AOC
Enterprise Data Repository (EDR)

Integration and Operational Update

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Background

Enterprise Data Repository (EDR)

- Local courts implementing their own case management systems (CMS)
- Required collection of statewide judicial data from their CMS – JIS Standard Data Elements
- Need to share public safety data (warrants, protection orders, criminal history)
- Used for statewide statistical analysis and reporting
- Data exchange with judicial partner agencies reporting needs

Successful Court CMS Integrations to the EDR

- October 25, 2017 – **JIS** integration to the EDR
- July 15, 2019 – **KCCO** began sending their case management system data to the EDR.
- November 2, 2020 – **KCDC** began sending their case management system data to the EDR.

Integrations in Progress

- Odyssey – CLJ-CMS
  - JIS data standard mapping (approximately 40% complete)
  - Source reference to standard reference mapping
  - Integration Solution Phase I (Proof of Concept)
- Seattle Municipal Court (SMC) – On Hold
  - JIS data standard mapping
  - Source reference to standard reference mapping started
  - Integration solution platform acquisitioned
  - Frequent meetings with SMC technical staff
  - Quarterly meetings with SMC leadership
- Kitsap County District Court – In Planning
  - JIS data replication connected to their target server
  - Received integration code base from KCDC

Challenges and Concerns

Court CMS Integration to EDR

- Integration to the EDR could take up to 2½ years
- CMS project plans do not include integration tasks
- Court CMS project implementation delays also delay integration work
- These delays interfere with planned work for integrations with statewide systems

Recommended Integration Timeline for Courts Year 1

Year	YEAR 1											
Month	01	02	03	04	05	06	07	08	09	10	11	12
Activities												
Planning												
Connectivity - IP Approval, EDR Portal, API Keys												
Court/CMS Test environment												
Court/CMS Conversion environment												
Replication server set up - Data Copy from JIS to Court												
JIS Standards - Grouping Priorities												
JIS Standards - Group 1 - Person												
JIS Standards - Group 2 - Case												
JIS Standards - Group 3 - Charge												
JIS Standards - Group 4 - Conditions												
JIS Standards - Group 5 - Accounting												
Court side Data Exchange development												
Initial Bulk load of converted data												
Verification of Person Matched records												
Other - Additional CMS and/or JIS Std data elements												
Other - CMS Data Conversion from JIS (if applicable)												
90 Days prior to Go-Live Integration testing												

Recommended Integration Timeline for Courts Year 2

Year	YEAR 2											
Month	01	02	03	04	05	06	07	08	09	10	11	12
Activities												
Planning												
Connectivity - IP Approval, EDR Portal, API Keys												
Court/CMS Test environment												
Court/CMS Conversion environment												
Replication server set up - Data Copy from JIS to Court												
JIS Standards - Grouping Priorities												
JIS Standards - Group 1 - Person												
JIS Standards - Group 2 - Case												
JIS Standards - Group 3 - Charge												
JIS Standards - Group 4 - Conditions												
JIS Standards - Group 5 - Accounting												
Court side Data Exchange development												
Initial Bulk load of converted data												
Verification of Person Matched records												
Other - Additional CMS and/or JIS Std data elements												
Other - CMS Data Conversion from JIS (if applicable)												
90 Days prior to Go-Live Integration testing												

Recommended Integration Timeline for Courts
Year 3 – 90-Day End-to-End Testing

Year	YEAR 3	
Month	01	02
Activities		
Planning		
Connectivity - IP Approval, EDR Portal, API Keys		
Court/CMS Test environment		
Court/CMS Conversion environment		
Replication server set up - Data Copy from JIS to Court		
JIS Standards - Grouping Priorities		
JIS Standards - Group 1 - Person		
JIS Standards - Group 2 - Case		
JIS Standards - Group 3 - Charge		
JIS Standards - Group 4 - Conditions		
JIS Standards - Group 5 - Accounting		
Court side Data Exchange development		
Initial Bulk load of converted data		
Verification of Person Matched records		
Other - Additional CMS and/or JIS Std data elements		
Other - CMS Data Conversion from JIS (if applicable)		
90 Days prior to Go-Live Integration testing		

Challenges and Concerns (continued)

Disparate CMS's – Data Quality/Integrity

- SCOMIS and DISCIS (JIS) applied court business and validation rules to ensure data integrity
- New Court CMS's (COTS) do not have the same level of built-in safeguards as JIS legacy systems
- Court CMS implementation decisions have caused the loss of some historical case and party data
- The design of local court CMS's complicate statewide person matching
- The resulting decrease in data quality makes complying with statewide data requests nearly impossible (e.g., legislative fiscal notes)

Challenges and Concerns (continued)

- **Data Exchange Impacts to Judicial Partners**
  - Data quality issues create a high volume of exceptions in judicial partner systems (WSP, DOL, etc.)
  - To correct data exceptions, judicial partners must contact each individual court with a local CMS
- **There is No Statewide Data Governance**
  - The lack of statewide agreements on business rules causes increased work for both AOC and court staff
  - AOC is unable to complete requests from the public for statewide court data due to data quality issues

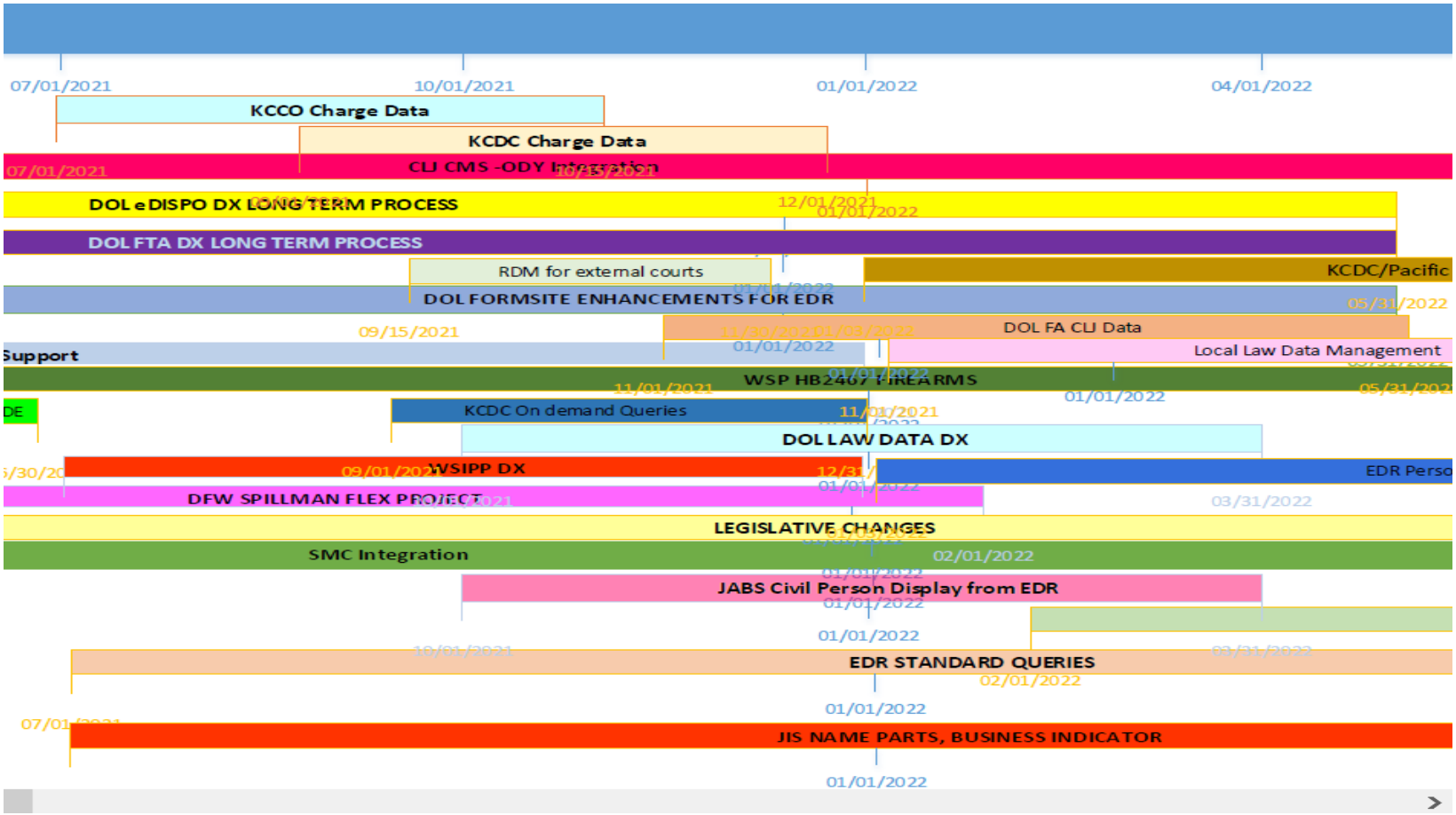
Challenges and Concerns (continued)

2022 Supplemental Budget Decision Package Request: Implement Data Quality

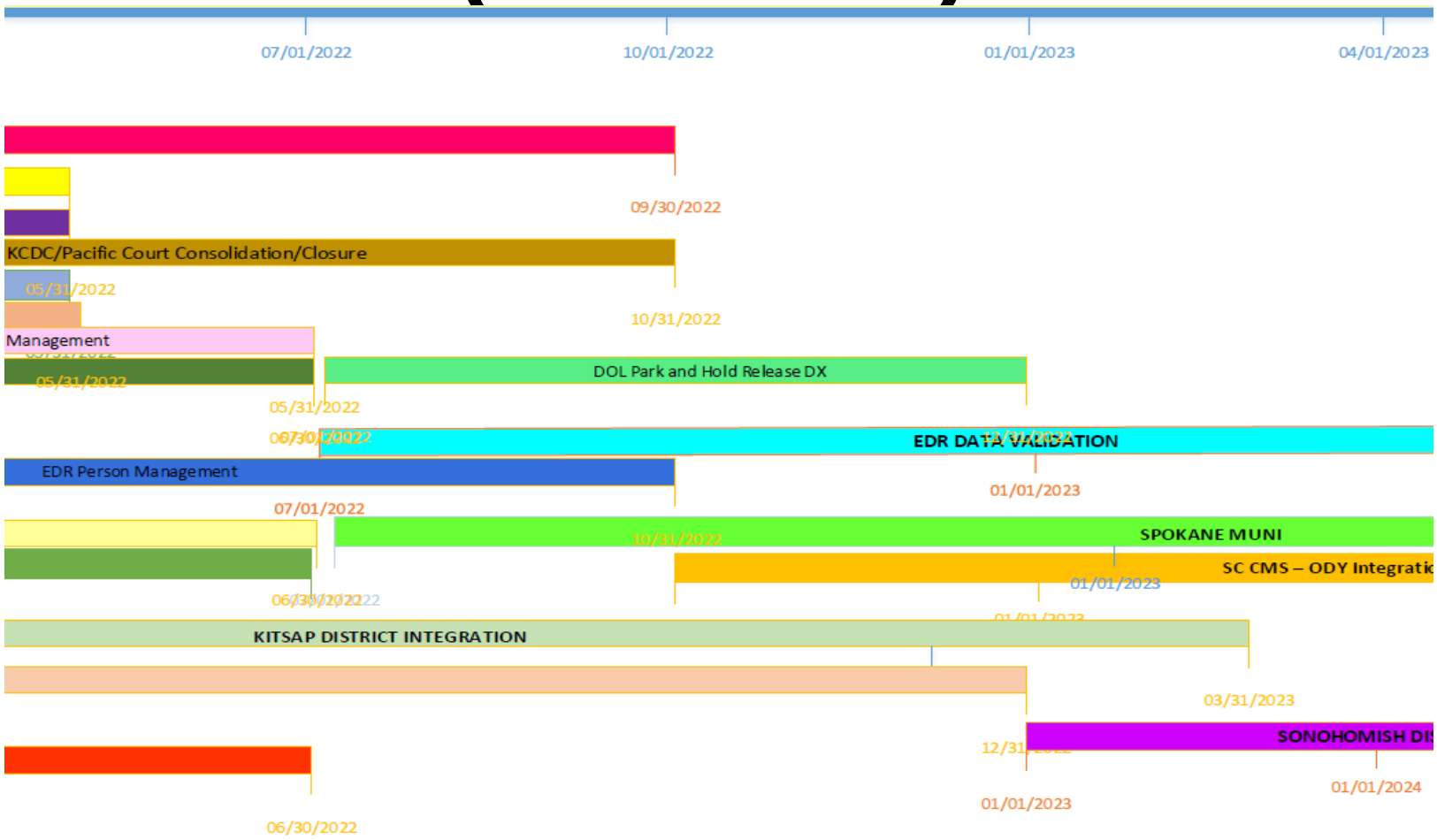
- Will address proactive vs. reactive data monitoring
- Will improve case history and person matching
- Will improve data integrity
  - Address missing code values
  - Identify mapping errors

Operational Status

- Backlog of EDR operational maintenance tasks



Operational Status (continued)



Operational Status (continued)

- Not all KCCO reference data has been mapped to the EDR Standard values
  - AOC and KCCO continue to collaborate and map their unmapped data in the EDR, needed for statewide reporting
  - The Statewide Data Warehouse project team is working with KCCO staff to identify and correct data discrepancies in the EDR
  - This body of work is impacting AOC staff's ability to complete other priority projects
- The AOC team must load corrected data from KCCO every weekend
- The AOC team must also respond to annual legislative mandate changes

Future Integrations

- Odyssey – SC-CMS
  - Will build on the CLJ-CMS integration
- Spokane Municipal Court
  - eCourt CMS live since April 2021
  - Completing various refinements to external interfaces, documents, efiling and internal reports
  - Dual data entry to JIS continues
- Pierce County Superior Court
  - Earlier discussions indicated a county funding request for calendar year 2022