

NJ Judiciary Reforming the Criminal Justice System

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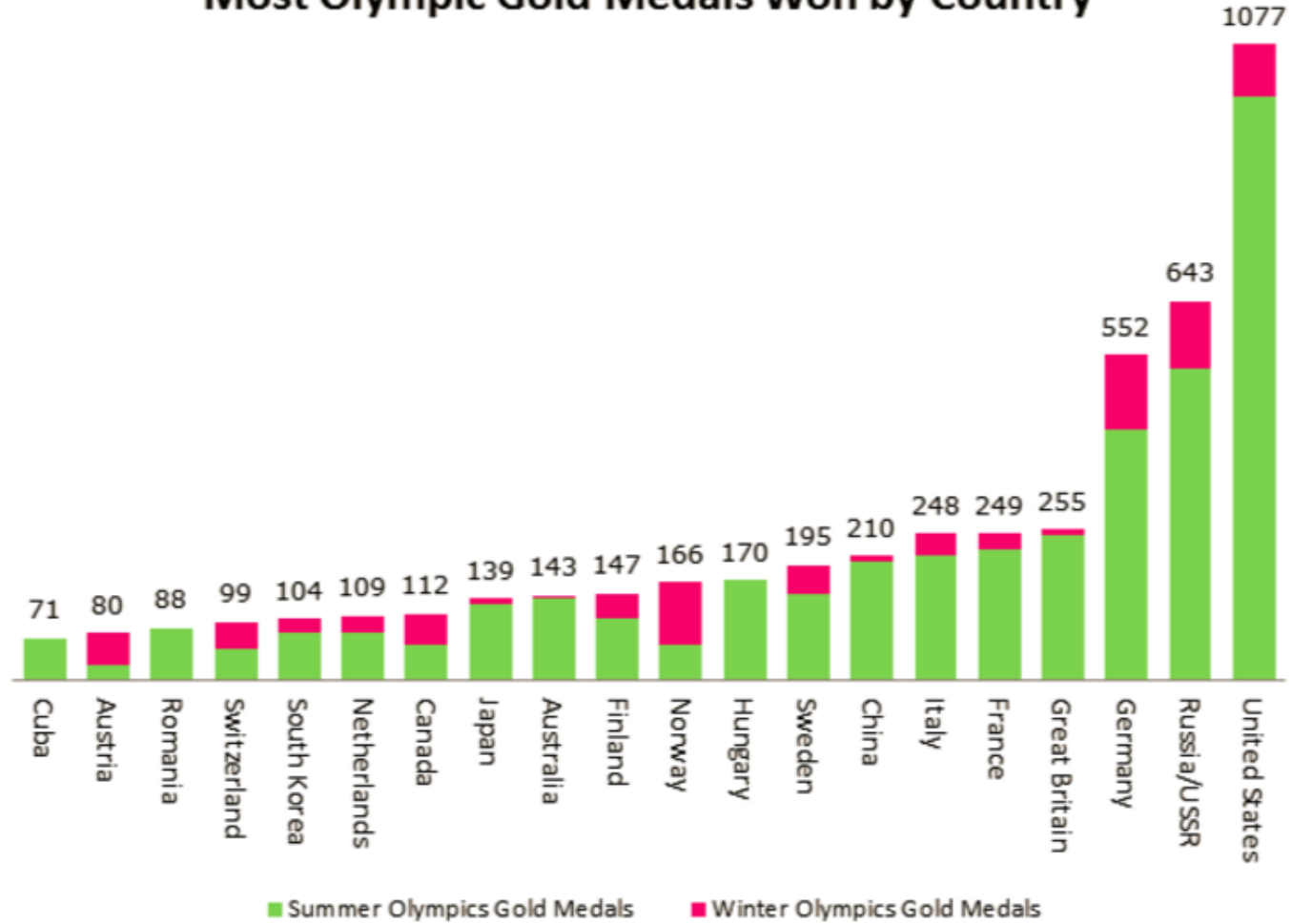


Agenda

- Incarceration
- Criminal Justice Reform Actions in NJ
- Technology's Role in Criminal Justice Reform
- Methodology at NJ Judiciary
- Lessons Learned & Recommendations

Leading the Way

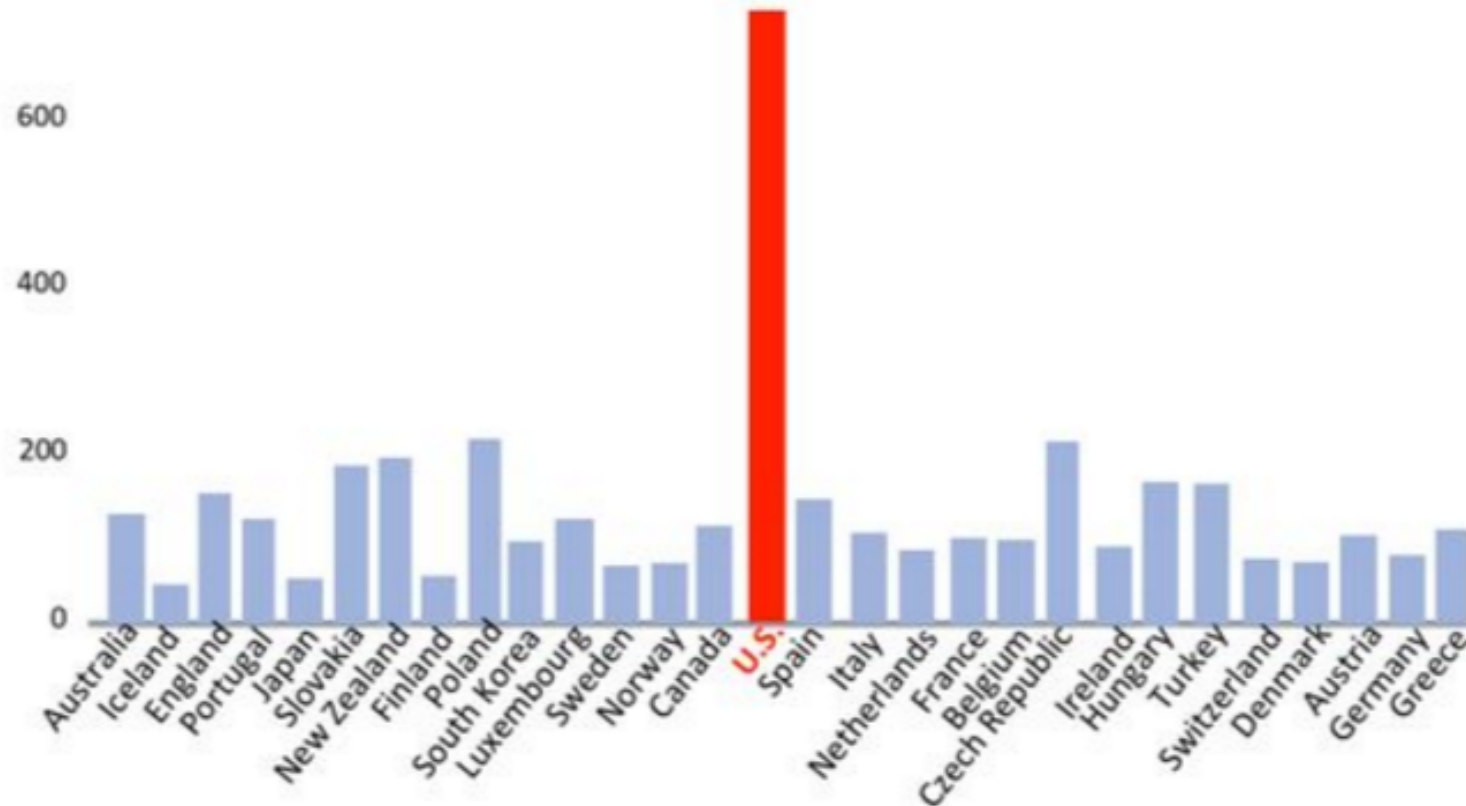
Most Olympic Gold Medals Won by Country



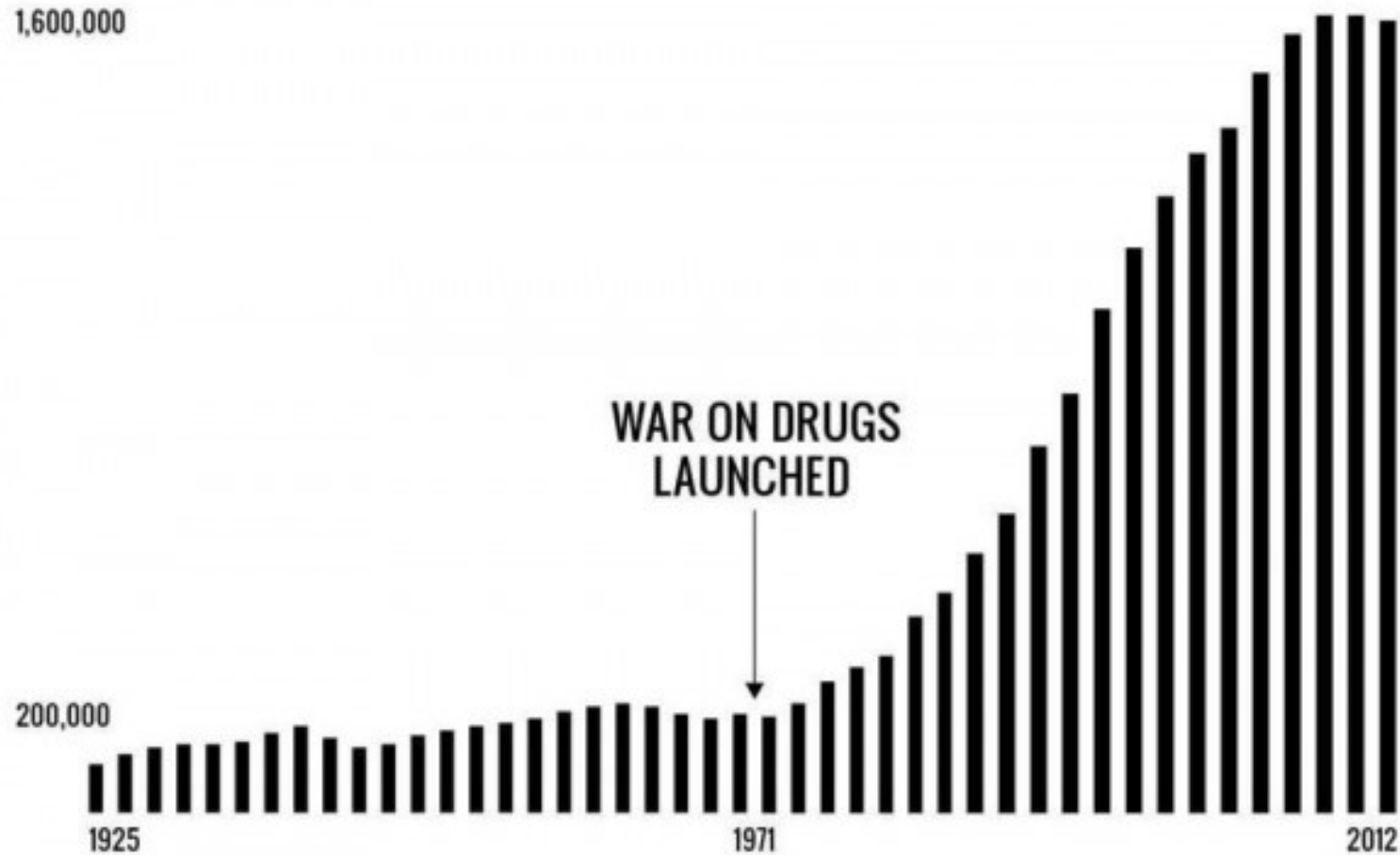
Facts on Incarceration

The U.S. has the highest incarceration rate of any country in the world, imprisoning about 716 out of every 100,000 citizens.

800 prisoners per every 100,000 citizens



Facts on Incarceration



THE U.S. STATE AND FEDERAL PRISON POPULATION HAS INCREASED OVER 800% IN JUST 40 YEARS

Facts on Incarceration

- There are 2.4 million people incarcerated in America
 - 25% of the world's incarcerated population, the US is 5% of the world's population
- Since 1980 the number of people incarcerated has quadrupled
 - The US incarceration rate is 4x higher than the UK and 6x higher than Canada
- Maryland has more people in prison than Iraq does.
 - Maryland total pop. is 5.9 million
 - Iraq total pop. is 31.9 million
- Ohio has more people in prison than Pakistan
 - Ohio total pop. 11.6 million
 - Pakistan total pop. 192.1 million
- 41% of young people in America are arrested by the time they turn 23.
- Overall it costs more than \$60 billion a year to keep everyone locked up.

Civic Moment

- Second Machine Age
 - Erik Brynjolfsson
- Two concepts:
 - 2nd half of the Chess Board
 - How far have we come in just 5 years and where will we be in 5 years when processing power keeps doubling every year to 18 months
- Civic Moment
 - Government moves at the speed of Civic Moments

Civic Moment – Gartner Key Findings

- Government leaders miss the synergistic value of mobile, information (data analytics), cloud and social technologies when these capabilities are deployed as point solutions only
- The end-to-end digitalization of government processes and operations makes it possible for multiple organizations – government, private and nonprofit – to participate seamlessly in the same value stream
- An event that triggers a series of cascading actions and data exchange across a network of people, businesses and organizations, and things to achieve a singular objective can be expressed in government as a "civic moment"
- Examples of Civic Moments merging with Technology
 - Radio
 - Hindenburg 1937, MLK "I Have a Dream Speech"
 - TV
 - 1980 "Do you believe in miracles", 1964 Beatles on Ed Sullivan, 1960 Kennedy Nixon debate,
 - Internet and Social Media
 - Something happens we know about it rightly or wrongly in minutes.
 - Could the next one be Algorithms?

Criminal Justice in NJ before 2014 Legislation Changes

- N.J. historically relied on setting monetary bail
- A 2013 study revealed 12% of the county jail population statewide could not afford a modest bail of \$2,500 or less yet posed little danger of flight
- Defendants with access to funds can be released on substantial bail even if they pose a danger to the community
- Cases lingered for years from arrest to trial because N.J. did not have speedy trial statutes or rules
- The transformation of the Criminal Justice System is a joint effort of the Judiciary, the Executive and Legislative Branches, and the Arnold Foundation

Introduction to NJ plans

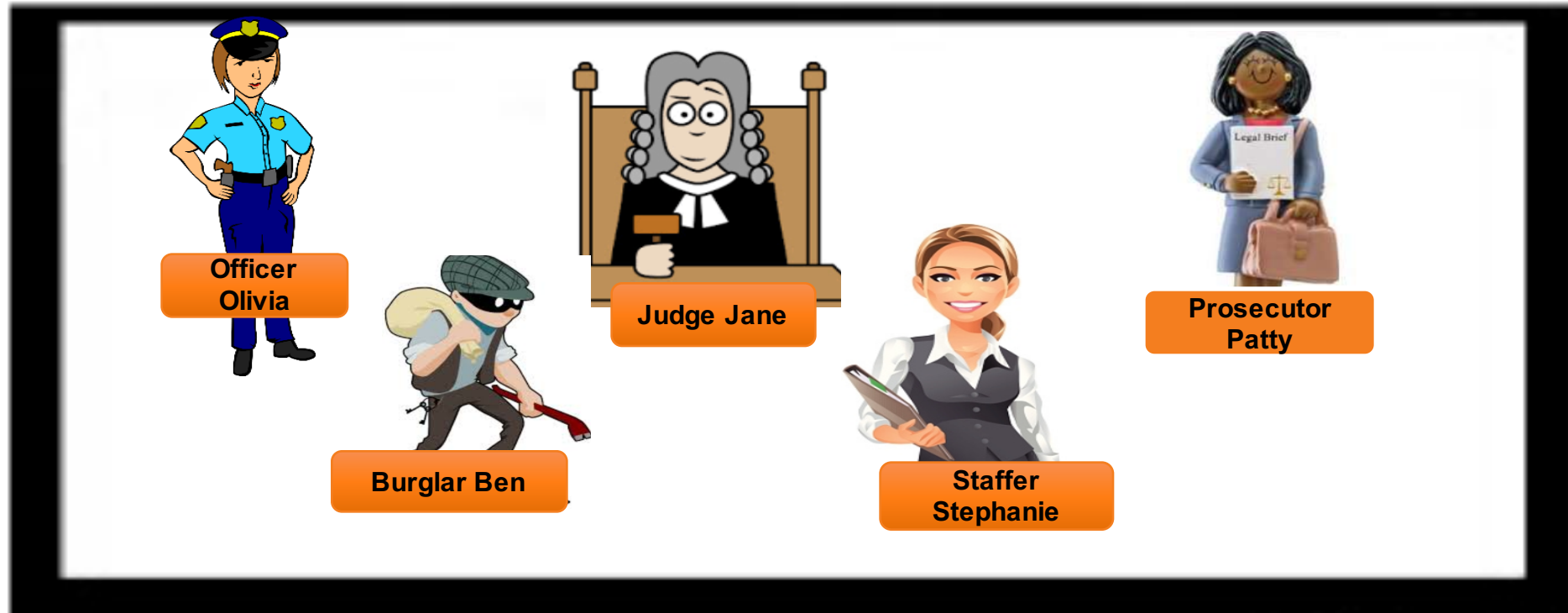
- Joint Committee on Criminal Justice was convened in late 2013
 - Chaired by Chief Justice Stuart Rabner
 - Included:
 - » Attorney General and Public Defender
 - » Leaders and senior staffers with the Legislature and Governor's office
 - » Judges and Judiciary staff
 - » The American Civil Liberties Union
 - » The Association of Criminal Defense Lawyers
 - » The New Jersey Bar Association
 - » Attorneys and interested advocacy groups

Criminal Justice Moving Forward with 2014 Legislation

- Bail reform will be based on objective risk factors that are not related to a persons wealth
- New risk based bail procedures will be focused on, risk for non appearance, risk to reoffend while on bail, risk the defendant will obstruct the criminal justice process
- A person may be detained pretrial based upon a high risk for non appearance, reoffending, obstruction of justice
- If detained they must be tried within specified time frames
- Low risk defendants will be released on conditions and monitored by pretrial services

TECHNOLOGY'S ROLE IN CRIMINAL JUSTICE REFORM

A Bail Reform Crime Story – The Starring Cast



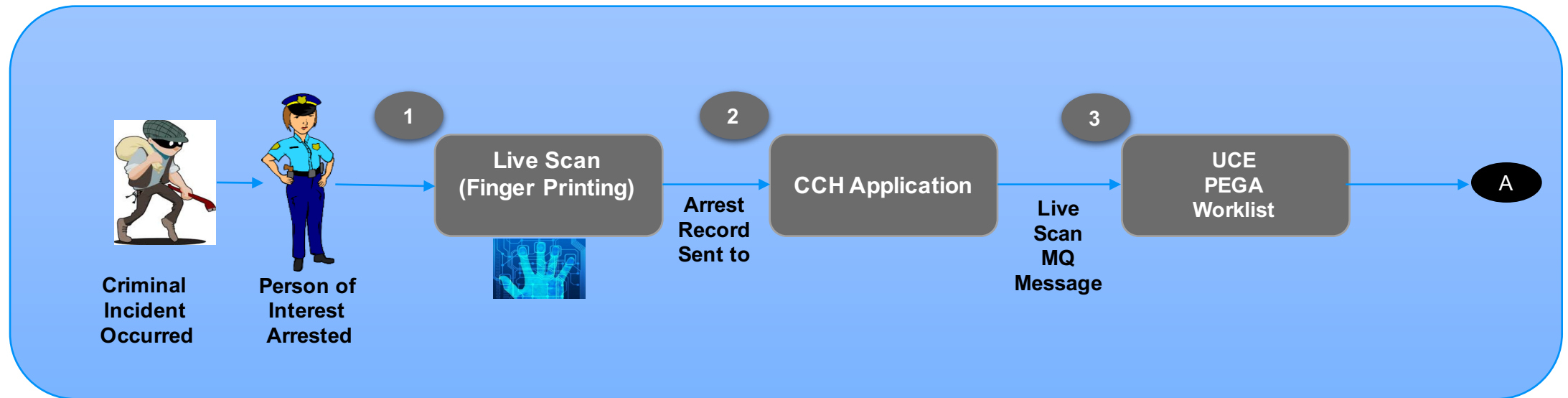
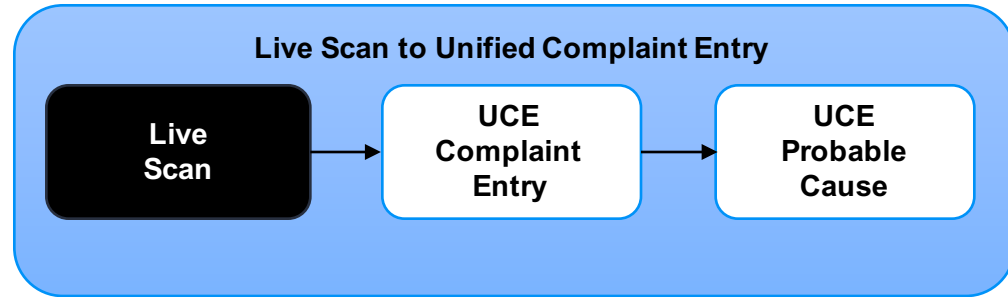
Burglar Ben and His Accomplices Break into a Home



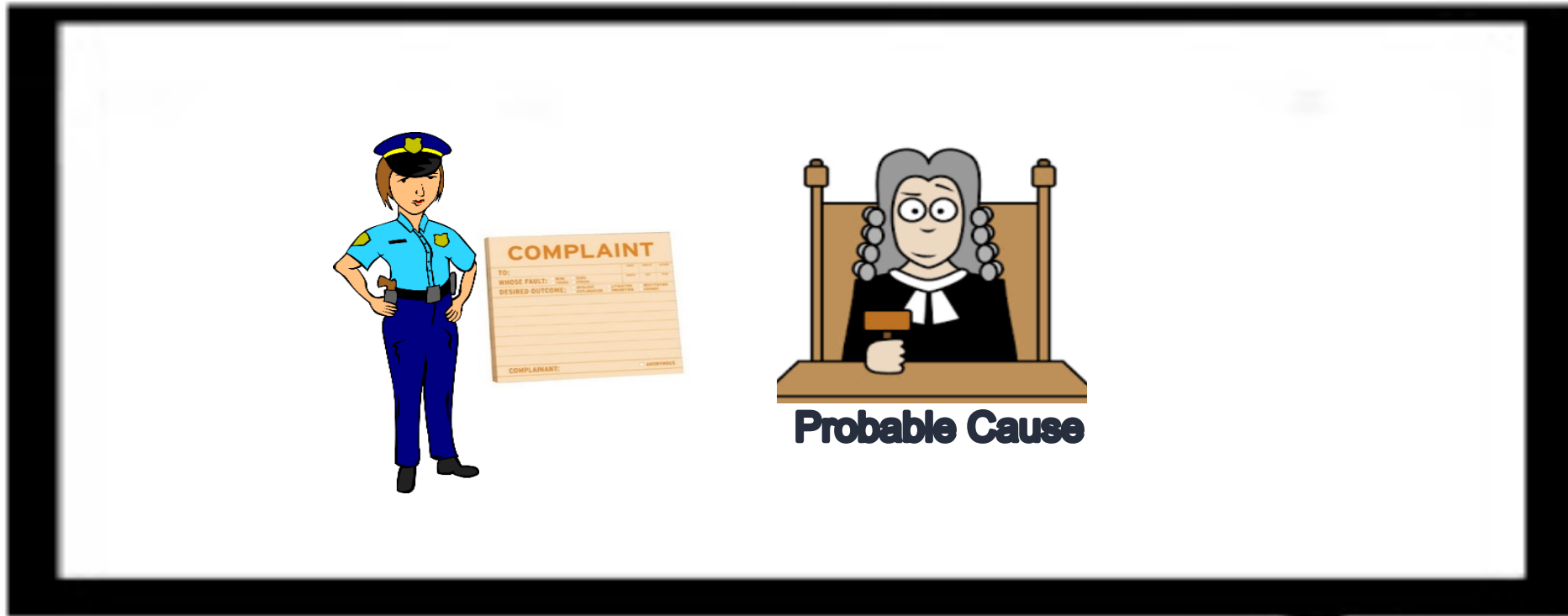
Officer Olivia Locates Burglar Ben and Arrest Him



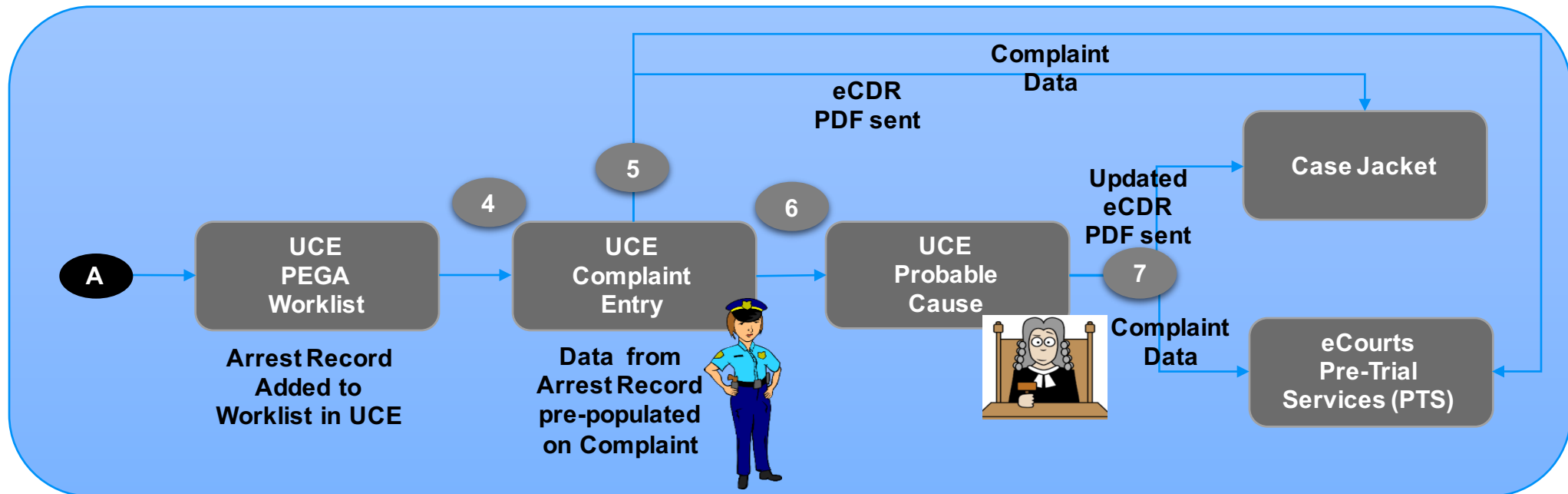
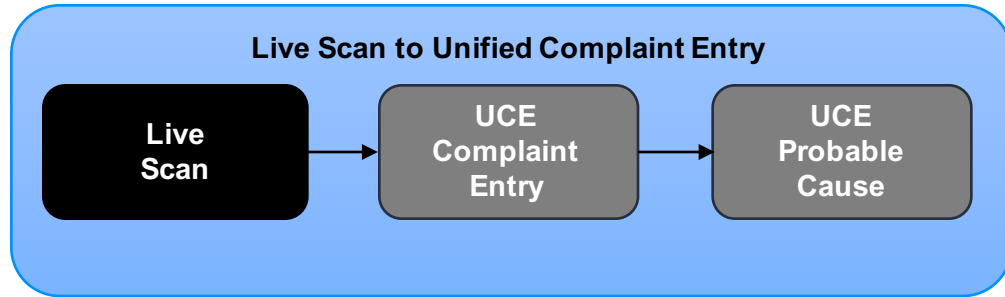
Live Scan to Unified Complaint Entry – Part 1



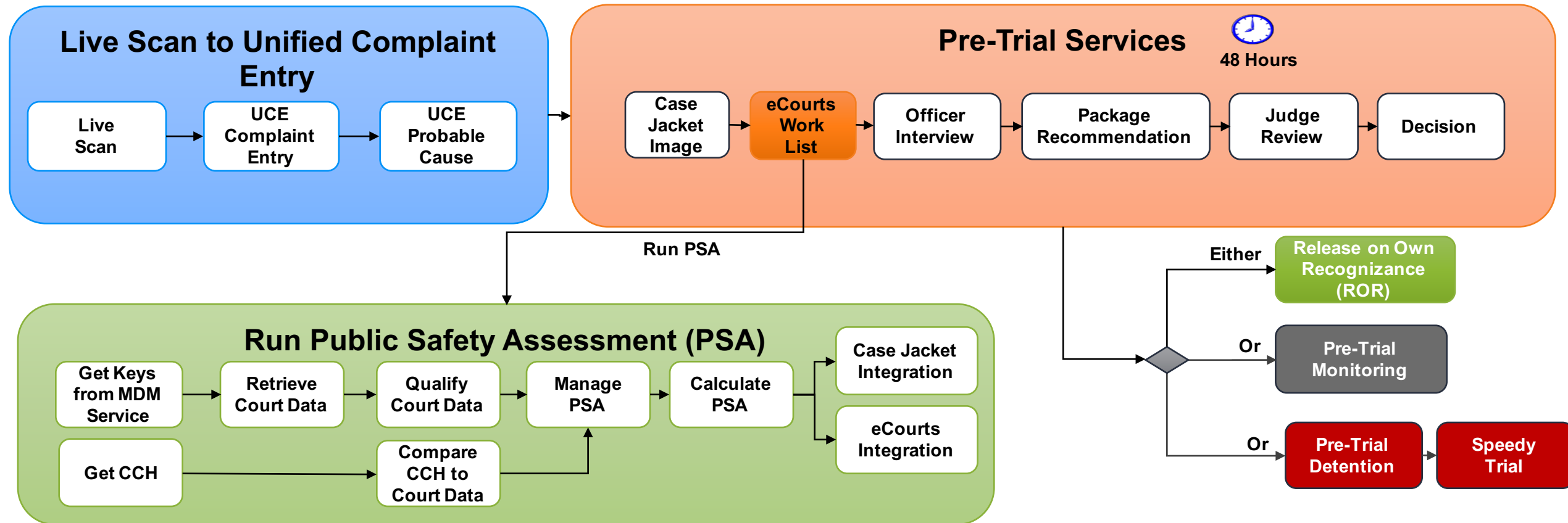
Judge Jane Determines Probable Cause on Officer Olivia's Complaint



Live Scan to Unified Complaint Entry – Part 2



Bail Reform Workflow



Staffer Stephanie Runs the Public Safety Assessment (PSA) on Burglar Ben

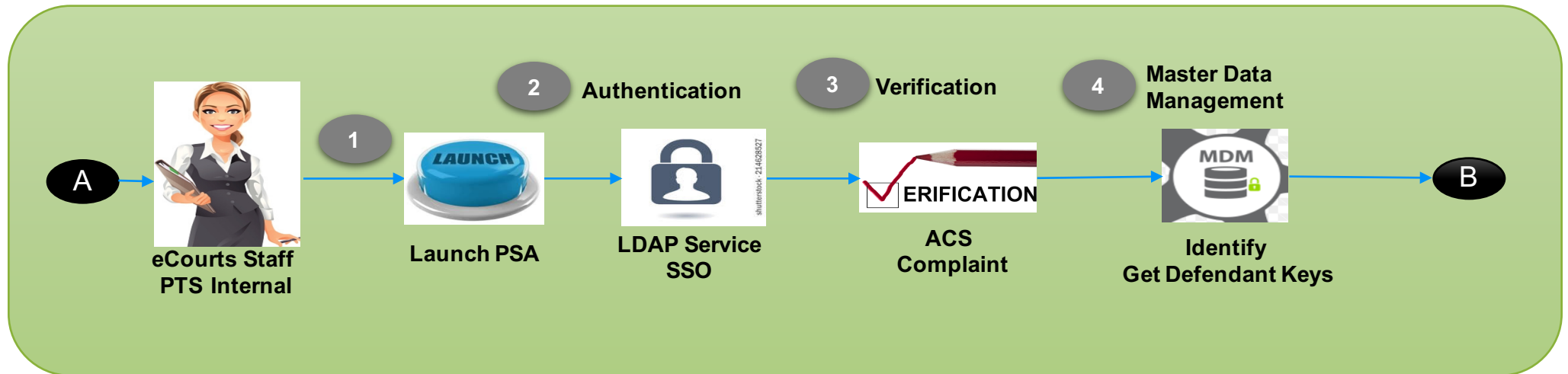
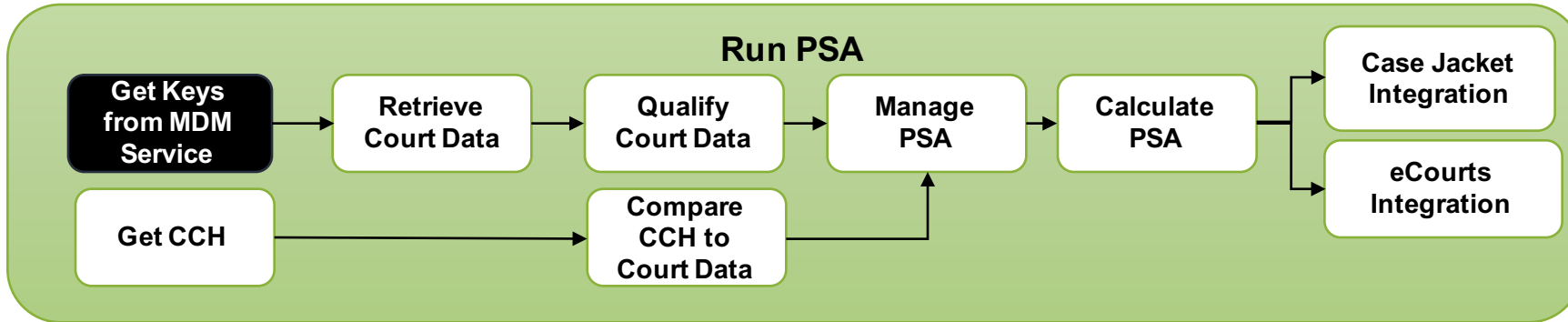


Risk Questions for PSA Algorithm

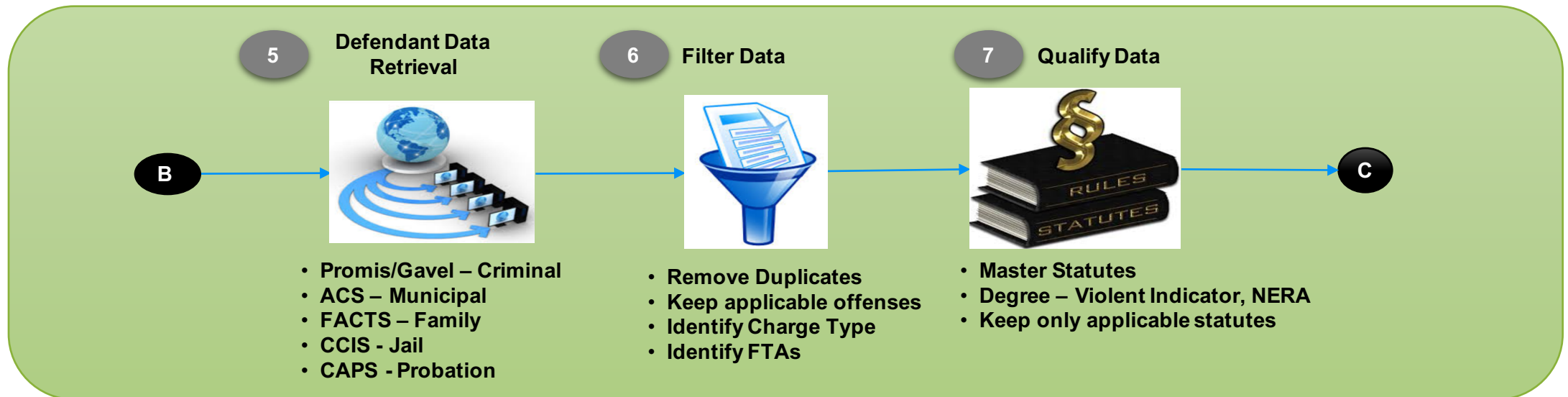
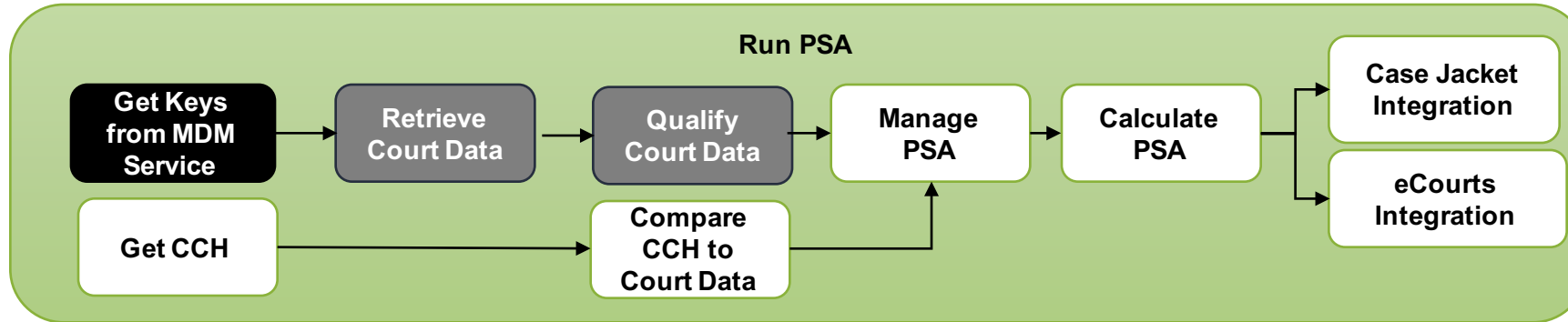
Risk Factors	Description	Response
1	Age at Current Arrest:	
2	Current Violent Offense:	
2a	Current Violent Offense and 20 Years Old or Younger:	
3	Pending Charge at the Time of Offense:	
4	Prior Disorderly Persons (DP) Conviction:	
5	Prior Indictable Conviction:	
5a	Prior Conviction:	
6	Prior Violent Conviction:	
7	Prior Failure to Appear in Past 2 Years:	
8	Prior Failure to Appear Older Than 2 Years	
9	Prior Sentence to Incarceration:	

PSA

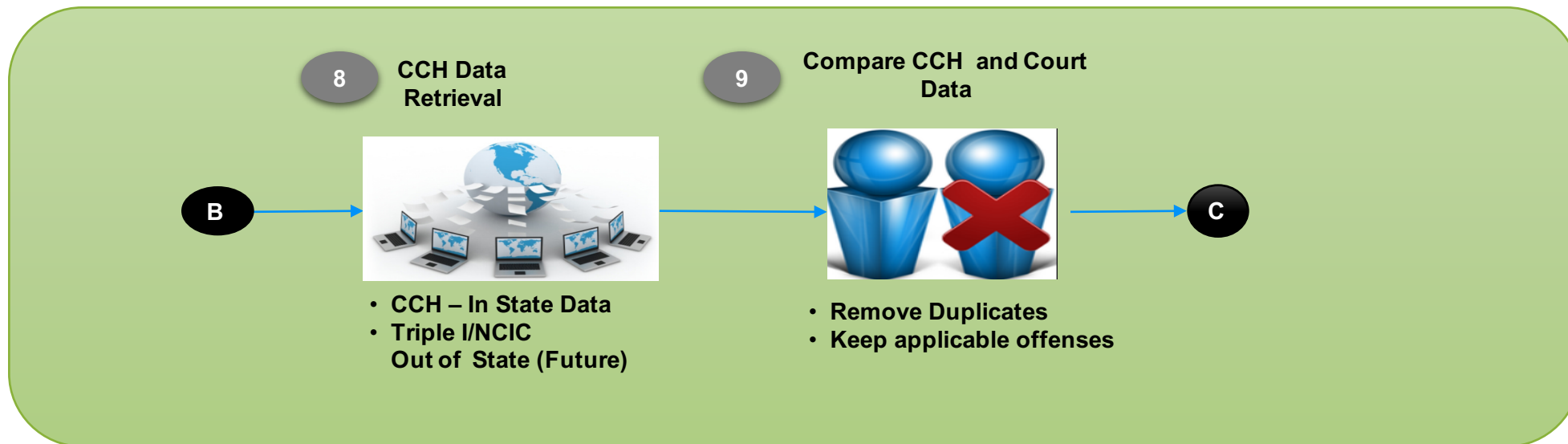
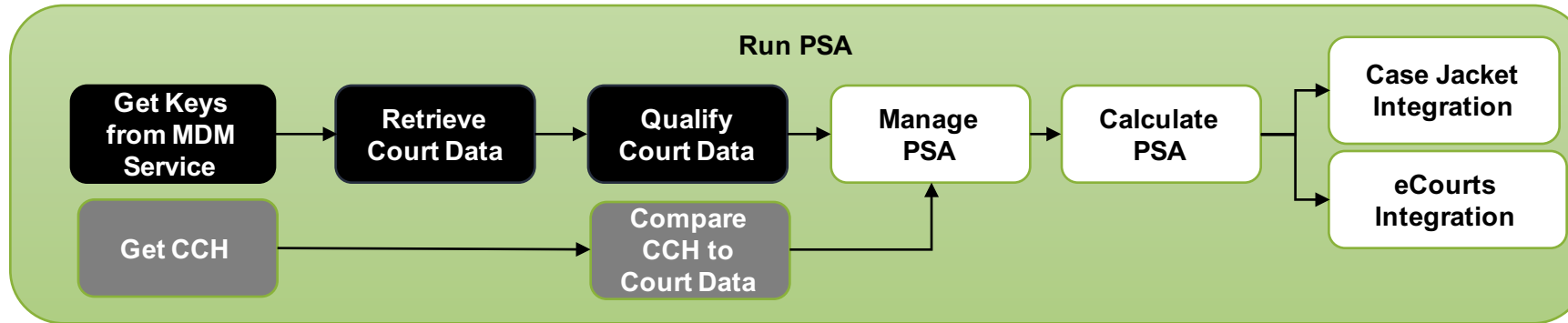
Initiate, Authentication & Defendant Identification Activity



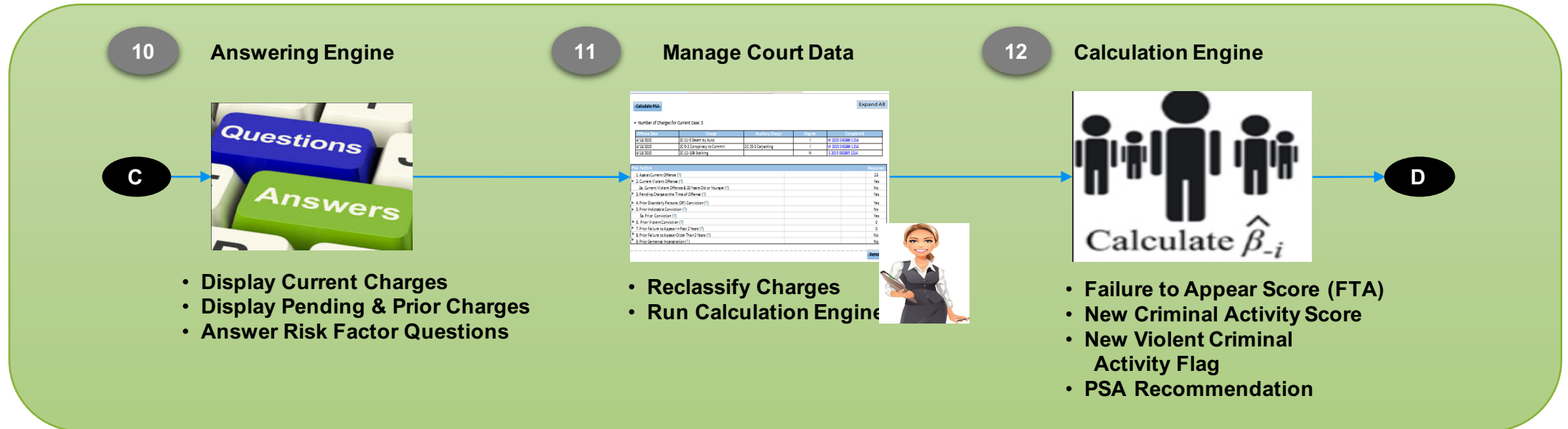
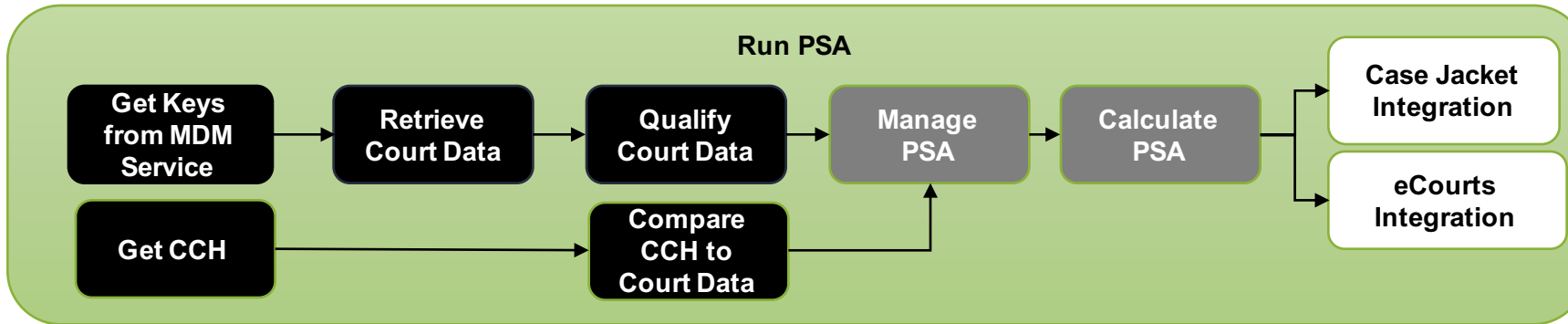
PSA Retrieve, Filter & Qualify Court Data Activity in Pega BRE



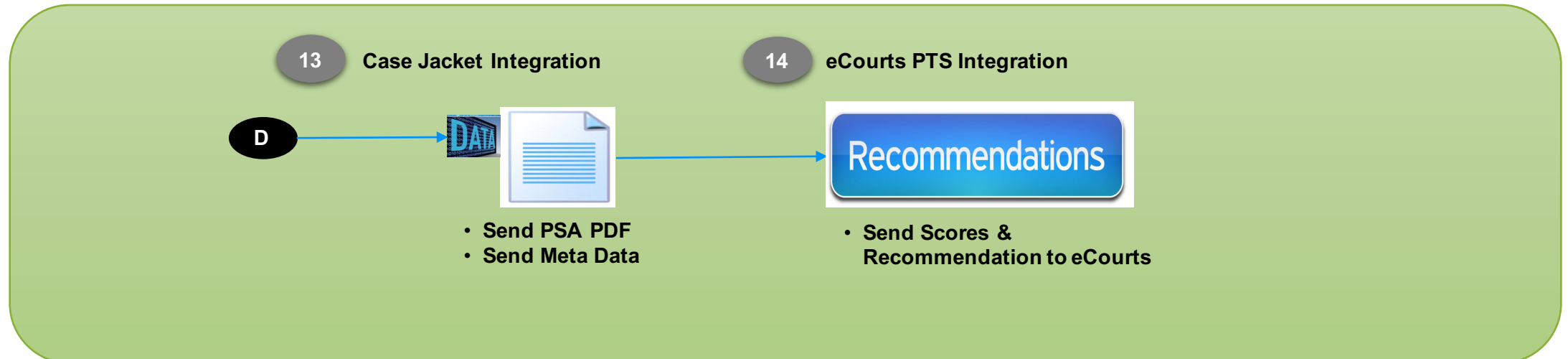
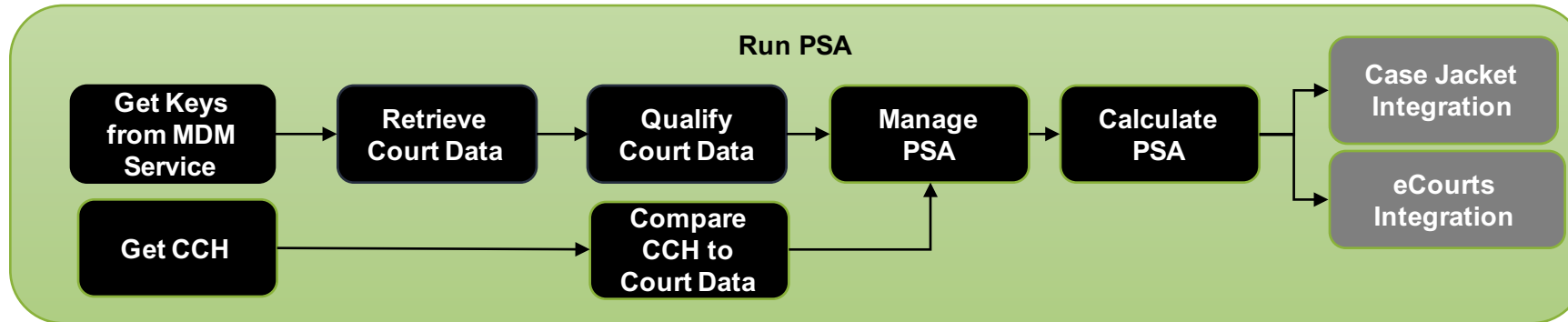
PSA Retrieves CCH and Compare to Court Data



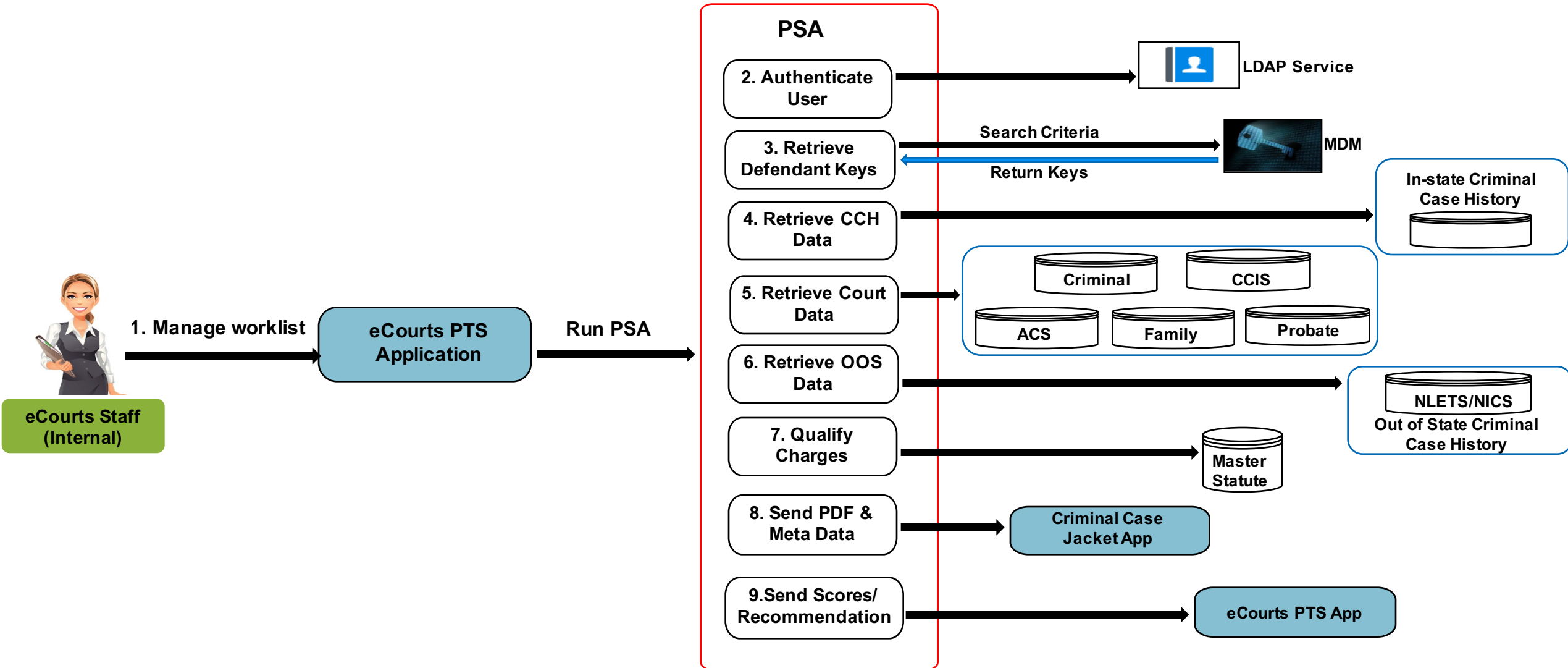
PSA Answering & Calculation Engines



PSA Integration with Case Jacket and eCourts



Public Safety Assessment Solution Architecture



Judge Jane Orders Burglar Ben's Release with Conditions



Risk Factors

Risk Factors	Description	Response
1	Age at Current Arrest:	35
2	Current Violent Offense:	No
2a	Current Violent Offense and 20 Years Old or Younger:	No
3	Pending Charge at the Time of Offense:	No
4	Prior Disorderly Persons (DP) Conviction:	No
5	Prior Indictable Conviction:	Yes
5a	Prior Conviction:	Yes
6	Prior Violent Conviction:	1
7	Prior Failure to Appear in Past 2 Years:	0
8	Prior Failure to Appear Older Than 2 Years	Yes
9	Prior Sentence to Incarceration:	Yes

Example: Release Not Recommended

Public Safety Assessment

Close

✓ Public Safety Assessment Successfully Completed

Defendant: BURGLAR BEN

DOB: 01/01/1997

SBI #: 149682C

Recommendation: RELEASE NOT RECOMMENDED OR IF RELEASED, MAXIMUM CONDITIONS

FTA Scale: 1  6

NVCA Flag: Elevated Risk Of Violence



NCA Scale: 1  6

Last Run Date: 05/04/2016 10:52 AM

[View PSA PDF](#)



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Example: Release with Conditions

Public Safety Assessment

Close

✓ Public Safety Assessment Successfully Completed

Defendant: BURGLAR BEN

DOB: 01/02/1988

SBI #: 781832C

Recommendation: RELEASE WITH CONDITIONS - LEVEL II

FTA Scale: 1 6

NVCA Flag: No

NCA Scale: 1 6

Last Run Date: 05/04/2016 10:57 AM [View PSA PDF](#)



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Example: Release on Own Recognizance (ROR)

Public Safety Assessment Close

✓ Public Safety Assessment Successfully Completed

Defendant: BURGLAR BEN	DOB: 01/02/1980	SBI #: 401549C
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Recommendation: ROR


FTA Scale: 1 6

NCA Scale: 1 6

NVCA Flag: No

Last Run Date: 05/04/2016 11:03 AM [View PSA PDF](#)

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Risk Factor Questions 1 – 4

1. Age at Current Arrest : 46
2. Current Violent Offense : No
 - 2a. Current Violent Offense and 20 Years Old or Younger : No
3. Pending Charge at the Time of Offense : Yes

Case ID	Next Court Date	Offense Date	Charge	Aux Charge	Degree	State
W 2010 000005 0113	11/09/2012	02/01/2010	2C:33-2.1B PROWLING PUBLIC PLACES - CDS RELATED		N	
FO-ATL-000009-10		09/02/2009	2C:12-1B(1) AGGRAVATED ASSAULT- ATTEMPT/CAUSE SBI PURP/KNOW/RECKLESS		2	
S 2008 000136 0113	11/09/2012	04/15/2008	2A:23-4		4	

4. Prior Disorderly Persons (DP) Conviction : No
No Results Found

Risk Factor Questions 5 – 6

5. Prior Indictable Conviction : Yes

Case ID	Disposition Date	Offense Date	Charge	Aux Charge	Degree	State
S 2013 000015 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	
S 2013 000018 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	
S 2013 000016 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	

5a. Prior Conviction : Yes

6. Prior Violent Conviction : 3 or More

Case ID	Disposition Date	Offense Date	Charge	Aux Charge	Degree	State
S 2013 000015 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	
S 2013 000018 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	
S 2013 000016 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	
S 2013 000022 0102	03/02/2016	07/05/2013	2C:11-4A(2)		1	
W 2012 000004 0901	03/07/2016	02/06/2012	2C:12-1B(4) AGGRAVATED ASSAULT - POINTING A FIREARM		4	

Risk Factor Questions 7 – 9

7. Prior Failure to Appear in Past 2 Years : 2 or More

Case ID	FTA / Warrant Date	Offense Date
S 2014 000164 0805	03/03/2016	12/19/2012
S 2008 052101 0408	05/23/2014	01/01/1985

8. Prior Failure to Appear Older Than 2 Years : Yes

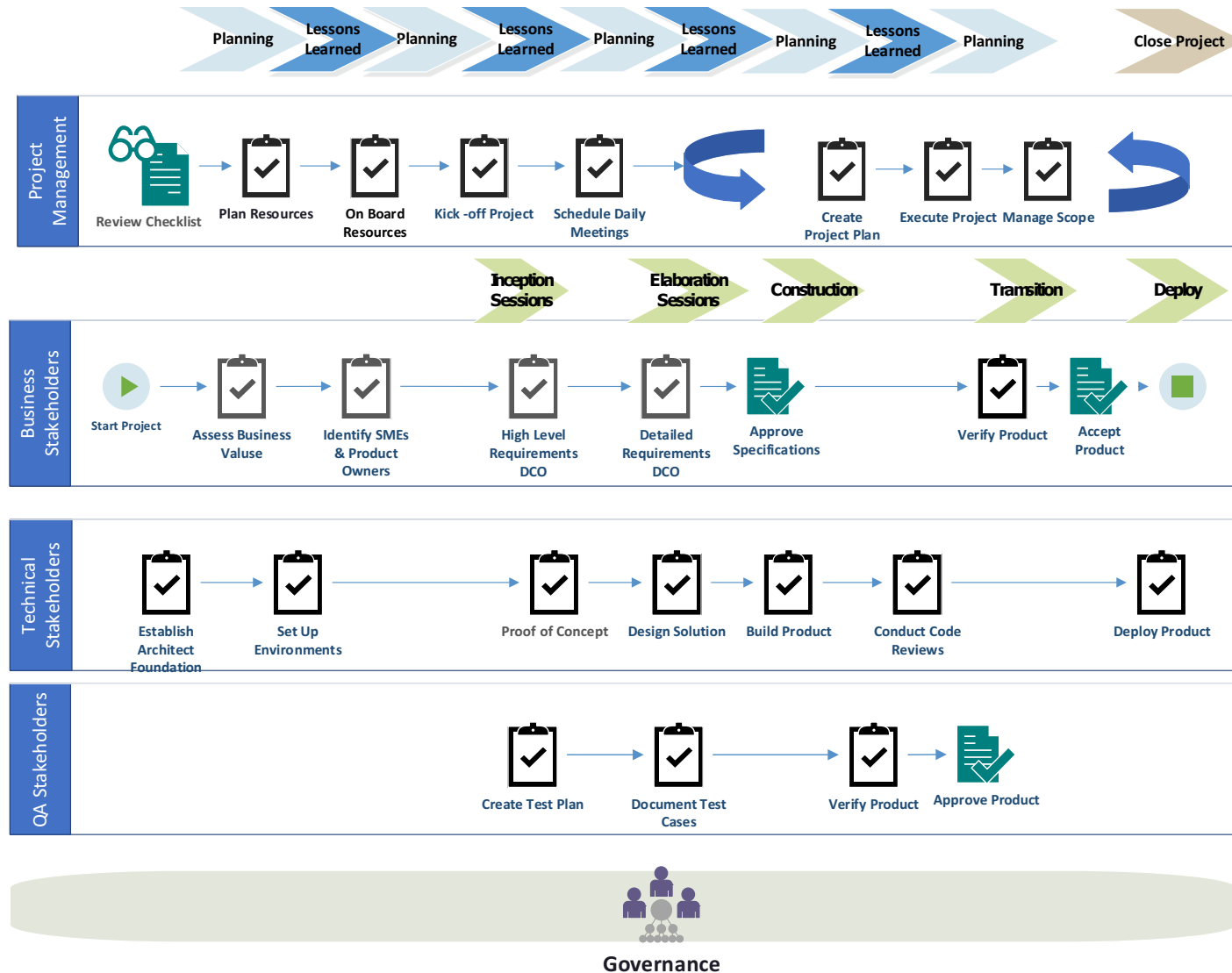
Case ID	FTA / Warrant Date	Offense Date
S 2007 000024 0113	11/28/2007	11/28/2007
S 2007 000023 0113	11/15/2007	11/15/2007
S 2007 000017 0113	11/01/2007	11/01/2007
S 2007 000017 0113	11/09/2012	11/01/2007

9. Prior Sentence to Incarceration : Yes

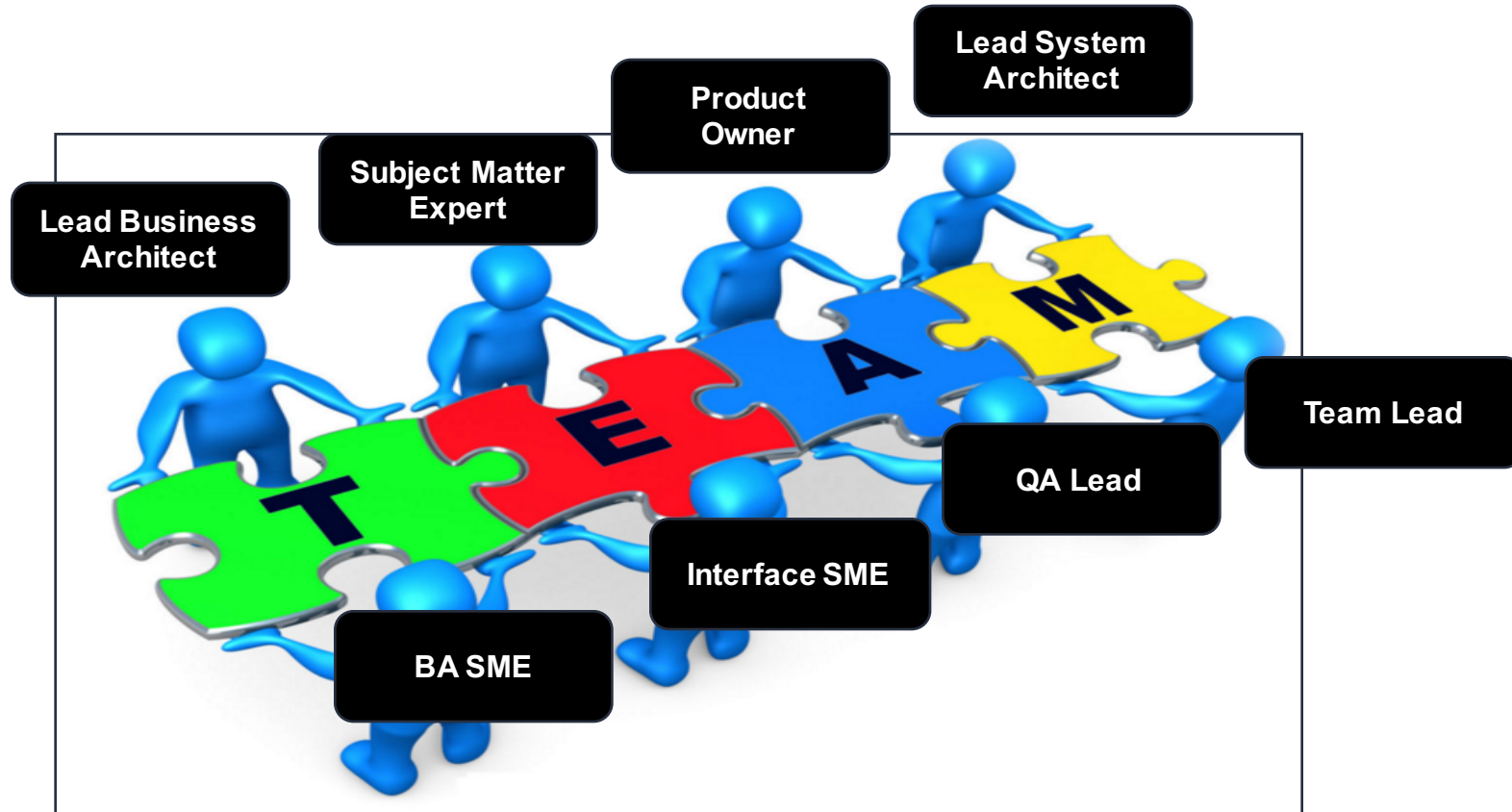
Case ID	Sentence Date	Incarceration Length			Charge	Aux Charge	Degree	State
		Years	Months	Days				
S 2013 000015 0102	03/02/2016	000Y	00M	030D	2C:11-4A(2)		1	
S 2013 000018 0102	03/02/2016	000Y	06M	000D	2C:11-4A(2)		1	
S 2013 000016 0102	03/02/2016	001Y	00M	000D	2C:11-4A(2)		1	

ADOPTED PROJECT METHODOLOGY

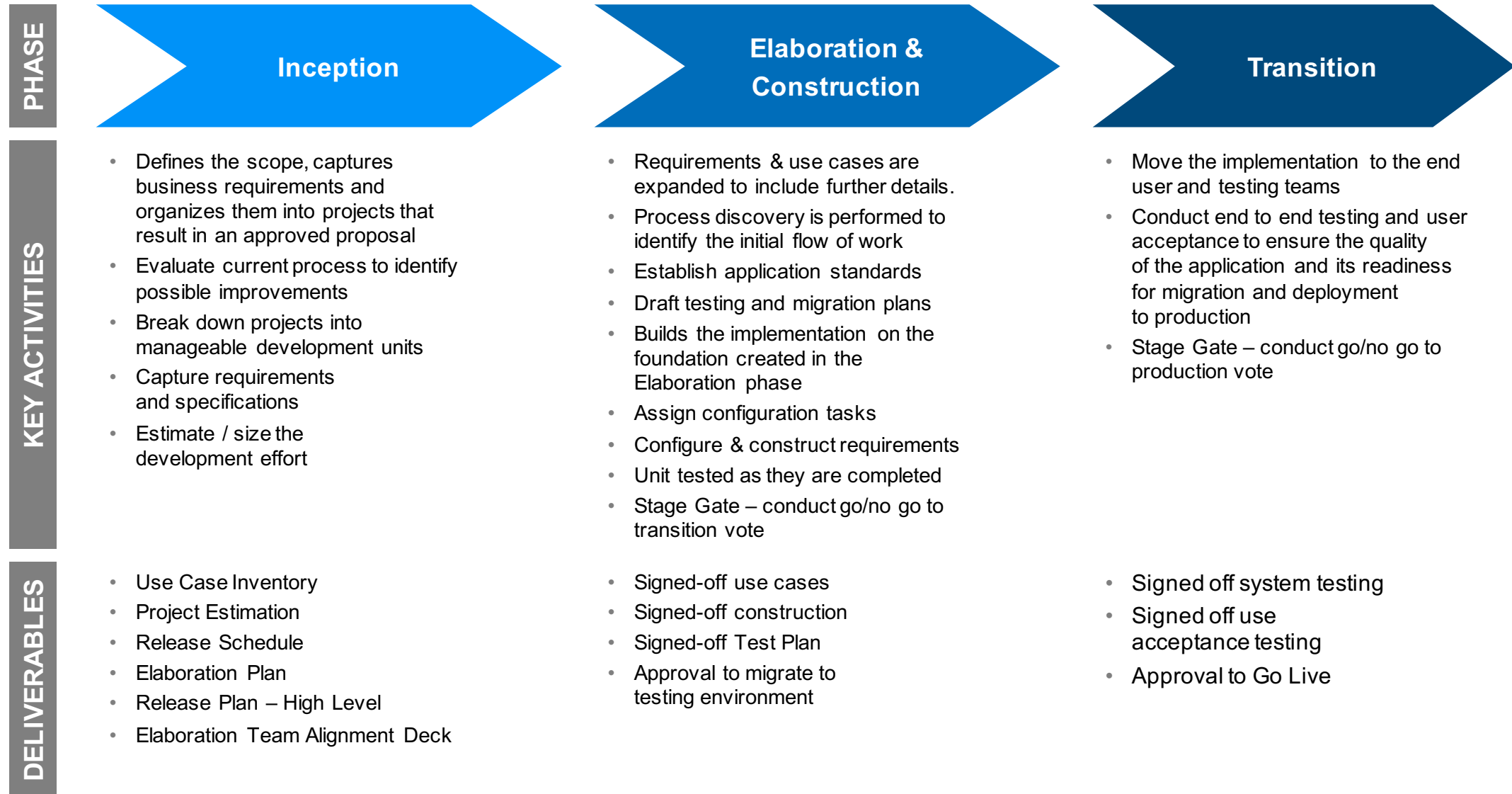
Adopted Project Methodology – Agile



DCO Session Participant Roles



Project Key Activities



Lessons Learned

Project Management

- ✓ Developed a release plan that led to building key features of the applications early while allowing time for the key integration dependencies to be ready for implementation
- ✓ Empowered decision makers attending sessions which resulted in securing approval on core features on time to commence construction
- ✓ Adopted the Pega BPM Agile Methodology that contributed to accelerating the requirements and development
- ✓ Conducting team alignment workshops prior to commencing inception and elaboration proved to be successful in the setting of expectations with business stakeholders that were unfamiliar with the methodology and approach to implementation

Requirements Analysis

- ✓ Directly captured the requirements and use cases in the PRPC product that allowed for better team collaboration with business, technical and testing stakeholders.
- ✓ Prepped 80% of use cases were prepped in advance of the DCO sessions to allow for more use cases to be reviewed in each session

Design & Development

- ✓ Developed a Prototype of the application that assisted in securing early feedback from the business stakeholders prior to commencing construction

Transition

- ✓ Having QA stakeholders in the DCO sessions assisted with catching critical requirement defects early

Recommendations

- The Power of Yes
- Toy Story
- Hoover Dam
- NY Times

THANK YOU!

APPENDIX

Modeling Criminal Justice Reform New Jersey

Modeling Criminal Justice Reform – Key Stakeholders



**Criminal Bail
Reform Committee:
Judiciary
Committees**

**Reviews Requests
from Judiciary
Committees**



**Business
Stakeholders:
ATCSU - Internal
& Arnold
Foundation -
External**

**Validate Requests
and Design
Business
Requirements**



**Implement
Automated
Software Solution
to meet Business
Objectives**



=

Automation