



ABS System Alignment Review

Analysis Findings - Executive Pack

6th August 2018

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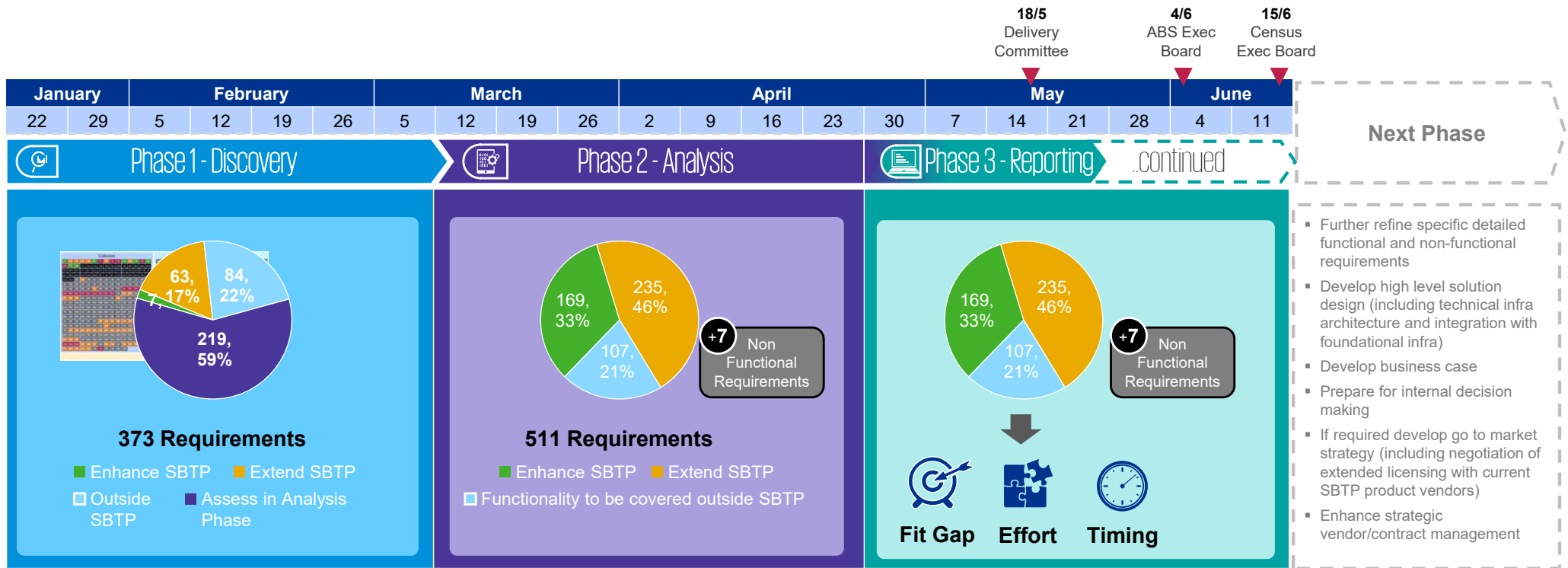
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ABS Systems Alignment Review | Analysis Findings | Summary

The Systems Alignment Review included a Discovery Phase and a more in-depth and workshop-based Analysis Phase



This review saw a staged refinement of Census requirements and potential future fit to the Statistical Business Transformation Program



Analysis Phase Approach

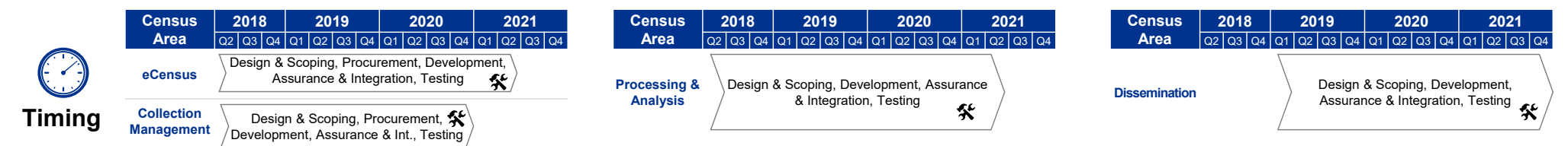
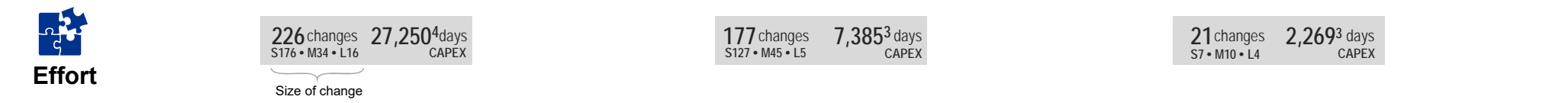
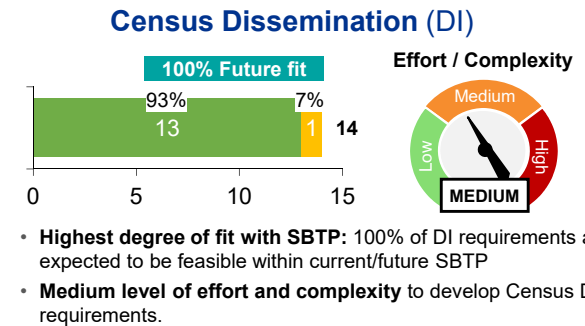
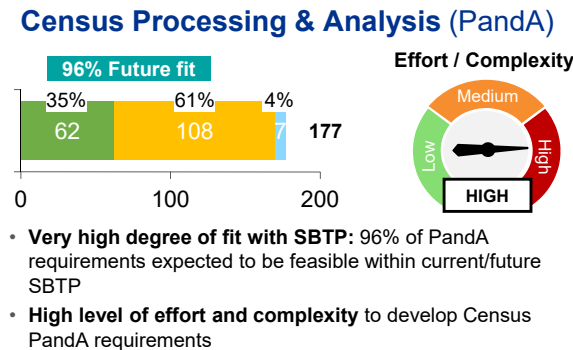
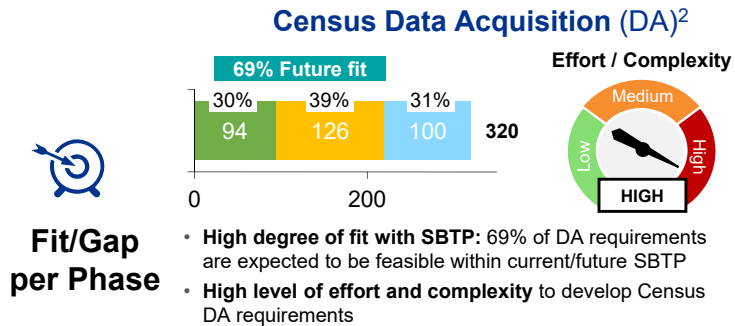
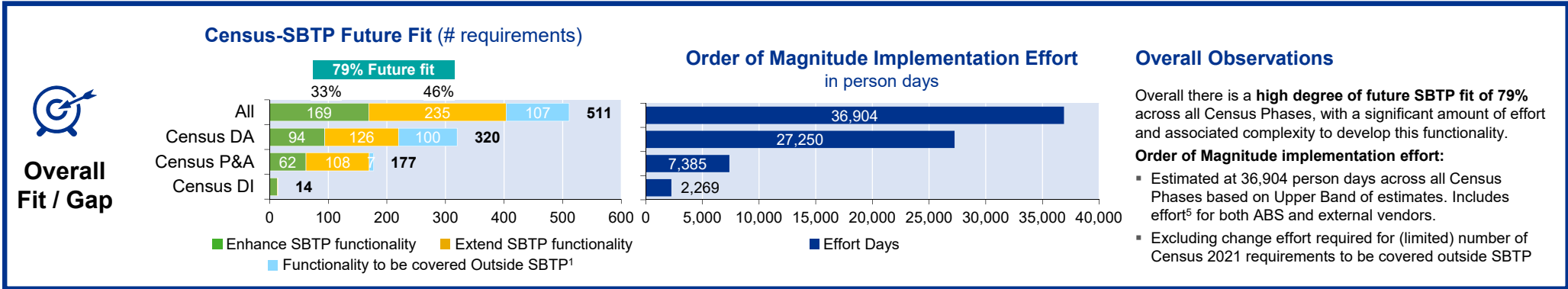
10 Agile workshops • 30 participants
• Census, SBTP & Service Provider teams



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ABS Systems Alignment Review | Analysis Findings | Summary

A high degree of potential Future Fit is apparent across all Census phases, with an associated high degree of implementation effort, cost and complexity



Notes: 1) Assumption that Census SBTP Solution will fit with foundational infrastructure components (i.e. Security, Identity and Access (SIAM), Integration Platform, Enterprise Data Management Environment (EDME), Metadata Registry & Repository (MRR) and Statistical Workflow Management System. Activity types included in effort estimate are Development (including business/product configuration and enhancements), Business Analysis, Architectural Design, Project/Program Management, Services Management/Admin, IT Process Management (including Release Management) and Quality Assurance & Testing.



The following observations and SWOT analysis provides further information on the level of future fit* observed between Census requirements and SBTP



A high level of potential future fit* to SBTP is observed. To achieve this, a large scale program would be required within ABS, with an associated high level of effort and complexity. Key observations across the Census phases are presented below.

***The SBTP solution for Census has not been built. This review assesses a potential future fit of Census to SBTP.**

Census Data Acquisition	Census Processing & Analysis	Census Dissemination
<ul style="list-style-type: none"> High level of potential future fit* with SBTP – 69% Further investigation required regarding elements of Census that are specifically outside the design of SBTP and require Census independent effort (e.g. contact centre & paper forms). 	<ul style="list-style-type: none"> High level of potential future fit* with SBTP – 96% Large number of changes requiring business configuration and/or product integration. Further investigation required into specific level of change effort required, and into the integration of legacy PandA systems. 	<ul style="list-style-type: none"> High level of potential future fit* with SBTP – 100% Planning for Census 2021 is in early stages, as the team has recently completed their 2016 cycle. Requirements expected to be refined in the near term and can benefit from a combined Census and SBTP team structure



Strengths

- Census 2021 requirements have a high level of potential future fit with SBTP capability (either current/planned/future) across all Census phases with a future fit score of 79%.
- Only 7 PandA requirements identified as outside of SBTP design scope
- PandA & DI non functional requirements largely meet requirements with moderate effort expected
- DI combined Census and SBTP team structure indicates high likelihood of integration



Weaknesses

- Overlap between Pega 7 & Conformat functionality in DA.
- Ambiguity in DA how Informatica integrates systems and commercial implications
- A large portion of DA (31%) of Census requirements need to be covered outside of SBTP (e.g. paper data capture)
- Ambiguity on complexity and effort required for PandA requirements
- Incomplete DI requirements as DI team has just completed 2016 cycle



Opportunities

- Potential long term benefits (e.g. efficiency, standardisation, modernisation) of moving towards ABS shared functionality leveraging an integrated platform
- Multiple solution options put forward by Service Provider for DA aimed at optimising Census outcomes
- Potential risk reduction through the modernisation of legacy systems



Threats

- Significant change effort expected for SBTP to fulfil Non-Functional Requirements for Census DA (and parts of PandA)
- Some identified Census legacy systems contain significant technical debt with skillsets becoming more scarce
- High level of complexity expected in migrating Census rules to SBTP (PandA)
- Potentially SBTP PandA timelines not aligned to Census
- Partial integration of Census with SBTP may increase risk and complexity.

A decision will need to be made regarding Census-SBTP integration and then executed accordingly



A decision is needed to what extent Census 2021 aims to leverage SBTP, prior to developing a detailed approach

The overview below presents further actions for ABS to progress their Census 2021 requirements, refine approach for delivering required functionality and execute on such approach.

Overarching Decisions & Actions

- Executive level decision making regarding the extent to which Census 2021 will integrate with SBTP capability in principle, pending further investigation
- Following this decision, define and agree detailed approach/delivery model for all required Census functionality (e.g. leverage SBTP build, Census independent build, Hybrid build using other Product Vendors)
- If required, develop go to market strategy (including negotiation of extended licensing with current SBTP product vendors)
- Further refine specific detailed functional and non-functional requirements
- Develop high level solution design, including technical infra architecture and integration with foundational infra. *(Dependent on delivery model.)*

Actions to Integrate with SBTP

Data Acquisition

- Further investigation on Pega 7 & Conformat and division of Census use between the two
- Further investigation on the role of Informatica on integration and commercial implications for Census workloads
- Further investigation and scoping of non functional requirements and effort
- Census DA solution design to include capability for integrating with paper forms and contact centre

Processing & Analysis

- Further investigation on complexity and effort required to configure SBTP products to meet Census requirements
- Detailed risk assessment on Census legacy tools

Dissemination

- Dissemination team to refine 2021 requirements and complete a further round of requirements matching

Actions for Census Independent Effort

Data Acquisition

- Scoping of Census independent effort required (requirements outside SBTP design scope)
- Develop Transitional Architecture for adoption of SBTP components and integration with Census legacy components as required

Processing & Analysis

- Scoping of Census independent effort required (requirements outside SBTP design scope) and assessment of fit with ABS Information Model
- Develop Transitional Architecture for adoption of SBTP components and integration with Census legacy components as required

Dissemination

- Refine requirements based on user needs and assess priority for development of new or refreshed enterprise product(s) currently outside of SBTP design scope



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