



# Enterprise Service Bus Program

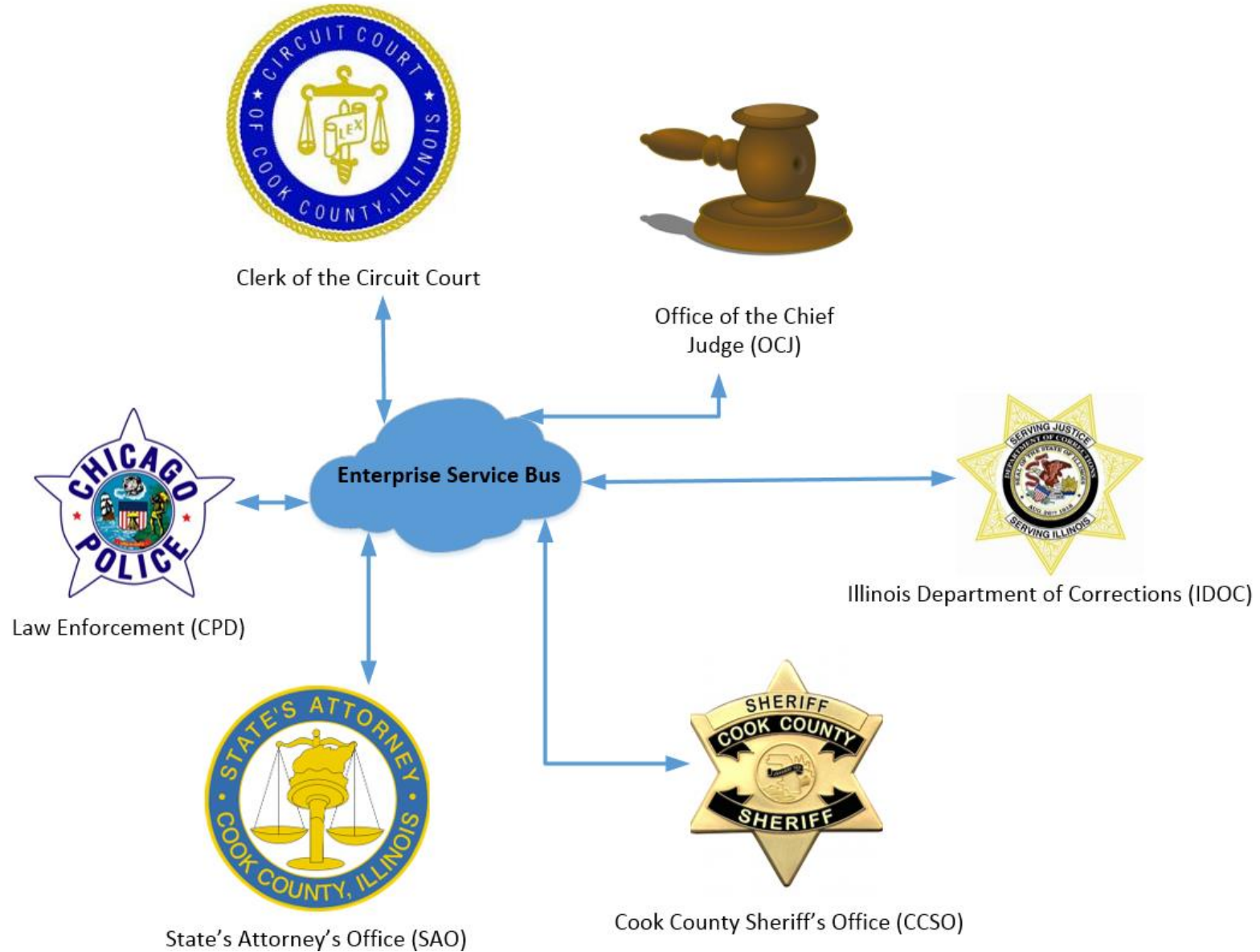
Integrated Justice “Bus” Initiatives

Quarterly Report: Q2 2017

Bureau of Technology



# Enterprise Service Bus





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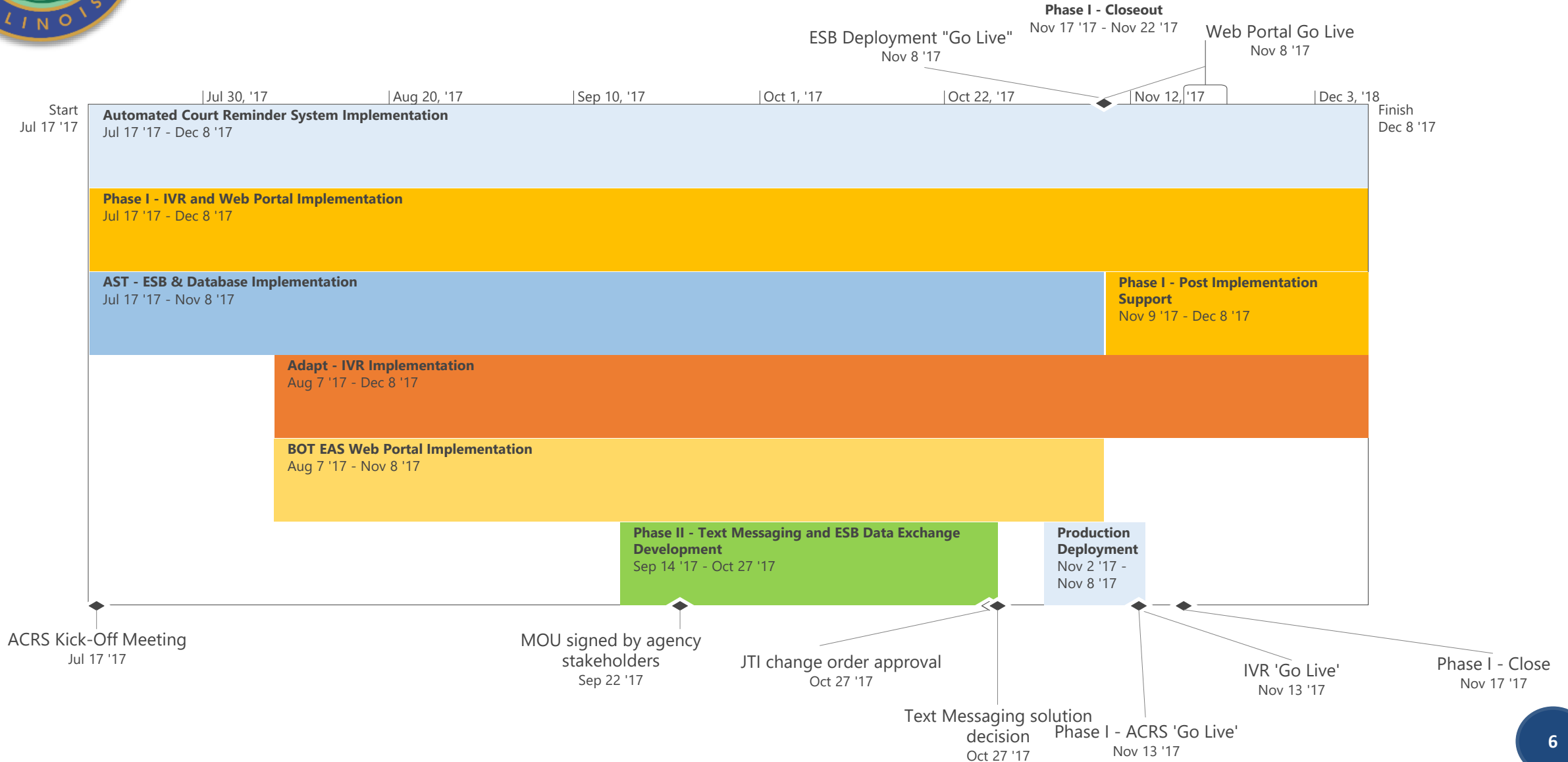
# Initiative 1 – Automated Court Reminder Notification System

## 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	Start	Finish	Actual Start	Actual Finish	% Complete
<b>Automated Court Reminder System Implementation</b>	<b>Wed 6/28/17</b>	<b>Thu 12/7/17</b>	<b>Wed 6/28/17</b>	<b>NA</b>	<b>20%</b>
Phase I - IVR and Web Portal Implementation	Wed 6/28/17	Mon 11/27/17	Wed 6/28/17	NA	22%
Planning Activities (Kickoff/MOU)	Wed 6/28/17	Fri 9/22/17	Wed 6/28/17	NA	75%
AST - ESB & Database Implementation	Mon 7/17/17	Wed 11/8/17	Mon 7/17/17	NA	19%
Adapt - IVR Implementation	Mon 8/7/17	Mon 12/8/17	Mon 8/7/17	NA	15%
Phase I - ACRS 'Go Live'	Mon 11/27/17	Mon 11/27/17	NA	NA	0%
Phase I - Post Implementation Support	Wed 11/8/17	Tue 12/5/17	NA	NA	0%
AST Support	Wed 11/8/17	Tue 12/5/17	NA	NA	0%
Adapt Support	Tue 11/13/17	Mon 11/24/17	NA	NA	0%
Phase I - Closeout	Mon 12/4/17	Thu 12/7/17	NA	NA	0%
ADM Support Transition Plan Development	Tue 12/5/17	Thu 12/7/17	NA	NA	0%
ADM Support Transition Plan Sign-off	Mon 12/4/17	Mon 12/4/17	NA	NA	0%
Phase I - Close	Mon 12/4/17	Mon 12/4/17	NA	NA	0%
Phase II - Text Messaging and ESB Data Exchange Development	Mon 5/8/17	Fri 3/2/18	NA	NA	0%
JTI Change Order (eDefender Exchange)	Mon 5/8/17	Fri 3/2/18	NA	NA	0%
JTI change order approval	Fri 10/27/17	Fri 10/27/17	NA	NA	0%
SMS Component (Text Messaging)	Fri 9/15/17	Fri 10/27/17	NA	NA	0%
Conduct Verizon Pilot	Fri 9/15/17	Fri 10/27/17	NA	NA	0%
Text Messaging solution decision	Fri 10/27/17	Fri 10/27/17	NA	NA	0%



## Automated Court Reminder - Current Activities

- Finalize an agency approved and agreed upon Memorandum of Understanding MOU.
- Design and Develop court reminder database and data exchanges.
- Design and develop IVR database and message delivery interface.
- Text Message component defined scope and mobile service provider procurement.
  - Verizon's EMAG solution is currently being tested by BoT.





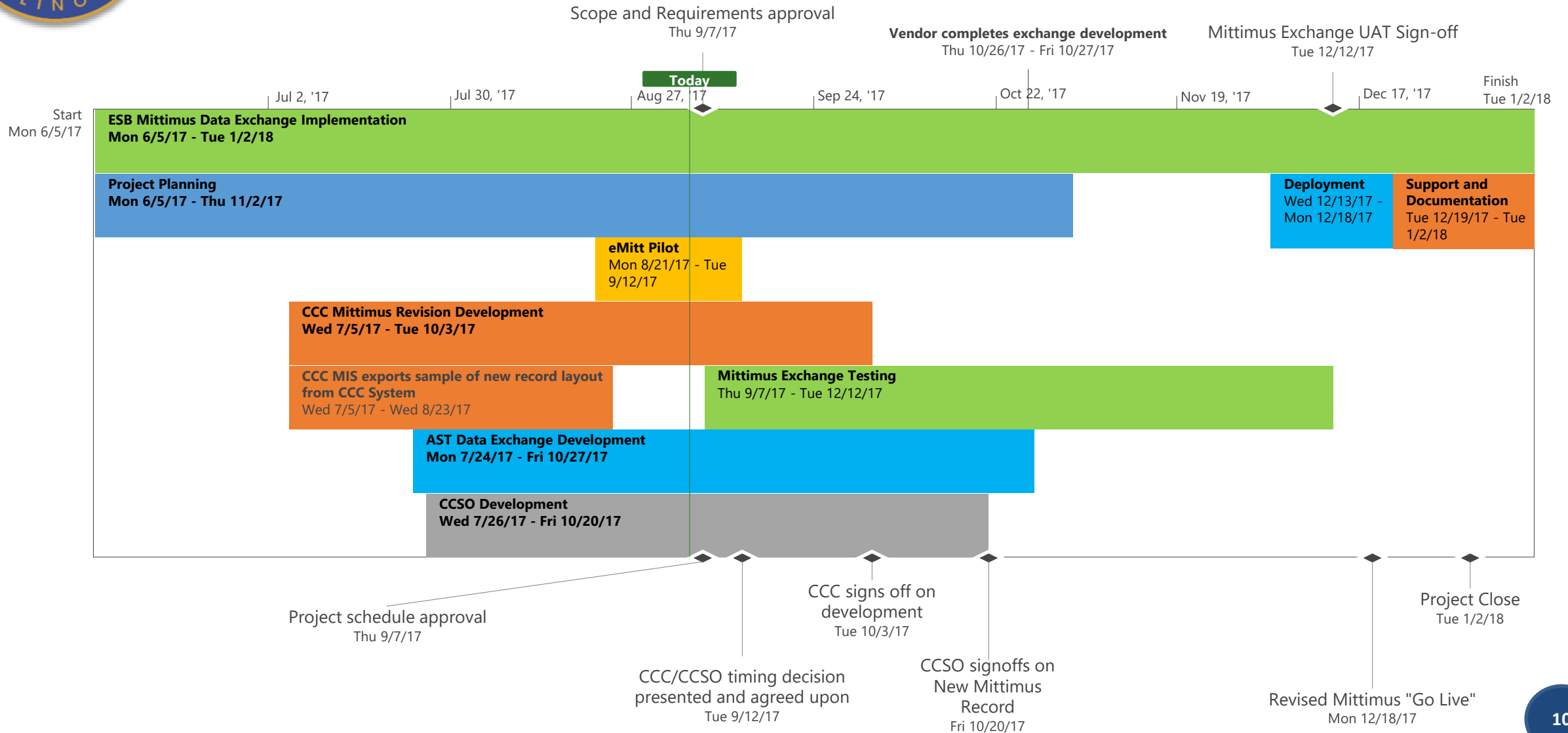
# Initiative 2 - Mittimus

## 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	Start	Finish	Actual Start	Actual Finish	% Complete
<b>Mittimus Revisions 2017</b>	<b>Mon 6/5/17</b>	<b>Tue 1/2/18</b>	<b>Mon 6/5/17</b>	<b>NA</b>	<b>52%</b>
Project Planning	Mon 6/5/17	Thu 11/2/17	Mon 6/5/17	NA	60%
eMitt Pilot	Mon 8/21/17	Tue 9/12/17	Mon 8/21/17	NA	77%
Mittimus Revision Development	Wed 7/5/17	Fri 10/27/17	Wed 7/5/17	NA	58%
Mittimus Exchange Testing	Thu 9/7/17	Tue 12/12/17	NA	NA	0%
Deployment	Wed 12/13/17	Mon 12/18/17	NA	NA	0%
Support and Documentation	Tue 12/19/17	Tue 1/2/18	NA	NA	0%



# Mittimus Current Activities

- CCC and CCSO finalizing Pilot for eMitt timing decisions
- On **Sept. 12, 2017**, team to make go/no-go decision in regards to timing of eMitt
- Pending decision
  - (6 weeks) Tribridge to begin JMS development work required for data exchange.
  - (6 weeks) AST to begin ESB development work



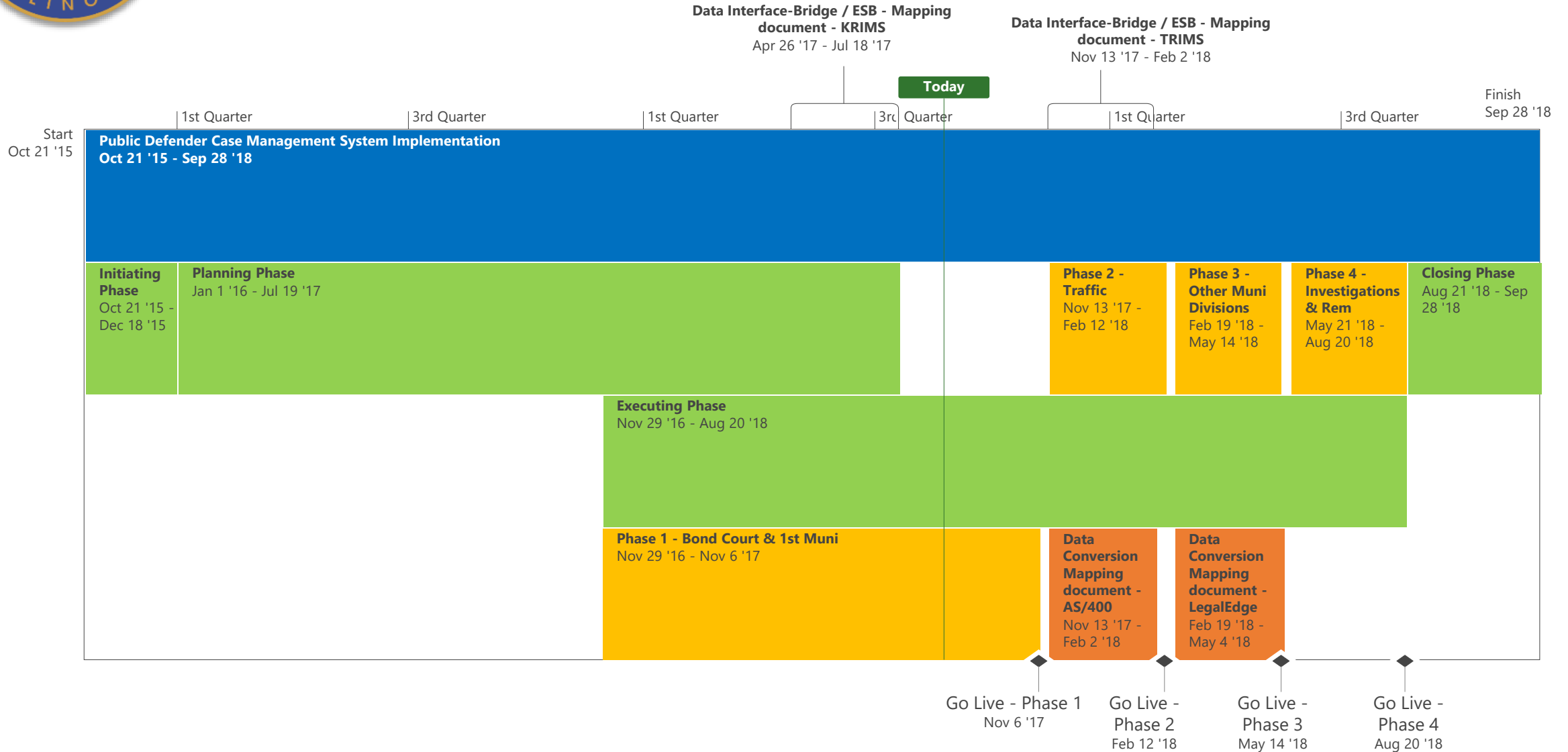
# Initiative 3 - eDefender Case Management System

## 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	Start	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	87%
<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	NA	81%
Phase 2 - Traffic	Mon 11/13/17	Mon 2/12/18	NA	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, & Court)
- Master Case Mapping spreadsheet for KRIMS created which defines how fields coming from the source system are handled and sent to eDefender
- Development is in progress for Phase one items for eDefender application for Case Management
- Development is in progress 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





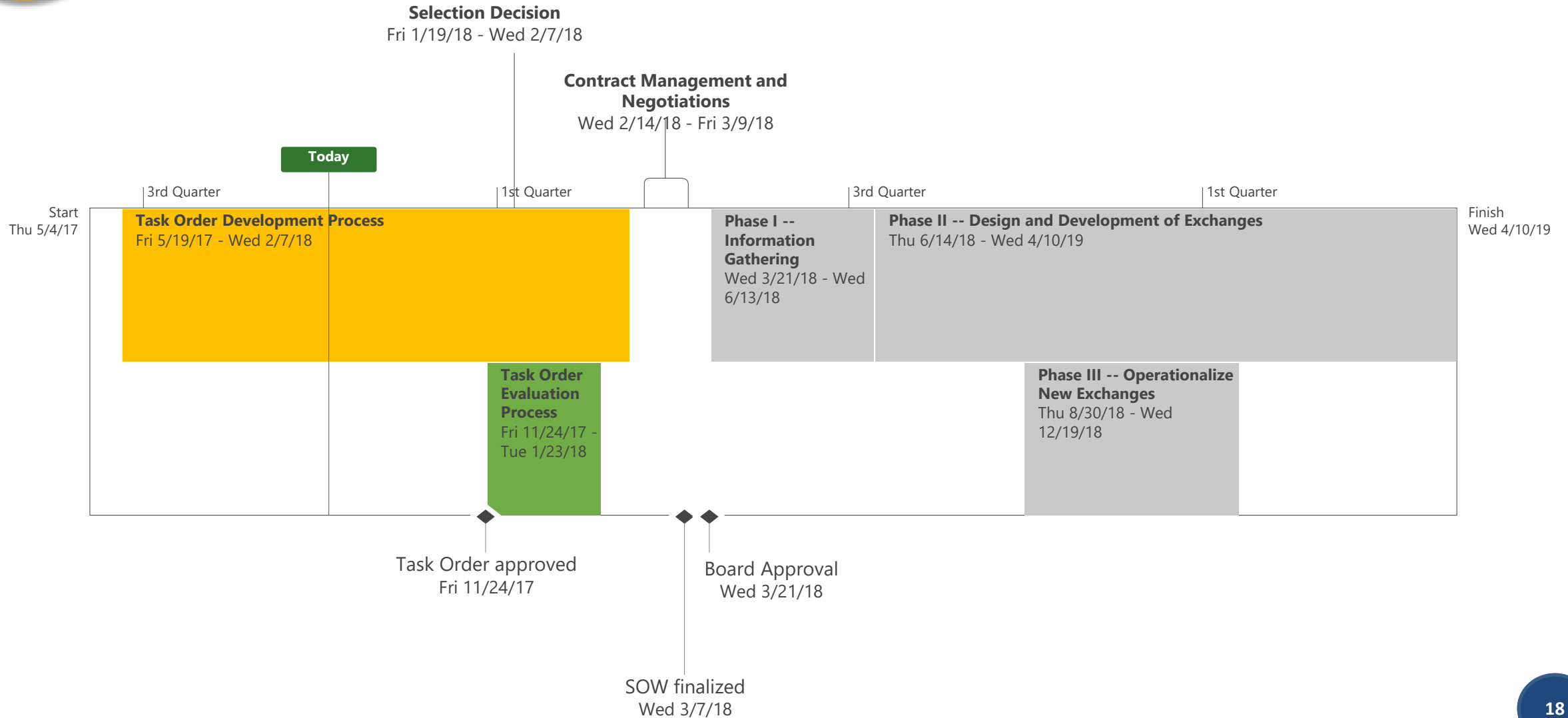
# Initiative 4 – Bond Court Process Improvement

## 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.



# Bond Court: Timeline





# Bond Court Project Schedule

Name	Start	Finish	Actual Start	Actual Finish	% Complete
<b>Bond Court Initiative Task Order</b>	<b>Thu 5/4/17</b>	<b>Wed 4/10/19</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%
Task Order Development Process	Fri 5/19/17	Wed 2/7/18	Fri 5/19/17	NA	33%
Contract Management and Negotiations	Wed 2/14/18	Fri 3/9/18	NA	NA	0%
Contract Preparations	Wed 3/7/18	Fri 3/9/18	NA	NA	0%
Board Approval	Wed 3/21/18	Wed 3/21/18	NA	NA	0%
Phase I -- Information Gathering	Wed 3/21/18	Wed 6/13/18	NA	NA	0%
Phase II -- Design and Development of Exchanges	Thu 6/14/18	Wed 4/10/19	NA	NA	0%
Phase III -- Operationalize New Exchanges	Thu 8/30/18	Wed 12/19/18	NA	NA	0%



# Bond Court: Current Activities

- Finalizing Requirements
- Development of an Task Order for the 'Service Bus' exchange implementation



# 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.

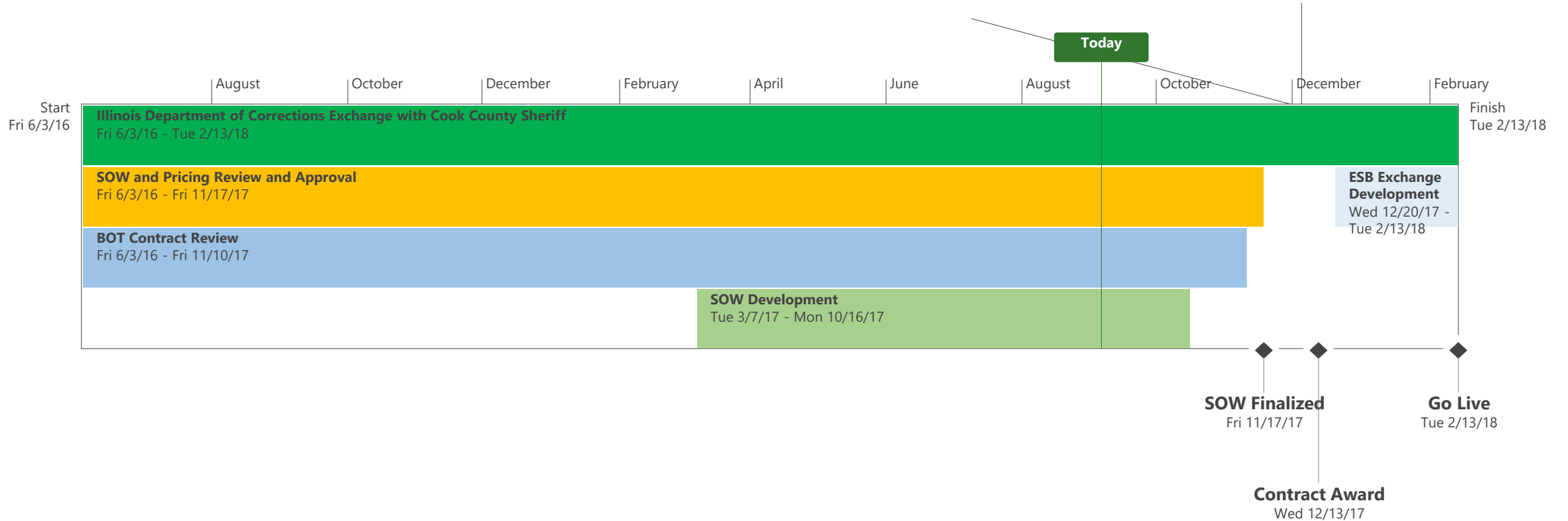
- Electronic data could speed up the processing of new inmates by reducing the reliance on paper documents.
- By reducing the time for the intake process, it would also greatly improve the safety of the Illinois Department of Corrections staff.



# Sheriff to IDOC Timeline

**Contract Management and Negotiations**  
Wed 11/22/17 - Fri 12/8/17

**Board Preparation**  
Tue 11/28/17 - Wed 12/13/17





# Sheriff to IDOC Exchange Schedule

Name	Start	Finish	Actual Start	Actual Finish	% Complete
<b>Illinois Department of Corrections Exchange with Cook County Sheriff</b>	<b>Fri 6/3/16</b>	<b>Tue 2/13/18</b>	<b>Fri 6/3/16</b>	<b>NA</b>	<b>48%</b>
Project kickoff	Wed 7/20/16	Wed 7/20/16	Wed 7/20/16	Wed 7/20/16	100%
SOW Development	Tue 3/7/17	Mon 10/16/17	Tue 3/7/17	NA	93%
SOW and Pricing Review and Approval	Fri 6/3/16	Fri 11/17/17	Fri 6/3/16	NA	0%
BOT Contract Review	Fri 6/3/16	Fri 11/10/17	Fri 6/3/16	NA	0%
Requisition Created	Mon 11/13/17	Mon 11/13/17	NA	NA	0%
SOW Finalized	Fri 11/17/17	Fri 11/17/17	NA	NA	0%
Contract documents submitted to Business Office	Fri 11/17/17	Fri 11/17/17	NA	NA	0%
Contract Management and Negotiations	Wed 11/22/17	Fri 12/8/17	NA	NA	0%
Board Preparation	Tue 11/28/17	Wed 12/13/17	NA	NA	0%
ESB Exchange Development	Wed 12/20/17	Tue 2/13/18	NA	NA	0%



# Sheriff to IDOC - Current Activities

- Conducting Workshops with Sheriff and Illinois Department of Corrections to finalize requirements
- Development of a Statement of Work for the Bus exchange implementation
- Develop project schedule





# 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.