Transportation Satellite Account
The Canadian Experience

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Telling Canada’s story in numbers

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Outline

• Why a Satellite Account
• What is a Satellite Account
• Previous Work
• A Confluence of Events
• Possible Future Work
• Next Steps
Why a Satellite Account

- How important is transport to the Canadian economy?
  - For-hire transportation accounted for 3.8% of GDP in 2015

- What about private activity? Let’s look at vehicles:
  - 21.7 million light vehicles were registered in 2014
  - Purchase/use of private vehicles 18% of household spending

- What about non-transport industries that use vehicles?
  - Of the 877,000 medium/heavy trucks registered in 2010, only 21% were in the for-hire trucking industry
  - Of the 262,000 truck drivers in the 2011 Census, about 70% were in the for-hire trucking industry
What is a Satellite Account

- A method of providing a comprehensive measure of the contribution of transportation to the economy
  - Statistics Canada has a long history of developing and disseminating satellite accounts including: Tourism, Culture, Environment, and the Non-profit and Voluntary Sector

- Development of such an account may involve
  - Re-arranging or re-classifying existing information
  - Adding complementary and supplementary information
  - Modifying concepts in the System of National Accounts (SNA)
Previous Work

- **Study: Economic Importance of Transportation in Canada**
  - Released in 2006 based on data for Reference Year 2000
  - Funded by Transport Canada and conducted by Statistics Canada

- **Study Objectives:**
  - Measure the value of “own-account” transportation service – the key step in developing a satellite account
  - SNA has measures of “for-hire” transportation
  - Value of Service = “for-hire” + “own-account”
Previous Work

Share of GDP by Industry Group (mode) in Canada, 2000

- Air: 0.5
- Rail: 0.4
- Water: 0.1 (For-hire), 0.1 (Own-account)
- Truck: 1.7 (For-hire), 2.3 (Own-account)
- Other: 1 (For-hire), 0.1 (Own-account)
- Total: 3.7 (For-hire), 2.6 (Own-account)
A Confluence of Events

- 2012 U.S. Commodity Flow Survey, Private Trucking:
  - Moves > 1/3 of goods in U.S. by value (36%) and by weight (37%)

- Trucking Commodity Origin-Destination Survey redesign:
  - An opportunity to examine adding private trucking

- Shippers Characteristics Study (2016)
  - Research to determine number of shipments for CCFS

- NATS creates new *Logistics Working Group*:
  - Satellite Account on the agenda with Americans and Mexicans

- Transport Canada Evidence Based Framework:
  - Satellite Account proposed as part of new data investments
Shippers Characteristics Study (2016)

Cross economy survey of 1,447 business establishments

<table>
<thead>
<tr>
<th>Industry (NAICS)</th>
<th>Number of Shipments*</th>
<th>Shipments by Road</th>
<th>by Private Trucking</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Industries</td>
<td>84</td>
<td>94%</td>
<td>82%</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>2457</td>
<td>99%</td>
<td>41%</td>
</tr>
<tr>
<td>Wholesale &amp; Retail</td>
<td>2707</td>
<td>98%</td>
<td>52%</td>
</tr>
<tr>
<td>Support Activities</td>
<td>618</td>
<td>89%</td>
<td>28%</td>
</tr>
<tr>
<td>Courier, Storage</td>
<td>494</td>
<td>97%</td>
<td>49%</td>
</tr>
<tr>
<td>Other Services</td>
<td>717</td>
<td>83%</td>
<td>67%</td>
</tr>
<tr>
<td><strong>Grand Total</strong></td>
<td><strong>1012</strong></td>
<td><strong>93%</strong></td>
<td><strong>41%</strong></td>
</tr>
</tbody>
</table>

*Outbound shipments made in a typical week*
Next Steps

- Own-account (private) trucking
  - Work now underway on adding this as part of a redesign of Statistics Canada’s Trucking Origin and Destination Survey

- Transportation Satellite Account
  - Transport Canada has requested resources to work with Statistics Canada as part of ongoing policy development
Questions and Contacts

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