

# **27<sup>th</sup> Voorburg Group Meeting on Services Statistics**

**Warsaw, Poland**

**October 1-5, 2012**

## **Operational Efficiency Strategies Session**

**Survey Design Considerations for Supporting**

**Industry-by-Product Estimates for the Service Annual Survey**

**Mark E. Wallace**

**U.S. Census Bureau**

The views expressed in this paper are those of the author alone and do not necessarily represent the position of the U.S. Census Bureau or any other organizations with whom the author may be affiliated.

## **1.0 Introduction**

This paper on Survey Design Considerations for Supporting Industry-by-Product Estimates for the Service Annual Survey (SAS) describes the process by which we determined industry-by-product turnover combinations to be measured by the SAS sample, and to be collected on the SAS forms, for the 2011 SAS. It is important to note that this is not a presentation on statistical methodology. Instead, it is a high-level explanation of how two large organizations, with competing priorities, were able to collaborate to produce a high quality data product. It is important to describe the process by which we achieved this accomplishment because, in the end, it delivered maximum value to the U.S. taxpaying public that pays for these programs in a time of harsh budget constraints. Specifically, this paper details the background and challenges that the U.S. Census Bureau and the Bureau of Economic Analysis (BEA) faced together in determining the specific industry-by-product priorities for inclusion on the SAS without substantially increasing the sample size – which would have been cost prohibitive. Further, it lays out in detail how the two agencies worked through three distinct phases to meet the challenge of producing Census Bureau data of the highest value possible for input to BEA’s national accounts.

## **2.0 Background and Challenge**

Since the 1980s, as industry-level receipts (turnover) data on an expanding number of service industries began to be collected and published, there had been increasing calls for expanding service product line data below the industry level of detail. This can be thought of as the equivalent of “turnover details being greater than or equal to the CPC” as shown in the Voorburg Group’s annual country progress reports. The reason for this is that data at the industry-by-product line level of detail are required for developing price deflators, and, in many cases, to provide the ability to differentiate between intermediate and final demand and for developing input-output tables for the national accounts.

### Expansion of Coverage at the Service Industry Total Level

Before focusing on the expansion of industry-by-product estimates, it is important, first, to provide a brief description of the earlier challenge that was met for expanding industry-level coverage for service industries in the United States.

Beginning in 1983, annual services coverage was begun with about two dozen industry/industry groups published in the first SAS. Then, from the mid-1980s forward, the Census Bureau continued an incremental expansion of annual coverage of service industries.

In 1992, the Economic Census, which is taken every five years, expanded to cover all service industries, providing first time coverage of communications, utilities, financial services, insurance and real estate. In 1997, a new industry classification system was introduced - the North American Industry Classification System (NAICS). NAICS recognized hundreds of new and emerging service industries. The Economic Census first published data on a NAICS basis for the 1997 reference year.

The Economic Census provides comprehensive statistics on services, reflecting 55% of GDP, publishing very detailed industry and geographic information. However, the problem was, this complete coverage of services data was available only once every five years. Through 2008, industries covered annually by the SAS comprised only 30% of GDP, meaning that 25 percent of the U.S. economy was being covered only once every five years. Data on the complete service sector had long been needed more frequently than every five years to understand the economic world in which we are operating. After several attempts to obtain additional funding for annual and quarterly coverage of all service industries at the industry level, we ultimately received supplemental funding in 2009 for that year and each year thereafter that has enabled us to match, in both the SAS and the Quarterly Services Survey, the industry coverage for the 5-year Economic Census.

#### Expansion of Service Industry-by-Product Coverage

Then, subsequent to this, implementing a business sample revision, involving redesigning and reselecting business samples for annual survey year 2011, presented an opportunity to introduce industry-by-product data in the SAS in a way that the sample design could support.

This paper refers to both pre-expansion and expansion industries in the SAS. The expansion industries are those that were included in the SAS for the first time in survey year 2009. The pre-expansion industries are those that were included in the SAS prior to the expansion. **See Attachment A for pre-expansion and post-expansion service industries and their associated overall percentages of U.S. Gross Domestic Product.**

Prior to the effort described in this paper to introduce additional industry-by-product data in the SAS, none of the expanded industries included industry-by-product inquiries. However, some, but not all, of the pre-expansion industries did include industry-by-product data inquiries, but the SAS sample did not necessarily support their being separately collected and published.

In identifying industry-by-product combinations to be included in the SAS, one of our objectives was for these combinations to correspond to the broader categories of lines included in and proved in as part of the Economic Census. Therefore, close analysis of the 2007 Economic Census results served as important input into the SAS by providing evidence of whether

respondents were able to actually report specific products as well as shedding light on the economic significance of particular products. For the 2007 (quinquennial) Economic Census, over 2,000 service-sector sub-industry level product lines were collected and published, a tremendous step forward in the process of developing industry-by-product statistics for services, with this additional detail on service-sector proving to be very useful to BEA and to the Bureau of Labor Statistics (BLS).

Currently, during calendar year 2012, we are collecting data for the 2011 SAS. This marks the first year of the new business sample. The selection of new samples is a large undertaking. We select new samples, using the latest size and classification information obtained from the most recent Economic Census and more recent data from the Business Register, to ensure that the samples remain representative of the business universe and to redistribute burden for small- and mid-size businesses.

This sample is the first sample that attempts to take into account the reliability of both industry statistics and product statistics. A major goal in doing this was to avoid substantially increasing the sample size to accommodate the introduction of industry-by-product detail because any increase in the number of businesses in the SAS would be cost prohibitive given that the supplemental funding we receive every year is only sufficient to support the existing sample size for the SAS. We knew this was definitely going to be a challenge, but it was a challenge we were determined to meet and which we did meet.

### **3.0 Meeting the Challenge**

We met the challenge of adding product detail to the SAS sample, without increasing sample size, by undertaking work in three distinct phases from 2009 to 2011. The first phase was to work with BEA to obtain an initial list of product priorities for the pre-expansion and the post-expansion industries. Then, activities for the second phase included researching the reportability of products for the pre-expansion industries by using industry-by-product data from the Economic Census, using prior SAS estimates for pre-expansion industries, and determining the “cost” of pre-expansion industry-by-product combinations requiring an increase in sample size. And, finally, the third phase of this work involved discussing the results with BEA and providing a tool to BEA for ultimately selecting their industry-by-product priorities.

#### **3.1 Phase 1: Working With BEA to Get an Initial List of Industry-by-Product Priorities Prior to Feasibility Research**

This phase involved obtaining a list of the products that BEA was requesting for the pre-expansion industries and for the post-expansion industries. Initially, this exercise involved

obtaining additional products without identifying any existing products that could be eliminated from the SAS forms. **The industry-by-product combinations identified during Phase 1 for the pre-expansion industries, along with an indication of whether they would require additional sampling units, are shown in Attachment B.**

For each industry-by-product combination collected in the SAS that had an imputation rate less than 40% and a coefficient of variation (CV) less than 20%, we assumed that the current sample design was adequate to produce reliable estimates (i.e., no special design considerations would be required for these industry-by-product combinations). However, industry-by-product combinations not meeting these criteria would require additional examination. For those industry-by-product combinations that had CVs greater than 20%, we would need to include additional sampling units to meet desired levels of reliability. The actual number of additional units was determined by a model (using as input results from the 2005 through 2008 SAS) that connected the estimated industry-by-product revenue CVs and industry total revenue CVs. Based on the model, we were able to adjust the industry total revenue CV constraints to produce a sample that would produce more reliable estimates for selected industry-by-product combinations. For those industry-by-product combinations with imputation rates above 40%, recordkeeping practice studies were conducted as described in Section 3.2 below.

### **3.2 Phase 2: Researching the Feasibility of BEA's Industry-by-Product Priorities**

#### **Researching the reportability of products for pre-expansion industries**

We knew from our experience with the SAS that some industry-by-product combinations were not reportable. Therefore, we started Phase 2 by eliminating those industry-by-product combinations with reporting issues. We determined which industries had high imputation rates and analyzed the reporting history of companies whose data had been imputed in those industries. For industries dominated by large non-reporting companies, we contacted those companies and found, in some cases, that the companies actually could report certain industry-by-product combinations. In those cases, we concluded that the imputation problem resided with the analyst follow-up and we retained products for these industries on the survey form or questionnaire. In addition, in a few cases we found that the companies could report if two or more products were combined. For example, several companies could not differentiate between government and business receipts, but could differentiate receipts to individuals. In such instances, we combined receipts from business and government into one product. It is also important to note that, for some industries, there were insufficient companies that could report a given product; in these cases, we ultimately decided to drop these products from the particular industry form. However, if studies determined that the industry-by-product combination was not reportable, then the product was presented to BEA for potential removal

from the survey. **See Attachment C for industry-by-product combinations previously identified by BEA that subsequently were designated to be dropped.** (Please note that, upon appeal by BEA, several industry-by-product combinations were later reinstated for further consideration.)

#### Using industry-by-product data from the Economic Census

We also were able to utilize 2007 Economic Census industry-by-product data in introducing efficiency to the sampling design process. The industry-by-product data was used to determine if companies, which otherwise would be subjected to non-certainty sampling, should be included in the sample with certainty (i.e., probability = 1). For example, if, in the Economic Census an industry included a product that constituted a small portion of total receipts and a company that had a significant impact on the product total, but not the revenue total for that industry, then that particular company was chosen as a certainty case (weight = 1) for the sample. This method resulted in the addition of 247 companies as certainty cases to the overall sample of approximately 70,000 units. Ultimately, this was a relatively small price to pay to include in the sample with certainty companies with significant known product contributions.

#### Using prior SAS estimates for pre-expansion industries

Another method we used was to build a model that related the already existing product coefficients of variation with coefficients of variation for revenue, where revenue had been the only design variable. We accomplished this by building a model that used ratios to quantify how common the product was within the industry and how common the product was in the more reliable certainty companies. Using data from the 2005 to 2008 SAS, this method revealed which industry-by-product combinations would require an increase in sample size to support sub-product detail over and above the sample size required to support just industry level revenue. This method did prove to be fruitful for the pre-expansion industries, but of course was not available for use with respect to the post-expansion industries since these industries were not covered by the SAS prior to 2009.

#### Examining products for post-expansion industries

Having determined a methodology for identifying products for the pre-expansion industries, we then needed to figure out which products we could add for the post-expansion industries. The only data available for this purpose was from the 2007 Economic Census. We used data from the product lines report, specifically the percent of product revenue of the overall industry revenue and the percent of product revenue of establishments in the industry that were actually handling the product.

In most cases, BEA had requested the inclusion of products for industries at the lowest level of NAICS detail, usually at the 5- to the 6- digit level. We realized, however, that the data may

have been too thin at these lower levels, so we analyzed the Economic Census data at the 3-digit through the 6-digit levels of NAICS detail.

**See Attachment D for industry-by-product combinations that could be added for the post-expansion industries without requiring additional sampling units.** We added products if the industry-by-product combinations appeared to be easily reported and the product revenue constituted a significant portion of the total revenue for a given industry. In some cases, we could not promise BEA that we would provide estimates at the lowest level of NAICS detail that they had requested; however, we could likely provide BEA with estimates at a higher NAICS level.

### **3.3 Phase 3: Working With BEA to Get a Final List of Industry-by-Product Priorities**

By the time we had finished the first two phases, we had accomplished a significant amount of work. We had determined which particular industry-by-product combinations for the pre-expansion industries and for the post-expansion industries were collectable, irrespective of the requisite increase in sample size. We informed BEA of the results of this work, including findings of pre-expansion industry-by-product combinations where no sample size increase would be needed as well as the post-expansion industry-by-product combinations which were feasible, irrespective of sampling unit considerations.

However, of course there is a cost associated with adding variables to the collection of a survey. This cost is in the form of an increase in the number of sampling units required for the survey. In the design of the 2011 SAS, we had determined that the survey would consist of 66,000 sampling units to support the production of data at the industry level only. Over and above that, though, for the survey to support the industry-by-product combinations related to the pre-expansion industries identified by Phases 1 and 2, it would cause an increase in the sample of an additional 8,000 sampling units. The 8,000 increase in the number of sampling units was the result of adding 21 industry-by-product combinations. We figured that each of these 21 industry-by-product combinations would require between 50 and 2,450 extra sampling units.

Moving forward, a realistic assessment of the resources available to the Census Bureau to conduct the SAS showed that we would not be able to support a sample size of above 70,000. Therefore, with this projected workload of  $66,000 + 8,000 = 74,000$ , we realized that we were already at a deficit of 4,000 sampling units if we were to include all of the industry-by-product combinations requested by BEA for the pre-expansion industries alone. We knew that this would cause an increase in workload that would be above the capacity of the Census Bureau staff. Therefore, with no additional resources available for conducting the SAS, the only option available was to cut industry-by-product combinations from the SAS.

To this end, the Census Bureau provided BEA with a way to choose which industry-by-product combinations were to be included in or to be cut from the SAS. We provided a spreadsheet that listed industry-by-product combinations for the pre-expansion industries with the associated increase in sampling units (or sample cost) for each one. **(See Attachment E for an illustration of this spreadsheet provided to BEA by the Census Bureau.)** In effect, of the 8,000 additional sampling units to support the industry-by-product combinations for the pre-expansion industries, the Census Bureau gave BEA a “budget” of 4,000 sampling units. BEA then used this spreadsheet to maximize their needs in terms of identifying the most valuable industry-by-product combinations. Each industry-by-product combination effectively was subjected to an individual cost-benefit analysis. Given this information, BEA made their selections, that is, which industry-by-product combinations would be kept and which ones would be cut. It was interesting that, as national income accountants, the BEA analysts actually were quite comfortable with this method of “accounting” for sampling units in making their choices.

The outcome of the choices made by BEA yielded unexpected benefits. BEA’s choices of industry-by-product combinations actually came in 1,150 sampling units “under budget.” This, in turn, then allowed us to use these extra available sampling units to include industry-by-product combinations for some of the post-expansion industries, namely in the health care sector. This will enable the SAS to provide important source of funding data to the Centers for Medicare and Medicaid studies for these industries that otherwise would not have been available.

#### **4.0 Conclusion and Next Steps**

The 2012 Business Sample Revision (BSR-12) was the first sample revision that considered the inclusion of industry-by-product combinations in the design of a SAS sample. Industry-by-product combinations were considered in the sample design with the goal of achieving an acceptable level of quality for the industry-by-product estimates that will be produced by the 2011 SAS and for subsequent years. A carefully planned and implemented three-phase approach produced an outcome that maximized the usefulness of SAS data for BEA, while maintaining sustainable workload and resource levels.

The next steps will be to evaluate the results of the 2011 SAS, the first survey year of the new sample including the new industry-by-product combinations, to be released in January 2013. For the post-expansion industries, we will need to determine if we can ultimately provide the industry-by-product combinations at lower NAICS levels. We also will make necessary adjustments to future survey inquiries based on ongoing BEA needs, reporting issues, consistency with the Economic Census products, and sample size and reporting burden considerations. Further, looking ahead a few years, we will need to conduct research on how best to incorporate data collected from the 2012 Economic Census into future sample designs.



**Attachment A. Pre-Expansion and Post-Expansion Service Industries in the Service Annual Survey**

Pre-expansion NAICS	Post-expansion NAICS
484 Truck transportation	221 Utilities
492 Couriers and messengers	481 Air Transportation
493 Warehousing and storage	483 Water Transportation
511 Publishing industries (except Internet)	484 Truck transportation
512 Motion picture and sound recording industries	485 Transit and Ground Passenger Transportation
515 Broadcasting (except Internet)	486 Pipeline transportation
516 Internet publishing and broadcasting	487 Scenic and sightseeing transportation
517 Telecommunications	488 Support activities for transportation
518 Internet service providers, web search portals, and data processing services	492 Couriers and messengers
519 Other information services	493 Warehousing and storage
523 Securities, commodity contracts, and other financial investment activities	512 Motion picture and sound recording industries
532 Rental and leasing services	515 Broadcasting (except Internet)
541 Professional, Scientific, and Technical Services	516 Internet publishing and broadcasting
561 Administrative and support services	517 Telecommunications
562 Waste management and remediation services	518 Internet service providers, web search portals, and data processing services
621 Ambulatory health care services	519 Other information services
622 Hospitals	521 Monetary authorities-central banks
623 Nursing and residential care facilities	522 Credit intermediation and related activities
624 Social assistance	523 Securities, commodity contracts, and other financial investment activities
711 Performing arts, spectator sports, and related industries	524 Insurance carriers and related activities
712 Museums, historical sites, and similar institutions	611 Educational Services
713 Amusement, gambling, and recreation industries	621 Ambulatory health care services
811 Repair and maintenance	622 Hospitals
812 Personal and laundry services	623 Nursing and residential care facilities
813 Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)	624 Social assistance
	711 Performing arts, spectator sports, and related industries
	712 Museums, historical sites, and similar institutions
	713 Amusement, gambling, and recreation industries
	811 Repair and maintenance

Pre-expansion NAICS	Post-expansion NAICS
	812 Personal and laundry services
	813 Religious, grantmaking, civic, professional, and similar organizations (except religious, labor, and political organizations)
<b>30% of GDP</b>	<b>25% of GDP</b>

**Total of Pre-expansion NAICS (30% of GDP) and Post-expansion NAICS (25% of GDP) = 55% of GDP**

## Attachment B. Industry-by-Product Combinations Identified During Phase 1

### PRODUCTS/SPECIAL INQUIRIES INCLUDED IN SAMPLING (INDUSTRIES WITH EXISTING PRODUCTS)

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
484	5061	Motor Carrier Revenue			C
484	5070	Agricultural Products			C
484	5071	Grains, Alcohol, Tobacco Prod.			C
484	5072	Stone, Nonmet Mineral, Met Ores			C
484	5073	Coal and Petroleum Products			C
484	5074	Pharmaceutical and Chem Prod.			C
484	5075	Wood Prod, Textiles, Leather			C
484	5076	Base Metal and Machinery			C
484	5077	Electronic/Precision Inst, Mot Vehic			C
484	5078	Used Household and Office Goods			C
484	5079	New Furniture, Misc Mnfd Prod			C
484	5080	Other Commodities Hauled			C
484	5081	Hazardous Materials			C
51111	6061+6063	Subscription and Sales			C
51111	6062+6064	Advertising Space			C
51111	6001	Printing Services			C
51111	6002	Distribution Services			C
51111	6065	Print Revenue			C
51111	6066	Online Revenue	X		TBD
51111	6067	Other Revenue Sources			C
51111	6068	Classified Ad Revenue			C
51111	6069	Other Ad Revenue			C
51112	608(1+3+5)	Subscription and Sales			C
51112	608(2+4+6)	Advertising Space			C
51112	6001	Printing Services			C
51112	6087	Licensing of Rights to Content			C
51112	6088	Print Revenue			C
51112	6089	Online Revenue			C
51112	6090	Other Revenue Sources			C
51113	6101	Textbooks			C
51113	6102	Children's Books			C
51113	6103	General Reference Books	X		TBD
51113	6104	Professional, Tech., Scholarly Books			C
51113	6105	Adult Trade Books			C
51113	6106	Print Revenue			C
51113	6107	Online Revenue			C
51113	6108	Other Revenue Sources			C
51114	6131+6133	Subscription and Sales			C
51114	6132+6134	Advertising Space			C
51114	6135	Rental or sale of mailing lists		Added back into list per BEA request	TBD
51114	6136	Print Revenue			C

TBD = To Be Determined

Attachment B

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
51114	6137	Online Revenue			C
51114	6138	Other Revenue Sources			C
51114	1799	Other Revenue			C
511191	6141	Greeting Cards			C
511199	6151	Advertising Space			C
51121	6161	Operating Systems Software			C
51121	6162	Network Software			C
51121	6163	Database Management Software			C
51121	6164	Development Tools/Prog Languages			C
51121	6165	Other Systems Software			C
51121	6166	General Bus. Prod/Home Use Apps			C
51121	6167	Cross-Industry Application Software			C
51121	6168	Vertical Market Application Software			C
51121	6169	Utilities Application Software			C
51121	6170	Other Application Software			C
51121	6171	Custom Application Design/Develop.			C
51121	6004	IT Technical Consulting Services			C
51121	6005	Application Service Provisioning	X		TBD
51121	6006	Re-sale of Compute Hard/Software			C
51121	6007	IT Related Training Services			C
51121	6172	Sys Software-Personal Computer		Added back into list per BEA request	C
51121	6173	Sys Software-Enterprise/Network		Added back into list per BEA request	C
51121	6174	Sys Software-Mainframe		Added back into list per BEA request	C
51121	6175	Sys Software-Other		Added back into list per BEA request	C
51121	6176	App Software-Personal Computer		Added back into list per BEA request	C
51121	6177	App Software-Enterprise/Network		Added back into list per BEA request	C
51121	6178	App Software-Mainframe		Added back into list per BEA request	C
51121	6179	App Software-Other		Added back into list per BEA request	C
5121X	6191	Domestic Lic. Film Rights		5121X=51211+51212	C
5121X	6192	Domestic Lic. Television Rights		5121X=51211+51212	C
5121X	6193	International Lic. Film Rights		5121X=51211+51212	C
5121X	6194	International Lic. Television Rights		5121X=51211+51212	C
5121X	6195	Outright Sale of AV Works	X	5121X=51211+51212	TBD
5121X	6196	Contract Production of AV Works	X	5121X=51211+51212	C
5121X	6197	Domestic Lic. Other AV Rights		5121X=51211+51212	C
5121X	6198	International Lic. Other AV Rights		5121X=51211+51212	C
5121X	6199	AV Sale-Wholesale/Rental/Resale		5121X=51211+51212	C
5121X	6200	Other Production Services	X	5121X=51211+51212	C
5121X	6201	Merchandise Licensing		5121X=51211+51212	C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
51213	6211+6212	Admissions to Film Exhibitions		Used variable 7116=6211+6212 for calculations	C
51213	6213	Food and Beverage Sales			C
51213	6215	Advertising Services			C
51213	6216	Coin-Operated Games and Rides			C
51219	6221	Postproduction Serv. for AV Works			C
51219	6222	Motion Picture Film Lab Services	X		C
51219	6223	Duplication and Copying Services			TBD
51222	6008	Lic. Of Rights to Musical Comp.			C
51222	6009	Lic. Of Rights to Musical Record.			C
51222	6010	Sales of Recordings			C
51223	6008	Lic. Of Rights to Musical Comp.			C
51223	6009	Lic. Of Rights to Musical Record.	X		C
51223	6231	Admin. of Copyrights of Others	X		TBD
51223	6010	Sales of Recordings	X		C
51223	6232	Print Music			C
51224	6241	Studio Recording			C
51224	6242	Sound Rec. Studio Rental/Leasing			C
515111	6251+6252	National/Regional/Local Air Time		Used variable 7120=6251+6252 for calculations	C
515111	6254	Public and Non-Commercial Prog.			C
515112	6251+6252	National/Regional/Local Air Time		Used variable 7120=6251+6252 for calculations	C
515112	6254	Public and Non-Commercial Prog.	X		TBD
51512	6251+6252	National/Regional/Local Air Time		Used variable 7120=6251+6252 for calculations	C
51512	6254	Public and Non-Commercial Prog.	X		TBD
51521	6261	Lic. Rights B'cast Copyrighted Prog.			C
51521	6012	Air Time			C
51711	6015	Fixed Local Telephony			C
51711	6016	Fixed Long Distance Telephony			C
51711	6281	Fixed All Distance Telephony			C
51711	6017	Carrier Services			C
51711	6018	Private Network Services			C
51711	6282	Subscriber Line Charges	X		C
51711	6019	Internet Access Services			C
51711	6020	Internet Telephony			C
51711	6021	Telecom Network Installation Serv.			C
51711	6325	Install. Serv. Prog. Dist. Networks			C
51711	6022	Resale of Telecom Equipment			C
51711	6023	Rental of Telecom Equipment	X		TBD
51711	6324	Rental/Resale Prog. Dist. Networks			C
51711	6024	Repair/Maintenance Telecom Equip.			C
51711	6014	Online Advertising Space			C
51711	6321	Basic Programming Package			C
51711	6322	Premium Programming Package			C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
51711	6323	Pay-per-View			C
51711	6012	Air Time			C
51711	6031	Web Site Hosting Services	X		C
51711	6283+6284	Fixed Local Telephony-Bus.+Gov			C
51711	6285	Fixed Local Telephony-Household			C
51711	6286+6287	Fixed Long Distance-Bus.+Gov			C
51711	6288	Fixed Long Distance-Household			C
51711	6289+6290	Subscriber Line-Bus.+Gov	X		C
51711	6291	Subscriber Line-Household	X		C
51711	1761+1762	Business+Government Revenue		Keycodes will be changed to breakout class of customer for cable revenue	C
51711	1763	Household Revenue			C
51721	6019	Internet Access Services			C
51721	6021	Install. Serv. Telecom Networks	X		TBD
51721	6022	Resale of Telecom Equipment			C
51721	6023	Rental of Telecom Equipment	X		C
51721	6024	Repair/Maintenance Telecom Equip.			C
51721	6027	Mobile Telephony			C
51721	6301	Messaging Services	X		C
51721	6311	Mobile Long Distance	X		C
51721	6312	Mobile All Distance			C
51721	1761+1762	Business+Government Revenue	X		C
51721	1763	Household Revenue	X		C
51741	6017	Carrier Services			C
51741	6018	Private Network Services			C
517911	6015	Fixed Local			C
517911	6027	Mobile Telephony			C
517911	1761+1762	Business+Government Revenue			C
517911	1763	Household Revenue			C
51821	7132	Data Proc, IT Infra Provis, Hosting		7132=6033+6034+6004+6031+6363	C
51821	6032	IT Design/Development Services			C
51821	6035	IT Technical Support Services			C
51821	6005	IT Technical Consulting Services			C
51821	6365	Information and Document Transform.	X		C
51821	6036	Software Publishing			C
51821	6006	Resale of Computer Hard/Software	X		C
51911	6371	Lic. Rights Synd. Media Content			C
51912	1741	Contributions/Gifts/Grants Received			C
51912	1742	Investment and Property Income			C
51912	1798	Program Service and Other Revenue			C
51913	6014	Online Advertising Space			C
51913	6271	Publish/Broadcast of Internet Content			C
51913	6272	Lic. of Rights to Use Intellec. Prop.			C
51913	1761+1762	Business+Government Revenue			C
51913	1763	Household Revenue			C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
51919	6391	Info. Search/Retrieval Services	X		TBD
5231Y	2161	Securities Origination Products		5231Y=52311+52312	C
5231Y	2162	Brokering/Dealing-Debt Instruments		5231Y=52311+52312	C
5231Y	2101	Brokering/Dealing-Equities		5231Y=52311+52312	C
5231Y	2102	Brokering/Dealing-Deriv. Contracts		5231Y=52311+52312	C
5231Y	2163	Brokering/Dealing-Comp. Securities		5231Y=52311+52312	C
5231Y	2164	Repurchase Agreements	X	5231Y=52311+52312	C
5231Y	2165	Trading Debt Inst. on Own Account		5231Y=52311+52312	C
5231Y	2166	Trading Equities on Own Account		5231Y=52311+52312	C
5231Y	2103	Trading Deriv. on Own Account	X	5231Y=52311+52312	C
5231Y	2104	Financial Planning-Individuals		5231Y=52311+52312	C
5231Y	2105+2106	Financial Planning-Bus.+Gov		5231Y=52311+52312	C
5231Y	2107	B/D Equities-Fees+Commissions		5231Y=52311+52312	C
5231Y	2108	B/D Equities-Interest Income		5231Y=52311+52312	C
5231Y	2109	B/D Equities-Net Gains Trad Accts		5231Y=52311+52312	C
5231X	2101	Brokering/Dealing-Equities		5231X=52313+52314	C
5231X	2102	Brokering/Dealing-Deriv. Contracts		5231X=52313+52314	C
5231X	6401	Brokering/Dealing-Foreign Curr Fees		5231X=52313+52314	C
5231X	6402	Brokering/Dealing-Other Inst.		5231X=52313+52314	C
5231X	2103	Trading Deriv. on Own Account		5231X=52313+52314	C
5231X	6403	Trading Foreign Curr on Own Acct.		5231X=52313+52314	C
5231X	6404	Management Market Clearing Prod		5231X=52313+52314	C
5231X	2107	B/D Equities-Fees+Commissions		5231X=52313+52314	C
5231X	2108	B/D Equities-Interest Income		5231X=52313+52314	C
5231X	2109	B/D Equities-Net Gains Trad Accts		5231X=52313+52314	C
5239X	2104	Financial Planning-Individuals		5239X=52392+52393	C
5239X	2105+2106	Financial Planning-Bus.+Gov		5239X=52392+52393	C
5239X	2101	Brokering/Dealing-Equities		5239X=52392+52393	C
5239X	6411	Trust Products		5239X=52392+52393	C
5239X	2107	B/D Equities-Fees+Commissions		5239X=52392+52393	C
5239X	2108	B/D Equities-Interest Income		5239X=52392+52393	C
5239X	2109	B/D Equities-Net Gains Trad Accts	X	5239X=52392+52393	C
532111	1761+1762	Business+Government Revenue			C
532111	1763	Household Revenue			C
5411E	1741	Contributions/Gifts/Grants Received			C
5411E	1742	Investment and Property Income			C
5411E	1798	Program Service and Other Revenue			C
5411E	1761+1762	Business+Government Revenue			C
5411E	1763	Household Revenue			C
5411T	1761+1762	Business+Government Revenue			C
5411T	1763	Household Revenue			C
5412	3391	Assurance and Related Services		3391=3061+3062+3063	C
5412	3064	General Accounting Services			C
5412	3065	Bookkeeping and Compilation Serv.	X		C
5412	3066	Payroll Services			C
5412	3067	Tax Planning and Consulting Serv.			C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
5412	3068	Tax Prep and Rep for Individ.			C
5412	3069	Tax Prep and Rep for Corp Clients			C
5412	3070	Computerized Accounting Sys Serv.	X		TBD
5412	3071	Management Consulting Services			C
54131	3081	Single Family Residential Projects	X		TBD
54131	3082	Multi Family Residential Projects	X		C
54131	3094	Landscape Architectural Services	X		C
54131	3095	Interior Design Services			C
54133	3111	Residential Engineering Projects	X		TBD
54133	3112	Commerc./Public/Inst. Engineer. Proj.			C
54133	3113	Indust./Manuf. Engineering Projects			C
54133	3114	Trans. Infrastruct. Engineering Proj.			C
54133	3115	Municipal Utility Engineering Projects			C
54133	3116	Power Gen/Dist Engineering Projects	X		C
54133	3117	Telecom/Broadcast Engineering Proj	X		C
54133	3118	Hazard/Indust. Waste Engineer. Proj.			C
54133	3119	Other Engineering Projects			C
54133	3121	Construction Services			C
54133	3120+3122	Engineering Advisory and Drafting	X		C
54133	3123	Surveying and Mapping Services	X		C
5415	3131	Custom Application Design/Develop.			C
5415	3132	Custom Systems Design/Dev/Integ.			C
5415	3133	Network Design and Development			C
5415	3134	IT Infrastructure, Network Manage.			C
5415	3135	IT Technical Support Services			C
5415	3136	IT Technical Consulting Services			C
5415	3137	IT Related Training Services			C
5415	3138	Hosting/IT Infrastructure Provisioning			C
5415	3139	Rental/Leasing of Comp. Hardware			C
54161	3161	Strategic Manage. Consulting/Implem.			C
54161	3162	Financial Manage. Consulting/Implem.			C
54161	3163	Marketing Manage. Consulting/Imple.			C
54161	3164	HR Management Consulting/Implem.			C
54161	3165	Operatings/Supply Chain Manage. C/I			C
54161	3166	Actuarial Consulting			C
54161	3167	IT Technical Design/Cons./Develop.			C
54161	3168	All Other Consulting Revenue			C
5417E	3201+3202	Research in Natural Sci (Except Bio)		Used variable 3425=3201+3202 for calculations	C
5417E	3203	Research in Engineering/Technology			C
5417E	3204+3205	Research in Bio/Biomed		Used variable 3426=3204+3205 for calculations	C
5417E	3206	Research in Soc Sci/Humanities			C
5417E	3207	Production Services for Development	X		C
5417E	3208	Licensing of Rights to Use Int. Prop.	X		TBD
5417E	3209	Original Works of Int. Property	X		C



NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
5417E	1741	Contributions/Gifts/Grants Received			C
5417E	1742	Investment and Property Income			C
5417E	1809	Other Non-Operating Revenue			C
5417T	3201+3202	Research in Natural Sci (Except Bio)		Used variable 3425=3201+3202 for calculations	C
5417T	3203	Research in Engineering/Technology			C
5417T	3204+3205	Research in Bio/Biomed		Used variable 3426=3204+3205 for calculations	C
5417T	3206	Research in Soc Sci/Humanities			C
5417T	3207	Production Services for Development			C
5417T	3208	Licensing of Rights to Use Int. Prop.	X		C
5417T	3209	Original Works of Int. Property	X		TBD
54181	3223	Media Buying			C
54181	3225	Direct Marketing	X		TBD
54181	3226	Marketing Research			C
54181	3227	Other Advertising Services			C
54182	3231	Media Relations			C
54182	3235	Media Monitoring and Analysis	X		C
54186	3255	Letter Shop Services			C
56131	3263	Temporary Staffing Services			C
56131	3264	Long-Term Staffing	X		TBD
56132	3263	Temporary Staffing Services			C
56132	3264	Long-Term Staffing			C
56133	Sum	Payroll, Payroll+Benefit, Payroll+HR		This variable equals 3273+3274+3275+3276	C
56133	3277	Other Operating Revenue			C
5615X	3281	Commissions: Domestic Airline Seats		5615X=56151+561599	C
5615X	3282	Commissions: International Airline Seats		5615X=56151+561599	C
5615X	3285	Commissions: Cruises	X	5615X=56151+561599	TBD
5615X	3286	Commissions: Lodging		5615X=56151+561599	C
5615X	3287	Commissions: Event Tickets		5615X=56151+561599	C
5615X	3288	Commissions: Comp. Reservations		5615X=56151+561599	C
5615X	3289	Commissions: Packaged Tours		5615X=56151+561599	C
5615X	3290	Commissions: Other Reservations Serv.	X	5615X=56151+561599	C
5615X	3291	Commissions: Trip Planning		5615X=56151+561599	C
5615X	3294	Commissions: Travel Arrangement		5615X=56151+561599	C
5615X	3295	Business Revenue		5615X=56151+561599	C
5615X	3296	Leisure Revenue		5615X=56151+561599	C
5615X	3293	Commissions or fees from automobile clubs and road and travel service.			C
56152	3301	Domestic Pre-packaged Tours			C
56152	3302	International Pre-packaged Tours			C
56152	3303	Domestic Customized Tours			C
56152	3304	International Customized Tours			C
56152	3306	Business Revenue			C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
56152	3307	Leisure Revenue			C
5621	3321+3322	Res. Nonhaz Waste/Recyc Collect.		Used variable 3401=3321+3322 for calculations	C
5621	3402	Non-res Nonhaz Waste/Recyc Coll.		3402=3323+3324+3325+3326	C
5621	3327+3328	Hazardous Waste Collection		Used variable 3402=3327+3328 for calculations	C
5622	3404	Nonhazardous Waste Disposal		3404=3341+3342+3343	C
5622	3405	Hazardous Waste Treatment Disposal		3405=3344+3345+3346+3347+3348	C
5622	1799	Other Revenue			C
5629X	3361+3362	Nonhaz Waste, Recyc Mat Stor, etc.	X	5629X=56292+56299; Used variable 3407=3361+3362 for calculations	C
5629X	3363	Sale of Nonhaz Recyclable Material	X	5629X=56292+56299	TBD
62141E	1741	Contributions/Gifts/Grants Received			C
62141E	1742	Investment and Property Income			C
62141E	1809	Other Non-Operating Revenue			C
62142E	1741	Contributions/Gifts/Grants Received			C
62142E	1742	Investment and Property Income			C
62142E	1809	Other Non-Operating Revenue			C
62149E	1741	Contributions/Gifts/Grants Received			C
62149E	1742	Investment and Property Income			C
62149E	1809	Other Non-Operating Revenue			C
62161E	new	Non-Operating Revenue		1742+1741+1809 - Products combined per August 3, 2010 meeting.	C
62191E	new	Non-Operating Revenue		1742+1741+1809 - Products combined per August 3, 2010 meeting.	C
62199E	1741	Contributions/Gifts/Grants Received			C
62199E	1742	Investment and Property Income			C
62199E	1809	Other Non-Operating Revenue			C
62211EG	new	Non-Operating Revenue		1742+1741+1809 - Products combined per August 3, 2010 meeting.	C
62211EP	1741	Contributions/Gifts/Grants Received			C
62211EP	1742	Investment and Property Income			C
62211EP	1809	Other Non-Operating Revenue			C
62221EG	new	Non-Operating Revenue		1742+1741+1809 - Products combined per August 3, 2010 meeting.	C
62221EP	1741	Contributions/Gifts/Grants Received			C
62221EP	1742	Investment and Property Income			C
62221EP	1809	Other Non-Operating Revenue			C
62231EP	1741	Contributions/Gifts/Grants Received			C
62231EP	1742	Investment and Property Income			C
62231EP	1809	Other Non-Operating Revenue			C
62311E	1741	Contributions/Gifts/Grants Received			C
62311E	1742	Investment and Property Income			C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
62311E	1809	Other Non-Operating Revenue			C
62321E	new	Non-Operating Revenue		1742+1741+1809 - Products combined per August 3, 2010 meeting.	C
62322E	new	Non-Operating Revenue		1742+1741+1809 - Products combined per August 3, 2010 meeting.	C
62331E	1741	Contributions/Gifts/Grants Received			C
62331E	1742	Investment and Property Income			C
62331E	1809	Other Non-Operating Revenue			C
62399E	1741	Contributions/Gifts/Grants Received			C
62399E	1742	Investment and Property Income	X		C
62399E	1809	Other Non-Operating Revenue			C
62411E	1741	Contributions/Gifts/Grants Received			C
62411E	1742	Investment and Property Income			C
62412E	1741	Contributions/Gifts/Grants Received			C
62412E	1742	Investment and Property Income			C
62419E	1741	Contributions/Gifts/Grants Received			C
62421E	new	Non-Operating Revenue		1742+1741+1798 - Products combined per August 3, 2010 meeting.	C
62422E	1741	Contributions/Gifts/Grants Received			C
62422E	1742	Investment and Property Income			C
62423E	1741	Contributions/Gifts/Grants Received			C
62423E	1742	Investment and Property Income			C
62431E	1741	Contributions/Gifts/Grants Received			C
62431E	1742	Investment and Property Income			C
62441E	new	Non-Operating Revenue		1742+1741+1798 - Products combined per August 3, 2010 meeting.	C
7111E	1741	Contributions/Gifts/Grants Received			C
7111E	1742	Investment and Property Income			C
7111E	1809	Other Non-Operating Revenue			C
7111T	3002	Admissions Revenue			C
711211T	3002	Admissions Revenue			C
711212T	3002	Admissions Revenue			C
711219T	3002	Admissions Revenue	X		C
7121E	1741	Contributions/Gifts/Grants Received			C
7121E	1742	Investment and Property Income			C
71311T	3002	Admissions Revenue			C
7139E	new	Non-Operating Revenue		1742+1741+1798 - Products combined per August 3, 2010 meeting.	C
8132E	1741	Contributions/Gifts/Grants Received			C
8132E	1742	Investment and Property Income			C
8133E	1741	Contributions/Gifts/Grants Received			C
8133E	1742	Investment and Property Income			C

NAICS Level (2007 basis)	Product/ Special Inquiry	Name	Products that require additional sampling units	Notes	Collect (C) or TBD
8134E	1741	Contributions/Gifts/Grants Received			C
8134E	1742	Investment and Property Income	X		C
8139E	1741	Contributions/Gifts/Grants Received			C
8139E	1742	Investment and Property Income			C
NOTE: 1799 'All other', Source of Funding for sector 62, and Inventories for 484, 5111, 5112, and 512 are not listed, but will be included on forms.					

## Attachment C. Industry-by-Product Combinations that were Designated to be Dropped

### PRODUCTS/SPECIAL INQUIRIES DROPPED STARTING 2012 (INDUSTRIES WITH EXISTING PRODUCTS)

NAICS Level (2007 basis)	Product/Special Inquiry	Name	Notes	Response to BEA's request to add back in
484	5065/66/67	Distance Traveled	Deleted by BEA - word doc	
484	5068/5069	Revenue from Truckload and Less than Truckload	Deleted by BEA - word doc	
484	5063/5064	Revenue from Local and Long Distance Hauling	Deleted by BEA - word doc	
484	5082-8087	Revenue by Country of Origin and Destination of Shipments	Deleted by BEA - word doc	
49	new	Source of Total Revenue	Deleted per 1/20/2010 BEA/Census meeting	
49	new	Residential	Deleted per 1/20/2010 BEA/Census meeting	
49	new	Non-Residential	Deleted per 1/20/2010 BEA/Census meeting	
51114	6135	Rental or sale of mailing lists	Deleted by BEA - not submitted	Added per BEA request
5112		System software	Deleted by BEA - not submitted	Added per BEA request
5112	6172	Personal computer software	Deleted by BEA - not submitted	Added per BEA request
5112	6173	Enterprise or network software	Deleted by BEA - not submitted	Added per BEA request
5112	6174	Maintain computer software	Deleted by BEA - not submitted	Added per BEA request
5112	6175	Other software	Deleted by BEA - not submitted	Added per BEA request
5112		Application software	Deleted by BEA - not submitted	Added per BEA request
5112	6176	Personal computer software	Deleted by BEA - not submitted	Added per BEA request
5112	6177	Enterprise or network software	Deleted by BEA - not submitted	Added per BEA request
5112	6178	Maintain computer software	Deleted by BEA - not submitted	Added per BEA request
5112	6179	Other software	Deleted by BEA - not submitted	Added per BEA request
51213	6214	Rental of retail space	Deleted per 1/20/2010 BEA/Census meeting	
5151	6253	Network compensation	Deleted by BEA - word doc	
5171		Fixed Long-Distance Telephony (from wired 5171)	Deleted by BEA - word doc	
5171	6292	Intrastate	Deleted by BEA - word doc	
5171	6293	Interstate	Deleted by BEA - word doc	
5171	6294	International	Deleted by BEA - word doc	
5171	6016	Fixed long-distance telephony (from cable 5175)	Deleted per 1/20/2010 BEA/Census meeting	
5171	6014	Online advertising space (from 518111 Internet service provider)	Deleted by BEA 6/29 email file.	
5171	6032	Information technology design and development services (from 518111 Internet service provider)	Deleted per 1/20/2010 BEA/Census meeting	
5171		Source of Internet Access Revenue (from 5181 Internet service provider)	Deleted per 1/20/2010 BEA/Census meeting	
5171	6342	Government	Deleted per 1/20/2010 BEA/Census meeting	

NAICS Level (2007 basis)	Product/Special Inquiry	Name	Notes	Response to BEA's request to add back in
5171	6343	Business firms and not-for-profit Organizations	Deleted per 1/20/2010 BEA/Census meeting	
5171	6344	Household consumers and individual Users	Deleted per 1/20/2010 BEA/Census meeting	
51721	6313	Other mobile services	Deleted by BEA 6/29 email file.	
51721		Source of Total Mobile Service Revenue		
51721	6028	Government	Deleted per 1/20/2010 BEA/Census meeting	
51721	6029	Business firms and not-for-profit Organizations	Deleted per 1/20/2010 BEA/Census meeting	
51721	6030	Household consumers and individual users	Deleted per 1/20/2010 BEA/Census meeting	
5173	6016	Fixed long-distance	Deleted per 1/20/2010 BEA/Census meeting	
5173	6017	Carrier services	Deleted by BEA 6/29 email file.	
51913	6351	Information search services on a contract or fee basis (from 518112 web portal)	Deleted by BEA 6/29 email file.	
51913	6031	Website hosting services (from 518112 web portal)	Deleted by BEA 6/29 email file.	
51919	6392	Information services	Deleted by BEA - word doc	
51919	6393	Media monitoring and analysis	Deleted by BEA - word doc	
51919	6394	Advertising	Deleted by BEA - word doc	
54131		Non-Residential Building Projects	Deleted by BEA - word doc	
54131	3083	Office building projects	Deleted by BEA - word doc	
54131	3084	Retail and restaurant building projects	Deleted by BEA - word doc	
54131	3085	Hotel and convention center building Projects	Deleted by BEA - word doc	
54131	3086	Health care building projects	Deleted by BEA - word doc	
54131	3087	Entertainment and recreational building projects	Deleted by BEA - word doc	
54131	3088	Educational building projects	Deleted by BEA - word doc	
54131	3089	Industrial building projects	Deleted by BEA - word doc	
54131	3090	Transportation building projects	Deleted by BEA - word doc	
54131		Other Services	Deleted by BEA - word doc	
54131	3091	Other nonresidential building Projects	Deleted by BEA - word doc	
54131	3092	Historical restoration projects	Deleted by BEA - word doc	
54131	3093	Architectural advisory services	Deleted by BEA - word doc	
54161	3169	Pure consulting (without implementation)	Deleted by BEA - word doc	
54161	3170	Consulting with Implementation	Deleted by BEA - word doc	
54162		Environmental Consulting Services	Deleted by BEA - word doc	
54162	3181	Environmental assessment consulting, and consulting combined with implementation	Deleted by BEA - word doc	

NAICS Level (2007 basis)	Product/Special Inquiry	Name	Notes	Response to BEA's request to add back in
54162	3182	Natural resource management consulting, and consulting combined with implementation	Deleted by BEA - word doc	
54162	3183	Waste management consulting, and consulting combined implementation	Deleted by BEA - word doc	
54162	3184	Environmental policy development consulting, and consulting combined with implementation	Deleted by BEA - word doc	
54162	3185	Environmental audits consulting, and consulting combined with implementation	Deleted by BEA - word doc	
54162	3186	Site remediation planning consulting, and consulting combined with implementation	Deleted by BEA - word doc	
54162	3187	Evaluation of environmental studies consulting, and consulting combined with implementation	Deleted by BEA - word doc	
54162		Source of Environmental Consulting Revenue	Deleted by BEA - word doc	
54162	3189	Pure consulting (without implementation)	Deleted by BEA - word doc	
54162	3190	Consulting and implementation	Deleted by BEA - word doc	
54181	3221	Integrated advertising services	Deleted by BEA - word doc	
54181	3222	Advertising creative services (Including graphic design services)	Deleted by BEA - word doc	
54181	3001	Full public relations services	Deleted by BEA - word doc	
54181	3224	Sales promotion	Deleted by BEA - word doc	
54182	3001	Full public relations services	Deleted by BEA - word doc	
54182	3232	Crisis management	Deleted by BEA - word doc	
54182	3233	Lobbying	Deleted by BEA - word doc	
54182	3234	Event management	Deleted by BEA - word doc	
54183	3371	Media planning and/or buying Services	Deleted by BEA - word doc	
54184	3385	Sales agent services	Deleted by BEA - word doc	
54185	3241	Large format	Deleted by BEA - word doc	
54185	3242	Transit	Deleted by BEA - word doc	
54185	3243	Street furniture and other urban fixtures	Deleted by BEA - word doc	
54185	3244	Other leased display advertising	Deleted by BEA - word doc	
54186	3251	Full direct mail services	Deleted by BEA - word doc	
54186	3252	Concept development for a direct mail advertising campaign	Deleted by BEA - word doc	
54186	3253	Mail list creation and support Services	Deleted by BEA - word doc	
54186	3254	Print services for direct mail advertising materials	Deleted by BEA - word doc	
54186	3256	Fulfillment services	Deleted by BEA - word doc	
54186	3257	Other direct mail advertising services	Deleted by BEA - word doc	

NAICS Level (2007 basis)	Product/Special Inquiry	Name	Notes	Response to BEA's request to add back in
5613	3261	Placement of individual as permanent employees	Deleted by BEA - word doc	
5613	3262	Placement of individuals as independent contractors	Deleted by BEA - word doc	
5613	3265	Temporary staffing-to-permanent Placement	Deleted per 1/20/2010 BEA/Census meeting	
56151*, 561599	3293	Commissions or fees from automobile clubs and road and travel service.	Deleted by BEA - not submitted	Added per BEA request
56291		Remediation Services	Deleted by BEA - word doc	
56291	3351	Site remediation services	Deleted by BEA - word doc	
56291	3352	Building remediation services – Asbestos contamination	Deleted by BEA - word doc	
56291	3353	Building remediation services – Other contaminations	Deleted by BEA - word doc	
56291	3354	Environmental emergency response services	Deleted by BEA - word doc	
56291	3355	Other remediation services	Deleted by BEA - word doc	
7112	1741	Tax exempt contributions, gifts, grants received	Deleted per 1/20/2010 BEA/Census meeting	
7112	1742	Tax-exempt Investment income	Deleted per 1/20/2010 BEA/Census meeting	
7113	1741	Tax exempt contributions, gifts, grants received	Deleted per 1/20/2010 BEA/Census meeting	Not added
7113	1742	Tax-exempt Investment income	Deleted per 1/20/2010 BEA/Census meeting	Not added



**Attachment D. Industry-by-Product Combinations that Could Be Added for Post-Expansion Industries Without Requiring Additional Sampling Units**

June 16, 2009

August 2, 2010

Blue = Request from the National Income and Wealth Division

Violet = Request from the Industry Directorate

NAICS	Requested by BEA Description/Product/Inquiry	What will be included in BSR12
2211*	Electric Power Generation, Transmission and Distribution  Sales of energy and resources a. Electricity - generation and distribution b. Natural gas distribution to final consumer c. Water d. Other revenue from sales of energy and resources Sewer system user charges All other operating revenue  <i>Also a class of customer breakout of total revenue: (Residential vs. Non-residential customers)</i>	Provide to BEA/publish all requested products at 4 digit - NAICS 2211              Provide to BEA/publish at 4 digit - NAICS 2211
2212	Natural Gas Distribution  Sales of energy and resources a. Natural gas distribution to final consumer b. Electricity - generation and distribution c. Water d. Other revenue from sales of energy and resources Sewer system user charges All other operating revenue  <i>Also a class of customer breakout of total revenue: (Residential vs. Non-residential customers)</i>	Provide to BEA/publish all requested products at 4 digit - NAICS 2212              Provide to BEA/publish at 4 digit - NAICS 2212
2213*	Water, Sewage, and Other Systems  Water sales Sewer system user charges All other operating revenue  <i>Also a class of customer breakout of total revenue: (Residential vs. Non-residential customers)</i>	Provide to BEA/publish all requested products at 4 digit - NAICS 2213              BEA requested at the 8/3/10 meeting that a class of customer of residential & nonresidential be added to the SAS form for NAICS 2213. 8/13/10 - Census will be able to provide this inquiry at the 4 digit - 2213.

48111*	Scheduled Passenger Air Transportation	Provide to BEA/publish all requested products at 5 digit - NAICS 48111
	Domestic, scheduled passenger transportation by air	
	Domestic, non-scheduled passenger transportation by air	
	International, scheduled passenger transportation by air	
	International, non-scheduled passenger transportation by air	
	<b>Domestic, scheduled freight transportation by air</b>	
	<b>International, scheduled freight transportation by air</b>	
	All other operating revenue	
	<i>Also a class of customer breakout of total revenue: (Non-business vs. Business travel) -- If possible</i>	Will not be separately collected or published. Based upon phone calls to predominate companies in this industry, companies cannot report these data or are unwilling to provide these data. BEA requested at the 8/3/10 meeting that Census determine if the class of customer on the Economic Census form could be added to the SAS. No class of customer inquiry exists on the Economic Census form for this NAICS.
48121*	Nonscheduled Air Transportation	Provide to BEA/publish all requested products at 5 digit - NAICS 48121
	Domestic, non-scheduled passenger transportation by air	
	International, non-scheduled passenger transportation by air	
	Domestic, scheduled passenger transportation by air	
	International, scheduled passenger transportation by air	
	<b>Domestic, non-scheduled transportation of general freight, by air</b>	
	<b>International, non-scheduled transportation of general freight, by air</b>	
	All other operating revenue	
	<i>Also a class of customer breakout of total revenue: (Non-business vs. Business travel) -- If possible</i>	Will not be separately collected or published. Based upon phone calls to predominate companies in this industry, companies cannot report these data or are unwilling to provide these data. BEA requested at the 8/3/10 meeting that Census determine if the class of customer on the Economic Census form could be added to the SAS. No class of customer inquiry exists on the Economic Census form for this NAICS.
483*	Water Transportation	Provide to BEA/publish all requested products at 3 digit - NAICS 483
	<b>Transportation of freight and cargo by water</b> (see footnote 1 below) <sup>1</sup>	
	<b>Towing Services by water</b>	
	<b>Tugboat Services</b>	
	Passenger transportation by water	
	a. Coastal, fixed-route, passenger transportation by water	
	b. Other transportation of passengers by water	
	Cruises	
	Participatory recreational services by water craft, except overnight cruises with cabin accommodation	
	Sightseeing by water	
	All other operating revenue	

<sup>1</sup> Refers to the 2007 TW-48360 form lines 1 - 12.

485*	Transit and Ground Transportation	Provide to BEA/publish all requested products at 3 digit - NAICS 485
	Long-distance, fixed-route passenger transportation by road	
	Local, fixed-route passenger transportation by road and transit rail	
	Long-distance, passenger transportation by road, except fixed route	
	Local, passenger transportation by road, except fixed-route	
	All other operating revenue	
486*	Pipelines	Provide to BEA/publish all requested products at 3 digit - NAICS 486
	<b>Transportation of bulk natural gas and liquefied natural gas by pipeline</b>	
	<b>Transportation of bulk crude oil by pipeline</b>	
	<b>Transportation of refined petroleum products by pipeline</b>	
	<b>Transportation of other bulk liquids and gasses by pipeline</b>	
	<b>All other pipeline sales revenue</b>	
522	Credit Intermediation and Related Activities/Securities and Commodity Contracts, and Other Financial Investments and Related Activities	
	<i>See below for the proposed NAPCS detail</i>	
5221*	Depository Credit Intermediation	Provide to BEA/publish all requested products at 3 digit - NAICS 522
	Loan income from consumers	
	Loan income from businesses and government	
	Credit card income from consumers	
	Credit card income from businesses and government	
	All other revenue	
5222*	Non-depository Credit Intermediation	Provide to BEA/publish all requested products at 3 digit - NAICS 522
	Loan income from consumers	
	Loan income from businesses and government	
	Credit card income from consumers	
	Credit card income from businesses and government	
	All other revenue	
5223*	Activities Related to Credit Intermediation	Provide to BEA/publish all requested products at 3 digit - NAICS 522
	Loan income from consumers	
	Loan income from businesses and government	
	Credit card income from consumers	
	Credit card income from businesses and government	
	All other revenue	
524*	Insurance Carriers and Related Activities	More detail requested in March 29 memo for NAICS 524126. Per April 28 meeting these will not be added to the SAS.
	524 and the request for 524114 is pending until further questions are answered internally by BEA staff.	

524114	Direct Health and Medical Insurance Carriers	Provide to BEA/publish for NAICS 524114:
	<i>Special inquiries:</i>	Benefits paid (losses) for health insurance and hospital and medical service plans (similar to Econ Census inquiry 5002)
	<i>All types of benefits paid for health and medical insurance Plans</i>	
	<i>Health and medical insurance products total premiums Earned</i>	Net premiums for health and medical insurance products (similar to Econ Census inquiry 58040)
6114*	Business Schools and Computer and Management Training	
	Basic education and personal improvement programs and courses (Include tuition receipts for literacy programs, GED, second language programs, and educational camps for students who excel)	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	Occupational, technical, and trade; professional development; and management training programs and courses	Provide to BEA/publish at 4 digit - NAICS 6114
	Higher academic, career/technical, and advanced qualification programs and credit courses	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	Exam preparation and tutoring services	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Outright sale of original works for intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Contract production services for intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Licensing of rights to use intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	All operating other revenue	
6115*	Technical and Trade Schools	
	Basic education and personal improvement programs and courses (Include tuition receipts for literacy programs, GED, second language programs, and educational camps for students who excel)	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	Occupational, technical, and trade; professional development; and management training programs and courses	Provide to BEA/publish at 4 digit - NAICS 6115
	Higher academic, career/technical, and advanced qualification programs and credit courses	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	Exam preparation and tutoring services	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Outright sale of original works for intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Contract production services for intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Licensing of rights to use intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	All other operating revenue	

6116*	Other Schools and Instruction	
	Basic education and personal improvement programs and courses (Include tuition receipts for literacy programs, GED, second language programs, and educational camps for students who excel)	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	Occupational, technical, and trade; professional development; and management training programs and courses	Provide to BEA/publish at 4 digit - NAICS 6116
	Higher academic, career/technical, and advanced qualification programs and credit courses	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	Exam preparation and tutoring services	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Outright sale of original works for intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Contract production services for intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	<b>Licensing of rights to use intellectual property</b>	Product will not be separately collected or published. A review of Economic Census data shows that sales of this product is only a small percent of total sales for this industry.
	All other operating revenue	
6117	Educational Support Services	No requested products will be separately collected or published. A review of Economic Census data shows that sales for each of these products is only a small percent of total sales for this industry.
	Basic education and personal improvement programs and courses (Include tuition receipts for literacy programs, GED, second language programs, and educational camps for students who excel)	
	Occupational, technical, and trade; professional development; and management training programs and courses	
	Higher academic, career/technical, and advanced qualification programs and credit courses	
	Exam preparation and tutoring services	
	<b>Outright sale of original works for intellectual property</b>	
	<b>Contract production services for intellectual property</b>	
	<b>Licensing of rights to use intellectual property</b>	
	All other operating revenue	
* Signifies all industries within the grouping.		

**Attachment E. Spreadsheet Tool Provided to BEA by the Census Bureau for Prioritizing Industry-by-Product Combinations to be Included in the Service Annual Survey**

Budget = 4000      Cumulative Total =      **2850**

**Products for BEA's Selection**

Status = **OKAY**

NAICS	PRODUCT(S)	DESCRIPTION	COST	BEA CHOICE - 1 or BLANK	SELECTED COST
51111	6066	Online Revenue	50	1	50
51113	6103	General Reference Books	80		0
51114	6135	Rental or sale of mailing lists	10	1	10
51121	6005	Application Service Provisioning	80		0
5121X	6195	Outright Sale of AV Works	900	1	900
51219	6222	Motion Picture Film Lab Services	55	1	55
51223	6231, 6008, 6009	Admin. of Copyrights of Others; Licensing of Rights-Musical Compositions; Licensing of rights-musical recordings	120	1	120
515112	6254	Public and Non-Commercial Prog.	175	1	175
51512	6254	Public and Non-Commercial Prog.	55	1	55
51711	6023	Rental of Telecom Equipment	190	1	190
51721	6021	Install. Serv. Telecom Networks	80	1	80
51919	6391	Info. Search/Retrieval Services	25	1	25
5412	3070	Computerized Accounting Sys Serv.	1050		0
54131	3081	Single Family Residential Projects	930		0
54133	3111	Residential Engineering Projects	460		0
5417E	3208	Licensing of Rights to Use Int. Prop.	65	1	65
5417T	3209	Original Works of Int. Property	2450		0
54181	3225	Direct Marketing	165		0
56131	3264	Long-Term Staffing	55		0
5615X	3285	Commissions: Cruises	355	1	355
5629X	3363	Sale of Nonhaz Recyclable Material	770	1	770

Budget = 4000      Cumulative Total =      **2850**

**DUE DATE FOR BEA TO SEND TO CENSUS - AUGUST 13, 2010**

Status = **OKAY**