Information Networking Hub Enterprise Data Repository

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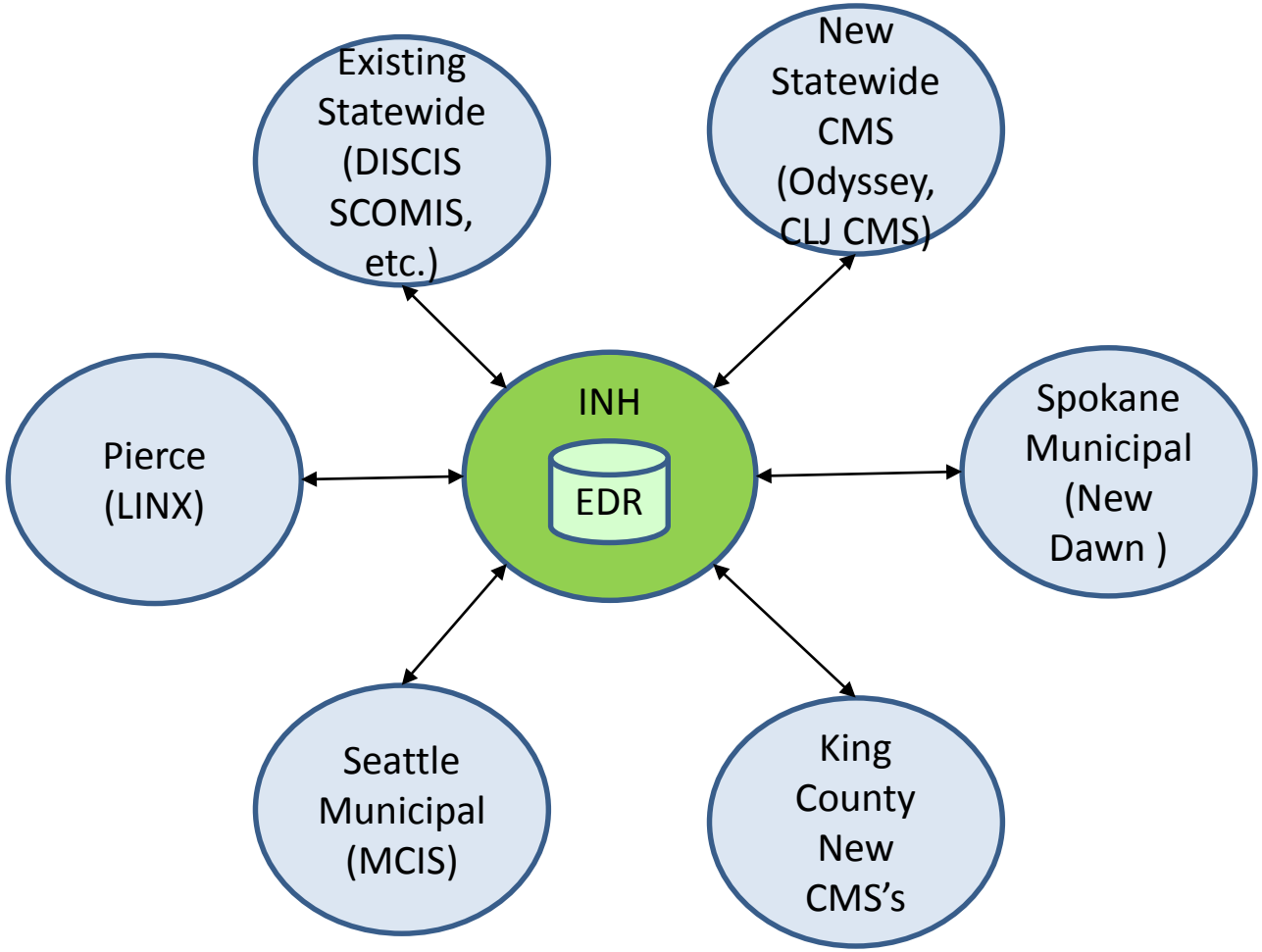
INH EDR – "Hub Model"



INH EDR - Overview

- The purpose of the EDR is to provide a data source for “statewide shared” information needed between organizations and application systems.
- The JIS Standard for Alternative Electronic Court Record Systems provides the standard for the data elements contained in the EDR.
- The EDR is essential to support the long term strategy of application modernization by both the AOC and courts.
- A Proof of Concept (POC) was recently completed to investigate simpler methods for data sharing

INH EDR – POC Results

- The POC successfully demonstrated that:
  - The EDR POC database design supports the "JIS Data Standards for Alternative Electronic Court Record Systems".
  - The technology design supports the data storage, data access, and exchange requirements and is flexible for future needs.
  - The new design will perform at anticipated workloads.
  - The JIS person data can be loaded to the EDR using the JIS database.
- Additional work is needed to provide a validation of the several other aspects.
  - Data access authorization rights using predefined roles.
  - Data classification so that access authorization can be used.
  - Deployment and release management automation.
  - Customer self service portal and onboarding tools.

EDR – What does the EDR Provide ?

- Defendant and Individual Case History
- Domestic Violence Inquiry
- Caseload Statistics
- Party Information (person, organizations, officials, etc.)
- Information related to firearms, voter status, mental health, and other dispositions, etc.
- Detention History
- Accounting information specified in the data standards
- Other data needed in a statewide context

EDR – What it is not

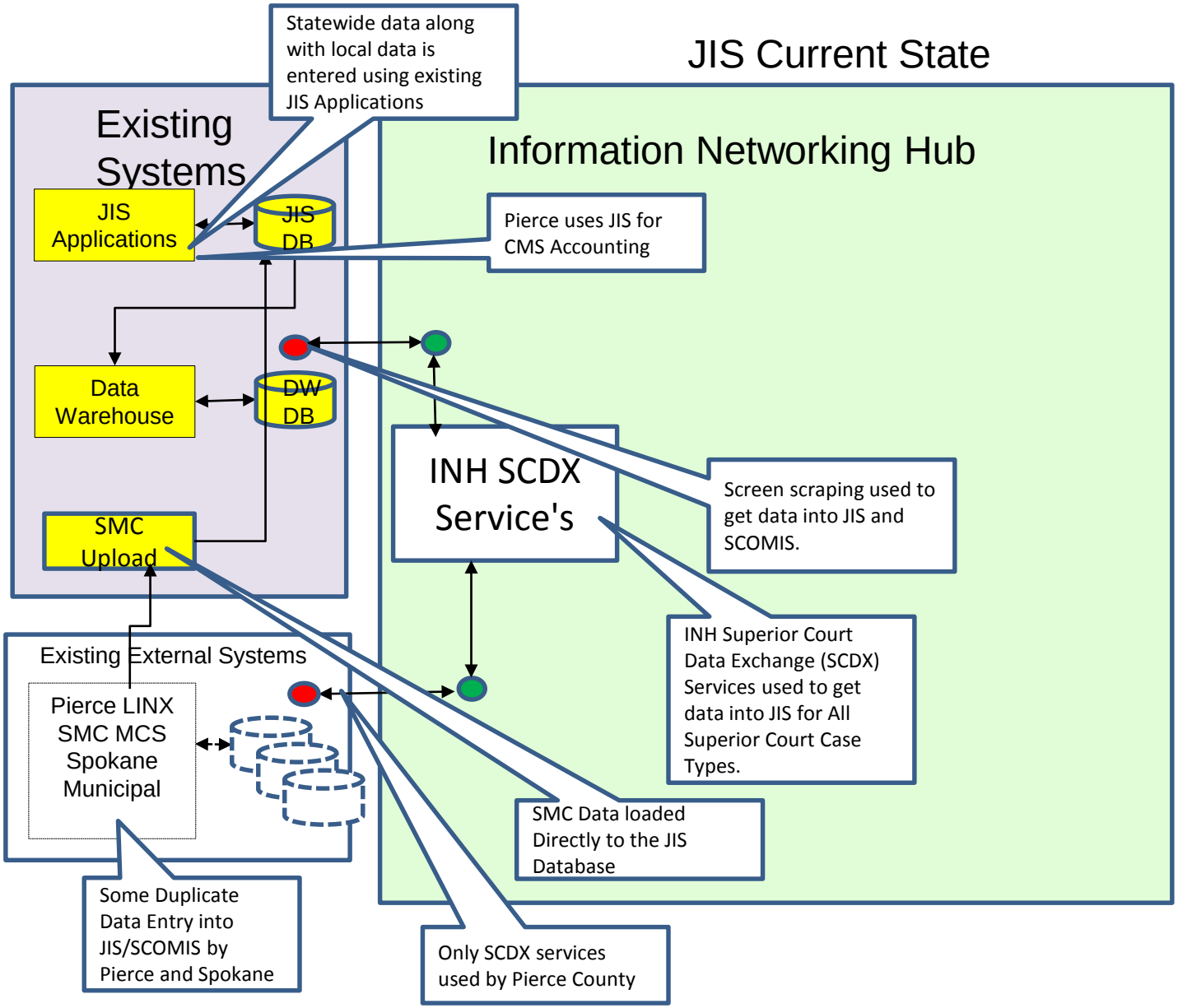
- A replacement for the AOC Data Warehouse. The EDR is designed to complement it.

- A source of Local Data. Data that is outside of the statewide data sharing standard is called “Local Data”.

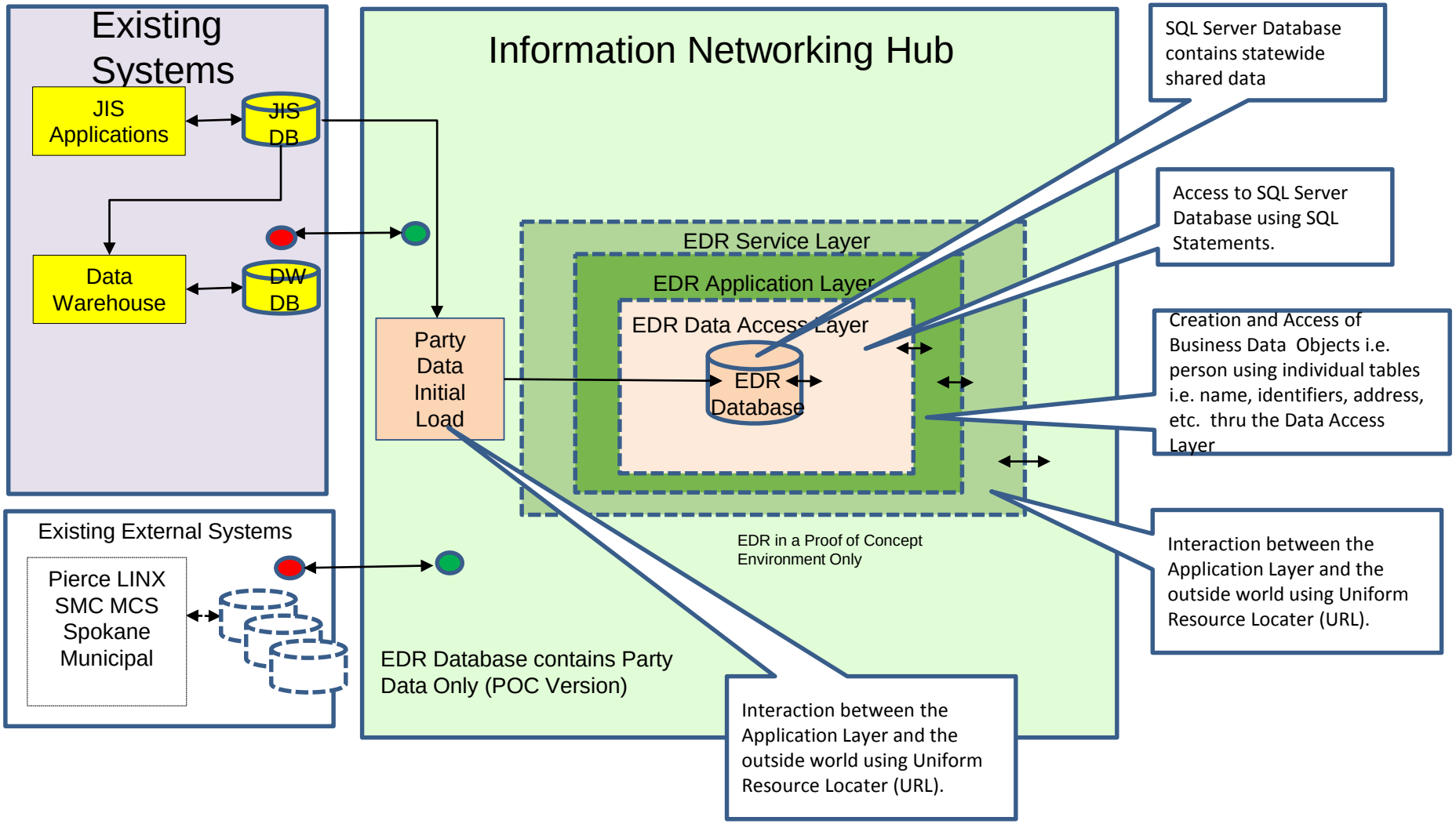
- The integration needed for an application to use the EDR. This work by courts and AOC is needed for applications to “talk” to and “receive responses” to the EDR using the INH.

INH EDR Roadmap

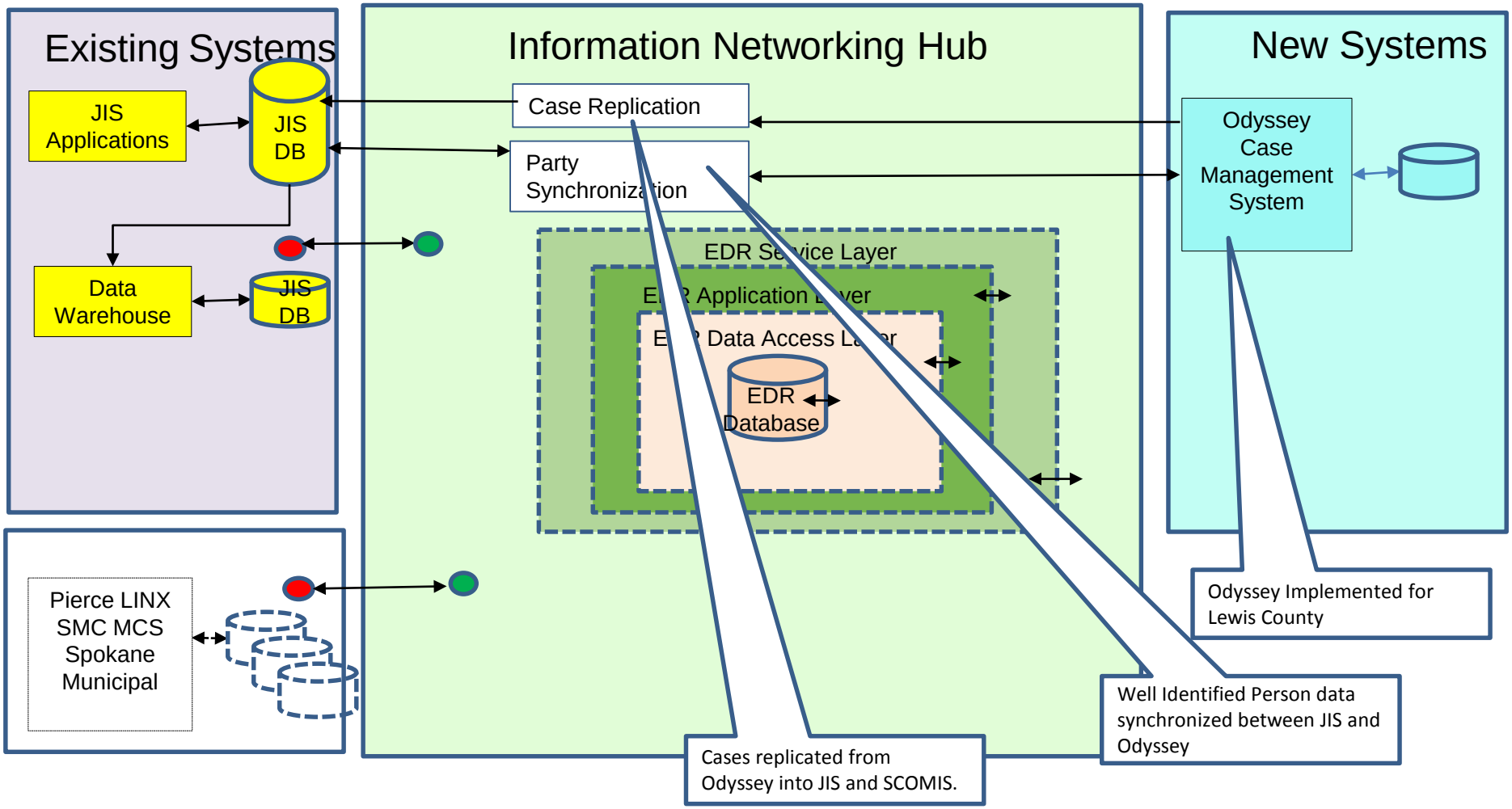
- JIS Current State – The JIS database is the statewide repository. Some INH services used by Pierce County.
- Proof of Concept – Feasibility of technical components and support for data standards validated.
- Superior Court CMS Pilot – EDR not used. Party synchronization between JIS and Odyssey. Case Replication from Odyssey to JIS.
- Transition – Development of baseline EDR capabilities and work on planned extended features. Applications start using the EDR.
- Target Environment – Completion of planned extended features. Continued transition of applications to use the EDR.
- Full Modernization – All legacy JIS application modernized thru enhancement or replacement. All applications use the EDR.


JIS Current State
Statewide data along with local data is entered using existing JIS Applications
Existing Systems
Information Networking Hub
JIS Applications
JIS DB
Pierce uses JIS for CMS Accounting
Data Warehouse
DW DB
INH SCDX Service's
Screen scraping used to get data into JIS and SCOMIS.
SMC Upload
INH Superior Court Data Exchange (SCDX) Services used to get data into JIS for All Superior Court Case Types.
Existing External Systems
Pierce LINX
SMC MCS
Spokane Municipal
SMC Data loaded Directly to the JIS Database
Some Duplicate Data Entry into JIS/SCOMIS by Pierce and Spokane
Only SCDX services used by Pierce County

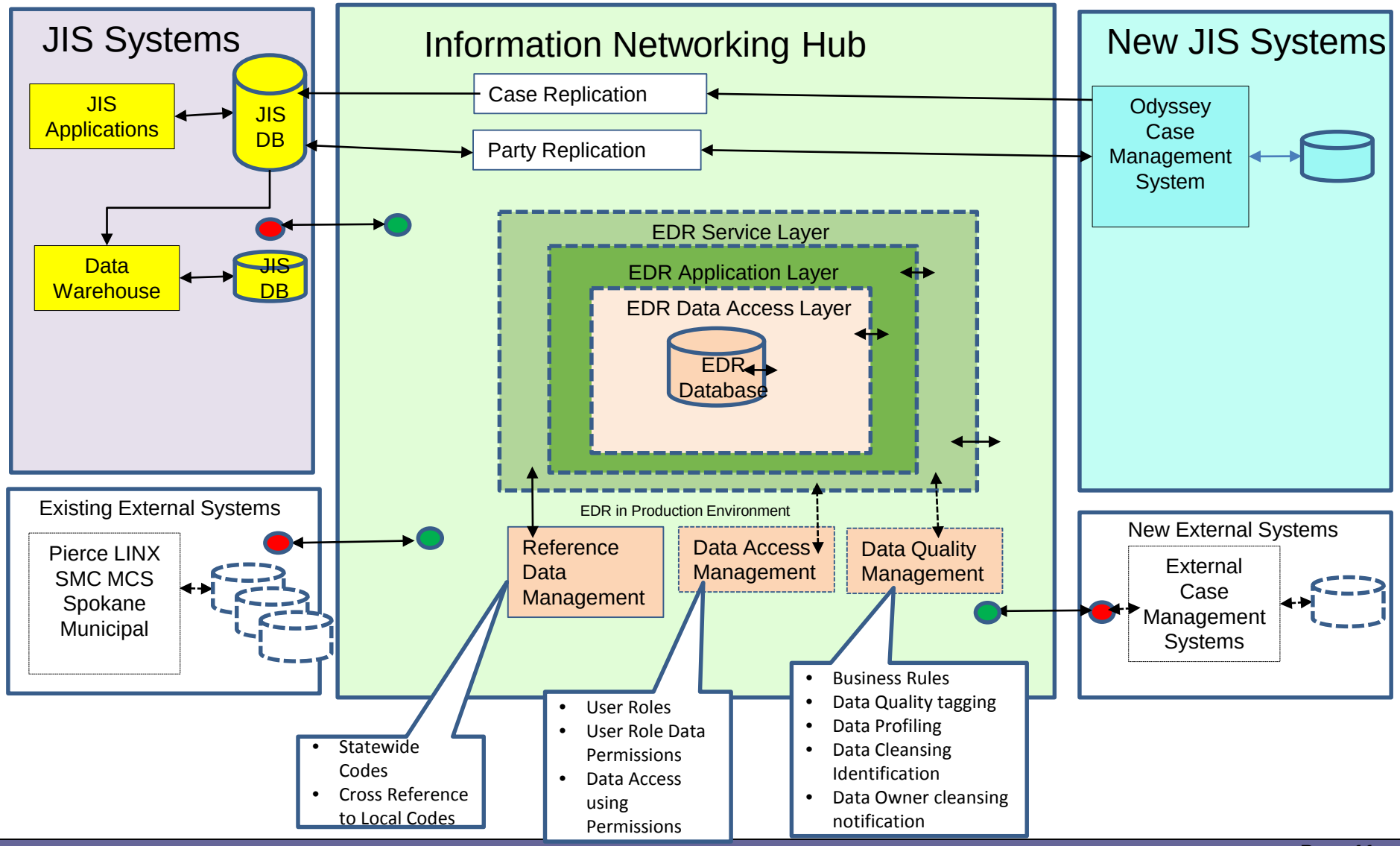
Enterprise Data Repository Proof of Concept (POC)



EDR State for SC-CMS Pilot Environment

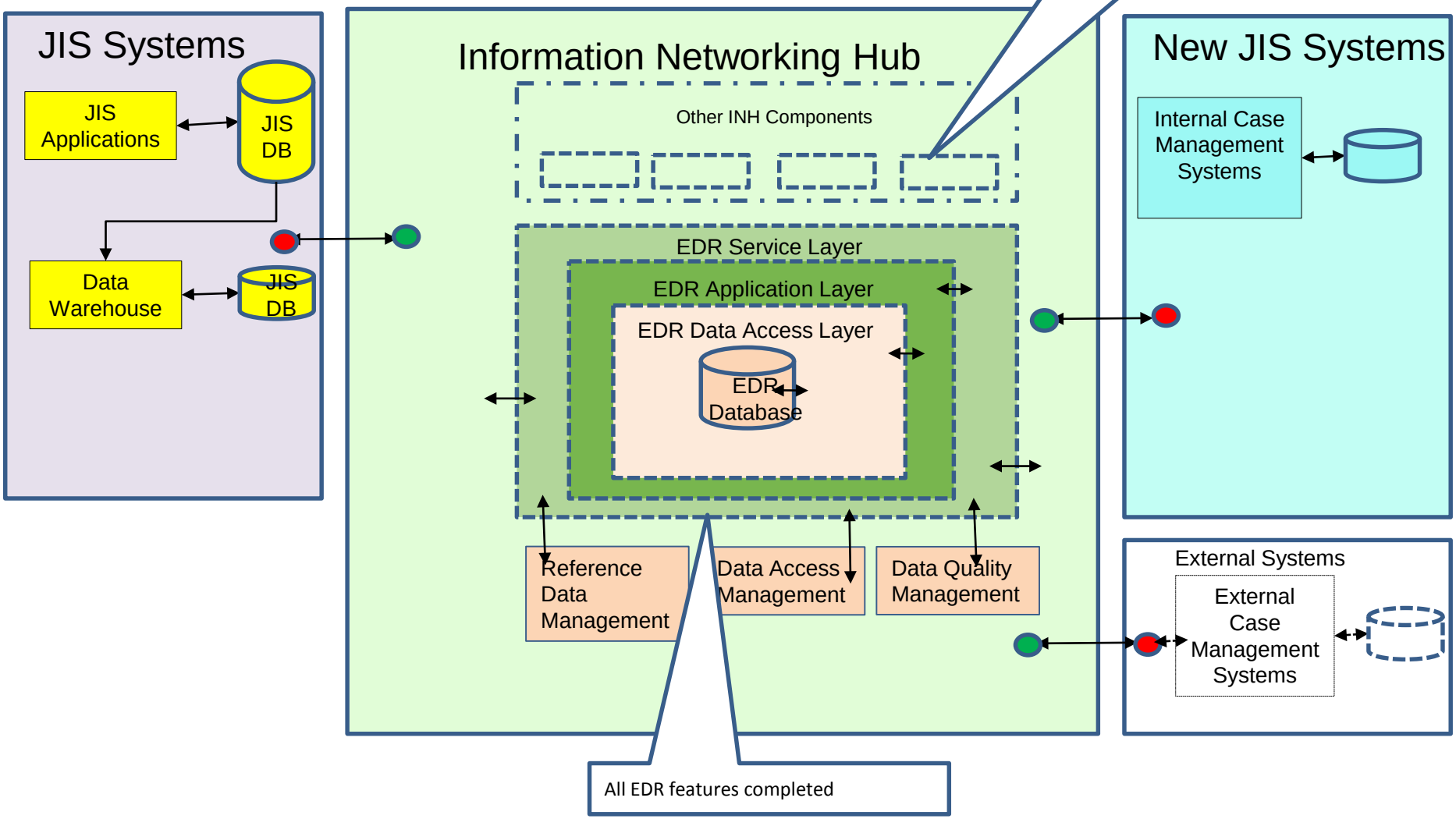


Transition Environment

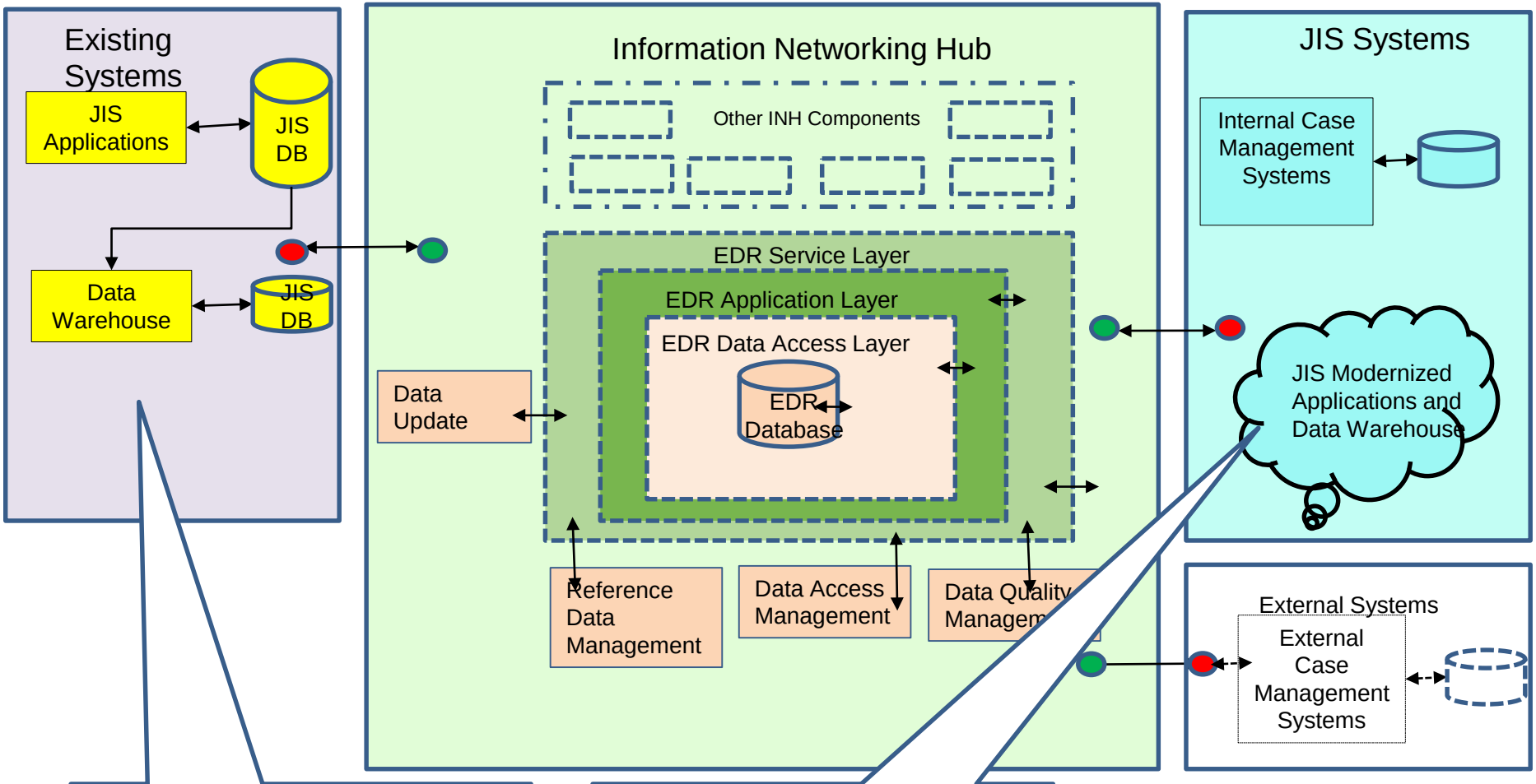


More INH components implemented.
- Publish/Subscribe
- Document Management System Integration

EDR Target Environment



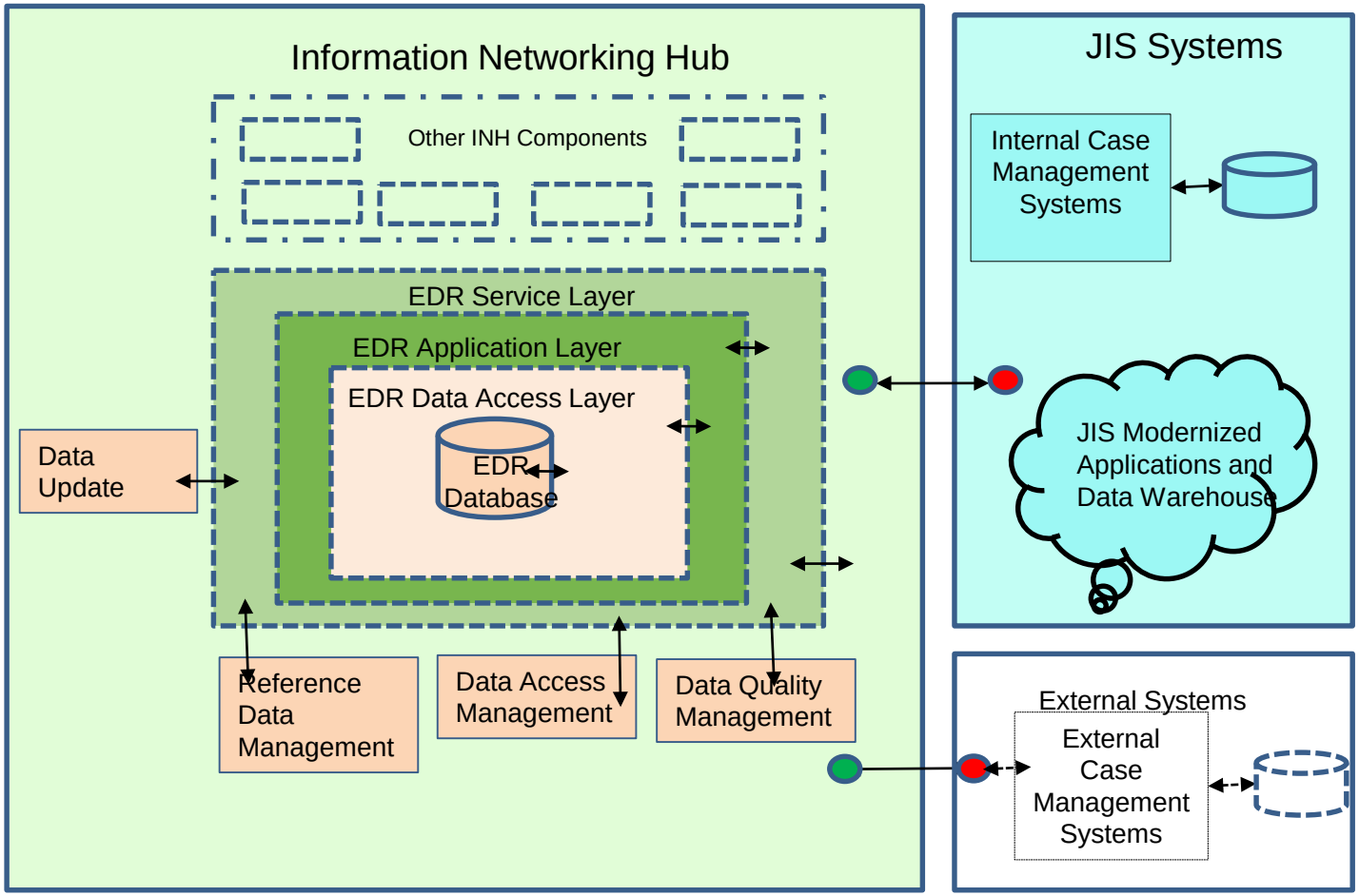
Full Modernization Environment



JIS Application will continue to be supported. Long term modernization completed when last application is modernized.

JIS Applications – JCS ASRA, Data Warehouse, Caseload Statistics Web Search etc., get replaced to use EDR or modernized to use the EDR

Full Modernization Environment (old JIS gone)



EDR – Good News

- Overall simplification of work required to share data.
- Faster implementation when compared to the existing Superior Court Data Exchange method.
- Flexible access to statewide shared data.

EDR – Implications

- Accepting data into the EDR with limited up front validation rules increases backend data governance and data quality needs.
- Increased data security responsibilities by the courts.
- Existing JIS applications will require integration to access the new EDR database.
- AOC and Court work is reduced as compared to SCDX services but remains significant for both AOC and courts (see onboarding slide).

Potential Impacts

Application	Decision Support	Reporting	Case	People	Accounting
ACORDS			Impact		
AC-ECMS			Impact		
SCOMIS	Impact	Impact	Impact	Impact	
JRS					
CAPS					
JIS CLJ Case Management	Impact	Impact	Impact	Impact	
JIS Accounting		Impact			Impact
JIS Person	Impact			Impact	
JIS SCOMIS Integration				Impact	
eTicketing		Impact			
JCS	Impact	Impact	Impact		
JABS	Impact		Impact	Impact	
JIS Link	Impact		Impact	Impact	
Assessments.com		Impact			
ASRA	Impact				
VRV					
Public Facing Web Sites	Impact	Impact			
Data Warehouse	Impact	Impact			
Internal Web Sites	Impact				
Judical Partner Exchanges	Impact				Impact
Judicial Exchanges with Courts	Impact				
Document Indexing					
Assessment.com					
Odyssey	Impact			Impact	
Caseload Statistics	Impact		Impact		
Public Web Searches	Impact		Impact	Impact	

EDR – Onboarding JIS Courts
AOC and Court Required Effort

- Identify what portions of the standards apply to your organization.
- Identify data to be provided to the EDR and what information is needed in return.
- Include data standards as requirements for any system development or acquisition.
- Cross reference court data to the corresponding standard data elements.
- Develop organizational capability to develop, operate and maintain data sharing.

EDR – Onboarding JIS Courts
AOC and Court Required Effort

- Develop test and deploy court data sharing interfaces.
- Enter into a Service Level Agreement (SLA) with AOC for data sharing, data quality, and auditing.
- Develop data quality governance and operational capability for correcting data.
- Monitor data sharing and perform periodic audits to ensure consistency and completeness of shared data.

EDR – Questions