



Freedom of Information Act Publication Scheme	
Protective Marking	Not protectively marked
Publication Scheme Y/N	Y
Title	Application & PAG Data Model
Version	v.1
Summary	<p>By 2014/15 the MPS needs to reduce spending by £600m, compared to 2010/11. To assist in delivering this reduction a number of change programmes are underway focusing on reducing inanimate costs.</p> <p>The Strategic Cloud programme is looking to deliver a next generation cloud based replacement for current legacy MPS applications, focussing particularly on the high volume front end operational policing systems.</p>
(B)OCU or Unit, Directorate	Directorate Of Information
Review Date	31/03/2012
Date Issued	28/10/2011

This presentation is:
Not Protectively Marked

Suitable for an audience with:
No Vetting



**METROPOLITAN
POLICE**

Working together for a safer London

Directorate of Information



NOT PROTECTIVELY MARKED

Strategic Cloud Market Engagement Workshops

Application Development and the Police Activity Glossary (PAG)

Steve Hursell

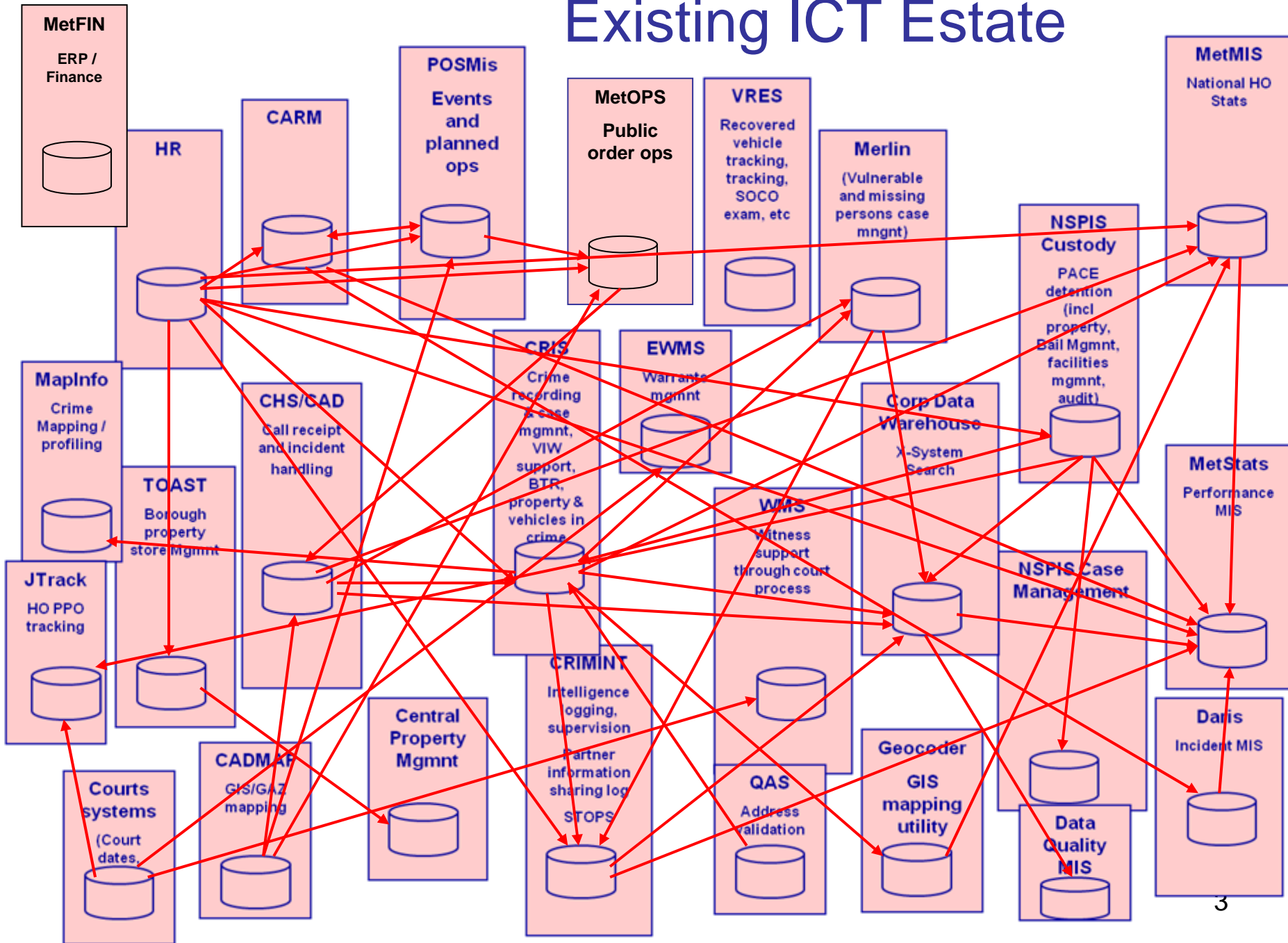


Working together for a safer London

Directorate of Information



Existing ICT Estate



Strategic Cloud – Main requirements around application development

Decrease Complexity



Currently over 600 systems throughout the MPS and innumerable point-to-point interfaces. Substantial cost savings could be made from simplifying this environment

Offer improved User Experience



Multiple different applications, both COTS and bespoke, which offer no consistency in usability, either in terms of UA or semantics.

Enhance application support of knowledge work



Due to the unpredictable nature of policing business processes, users currently need to access multiple different process-driven siloed, applications with different log-ins, in order to carry out their basic tasks. This is inefficient.

Eliminate duplication of data and improve data quality



Information is currently duplicated across different applications throughout the estate, and is subject to consistency and integrity errors. Front end validation of data at time of capture is minimal.

Provide Agility and Flexibility



The complexity of the environment in the current state ensures that applications are inflexible and expensive and time-consuming to change and adapt to new conditions in the business.

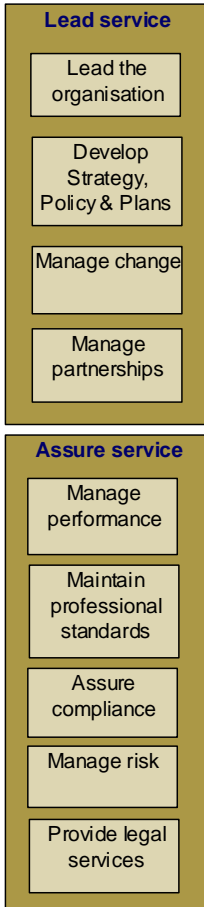
Improve Mobile Deployment



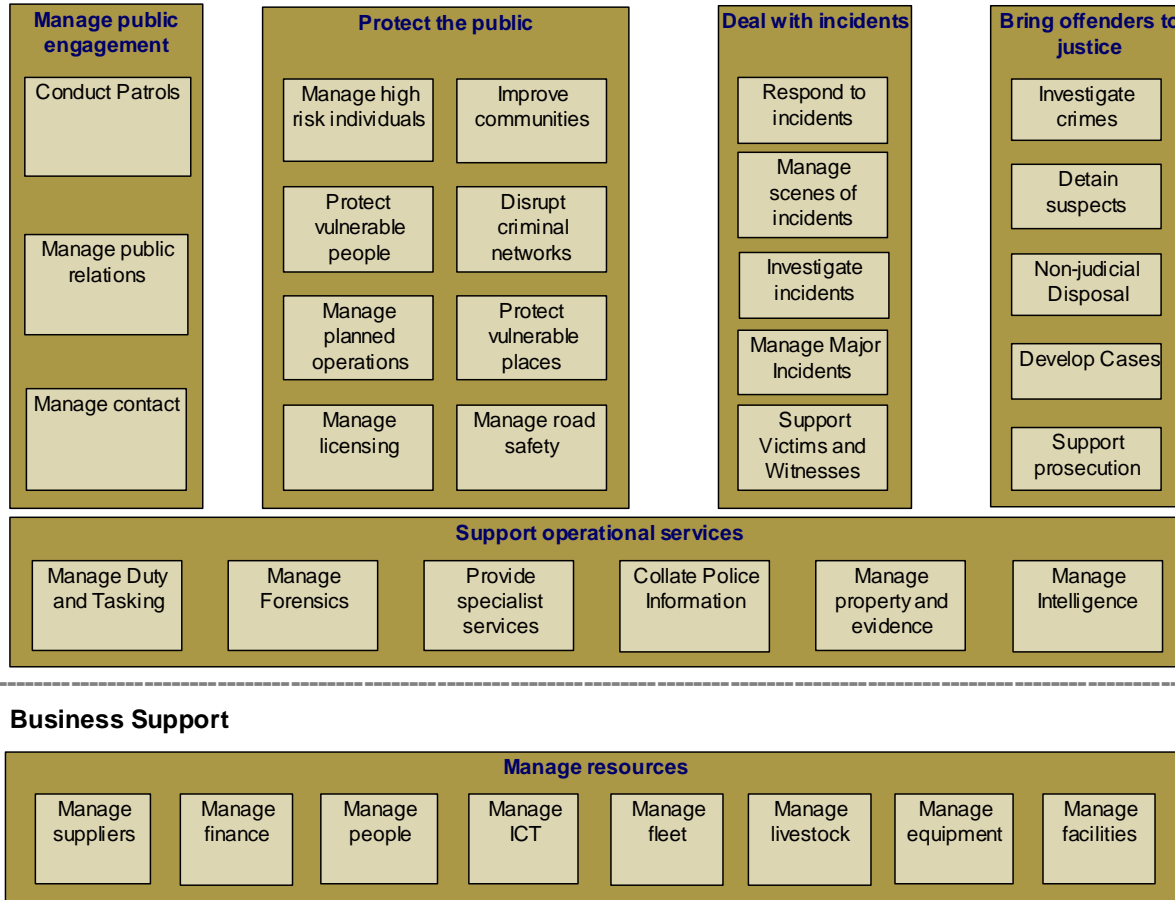
Too few applications are currently deployed to front line officers via mobile devices, and of those that are, all are limited to a single model of mobile device.

PAG defines sets of Policing activities

Manage the Organisation



Operational Policing



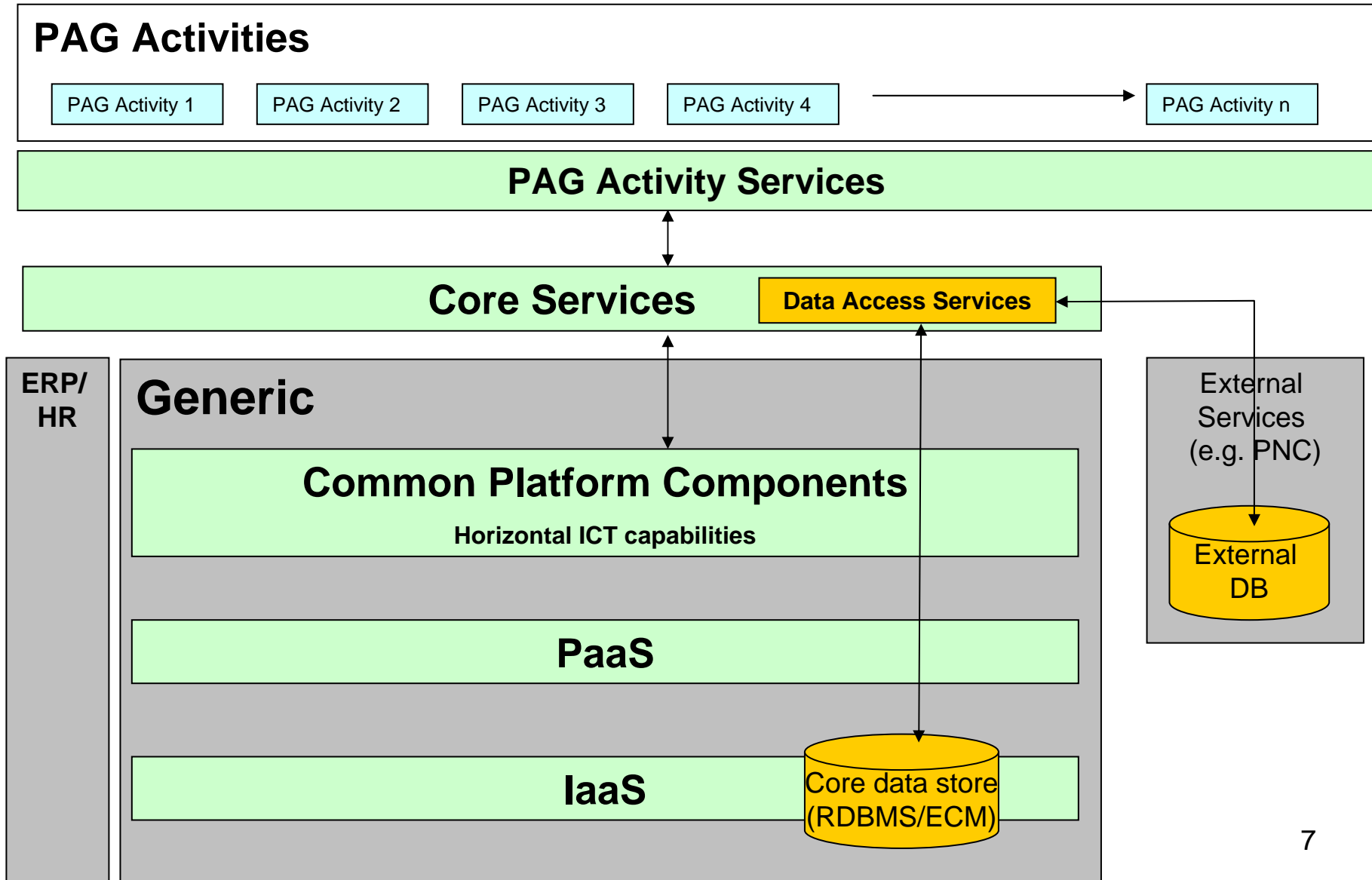
Information Object Definition

"... a logical representation of the Information that workers capture in undertaking activities in the MPS, framed in terms that are familiar to the business area concerned".

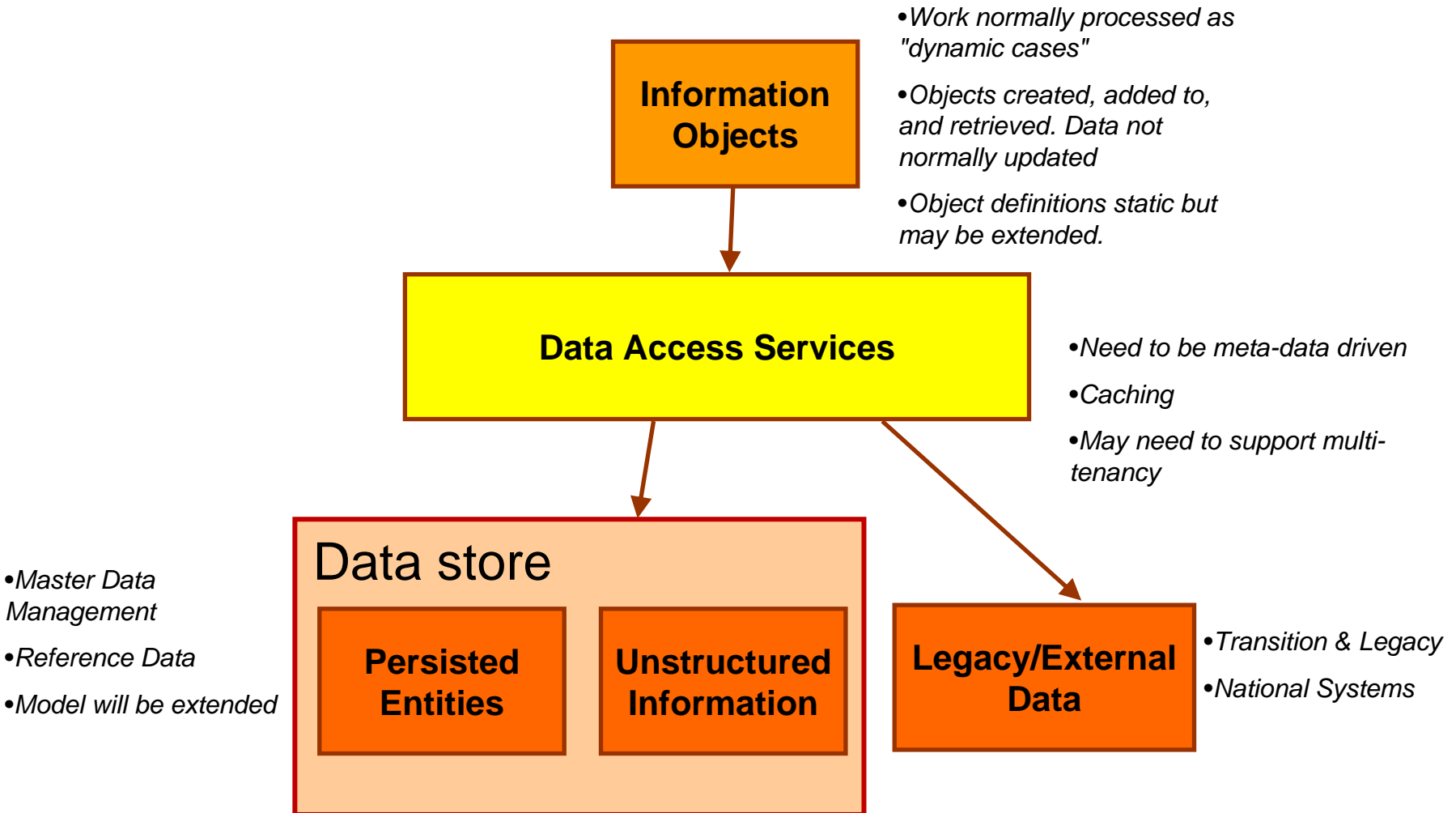
- Represent "real world" methods of capturing data (eg. Witness Statement, Custody Record etc).
- Carry standard metadata elements which describes the provenance of the data (eg, date created, GPMS, Author, "State" etc)
- Attributes describe the Information Object in detail. Information Object data is persisted in a single logical data store.

Applications consume and present Information Objects residing in the Data Services layer, to provide efficient and flexible data entry and processing, in a manner that is familiar to the business, and closely resembles the "real world" activities that they undertake and understand.

Cloud Architecture Model



Accessing a single Operational Policing Database



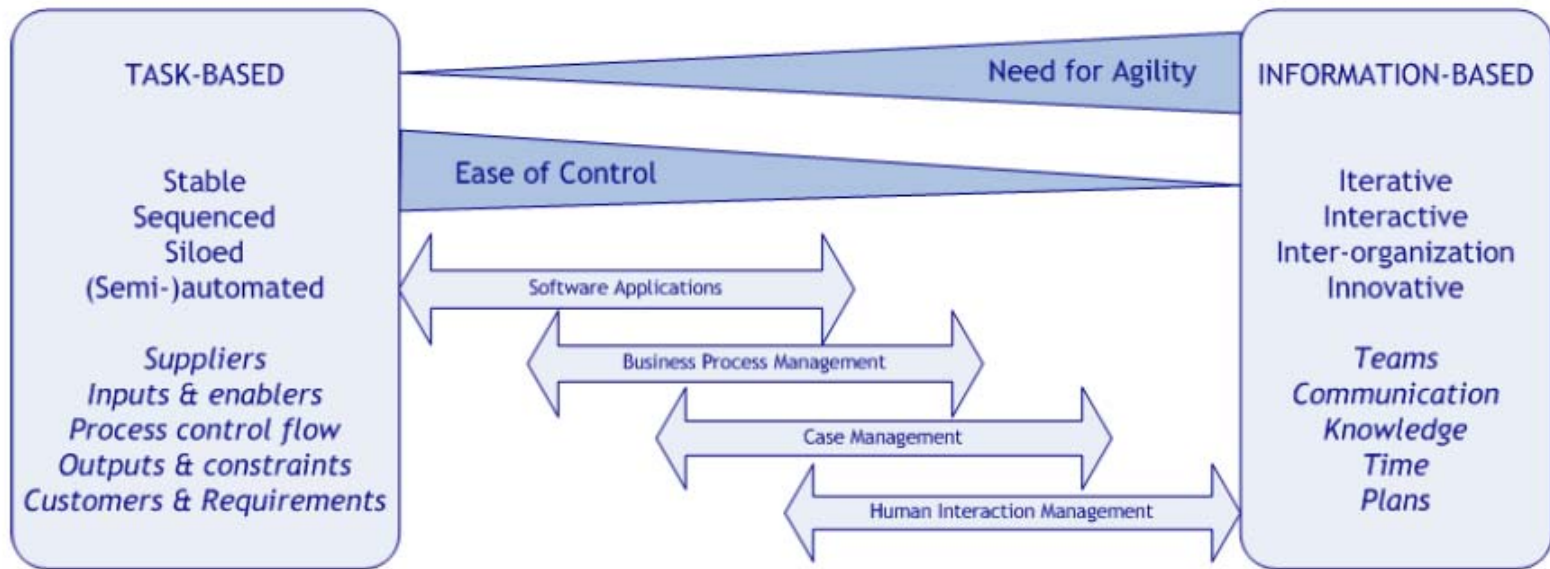
**METROPOLITAN
POLICE**

Working together for a safer London

Directorate of Information



Policing processes are unpredictable



Source: www.bptrends.com



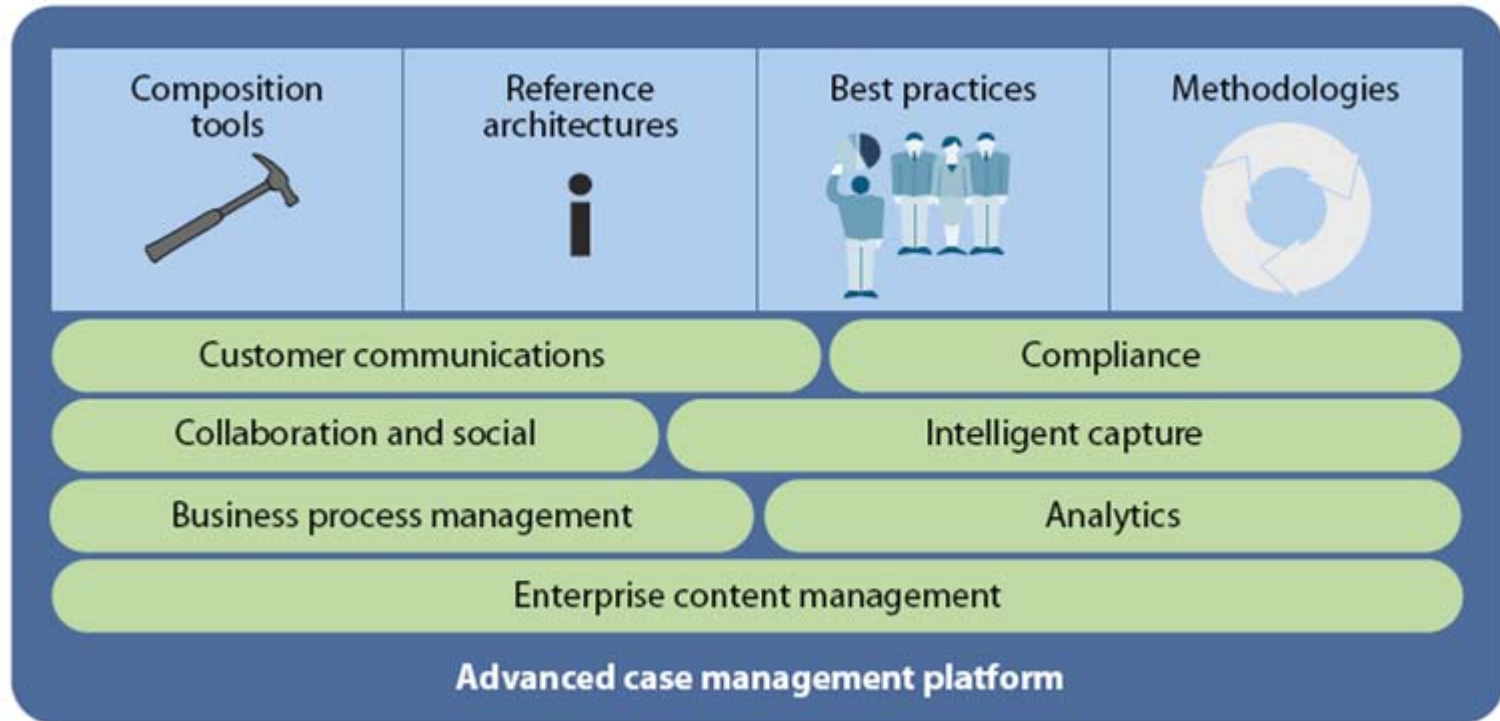
**METROPOLITAN
POLICE**

Working together for a safer London

Directorate of Information



Platform for Adaptive Case Management



55755

Source: Forrester Research, Inc.



**METROPOLITAN
POLICE**

Working together for a safer London

Directorate of Information



Strategic Cloud – Scope of Application Development

The Strategic Cloud initiative will seek replacements for all of the current MPS Operational Systems that support the Police Activity Glossary, with the following exceptions:

- **Command and Control**

- Respond to Incidents etc

- **ERP**

- Manage People, Manage Finance etc...

Summary objectives

The introduction of a suite of applications to support activities described in the PAG, contributing to the following key objectives:

- Reduce costs
- Improve data quality and access
- Agile support for new requirements
- Enabling knowledge work through utilisation of Adaptive Case Management functionality

This presentation is:
Not Protectively Marked

Suitable for an audience with:
No Vetting



**METROPOLITAN
POLICE**

Working together for a safer London

Directorate of Information



NOT PROTECTIVELY MARKED

Strategic Cloud Market Engagement Workshops

Introduction to the PAG Slither and work to date

Steve Hursell



**METROPOLITAN
POLICE**

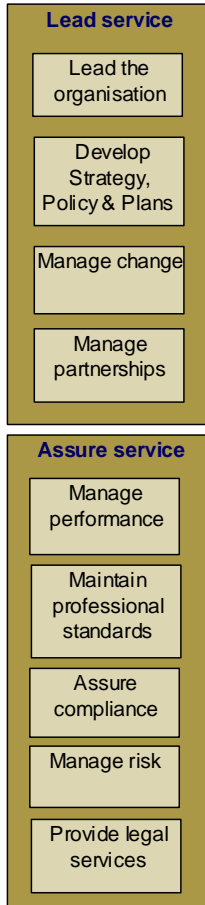
Working together for a safer London

Directorate of Information

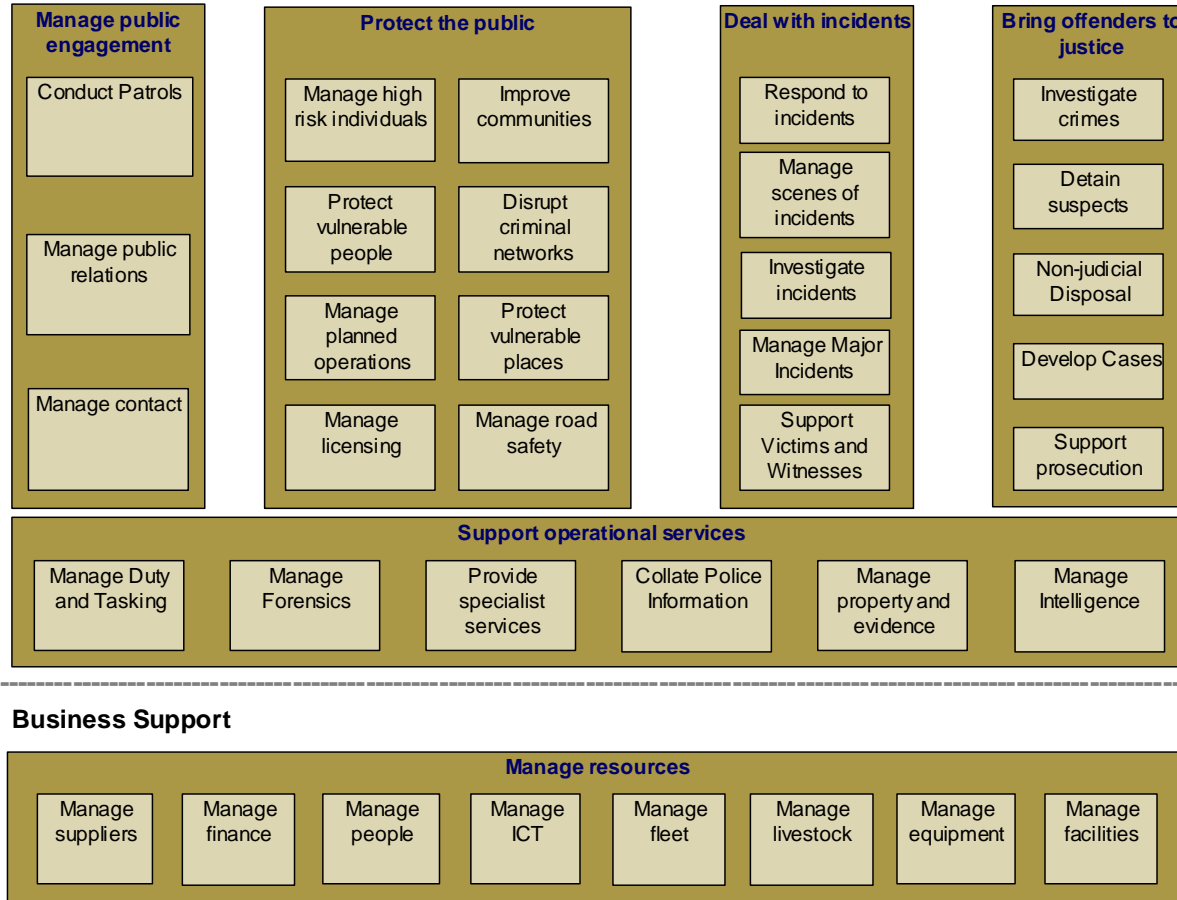


PAG defines sets of Policing activities

Manage the Organisation

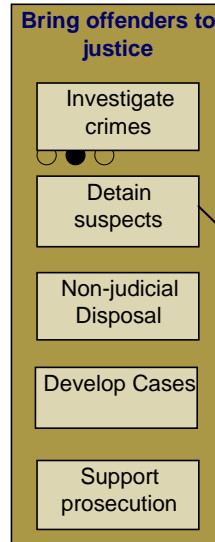


Operational Policing



PAG Decomposition

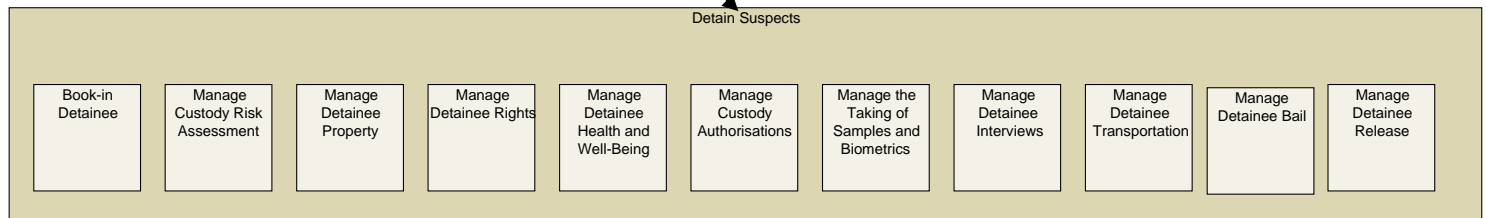
PAG Level 2



Additional definition helps to:

- Define the scope of individual PAG Level 2 Elements
- Provide clarity into the types of tasks that are supported by Information Objects in the business area concerned

Decomposition



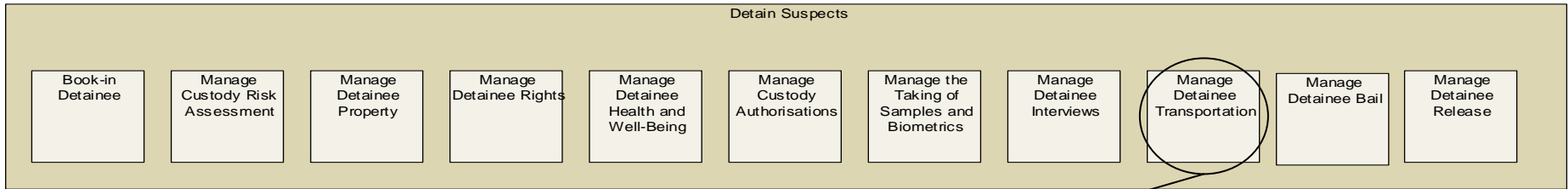
**METROPOLITAN
POLICE**

Working together for a safer London

Directorate of Information



Information Object development



Detainee Escort Request Record	Schedule Date
	Originating Force
	Originating Station
	Custody Number
	Detainee Surname
	Detainee Initials
	Detainee Gender
	Detainee Adult/Juvenile
	Detainee Date of Birth
	Destination
	Not For Release
	Detainee Ethnicity
	Detainee Violent Risk
	Detainee Suicidal Risk
	Detainee Escape Risk
	Detainee Medical Risk
Detainee Segregation Required	
Escort Free Text	

- Each decomposed PAG activity can be supported by many Information Objects
- Information Objects are familiar to the business, and are semantically framed in everyday terms
- Attributes capture the Information necessary to carry out a particular task or function. The Information Object is logical and does not prescribe format or technology

Instantiation of Information Object

RESTRICTED

Form 2282



Working together for a safer London

Page 1 of 1



Bringing service to life
Telephone: 0800 781 8153

SERCO PRISONER COLLECTION FORM

From:

Name: Peter Gillard

Police Station: Stoke Newington Contact Number: 020 7555 1212 Date: 11/10/2011

SURNAME	INITS	AKA	M/F	DOB	Ad/ Juv	COURT	DLN	LISTED TIME	NFR	ETH CODE	CO- DE F	RISKS
HARDCASTLE	W		M	03/06/1957	Ad	Wood Green Crown Court		10:30	Y	W	Y	DRU
Co-defendants: Hardcastle G Risk factors: DRU - User.												

Retention period: none
MF 12/07

[Add prisoner](#)

[To e-mail click here](#)

This form to be e-mailed to Serco by 4 am daily. If e-mail is unavailable, please fax to Banbury at 01295 701051.
Any prisoners for collection after this time should be notified to Premier by separate e-mail as soon as possible.

NB General Codes: CO-D = Joint Defendant NFR = Not For Release* Ethnicity Codes: W - White B - Black A - Asian M - Mixed O - Other
Risk Codes: VIO = Violent Prisoner SUI = Suicide Risk ESC = Escape MED = Medication SEG = Segregation D = Drugs CON = Contagious OTH = Other e.g. dietary needs
Please note, to assist in the safe custody and management of prisoners, all additional information is supplied in the 'Other Information' column.

*Under NFR please indicate whether the prisoner is NOT FOR RELEASE from prison or is required to be produced at another court under a separate warrant.



Working together for a safer London

Directorate of Information



Lessons Learnt

- The scope of different PAG activities is not currently clearly defined and may be open to interpretation in analysis – a coordinated approach to scope definition is required.
- Analysis of all areas of the PAG will be time-consuming and the MPS does not have the resources to fully define all artefacts in the timescales afforded. Chosen suppliers in the application development space will be required to work with the MPS in the analysis process to ensure that certain precursors to application development can be put in place. The MPS does not currently have documented Use Cases for its operational systems.
- All analysis undertaken, and artefacts created, will need to be fully validated and approved by the relevant Senior Responsible Officer in the business area of focus.