



STANDING COMMITTEE ON ECONOMIC DEVELOPMENT AND TOURISM

JEREMY HANSON MLA (CHAIR), MICHAEL PETTERSSON MLA (DEPUTY CHAIR), MARK PARTON MLA,
SUZANNE ORR MLA

**Inquiry into referred 2016–17 Annual and Financial Reports
ANSWER TO QUESTION ON NOTICE**



Asked by MR COE MLA:

Chief Minister, Treasurer and Economic Development Directorate 2016/17 Annual Report,
Government Policy Reform, Output 1.1

In relation to Data Management:

1. Please provide an outline of how each of the following proof of concepts work:
 - a. Automatic liquor licencing reporting;
 - b. Better understand the contributing factors to alcohol-related street violence;
 - c. Assess the operational effectiveness and efficacy of the Working with Vulnerable People Registration Scheme;
 - d. Identify businesses that are most likely to be under insured for workers compensation claims; and
 - e. Demonstrate how, through use of a controlled and curated data lake, workforce profile reports can be delivered more effectively to HR Business Units across government.
2. In relation to these proof of concepts:
 - a. What part of liquor licencing reporting can be automated?
 - b. What data is being captured that assists in better understanding alcohol related violence?
 - c. How is the assessment of the operational effectiveness and efficacy of the Working with Vulnerable People Registration Scheme being conducted?
 - i. Should this have been done previously?
 - ii. Why is this assessment only being conducted now?
 - d. How are businesses being identified that are most likely under insured for compensation claims?
 - i. Does the MOU with Unions ACT cover this issue?



LEGISLATIVE ASSEMBLY

FOR THE AUSTRALIAN CAPITAL TERRITORY

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CHIEF MINISTER: The answer to the Member's question is as follows:—

1. Outline of how each proof of concept works
 - a. Automatic Liquor Licensing report - The purpose of this pilot was to automate the processes required to produce and publish the liquor licenses report each month and to demonstrate the cost and time savings that can be achieved through report automation. This involved developing the processes to extract the data from the source system, load it into a secure data repository (Data Lake) and finally publish the dataset to the open data platform.
 - b. Alcohol-Related Violence Street Violence - This project aimed to analyse and identify factors contributing to alcohol related violence by integrating datasets from TCCS, JACS, CMTEDD and external sources including weather, licenced venue locations, opening/closing times, proximity of venue to CCTV/streetlights, events, alcohol consumption and type of liquor licence. It involved acquiring the data and authorisation from a number of internal and external areas, loading the data into a secure data repository (Data Lake) and then undertaking data and statistical analysis to test a number of propositions.
 - c. Working with Vulnerable People Registration Scheme - This project, which is still in progress, is examining the operational efficiency and effectiveness of the Working With Vulnerable People Scheme and compliance rates within regulated sectors such as education, social housing and child care. The insights derived from this will inform strategies to increase compliance where required and better target applicants at higher risk of being ineligible for a WWVP card, leading to increase protection of our vulnerable citizens.
 - d. Workers Compensation Insurance Compliance – This project has involved the OCDO working with Worksafe and ACT Revenue to identify businesses most likely to be underinsured for workers compensation claims by combining datasets from ACT Revenue and ACT Worksafe Compliance. This involved developing a process to extract Worksafe data from their source system, loading it into a secure data repository (Data Lake) and then sharing the data with the ACT Revenue office. The ACT Revenue office then linked this data with their own revenue data and undertook sophisticated analysis to identify those businesses most likely to be at high risk of being under insured.



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- e. Workforce Profile Reports – The purpose of this project was to demonstrate how, through the use of a controlled and curated data lake, Chris21 profile reports can be delivered more effectively to HR Business Units across government. This involved developing processes to extract human resource data and load it into a secure data repository (Data Lake). Access views were then developed to demonstrate how staff from one business area can be given access to data related to their area but not to any other area. A dashboard report was also developed to demonstrate the visual analytics capability of utilising a shared and secure data repository.
2. In relation to the proof of concepts
- a. The full production of the liquor licensing report can be automated. This includes extracting the data from the source system, transforming and storing it securely and pushing the dataset and report to the Access Canberra website as well as to data.act.gov.au.
 - b. Data sets that were used for the project included liquor licenses data, ACT Events data, AFP violent Incidents data, Bureau of Meteorology weather data and street lights data. Other data sets identified for future analytics in this area include ambulance data, Emergency Department presentations data, and on licence alcohol consumption data.
 - c. This project was an activity to test combining complex, sensitive data sets to gain further insights into the Working with Vulnerable People Registration Scheme. This was separate to the legislative review of Working with Vulnerable People (Background Checking) Act 2011 which was recently tabled and is available on the Community Services Directorate website.
 - i. This project was separate to the legislative review and was not required to be done within the timeframes set out within the legislation.
 - ii. As part of the Data Management Pilot there was an opportunity to test whether combining complex, sensitive data sets was achievable and whether it could provide further insights into the Working With vulnerable Peoples Registration Scheme. This opportunity was not available prior to the pilot being conducted.
 - d. Data from Worksafe that includes the estimated workforce and insurance premiums is being linked with ACT Revenue data which includes actual payroll amounts being paid by businesses. Analysis is then undertaken to identify those businesses with the highest discrepancy between their reported staffing numbers and their actual payroll for the same period. This has involved considerable collaboration between Worksafe and ACT Revenue to understand the data and its meaning, develop and test the business rules for anlysis and testing the results.



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- i. The MOU is designed to ensure ACT Government procurement activity includes fair consideration of the rights of workers, in addition to ensuring providers:
- a. are accountable to the public;
 - b. promote quality; and
 - c. promote local employment.

This project is broader than ACT Government procurement activity given it has the potential to consider workers' compensation compliance across all private sector industries.

Approved for circulation to the Standing Committee on Economic Development and Tourism

Signature: *Andrew Barr*

Date: 24.11.2017

By the Chief Minister, Andrew Barr MLA