



# Enterprise Service Bus Program

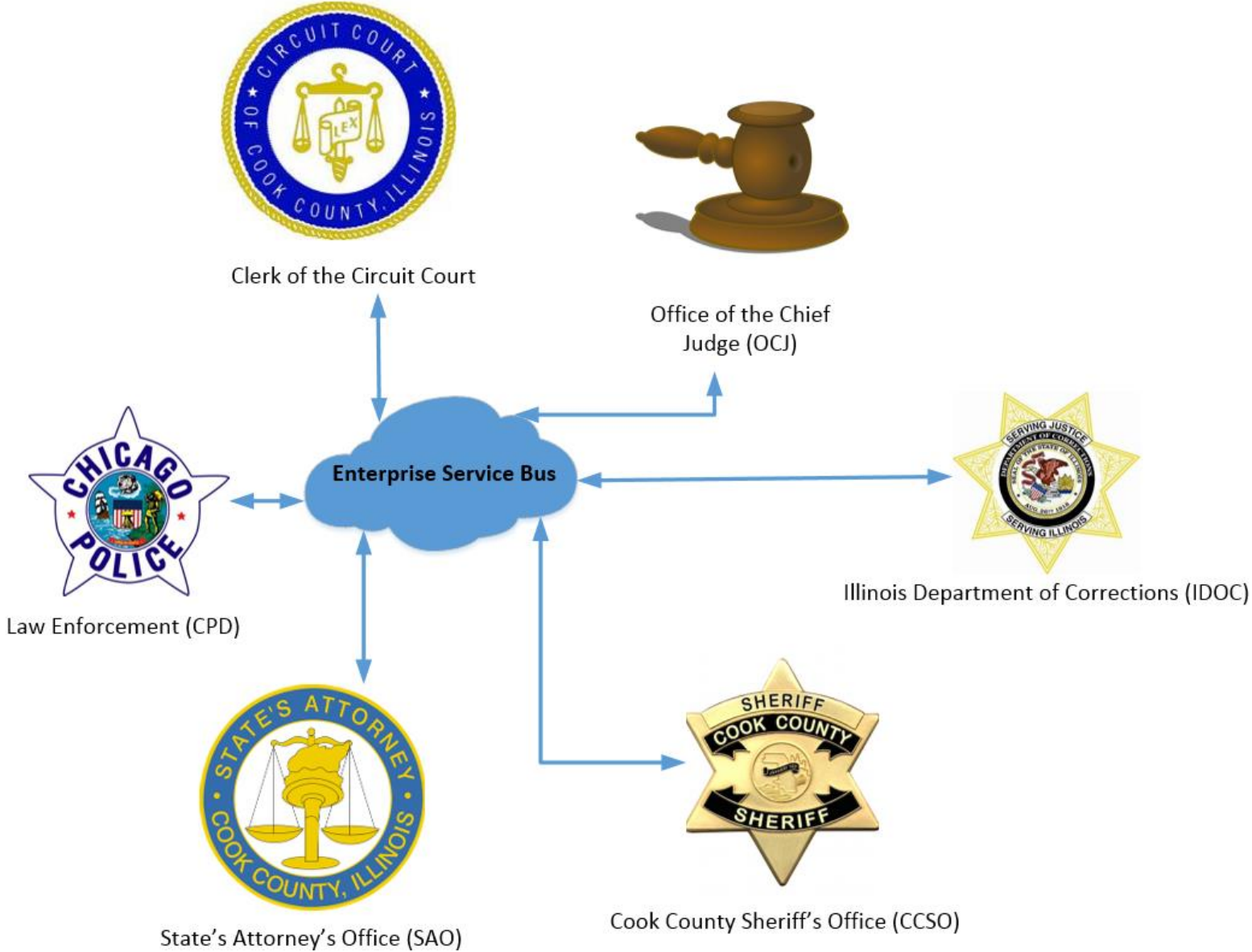
Integrated Justice “Bus” Initiatives

Quarterly Report: Q3 2017

Bureau of Technology



# Enterprise Service Bus





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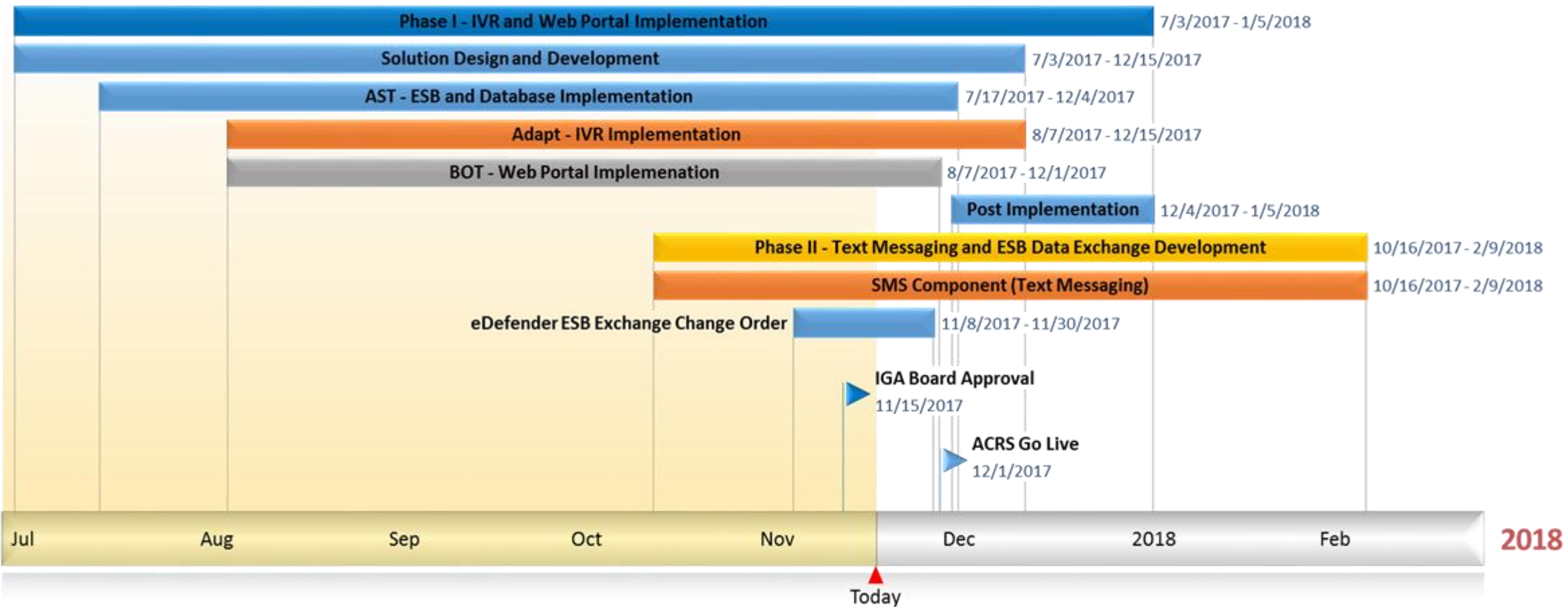
# Initiative 1 – Automated Court Reminder Notification System

## Scope Statement

The system will send reminders to individuals who are scheduled to appear in court using a variety of methods, including calls and text messages. The project includes Bus data exchanges between the Public Defender, Clerk of the Circuit Court, Sheriff and the Chicago Police Department's CLEAR application (Citizen and Law Enforcement Analysis and Reporting) .



# Automated Court Reminder - Timeline





# Automated Court Reminder - Schedule

Name	Planned Start	Planned Finish	Actual Start	Actual Finish	% Complete
<b>Automated Court Reminder System Implementation</b>	<b>Mon 7/3/17</b>	<b>Fri 2/9/18</b>	<b>Mon 7/3/17</b>	NA	55%
Phase I –IVR, Web Portal and ESB Exchange Implementation	Mon 7/3/17	Fri 1/5/18	Mon 7/3/17	NA	70%
Solution Design and Development	Mon 7/3/17	Fri 1/5/18	Mon 7/3/17	NA	86%
Pre-Planning	Mon 7/3/17	Mon 7/17/17	Mon 7/3/17	7/17/17	100%
AST - ESB & Database Implementation	Mon 7/17/17	Fri 12/1/17	Mon 7/17/17	NA	89%
Adapt – IVR Implementation	Mon 8/7/17	Fri 12/1/17	Mon 8/7/17	NA	90%
BOT – Web Portal	Mon 8/7/17	Fri 12/1/17	Mon 8/7/17	NA	65%
Post Implementation	Mon 12/4/17	Mon 1/8/18	NA	NA	0%
Phase II – SMS and eDefender ESB Exchange	Mon 10/16/17	Fri 2/9/18	Mon 10/16/17	NA	12%
SMS Component (Text Messaging)	Mon 10/16/17	Fri 2/9/18	Mon 10/16/17	NA	10%
E-Defender – ESB Change Order	Wed 11/8/17	Thu 11/30/17	Wed 11/8/17	NA	25%



# Automated Court Reminder - Current Activities

- Intergovernmental Agreement Board approved.
- Deploy Automated Court Reminder System (ACRS) phase 1 components to production.
- Change order to include SMS component.
- OCJ provide notification to Cook County suburban police chiefs.





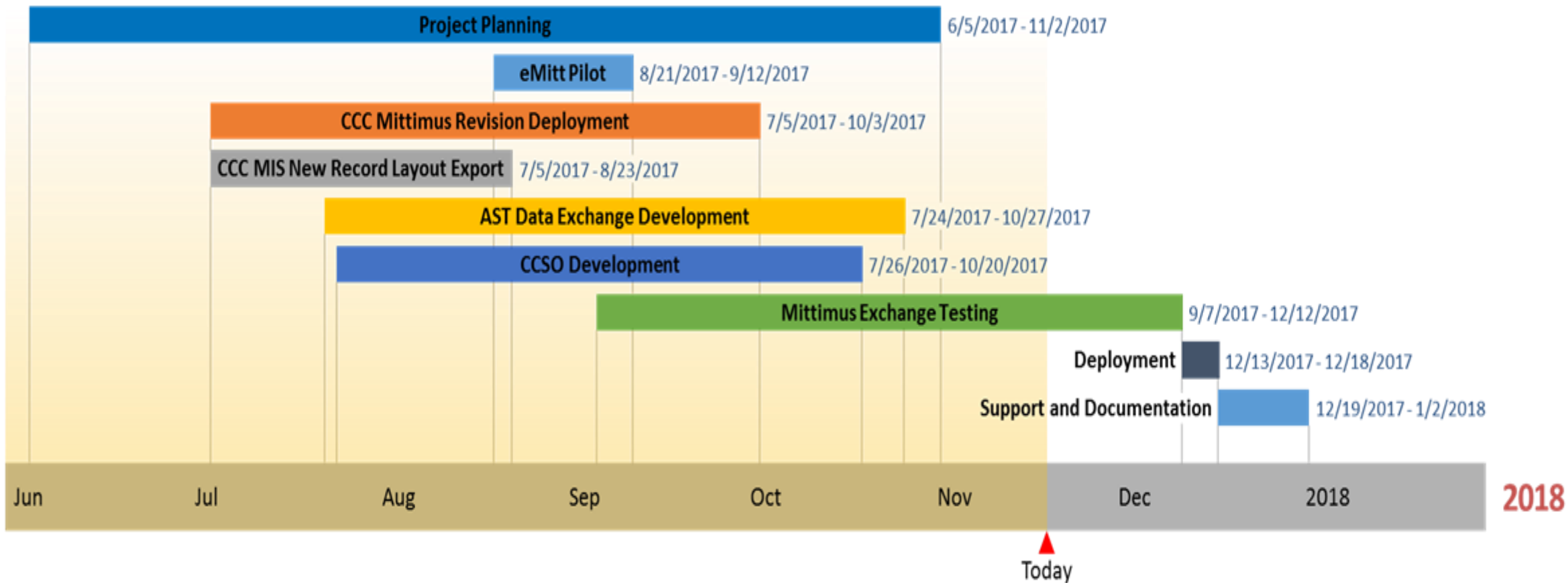
# Initiative 2 - Mittimus

## 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. 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.



# Mittimus Project Timeline





# Mittimus Project Schedule

Name	Planned Start	Planned Finish	Actual Start	Actual Finish	% Complete
<b>Mittimus Revisions 2017</b>	<b>Mon 6/5/17</b>	<b>Wed 1/3/18</b>	<b>Mon 6/5/17</b>	<b>NA</b>	<b>85%</b>
Project Planning	Mon 6/5/17	Thu 11/8/17	Mon 6/5/17	11/8/17	100%
eMitt Pilot	Mon 8/21/17	Tue 9/12/17	Mon 8/21/17	09/12/17	100%
CCC Mittimus Revision Development	Wed 7/5/17	Mon 11/13/17	Wed 7/5/17	NA	95%
CCSO/CCOMS Development	Wed 7/26/17	Thu 11/30/17	Wed 7/26/17	NA	60%
Mittimus Exchange Testing	Wed 9/13/17	Wed 12/13/17	Wed 9/13/17	NA	70%
Deployment	Wed 12/13/17	Mon 12/18/17	NA	NA	0%
Support and Documentation	Tue 12/19/17	Wed 1/3/18	NA	NA	0%



# Mittimus Current Activities

- Tribridge completing development work to accept data into CCOMS.
- AST, CCSO, and CCC scheduled to complete UAT during the week of December 4<sup>th</sup>



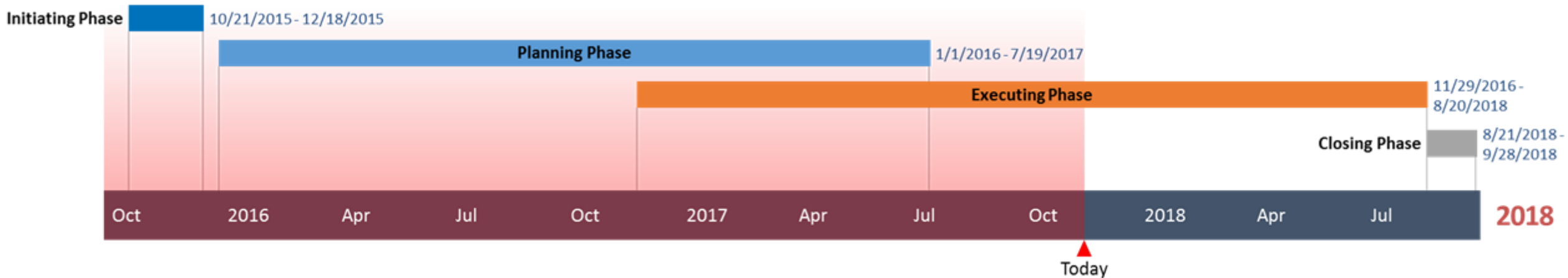
# Initiative 3 - eDefender Case Management System

## 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
<b>Public Defender Case Management System Implementation</b>	<b>Wed 10/21/15</b>	<b>Fri 9/28/18</b>	<b>Wed 10/21/15</b>	<b>NA</b>	<b>67%</b>
<b>Planning Phase</b>	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%
<b>Executing Phase</b>	Tue 11/29/16	Mon 8/20/18	Tue 11/29/16	NA	35%
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	NA	0%
Phase 3 - Other Muni Divisions	Mon 2/19/18	Mon 5/14/18	NA	NA	0%
Phase 4 - Public Portal & Rem	Mon 5/21/18	Mon 8/20/18	NA	NA	0%
<b>Closing Phase</b>	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 created which defines how fields coming from the source system are handled and sent to eDefender.
- Development has been completed for Phase one items for eDefender application for Case Management.
- Development has been completed for automation of cases in new eDefender Case Management system - involves processing the KRIMS feed through the ESB and on to eDefender for creation of cases.
- Project team getting ready for processing KRIMS feed on Production system.
- Vendor to test and migrate to load-balanced dual-server environment.





# ESB Amendment for Integrated Justice Exchanges

## **Initiative 4 – Bond Court Exchanges**

- The Bond Court Exchanges will have a series of five 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**

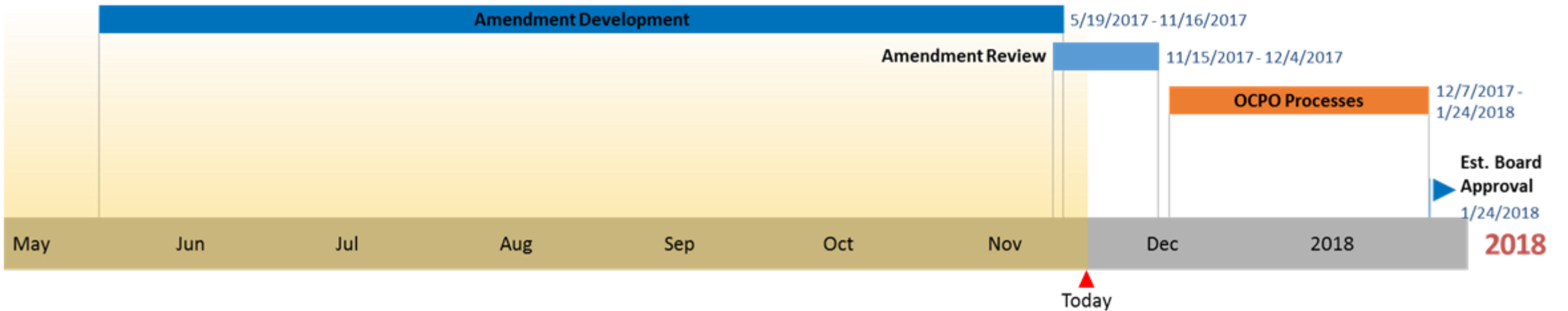
- The Cook County Sheriff (CCSO) will pass information electronically via Exchange to the Illinois Department of Corrections (IDOC) when transferring inmates from their custody to IDOC. This will reduce the time and cost overhead of prisoner transfers and prevent duplication of effort.
- Also, when IDOC 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 Criminal System
- Implement more than 10 Data exchanges for Criminal Phase implementation



# ESB Exchange Amendment Timeline



*Note: 2018 Board dates are unknown at this time. Dates are estimated targets.*



# Integrated Justice Exchange Amendment

Name	Planned Start	Planned Finish	Actual Start	Actual Finish	% Complete
<b>Integrated Justice Exchanges for 2018</b>	<b>Thu 5/4/17</b>	<b>Wed 2/18/19</b>	<b>Thu 5/4/17</b>	<b>NA</b>	<b>5%</b>
Kickoff meeting	Thu 5/4/17	Thu 5/4/17	Thu 5/4/17	Thu 5/4/17	100%
Amendment Development Process	Fri 5/19/17	Thu 11/16/17	Fri 5/19/17	NA	67%
OCPO Buyer Assigned	Mon 12/11/17	Mon 12/11/17	NA	NA	0%
Contract Preparations	Tues 1/12/17	Wed 1/3/18	NA	NA	0%
Board Approval	Wed 1/10/18	Wed 1/10/18	NA	NA	0%
Contract Award	Wed 1/24/18	Wed 1/24/18	NA	NA	0%
Development of Exchanges Begins	Wed 1/31/18	Wed 1/31/18	NA	NA	0%

*Note: 2018 Board dates are unknown at this time. 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 which includes integration to multiple source systems. Although there are approximately 25 interfaces only 10 to 15 will be used for the ESB. The scope for exchanges are as follows:

- Criminal Division data exchanges are in scope
- All current-state Point-to-Point data exchanges are being reviewed to determine reuse and the use of NIEM standards
- All non-county agencies will be connected to the ESB, and data exchanges are implemented onto the ESB



# Current Activities

## **Bond Court**

- Vendor completing the SOW
- Submission of Amendment to Contracts & OCPO

## **Sheriff to IDOC**

- Finalized Sheriff and Illinois Department of Corrections finalize requirements

## **CCC CMS**

- Criminal Division phase in-progress; identifying integrations scope
- Finalizing exchanges to be included in Amendment



# Service Bus Program Summary

- The 'Service Bus' program will expand to include additional projects as part of the Integrated Justice Initiatives.
- Projects within the program are separately managed and may require their own funding source and Memorandum of Understanding.
- The initial projects will be based on the Criminal Justice program using a Heat Map as a source for new data exchanges. The Criminal Justice Information Systems (CJIS) Heat Map was devised to help organize the selection process to choose which data exchanges to automate in what order. "Hot" exchanges on the map, which are more frequent or important, are given priority.