Data Exchange Initiative

Project Release Plans

Superior Court Data Exchange (SCDX)
Information Networking Hub (INH)
October 18, 2012

Data Exchange Initiative

Introduction

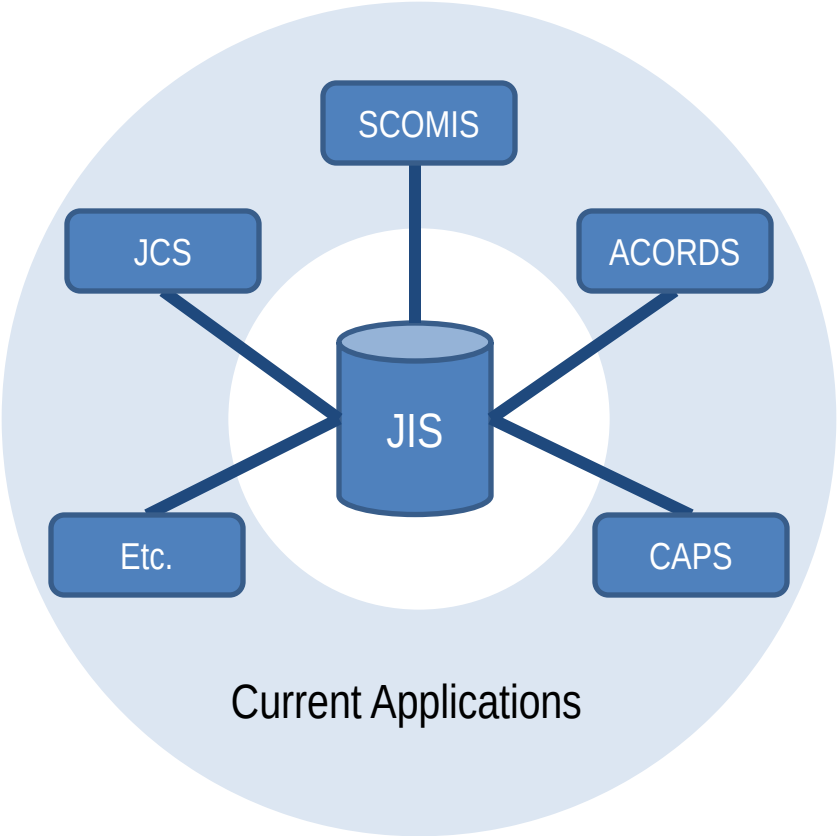
Governance

Goal: Enable All Courts to Share Essential Data

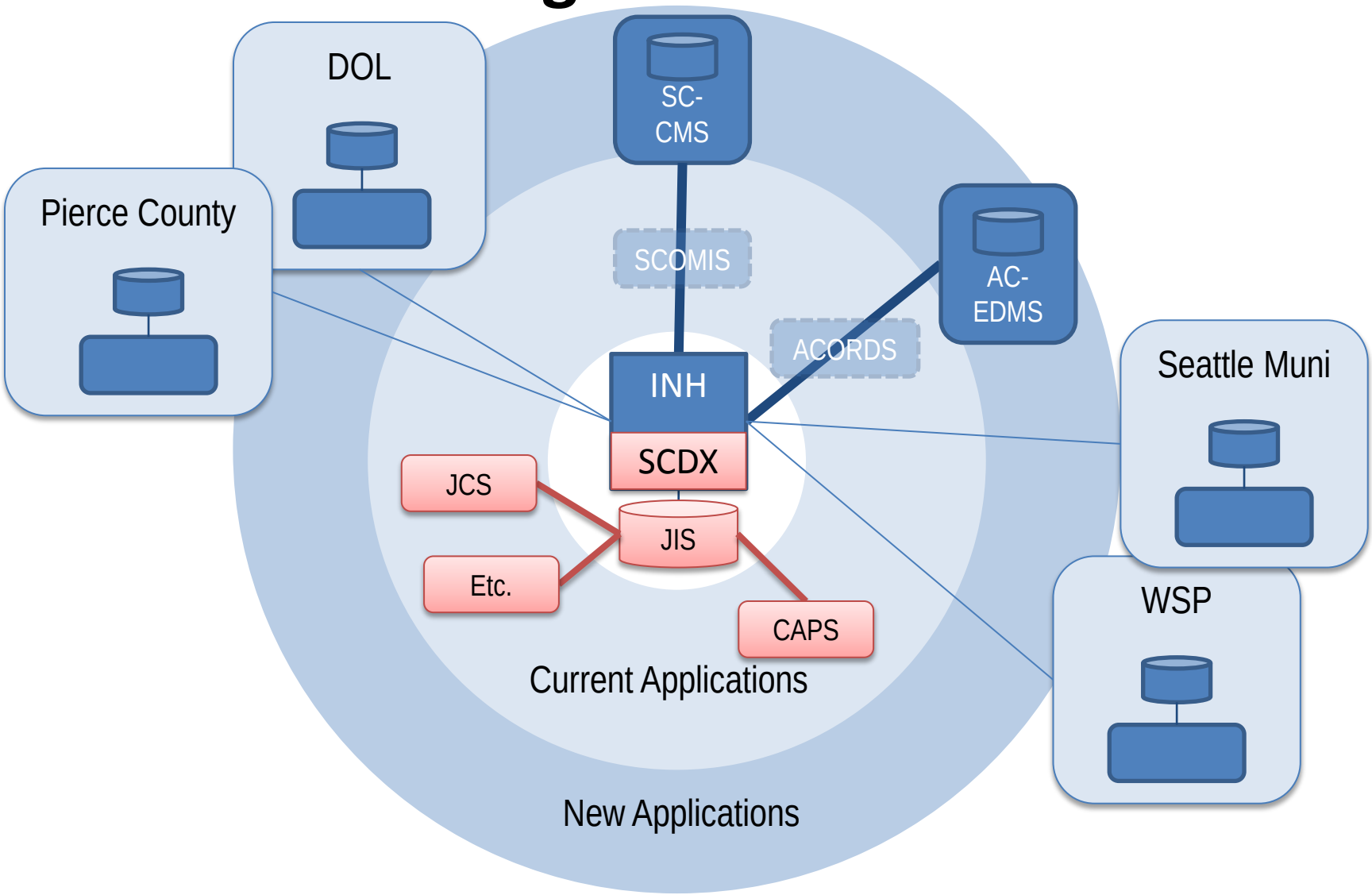
Objectives	Improve Data Quality	Improve Data Integration	Improve Decision Support	Modernize Systems
System Modernization Initiative	X		X	X
Data Exchange Initiative	X	X	X	X
Data Quality Initiative	X	X	X	

Each Initiative Has Multiple Projects

Data Exchange - Current Environment



Data Exchange – Future Environment



Data Exchange Initiative

- Established With the Following Key Goals:
  - Improve Data Sharing Across Various Court Systems and Justice Partners
  - Enable Transition to New Technologies
  - Use Open & National Standards for Data Sharing
  - Simplify and Standardize Cross-Agency Data Sharing.

- Currently Includes Two Active Projects
  - Superior Court Data Exchange (SCDX)
  - Information Networking Hub (INH)

Data Exchange Initiative

Superior Court Data Exchange (SCDX) Project

SCDX Functional Purpose

Improve Timeliness and Completeness of Information Sharing Across All Courts

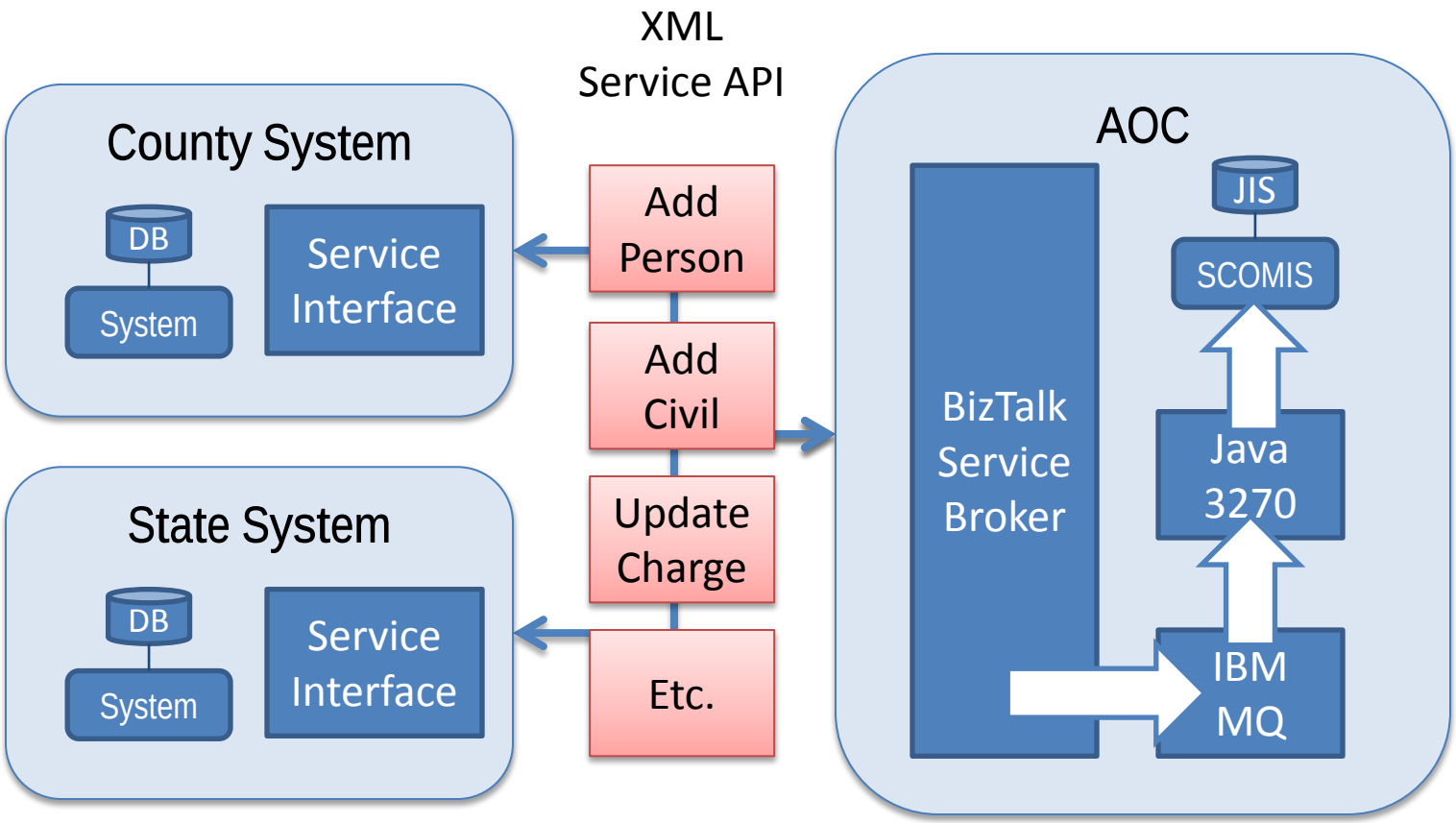
- Reduces Redundant Data Entry
- Allows Counties More Technology Independence.
- Provide Counties More System Integration Options

SCDX Technical Purpose

Provide Modern Technology Access for Legacy SCOMIS Transactions

- Underlying Technology
  - Web Services Model
  - National Information Exchange Model (NIEM)
  - Microsoft BizTalk
  - IBM Message Queuing for Guaranteed Delivery
  - Java 3270 Emulation

SCDX Conceptual Architecture

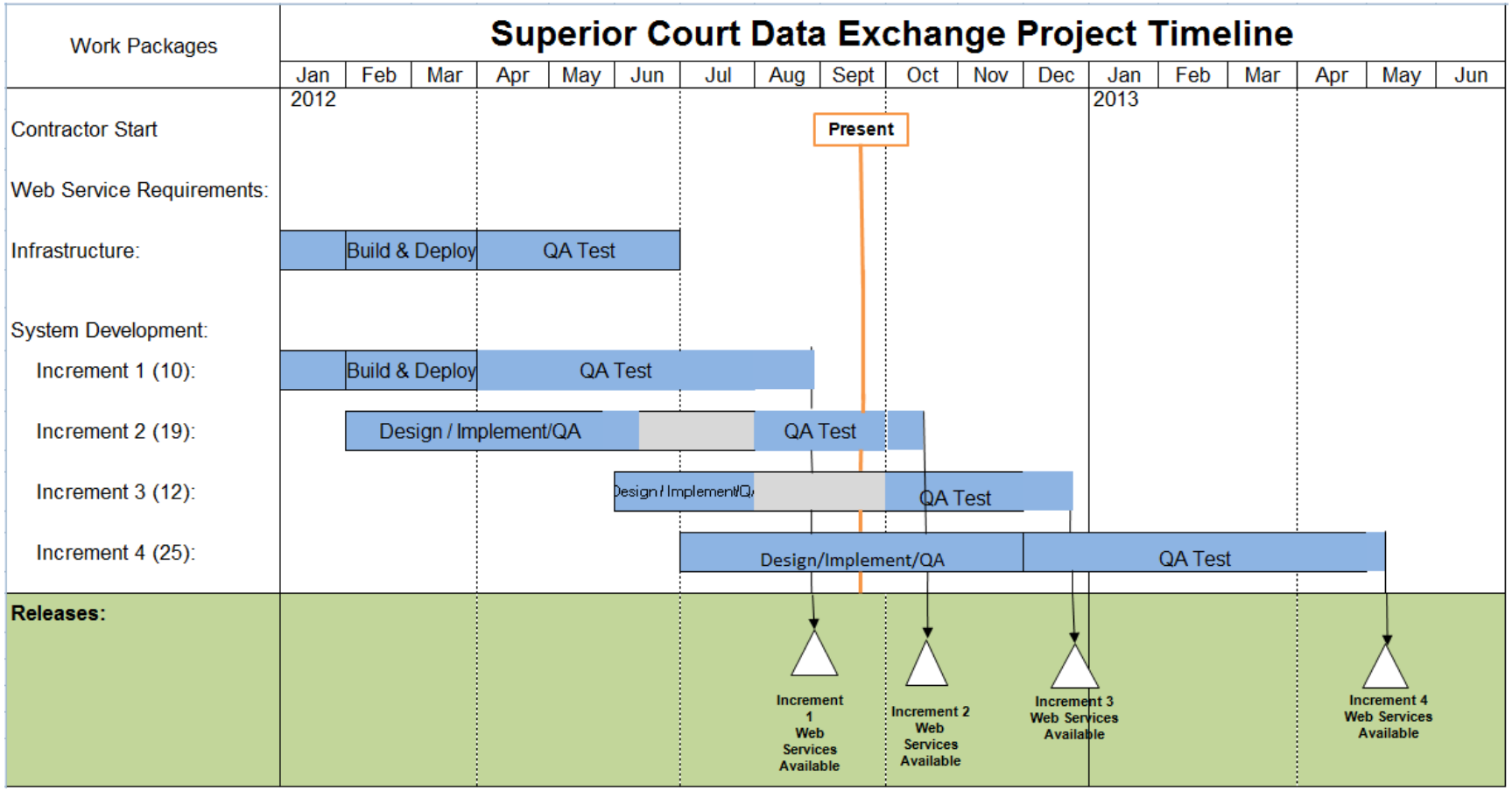


SCDX Service/Exchange Inventory

STATE OF WASHINGTON AOC
SCOMIS DATA EXCHANGE PROJECT & INH
SCDX EXCHANGES BY FAMILY GROUPS

#	Exchange Family	Add	Update	Delete	Other
Case Initiation					
	Criminal Filing	10.01.1	10.01.2	-	-
	Civil Filing	10.02.1	10.02.2	-	-
	Juvenile Offender Filing	10.03.1	10.03.2	-	-
	Juvenile Dependency	10.04.1	10.04.2	-	-
	Judgment Case	10.40	10.41	-	-
	Information	-	10.51.2	-	-
	DOL Person Info	-	-	-	-
	Case Referral	10.05.1	10.05.2	10.05.3	-
Case Processing					
	Case Suspended Status	10.20.1	10.20.2	10.20.3	-
	Process Control Number	10.30	-	10.32	-
	Case Docket	40.10	40.13	40.14	**Insert** 40.12
Charge Processing					
	Information Charge	10.51.1	-	10.51.3	-
	Charge	10.53.1	10.53.2	10.53.3	-
Case Participants					

Inventory of Available Services are Being Compiled


Superior Court Data Exchange Project Timeline
Work Packages
Jan Feb Mar Apr May Jun Jul Aug Sept Oct Nov Dec Jan Feb Mar Apr May Jun
2012
2013
Contractor Start
Present
Web Service Requirements:
Infrastructure:
Build & Deploy
QA Test
System Development:
Increment 1 (10):
Build & Deploy
QA Test
Increment 2 (19):
Design / Implement/QA
QA Test
Increment 3 (12):
Design / Implement/Q
QA Test
Increment 4 (25):
Design/Implement/QA
QA Test
Releases:
Increment 1 Web Services Available
Increment 2 Web Services Available
Increment 3 Web Services Available
Increment 4 Web Services Available

Data Exchange Initiative

Information Networking Hub (INH) Project

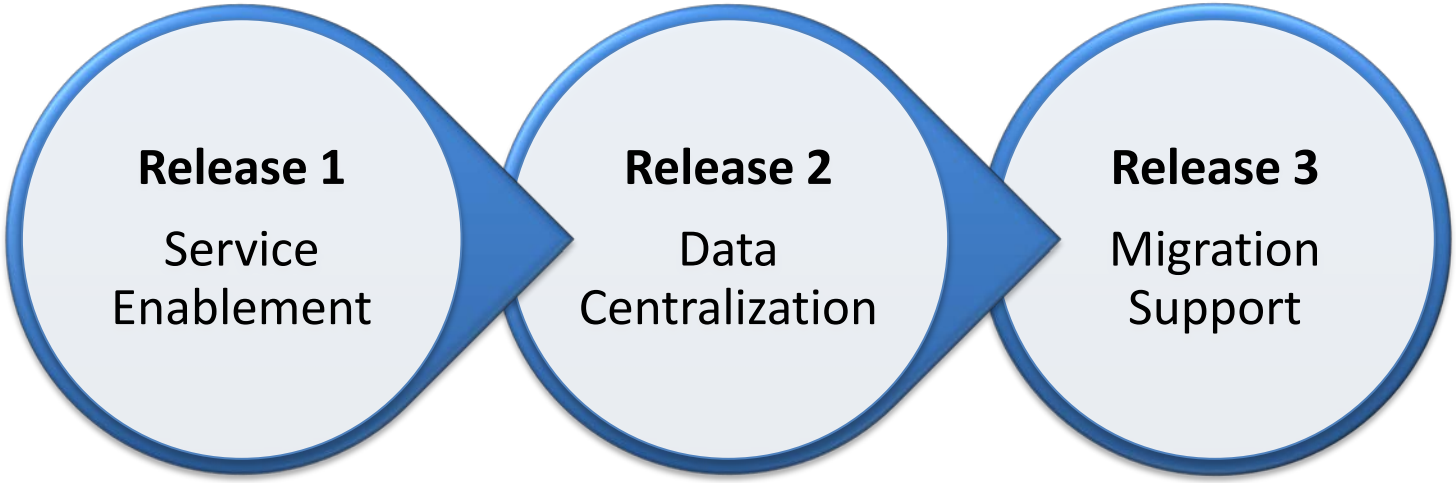
Overall INH Goals

1. System Integration- Provide standard tools/services for other systems to access data in legacy AOC systems.
2. Central Record Access - Access statewide court records from a single place.
3. Data Quality Automation – Automate improvement of data contained in court records and resolve potential data conflicts.
4. Centralize State Agency Integration – Provide Single Point for integrating with state agency systems.
5. System Transition Support – Enable systems to evolve and migrate off of legacy data sources.

Strategy Principles

- Minimize User Impact
- Minimize Impact on Other Systems
- Harmonize with SC-CMS Deployment
- Modernize Information Sharing
- Consolidate View & Access of Statewide Data
- Leverage Prior Project Work Where Possible

INH Release Strategy

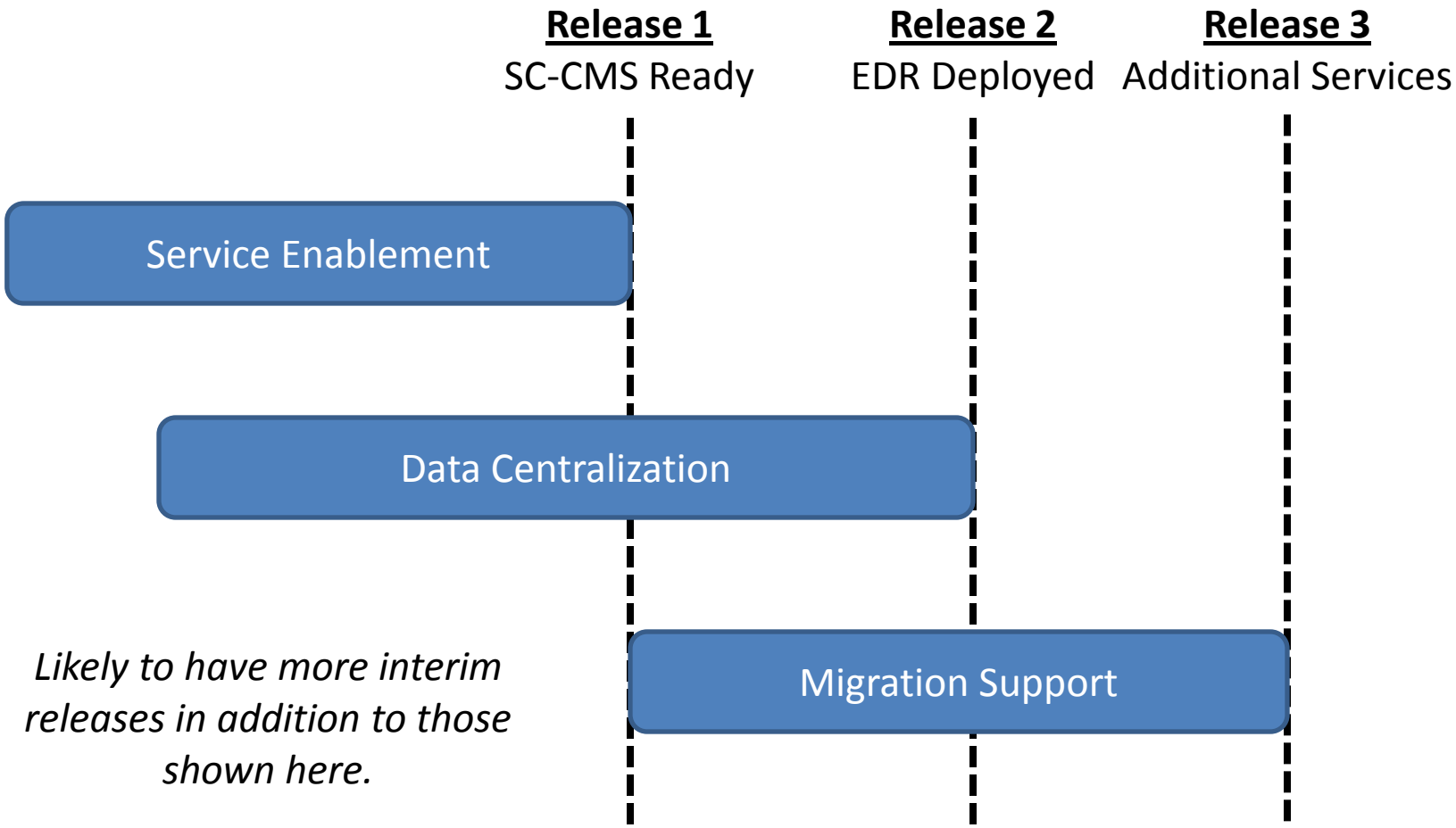


- Implement Known Services
- Leverage JIS as Authoritative Data Source.
- Monitor & Baseline Data Quality

- Establish an Enterprise Data Repository (EDR)
- Centralize Data Across CMS Systems
- Automate Data Quality Reporting
- Automate Data Cleansing Processes

- Add New Services Requested
- Support Internal Application Migration
- Further Support Stakeholder Application Migration

INH Release Approach



Likely to have more interim releases in addition to those shown here.

Release 1 - Goals

1. System Integration- Provide standard tools/services for other systems to access data in legacy AOC systems.
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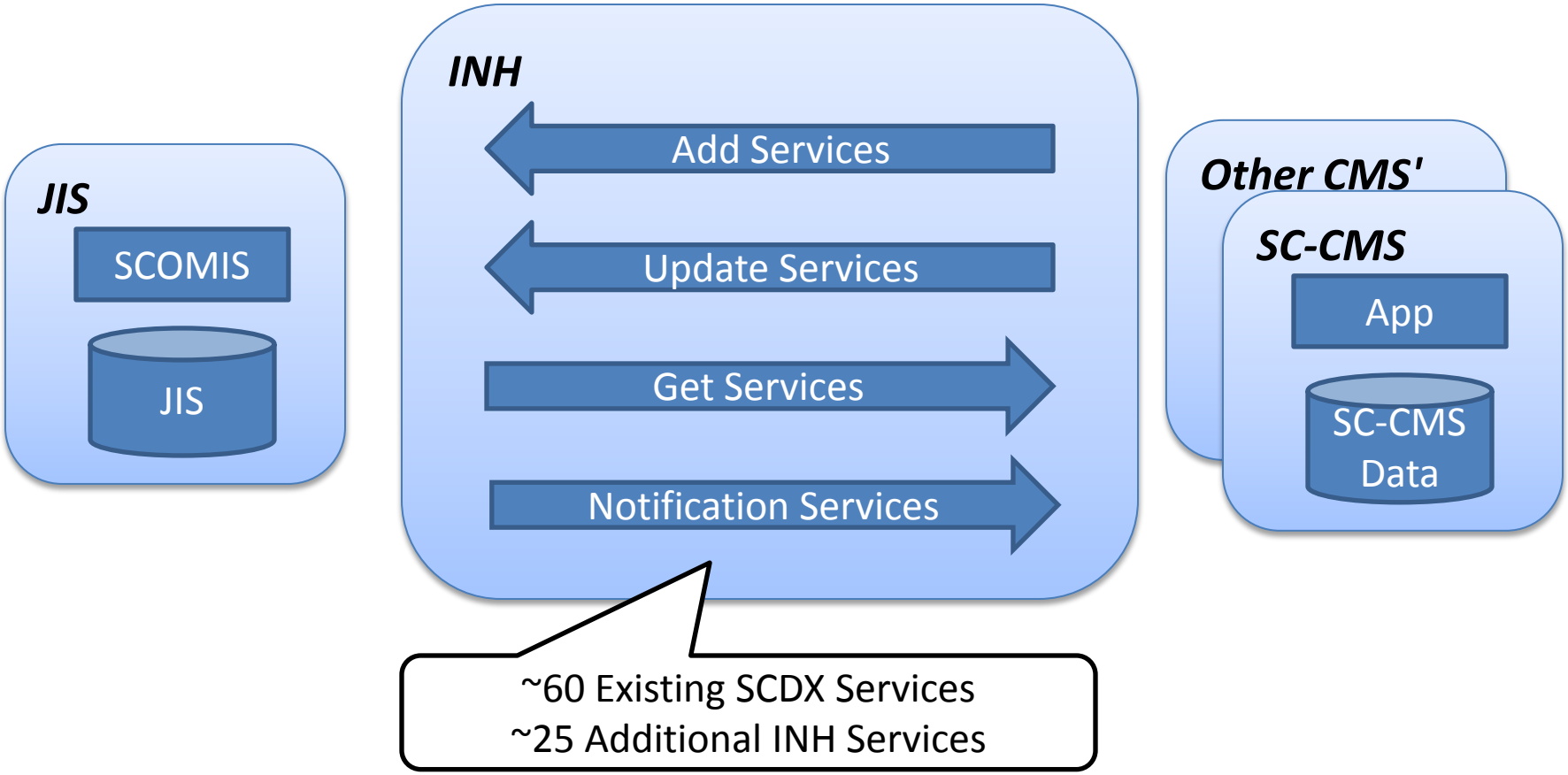
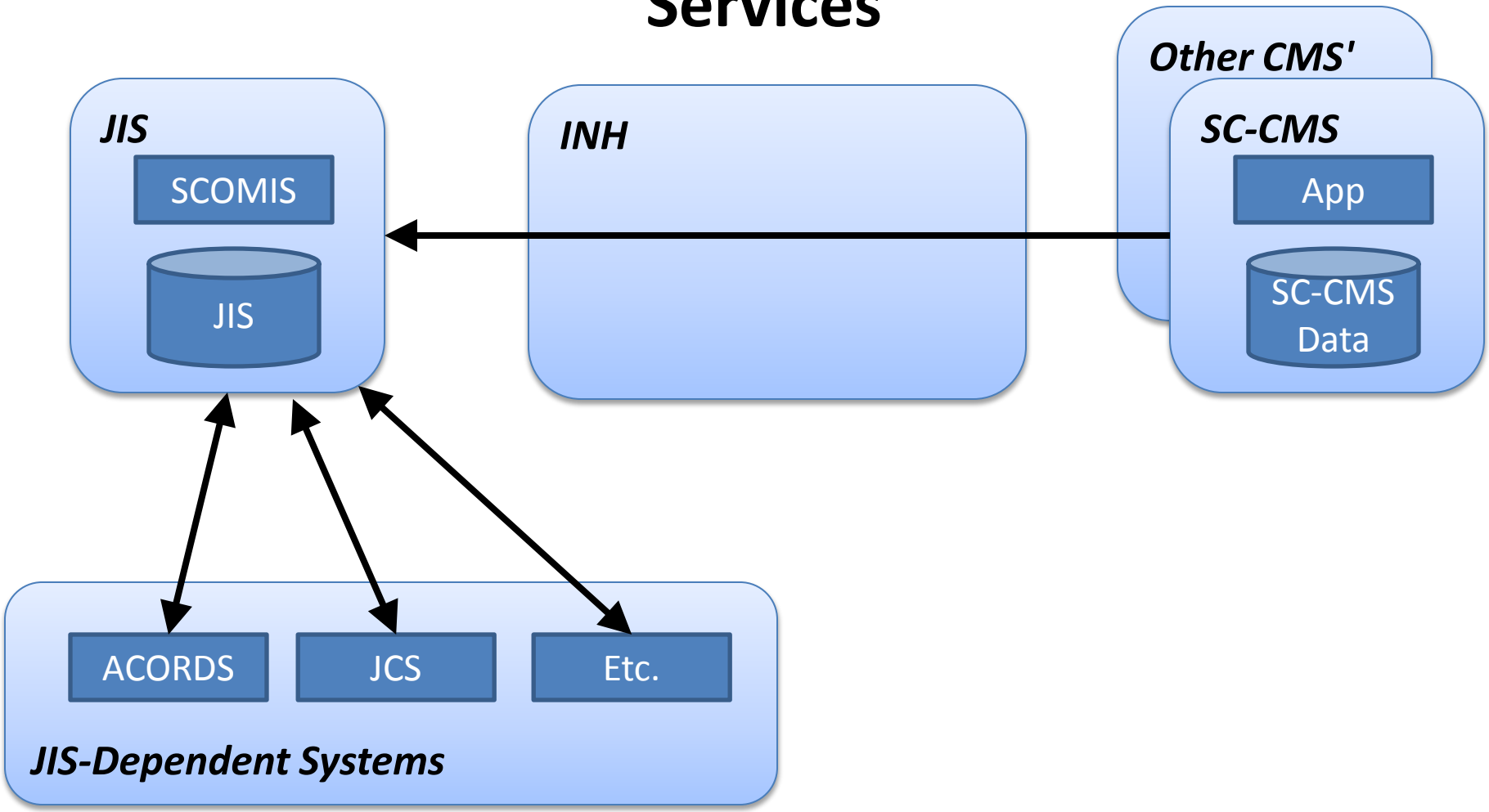
Release 1 - End State



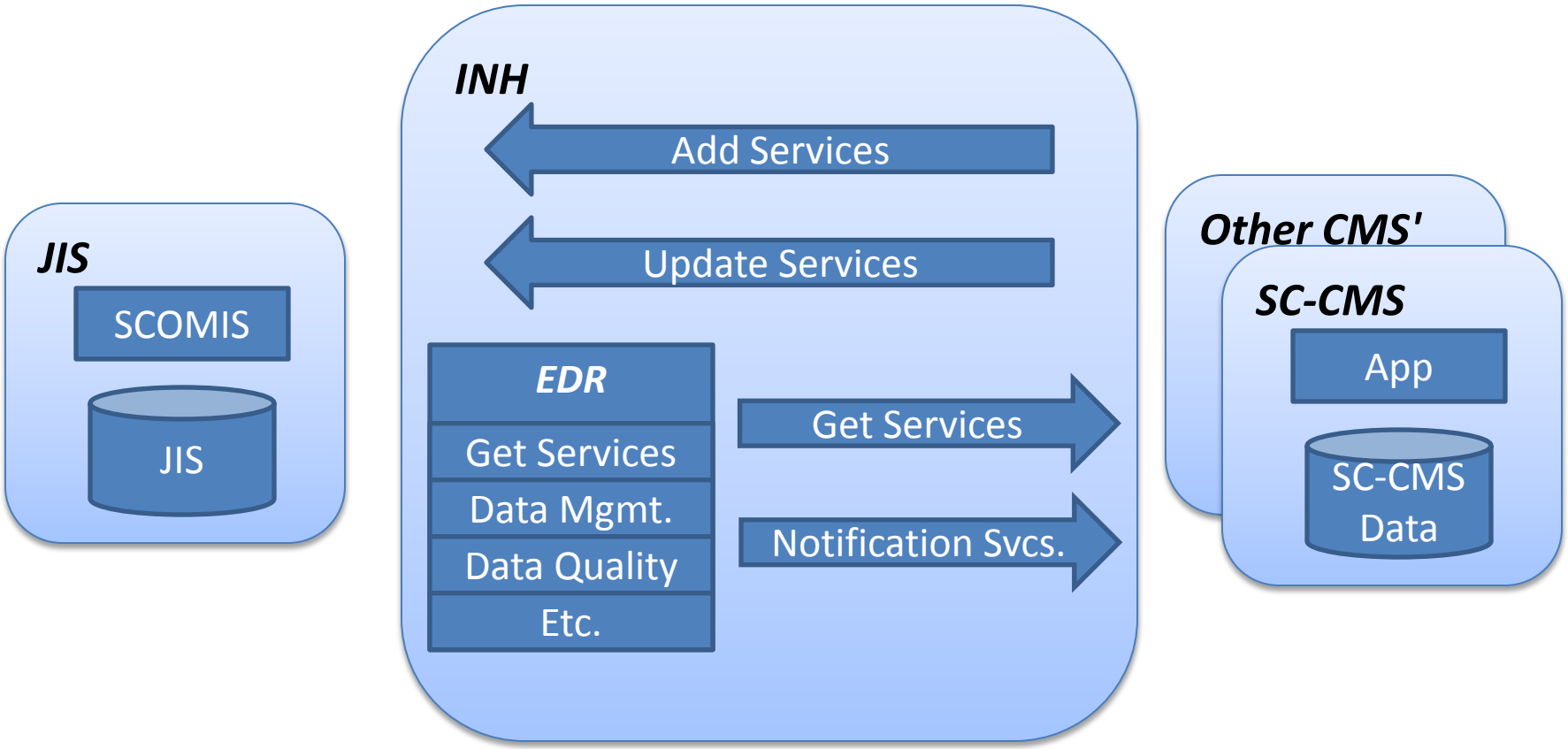
JIS-Dependent Systems Maintained Through Services



Release 2 - Goals

1. *System Integration- Provide standard tools/services for other systems to access data in legacy AOC systems.*
2. Central Record Access - Access statewide court records from a single place.
3. Data Quality Automation – Automate improvement of data contained in court records and resolve potential data conflicts.
4. Centralize State Agency Integration – Provide Single Point for integrating with state agency systems.
5. System Transition Support – Enable systems to evolve and migrate off of legacy data sources.

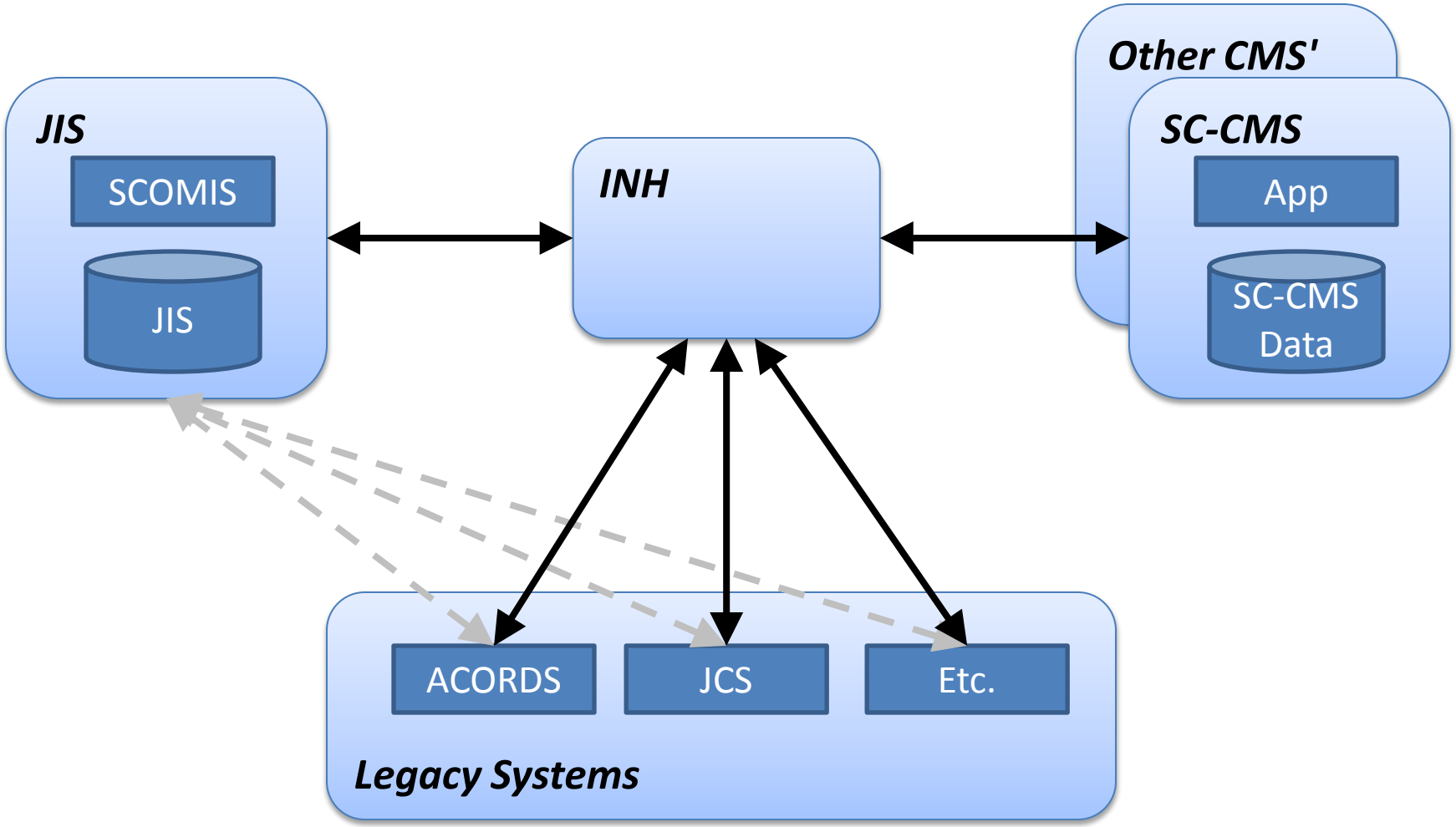
Release 2 – End State



Release 3 - Goals

1. *System Integration- Provide standard tools/services for other systems to access data in legacy AOC systems.*
2. *Central Record Access - Access statewide court records from a single place.*
3. *Data Quality Automation – Automate improvement of data contained in court records and resolve potential data conflicts.*
4. Centralize State Agency Integration – Provide Single Point for integrating with state agency systems.
5. System Transition Support – Enable systems to evolve and migrate off of legacy data sources.

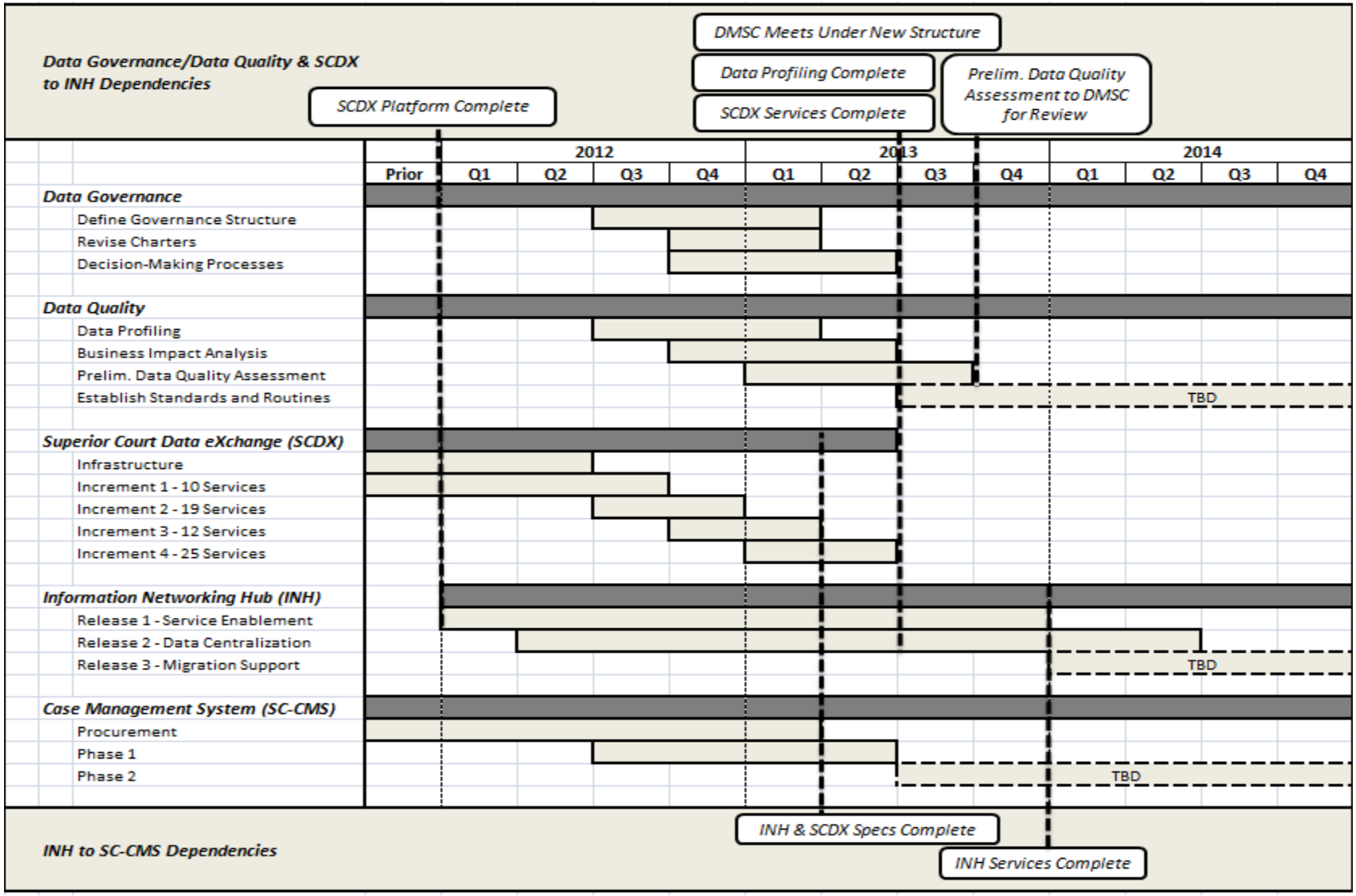
Release 3 – End State



Release/Sub-Project Status

Release	Design	Develop	Test	Deploy
1 – Service Enablement	Complete	WIP	-	-
2 – Data Centralization	WIP	-	-	-
3 – Migration Support	-	-	-	-

Additional Information

- **Release 1-Initial Pilot** – Service enablement pilot completed to prove out the first 2 services and confirm design. Lessons learned rolled into design and plans.
- **Release 1-Service Enablement** – Requirements and design are substantially complete. Developers working through
- **Release 2-Data Modeling** - Centralized data model being designed to incorporate both old and new CMS data structures. Plan to present draft model at a future DMSC.

Cross-Project Dependencies