Policy Spotlight:

Open Data in Federal Spending

David Lebryk, Commissioner, Bureau of the Fiscal Service
U.S. Department of the Treasury
Transparency

Necessary but not New….

“We might hope to see the finances of the Union as clear and intelligible as a merchant's books, so that every member of Congress and every man of any mind in the Union should be able to comprehend them, to investigate abuses, and consequently to control them.”

--Thomas Jefferson, 1802
Open Data – International Impact

G8 Summit – Summer 2013 in Northern Ireland

Open Data Charter signed by G8 members outlined 5 strategic principles:

• Open Data by Default
• Quality and Quantity
• Useable by All
• Releasing Data for Improved Governance
• Releasing Data for Innovation

“These will help unlock the economic potential of open data. Support innovation and provide greater accountability.”¹

¹http://www.whitehouse.gov/blog/2013/06/19/open-data-going-global
Open Data - National Impact

Open Data Policy - Managing Information as an Asset
Office of Management & Budget (OMB), M-13-13, May 2013

“Information is a valuable national resource and a strategic asset to the Federal Government, its partners, and the public.
…Making information resources accessible, discoverable, and usable by the public can help fuel entrepreneurship, innovation, and scientific discovery-all of which improve Americans' lives and contribute significantly to job creation.”

Sylvia M. Burwell, Director
Steven VanRoekel, Federal Chief Information Officer
Todd Park, U.S. Chief Technology Officer
Dominic J. Mancini, Acting Administrator, Office of Information and Regulatory Affairs
Treasury Vision

Provide reliable, timely, and secure Intelligent Data for the purpose of promoting transparency, facilitating better decision making, and improving operational efficiency.
Guiding Principles for Treasury

Concept of “Architecting for Unpredictability”

- Future users & uses can’t be predicted (i.e., proposed Digital Accountability & Transparency Act (DATA Act))
- Timely, reliable, secure and consumable data will be expected
- Authoritative standards-based virtual repository
- Data transparency and its usefulness should be treated as a public good
Intelligent Data? 

Intelligent Data is financial and non-financial data that is tagged with metadata. Metadata is structured information that describes, explains, locates, or otherwise makes it easier to retrieve, use, or manage data. It provides improved information searches and availability to query data across the government; users can query what they want and when they want it.
Open Data Example
Intelligent Data Example

+ Hydrate + Restore + Balance
Intelligent Data Example

GS1 The global language of business

Search by GTIN

As the name implies, the GTIN helps automate the trading process — basically buying and selling. GTINs are therefore assigned to any item, product or service that may be priced, ordered, or invoiced at any point in any supply chain. The GTIN is then used to retrieve pre-defined information about the item.

More information on GTIN

Locate enterprise by information appearing in the barcode placed on trade item or consumer unit:

GTIN

Global Trade Item Number: 651740000506

This information is provided on behalf of GS1 US, INC.

<table>
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<tr>
<th>GLN</th>
<th>COMPANY</th>
<th>CONTACT</th>
<th>LAST CHANGE</th>
<th>GCP</th>
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<td>651740000501</td>
<td>Essentia Water, Inc. WA 220 22833 Bothell-Everett Hwy 98021 Bothell United States</td>
<td>Tel: (425) 402-9555 Fax: (425) 402-9595</td>
<td></td>
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Respondent: 061418000001 Responses: 1 RC: 0 (No error)
Value of the Barcode

- Improves internal operations (i.e. operational analytics)
  - Ranging from pricing to checkout scanning to inventory and assortment management

- Automatic transmission of POS data
  - Has been instrumental in reducing inventory, shortening lead times, and increasing profitability.

- Low cost of data collection as compared to Radio Frequency Identification (RFID)

- Extensible with mobile technology
  - Anything with a barcode can now be "scanned" using smartphones
Lessons from the Barcode

- Standardizing the data spurred innovation
- One standard mapped a million ways across many languages
- Systems were built around the data, not the other way around
Open Data & Intelligent Data In Action

Intelligent Data will be reliable, timely, secure, and available for consumption by governmental and non-governmental users.
**Open Data & Intelligent Data In Action**

**Treasury’s Next Steps**

**Focus on:**
- Creating an open forum comprised of cross agency and industry participants
- Developing metadata standards in-line with industry standards to provide open, available, and Intelligent Data sources.
- Developing a small scale prototype to demonstrate capabilities of open, available, and Intelligent Data
Thank You

Follow us on @FiscalService
Let’s keep the conversation going on #openintelligentedata