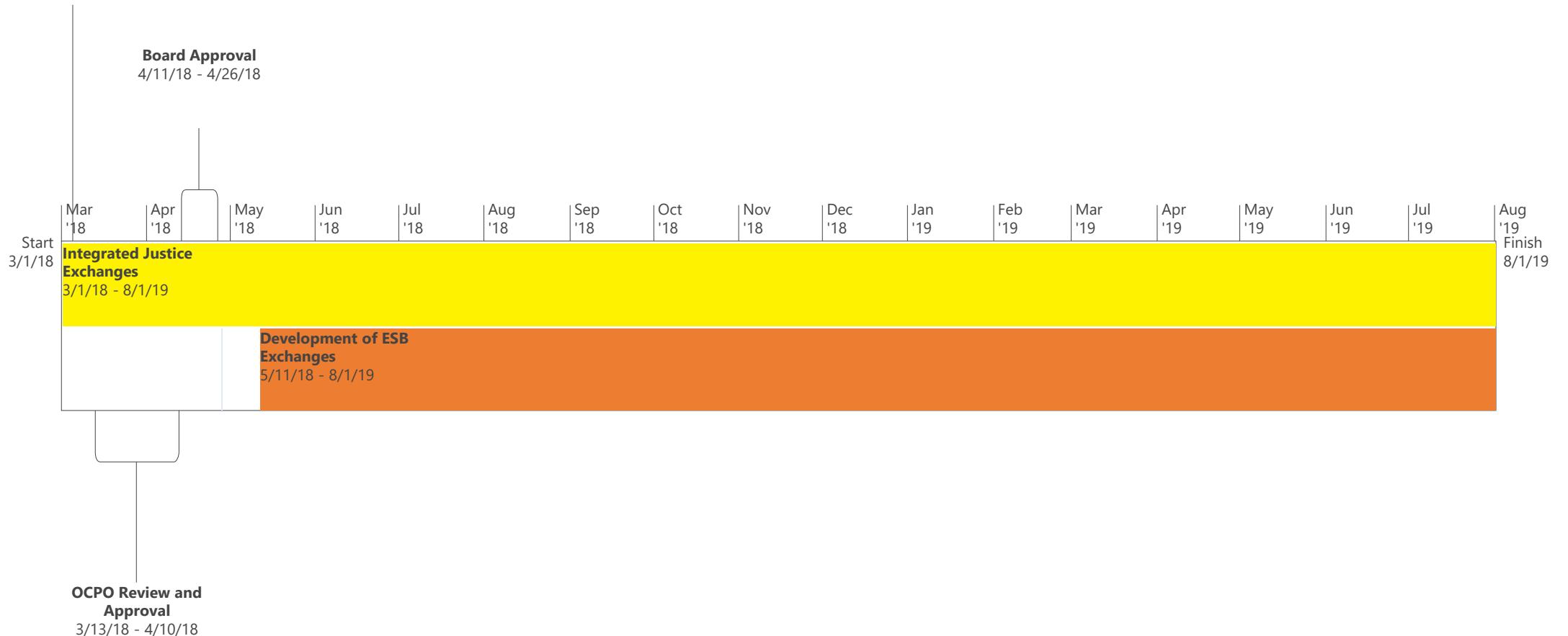
- Development of Standard NIEM definitions for the Criminal System data exchanges
- Implement six (6) data exchanges for the Criminal Phase implementation with a priority on the reusable data exchanges to be leveraged by multiple agencies.



ESB Exchange Amendment Timeline

**Amendment
Development**
3/1/18 - 3/9/18

Board Approval
4/11/18 - 4/26/18



Note: Dates are estimated targets.



Integrated Justice Exchange Amendment

Name	Planned Start	Planned Finish	Actual Start	Actual Finish	% Complete
Integrated Justice Exchanges	Thu 3/1/18	Wed 7/31/19	Thu 3/1/18	N/A	15%
Final Amendment Development Process	Thu 3/1/18	Fri 3/9/18	N/A	N/A	75%
OCPO Review and Approval	Mon 3/11/18	Tue 4/10/18	N/A	N/A	0%
Board Approval	Wed 4/11/18	Wed 4/25/18	N/A	N/A	0%
Contract Award	Mon 4/30/18	Mon 4/30/18	N/A	N/A	0%
Development of Exchanges Begins	Thu 5/10/18	Thu 8/1/19	N/A	N/A	0%

Note: Dates are estimated targets.



Initiative 4 – Bond Court Exchanges

Scope Statement

Several agencies participate in the Bond Court process, continuously passing documents between each other. This document-sharing process prepares for a defendant to be seen in Bond Court. This project will modernize the document-sharing process by using the Bus to replace the web of various point-to-point connections. The Bus will provide a more simple, secure and robust way to exchange data.



Initiative 5 – Sheriff to IDOC Data Exchange

Scope Statement

The scope of this project is the development of a data exchange between the Sheriff's Office and Illinois Department of Corrections (IDOC). The data exchange is to send data for detainees being transferred from Cook County Department of Corrections to the Illinois Department of Corrections.

- Electronic data could speed up the processing of new inmates by reducing the reliance on paper documents.
- By reducing the time for the intake process, it would also greatly improve the safety of the Illinois Department of Corrections staff.



Initiative 6 – CCC CMS Data Exchanges

Scope Statement

The scope of this project is to implement a Case Management System (CMS) which includes Service Bus integration with multiple source systems from various agencies. The scope for exchanges are as follows:

- The goal is that all non-county agencies will be connected to the Service Bus, and the actual data exchanges are implemented on the Service Bus.
 - CCC's Criminal Division Phase (addl. details on slide#23):
 - » Victim Information & Notification Everyday (VINE) 3rd Party
 - » Chicago Police Department (CPD)
 - » Illinois Secretary of State
 - » Illinois State Police
 - » Federal Bureau of Investigation (FBI)
 - » Various Law Enforcement Agencies (CPD, Sheriff, etc.)
- All current-state Point-to-Point data exchanges are being reviewed to determine reuse and the use of NIEM standards.



Service Bus Program – Production Data Exchanges

Listed below are the Production ‘Service Bus’ data exchanges along with two (2) data exchanges that are near go-live.

Interface No.	Source	Interface Description	Target	Status
1	Clerk of the Circuit Court (CCC)	Data for Non-Traffic Cases (KRIMS)	Public Defender	Production
2	Clerk of the Circuit Court (CCC)	Data for Traffic Cases (TRIMS)	Public Defender	Production
3	State's Attorney	Charge Data	Clerk of the Circuit Court (CCC)	Production
4	State's Attorney	Charge Data	Sheriff	Production
5	Clerk of the Circuit Court (CCC)	Mittimus Data	Sheriff	Production
6	Clerk of the Circuit Court (CCC)	Court Case Data for ACRS	Automated Court Reminder System (ACRS)	Production
7	Chicago Police Department (CPD)	Arrest Data for ACRS	Automated Court Reminder System (ACRS)	Production
8	Chief Judge	Court Call Notification Opt-In Data for ACRS	Automated Court Reminder System (ACRS)	Production
9	Sheriff	Court Call Notification Opt-In Data for ACRS	Automated Court Reminder System (ACRS)	Production
10	Automated Court Reminder System (ACRS)	Text Messaging for ACRS	Verizon Wireless	March 2018
11	Public Defender	Court Call Notification Opt-In Data for ACRS	Automated Court Reminder System (ACRS)	Q4 2018



Service Bus Program – Current Activities

The 'Service Bus' program will expand to include additional projects as part of the Integrated Justice Initiatives.

Bond Court

- BOT completed the portion of the Amendment negotiations for the various Bond Court related data exchanges.

Sheriff to IDOC

- Finalized Sheriff and Illinois Department of Corrections (IDOC) requirements for the Amendment.

CCC CMS

- CMS implementation for the Criminal Division Phase is in-progress.
- BOT has a tentative agreement on six (6) CCC data exchanges. BOT is working with the CCC to finalize the implementation schedule to ensure it aligns with CCC's CMS project.

BOT

- Submission of the Amendment to OCPO.



Service Bus Program – New Exchanges

The 'Service Bus' program will expand to include additional projects as part of the Integrated Justice Initiatives. BOT is waiting on the CCC's approval for various data exchanges in order to proceed with finalizing the SOW and submitting to Procurement.

Interface No.	Source	Interface Description	Target	CCC Approved
1	Clerk of the Circuit Court (CCC)	Victim Information Notification for CCC's CMS	Victim Information & Notification Everyday (VINE) 3rd Party	Yes
2	Chicago Police Department (CPD)	Arrest Data for Bond Court Intake	Clerk of the Circuit Court (CCC)	Yes
3	Chicago Police Department (CPD)	Arrest Data for Bond Court Intake	Sheriff	N/A
4	Chicago Police Department (CPD)	Arrest Data for Bond Court Intake	Chief Judge	N/A
5	Clerk of the Circuit Court (CCC)	Disposition Data for CCC's CMS	Chicago Police Department (CPD)	Yes
6	Clerk of the Circuit Court (CCC)	Driver's License Suspension Data for CCC's CMS	Illinois Secretary of State	Yes
7	Clerk of the Circuit Court (CCC)	Case Disposition Data for CCC's CMS	Illinois State Police	Yes
8	Clerk of the Circuit Court (CCC)	Warrant Data for CCC's CMS	Federal Bureau of Investigation (FBI)	Yes
9	Sheriff	Jail Check-in, Arrest report, Inmate Number for Bond Court Intake	Clerk of the Circuit Court (CCC)	N/A
10	Sheriff	Jail Check-in, Arrest report, Inmate Number for Bond Court Intake	State's Attorney	N/A
11	Sheriff	Jail Check-in, Arrest report, Inmate Number for Bond Court Intake	Chief Judge	N/A
12	Sheriff	Arrest report, Court Order, Classification	Illinois Department of Corrections (IDOC)	N/A
13	Illinois Department of Corrections (IDOC)	Arrest report, Court Order, Classification	Sheriff	N/A
14	Clerk of the Circuit Court (CCC)	Warrants (Fax Executed Warrants to Law Enforcement Agencies) for CCC's CMS	Various Law Enforcement Agencies (CPD, Sheriff, etc.)	Yes
15	Clerk of the Circuit Court (CCC)	Orders of Protection for CCC's CMS	Sheriff	Yes