

eGov  
***SoJ Enterprise Data Sets***

***The People Directory  
Design Build Test (DBT) Project***

Draft

*This slide deck is part of pre-sourcing, soft market engagement and so all information is for discussion only.*

- ❑ eGov Enterprise Data Management Programme
  
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*'Enterprise Data Management' is a set of fundamental projects and activities within the eGov Programme.*

The eGov *Enterprise Data Management Programme* aims to deliver Data Management Services capabilities of planning for, controlling and delivering data and information assets.

The initial objectives are:

❑ **Data Governance and Framework**

Develop and implement a formal **Data Governance capability to exercise authority, control and shared decision making** (planning, monitoring and enforcement) over the management of enterprise data assets.

❑ **Enterprise data sets**

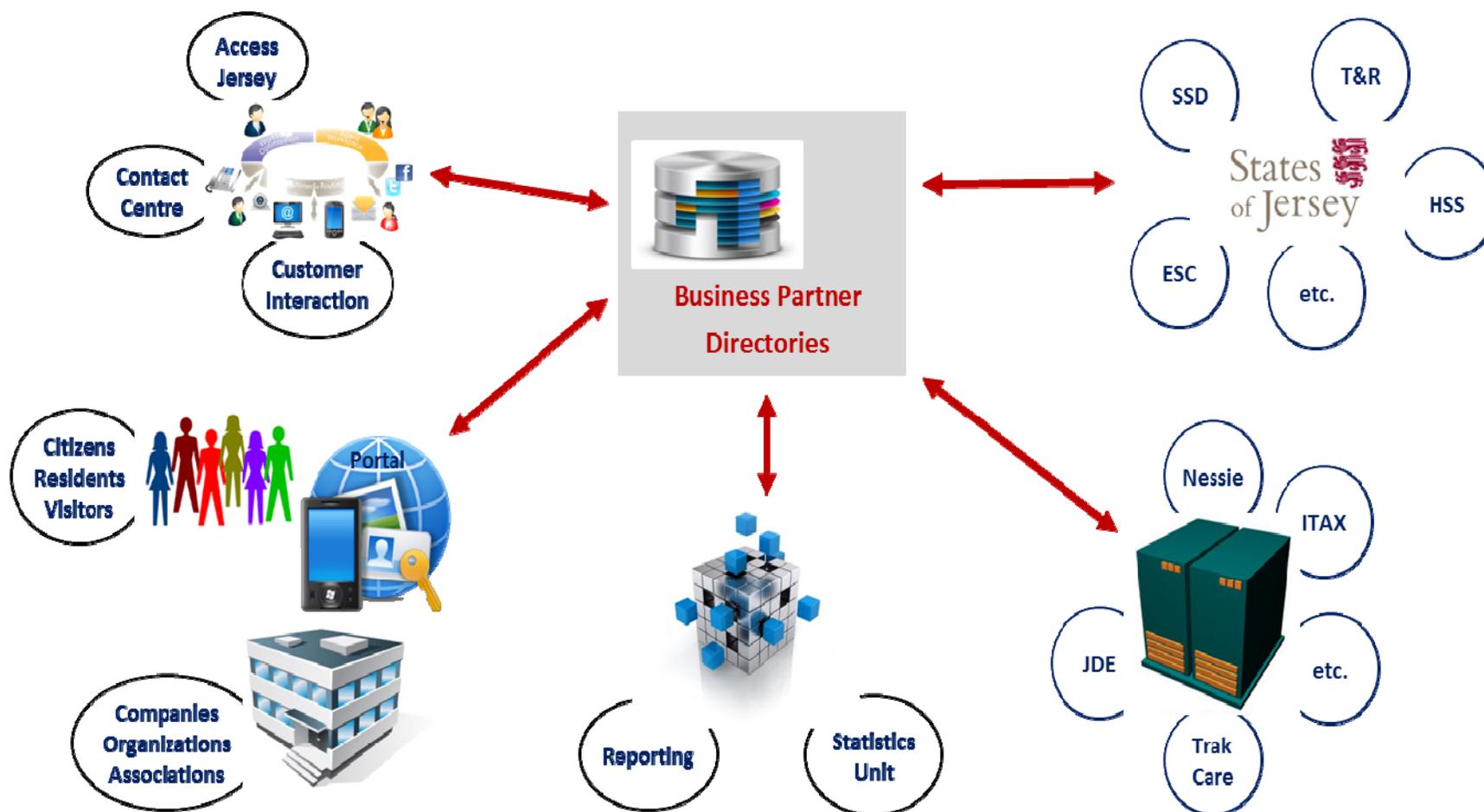
The delivery of eGov for the States of Jersey will change the way in which government departments service its customers (individuals, companies and organizations), giving way to a collective and consistent cross-departmental /enterprise view of our Business Partners.

To support this view there is a necessity for **an enterprise approach to the design, definition and management of our enterprise data** (data sets or data elements that are valid, shared and used across the enterprise).

❑ **Operations**

The **management of Enterprise Data** requires specific **business processes and operating models** that generally do not exist in an organization that is structured vertically (by department and functions). eGov will facilitate the definition and implementation of operational models for the management of Enterprise Data as well as the creation of an **Enterprise Data Maintenance capability** for the SoJ and its administrations.

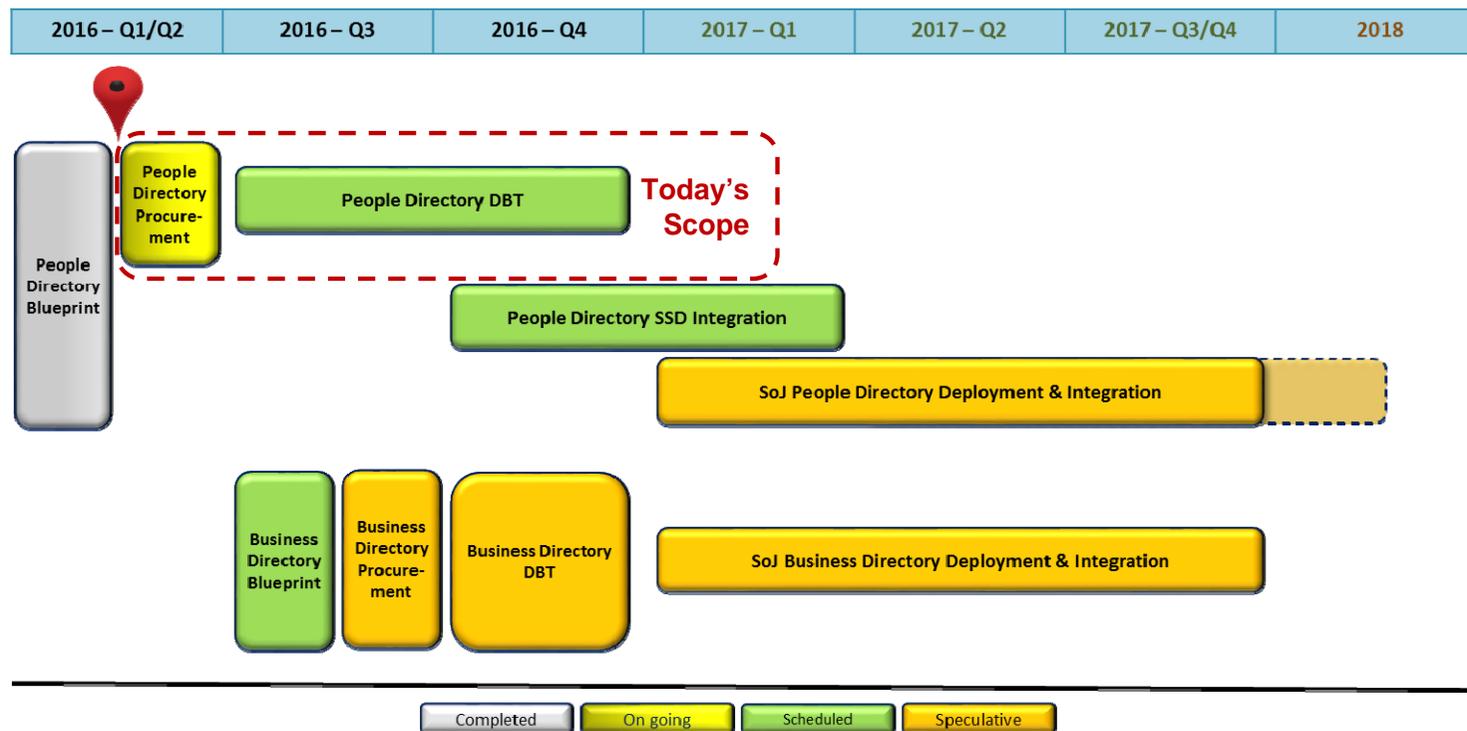
We have identified the need for two enterprise data sets: The **SoJ People Directory** and the **SoJ Business Directory** that will contain the core information for all natural persons and organizations (our 'Business Partners') whose interaction with the SoJ, and the Parishes, results in an exchange of information, money, goods, or services.



# Enterprise Data Sets – Principles and Roadmap

## Principles:

- ❑ Different projects will support the creation of these global directories, **conceptually we will want to separate the design/build/test phase from the deployment/integration phase.**
- ❑ We'll deliver the initial **phase (design/build/test -DBT-) of the People Directory as a Proof of Concept (PoC)** for our Enterprise Data Management approach.
- ❑ The PoC has 5 main objectives: Confirm our assumptions, Discover and Learn, Select technology solution(s), Validate business/functional integration and Deliver a viable solution which is integration ready and interfaced with Populus.
- ❑ The solution deployed is flexible, easy to integrate, it uses established standard and follows best practices. Flexibility is offered using configuration capabilities and customization is kept to a minimum.



High level requirements articulate around 3 main sets of capabilities:

❑ **Independent and self-sufficient system**

*The People Directory system is accessed and managed using its own user interface. Reporting and extract (download) capabilities exist as well as mass changes and mass load (upload) functionalities.*

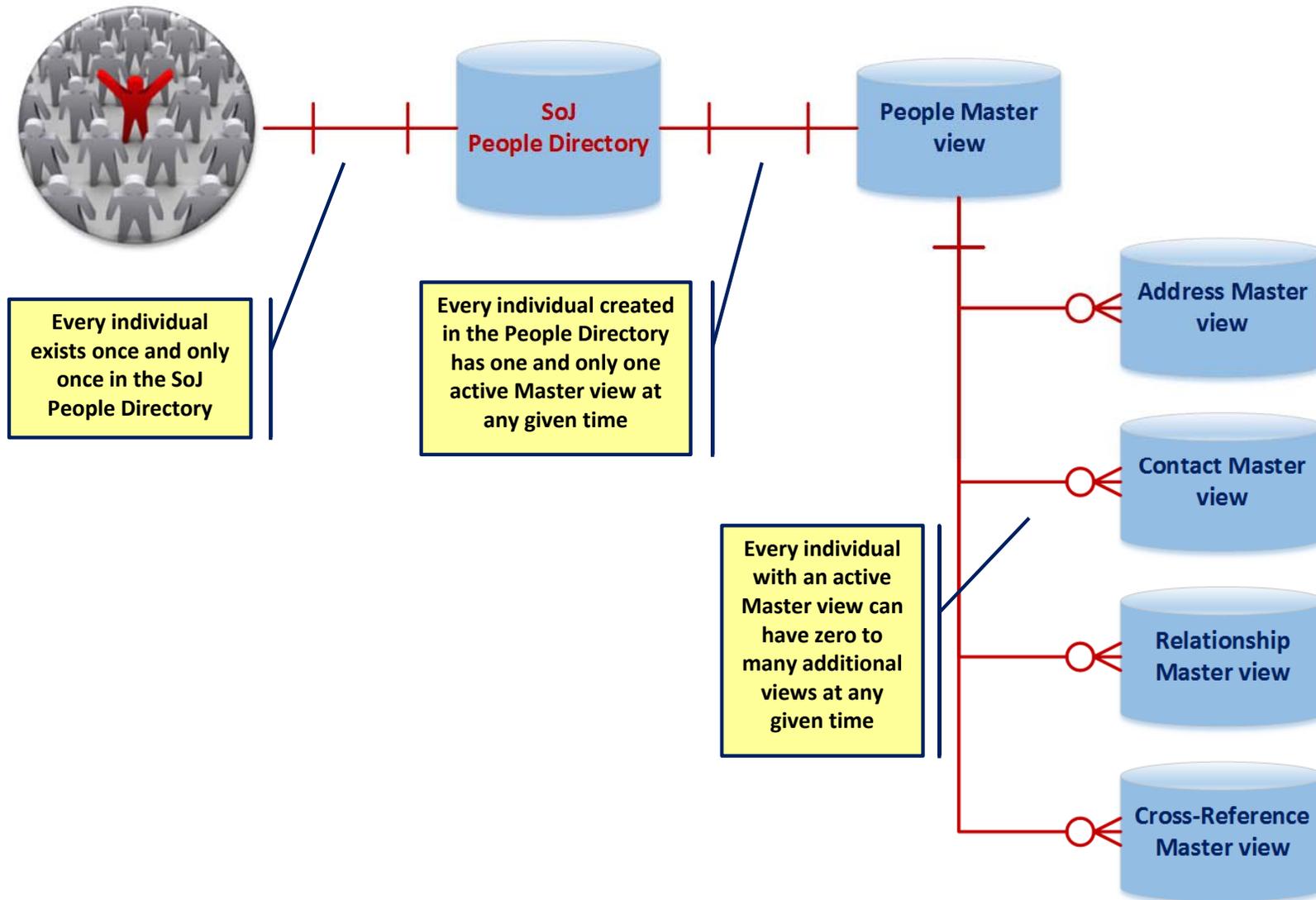
❑ **Broad and remote access**

*The People Directory can be accessed remotely through different technology (API, Web Services) and be architected on a platform which is flexible to adopt emerging technologies in the future.*

❑ **Integration with existing, or new, functionalities and systems**

*Some interfaces are created to allow automatic exchange, update and reconciliation of data elements and cross referencing elements. These interfaces can be used by any authorised service for the exchange of data, these can be used by existing or new services.*

# The People Directory – Data Model and Data Views

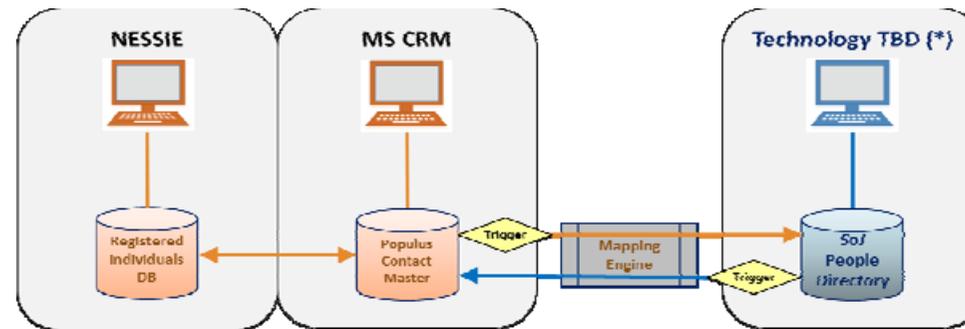


# The People Directory – Design/Build/Test (DBT)

**Objective:** Create a new, independent database of individuals who are currently interacting with the States of Jersey, interfaced with Populus and consisting of 5 master views.

**Postulate:**

- Hardware and license costs are excluded from the Quote.
- A SoJ Project Manager is resourced to lead and manage the POC.



**It is expected that the following questions are answered during the POC:**

- What technology to use?
- Decision as to whether to build bespoke or use a COTS product?
- Does the development or implementation of this new DB require changes on existing systems (i.e. Populus, Nessie)?
- Design for integration service to make the People Directory available across all States services.
- What are the implementation costs: edit/display licenses, etc?
- What is the on-going maintenance cost based on different scenarios?
- Where could the data physically reside?
- Who are the SoJ data controllers and data processors of the People Directory?
- Who is in charge of maintaining the People Directory? What is the operational model?
- Can the existing and future regulations (data privacy and data sharing) support the Enterprise Data concept?

## **Technical Deliverables:**

1. A new, independent database of individuals – the People Directory - who are currently interacting with the States of Jersey, interfaced with Populus and consisting of 5 master views.
2. A user interface (GUI) to manage and maintain the People Directory.
3. A set of standard API's (i.e read, write) to interact with the People Directory.
4. Web Service applications to interact with the People Directory over the web.
5. A functionality to download People Directory records in different format (txt, xls) based on selection/extraction criteria.
6. A functionality to upload records in the People Directory based on defined mapping/transformation rules and control elements.
7. A two way interface with Populus so that creation and changes in one of the system (People Directory or Populus) are automatically applied in the other system based on defined triggers, mapping/transformation rules and control elements.
8. The People Directory system must have backup and recovery functionalities as well as encryption capabilities (during transport and storage).
9. The People Directory system is managed by Role base security.
10. An audit trail of access requests and where the access is requested from (person and system) is available.
11. An audit trail of changes in the data and where they are made is available.

## **Functional/Process Deliverables:**

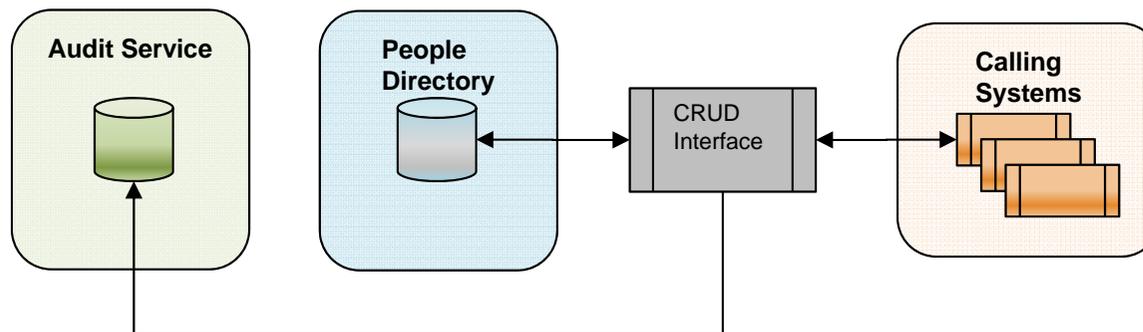
1. A data migration process to load data from other systems in the People Directory.
2. A standard process to create/update data in the People Directory.
3. A defined set of roles providing edit and display access to the People Directory.
4. An operational model for the People Directory.
5. A way of identifying duplication or potential duplication between records when new data is loaded or at regular periods while the system is operational.

# The People Directory – Architecture Positioning

Objective: Messaging interface to allow controlled, safe and secure interface to Create/Read/Update/Disable of records within the People directory

Current thoughts:

- API based interface based on Open Standards e.g. XML, REST, Web Services.
- Interactions recorded in Audit Service.
- Security between endpoints (e.g. certificate based).



**It is expected that the following questions are answered during the POC:**

- Definition of the API.
- Technology to be used for messaging (e.g. framework, ESB).
- How audit trail of interaction will be securely recorded.
- Access to Audit trail for Citizen agreed.

Our Questions:

- *Risks?*
- *Cost?*
- *Timeline?*
- *Technology?*

