

Virginia

1997

Issued October 1999

EC97S51A-VA

1997 Economic Census

Information

Geographic Area Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
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Introduction to the Economic Census

PURPOSES AND USES OF THE ECONOMIC CENSUS

The economic census is the major source of facts about the structure and functioning of the Nation's economy. It provides essential information for government, business, industry, and the general public. Title 13 of the United States Code (Sections 131, 191, and 224) directs the Census Bureau to take the economic census every 5 years, covering years ending in 2 and 7.

The economic census furnishes an important part of the framework for such composite measures as the gross domestic product estimates, input/output measures, production and price indexes, and other statistical series that measure short-term changes in economic conditions. Specific uses of economic census data include the following:

- Policymaking agencies of the Federal Government use the data to monitor economic activity and assess the effectiveness of policies.
- State and local governments use the data to assess business activities and tax bases within their jurisdictions and to develop programs to attract business.
- Trade associations study trends in their own and competing industries, which allows them to keep their members informed of market changes.
- Individual businesses use the data to locate potential markets and to analyze their own production and sales performance relative to industry or area averages.

ALL-NEW INDUSTRY CLASSIFICATIONS

Data from the 1997 Economic Census are published primarily on the basis of the North American Industry Classification System (NAICS), unlike earlier censuses, which were published according to the Standard Industrial Classification (SIC) system. NAICS is in the process of being adopted in the United States, Canada, and Mexico. Most economic census reports cover one of the following NAICS sectors:

21	Mining
22	Utilities
23	Construction
31-33	Manufacturing
42	Wholesale Trade
44-45	Retail Trade
48-49	Transportation and Warehousing
51	Information

52	Finance and Insurance
53	Real Estate and Rental and Leasing
54	Professional, Scientific, and Technical Services
55	Management of Companies and Enterprises
56	Administrative and Support and Waste Management and Remediation Services
61	Educational Services
62	Health Care and Social Assistance
71	Arts, Entertainment, and Recreation
72	Accommodation and Foodservices
81	Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

RELATIONSHIP TO SIC

While many of the individual NAICS industries correspond directly to industries as defined under the SIC system, most of the higher level groupings do not. Particular care should be taken in comparing data for retail trade, wholesale trade, and manufacturing, which are sector titles used in both NAICS and SIC, but cover somewhat different groups of industries. The industry definitions discuss the relationships between NAICS and SIC industries. Where changes are significant, it will not be possible to construct time series that include data for points both before and after 1997.

For 1997, data for auxiliary establishments (those functioning primarily to manage, service, or support the activities of their company's operating establishments, such as a central administrative office or warehouse) will not be included in the sector-specific reports. These data will be published separately.

GEOGRAPHIC AREA CODING

Accurate and complete information on the physical location of each establishment is required to tabulate the census data for the states, metropolitan areas (MAs), counties, parishes, and corporate municipalities including cities, towns, villages, and boroughs. Respondents were

required to report their physical location (street address, municipality, county, and state) if it differed from their mailing address. For establishments not surveyed by mail (and those single-establishment companies that did not provide acceptable information on physical location), location information from Internal Revenue Service tax forms is used as a basis for coding.

BASIS OF REPORTING

The economic census is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each store, factory, shop, or other location. Each establishment is assigned a separate industry classification based on its primary activity and not that of its parent company.

DOLLAR VALUES

All dollar values presented are expressed in current dollars; i.e., 1997 data are expressed in 1997 dollars, and 1992 data, in 1992 dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

AVAILABILITY OF ADDITIONAL DATA

Reports in Print and Electronic Media

All results of the 1997 Economic Census are available on the Census Bureau Internet site (www.census.gov) and on compact discs (CD-ROM) for sale by the Census Bureau. Unlike previous censuses, only selected highlights are published in printed reports. For more information, including a description of electronic and printed reports being issued, see the Internet site, or write to U.S. Census Bureau, Washington, DC 20233-8300, or call Customer Services at 301-457-4100.

Special Tabulations

Special tabulations of data collected in the 1997 Economic Census may be obtained, depending on availability of time and personnel, in electronic or tabular form. The data will be summaries subject to the same rules prohibiting disclosure of confidential information (including name, address, kind of business, or other data for individual business establishments or companies) that govern the regular publications.

Special tabulations are prepared on a cost basis. A request for a cost estimate, as well as exact specifications on the type and format of the data to be provided, should be directed to the Chief of the division named below, U.S. Census Bureau, Washington, DC 20233-8300. To discuss a special tabulation before submitting specifications, call the appropriate division:

Manufacturing and Construction Division	301-457-4673
Service Sector Statistics Division	301-457-2668

HISTORICAL INFORMATION

The economic census has been taken as an integrated program at 5-year intervals since 1967 and before that for 1954, 1958, and 1963. Prior to that time, individual components of the economic census were taken separately at varying intervals.

The economic census traces its beginnings to the 1810 Decennial Census, when questions on manufacturing were included with those for population. Coverage of economic activities was expanded for the 1840 Decennial Census and subsequent censuses to include mining and some commercial activities. The 1905 Manufactures Census was the first time a census was taken apart from the regular decennial population census. Censuses covering retail and wholesale trade and construction industries were added in 1930, as were some covering service trades in 1933. Censuses of construction, manufacturing, and the other business service censuses were suspended during World War II.

The 1954 Economic Census was the first census to be fully integrated: providing comparable census data across economic sectors, using consistent time periods, concepts, definitions, classifications, and reporting units. It was the first census to be taken by mail, using lists of firms provided by the administrative records of other Federal agencies. Since 1963, administrative records also have been used to provide basic statistics for very small firms, reducing or eliminating the need to send them census questionnaires.

The range of industries covered in the economic censuses expanded between 1967 and 1992. The census of construction industries began on a regular basis in 1967, and the scope of service industries, introduced in 1933, was broadened in 1967, 1977, and 1987. While a few transportation industries were covered as early as 1963, it was not until 1992 that the census broadened to include all of transportation, communications, and utilities. Also new for 1992 was coverage of financial, insurance, and real estate industries. With these additions, the economic census and the separate census of governments and census of agriculture collectively covered roughly 98 percent of all economic activity.

Printed statistical reports from the 1992 and earlier censuses provide historical figures for the study of long-term time series and are available in some large libraries. All of the census reports printed since 1967 are still available for sale on microfiche from the Census Bureau. CD-ROMs issued from the 1987 and 1992 Economic Censuses contain databases including nearly all data published in print, plus additional statistics, such as ZIP Code statistics, published only on CD-ROM.

SOURCES FOR MORE INFORMATION

More information about the scope, coverage, classification system, data items, and publications for each of the economic censuses and related surveys is published in the *Guide to the 1997 Economic Census and Related Statistics* at www.census.gov/econguide. More information on the methodology, procedures, and history of the censuses will be published in the *History of the 1997 Economic Census* at www.census.gov/econ/www/history.html.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the 1997 Economic Census data:

A	Standard error of 100 percent or more.	V	Represents less than 50 vehicles or .05 percent.
D	Withheld to avoid disclosing data of individual companies; data are included in higher level totals.	X	Not applicable.
F	Exceeds 100 percent because data include establishments with payroll exceeding revenue.	Y	Disclosure withheld because of insufficient coverage of merchandise lines.
N	Not available or not comparable.	Z	Less than half the unit shown.
Q	Revenue not collected at this level of detail for multiestablishment firms.	a	0 to 19 employees.
S	Withheld because estimates did not meet publication standards.	b	20 to 99 employees.
		c	100 to 249 employees.
		e	250 to 499 employees.
		f	500 to 999 employees.
		g	1,000 to 2,499 employees.
		h	2,500 to 4,999 employees.
		i	5,000 to 9,999 employees.
		j	10,000 to 24,999 employees.
		k	25,000 to 49,999 employees.
		l	50,000 to 99,999 employees.
		m	100,000 employees or more.
		p	10 to 19 percent estimated.
		q	20 to 29 percent estimated.
		r	Revised.
		s	Sampling error exceeds 40 percent.
		nec	Not elsewhere classified.
		nsk	Not specified by kind.
		–	Represents zero (page image/print only).
		(CC)	Consolidated city.
		(IC)	Independent city.

Information

SCOPE

The Information sector (sector 51) of the 1997 Economic Census comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data.

The main components of this sector are the publishing industries, including software publishing, the motion picture and sound recording industries, the broadcasting and telecommunications industries, and the information services and data processing services industries.

The expressions “information age” and “global information economy” are used with considerable frequency today. The general idea of an “information economy” includes both the notion of industries primarily producing, processing, and distributing information, as well as the idea that every industry is using available information and information technology to reorganize and make themselves more productive.

For the purpose of developing NAICS, it is the transformation of information into a commodity that is produced and distributed by a number of growing industries that is at issue. The Information sector groups three types of establishments: (1) those engaged in producing and distributing information and cultural products; (2) those that provide the means to transmit or distribute these products as well as data or communications; and (3) those that process data. Cultural products are those that directly express attitudes, opinions, ideas, values, and artistic creativity; provide entertainment; or offer information and analysis concerning the past and present. Included in this definition are popular, mass-produced, products as well as cultural products that normally have a more limited audience, such as poetry books, literary magazines, or classical records.

The unique characteristics of information and cultural products, and of the processes involved in their production and distribution, distinguish the Information sector from the goods-producing and service-producing sectors. Some of these characteristics are:

Unlike traditional goods, an “information or cultural product,” such as a newspaper on-line or television program, does not necessarily have tangible qualities, nor is it necessarily associated with a particular form. A movie can be shown at a movie theater, on a television broadcast, through video-on-demand or rented at a local video

store. A sound recording can be aired on radio, embedded in multimedia products, or sold at a record store.

Unlike traditional services, the delivery of these products does not require direct contact between the supplier and the consumer.

The value of these products to the consumer lies in their informational, educational, cultural, or entertainment content, not in the format in which they are distributed. Most of these products are protected from unlawful reproduction by copyright laws.

The intangible property aspect of information and cultural products makes the processes involved in their production and distribution very different from goods and services. Only those possessing the rights to these works are authorized to reproduce, alter, improve, and distribute them. Acquiring and using these rights often involves significant costs. In addition, technology is revolutionizing the distribution of these products. It is possible to distribute them in a physical form, via broadcast, or on-line.

Distributors of information and cultural products can easily add value to the products they distribute. For instance, broadcasters add advertising not contained in the original product. This capacity means that unlike traditional distributors, they derive revenue not from sale of the distributed product to the final consumer, but from those who pay for the privilege of adding information to the original product. Similarly, a database publisher can acquire the rights to thousands of previously published newspaper and periodical articles and add new value by providing search and software and organizing the information in a way that facilitates research and retrieval. These products often command a much higher price than the original information.

The distribution modes for information commodities may either eliminate the necessity for traditional manufacture, or reverse the conventional order of manufacture-distribute: A newspaper distributed on-line, for example, can be printed locally or by the final consumer. Similarly, it is anticipated that packaged software, which today is mainly bought through the traditional retail channels, will soon be available mainly on-line. The NAICS Information sector is designed to make such economic changes transparent as they occur, or to facilitate designing surveys that will monitor the new phenomena and provide data to analyze the changes.

Many of the industries in the NAICS Information sector are engaged in producing products protected by copyright

law, or in distributing them (other than distribution by traditional wholesale and retail methods). Examples are traditional publishing industries, software and database publishing industries, and film and sound industries. Broadcasting and telecommunications industries and information providers and processors are also included in the Information sector, because their technologies are so closely linked to other industries in the Information sector.

Data for this sector are shown for establishments of firms subject to Federal income tax.

Many of the "kinds of business or operation" included in this sector are not thought of as commercial businesses and the terms (such as "business," "establishment," and "firm") used to describe them may not be descriptive of such services. However, these terms are applied to all "kinds of business or operation" in order to maintain conformity in the measures of the production and delivery of goods and services and in the presentation of data.

Except in the telecommunications industry, the basic tabulations for this sector do not include data for establishments which are auxiliary (primary function is providing a service, such as warehousing or bookkeeping) to service establishments within the same organization. Data for auxiliaries are presented separately.

GENERAL

A list of reports that provide statistics on sector 51 follows.

Geographic area reports. There is a separate report for each state, the District of Columbia, and the United States. For establishments of firms subject to Federal income tax, each state report presents general statistics on number of establishments, receipts, payroll, and employment by kind of business for the state, metropolitan areas (MAs), counties, and places with 2,500 inhabitants or more. Greater kind-of-business detail is shown for larger areas.

The United States report presents data for the United States as a whole for establishments with payroll of firms subject to Federal income tax for detailed kind-of-business classifications.

Sources of receipts report. This report presents sources of receipts data for establishments with payroll by kind of business. Data are presented for the United States and states.

Establishment and firm size (including legal form of organization) report. This report presents receipts, payroll, and employment data for the United States by receipts size, by employment size, and by legal form of organization for establishments; and receipts size (including concentration by largest firms), by employment size, and by number of establishments operated (single units and multiunits) for firms.

Miscellaneous subjects report. This report presents data for establishments with payroll for a variety of industry-specific questions. Presentation of data varies by kind of business.

GEOGRAPHIC AREAS COVERED

The level of geographic detail varies by report. Data may be presented for:

1. The United States as a whole.
2. States and the District of Columbia.
3. Consolidated metropolitan statistical areas (CMSAs) and primary metropolitan statistical areas (PMSAs) defined by the Office of Management and Budget (OMB) as of June 30, 1997. A CMSA is an area used to facilitate the presentation and analysis of data for large concentrations of metropolitan populations. It includes two or more contiguous PMSAs which have a population of at least 1,000,000 (according to the 1990 Census of Population or subsequent special census) and which meet specific criteria of urban character and of social and economic integration.
4. Metropolitan statistical areas (MSAs) defined by the OMB as of June 30, 1997. An MSA is an integrated economic and social unit with a population nucleus of at least 50,000 inhabitants (according to the 1990 Census of Population or subsequent special census). Each MSA consists of one or more counties meeting standards of metropolitan character. In New England, cities and towns rather than counties are the component geographic units.
5. Areas within the state outside metropolitan areas (MAs).
6. Counties and county equivalents defined as of January 1, 1997. Counties are the primary divisions of states, except in Louisiana where they are called parishes and in Alaska where they are called boroughs and census areas. Maryland, Missouri, Nevada, and Virginia have one place or more that is independent of any county organization and constitutes primary divisions of their states. These places are treated as counties and as places.
7. Consolidated cities defined as of January 1, 1997. Consolidated cities are consolidated governments which consist of separately incorporated municipalities.
8. Municipalities of 2,500 inhabitants or more defined as of January 1, 1997. These are areas of significant population incorporated as cities, boroughs, villages, or towns according to the 1990 Census of Population or subsequent special census. For the economic census, boroughs and census areas in Alaska and boroughs in New York are not included in this category.

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9. Special economic urban areas (SEUAs), which include townships in Michigan, New Jersey, and Pennsylvania, and towns in New York, Wisconsin, and the six New England states with 10,000 inhabitants or more (according to the 1990 Census of Population or subsequent special census).

COMPARABILITY OF THE 1992 AND 1997 CENSUSES

The 1997 Economic Census is the first census to present data based on the new North American Industry Classification System (NAICS). Previous census data were presented according to the Standard Industrial Classification (SIC) system developed some 60 years ago. Due to this change, comparability between census years may be limited. Comparative statistics will be included as part of the Core Business Statistics Reports.

DISCLOSURE

In accordance with Federal law governing census reports (Title 13 of the United States Code), no data are

published that would disclose the operations of an individual establishment or business. However, the number of establishments in a kind-of-business classification is not considered a disclosure; therefore, this information may be released even though other information is withheld.

AVAILABILITY OF MORE FREQUENT ECONOMIC DATA

The Census Bureau conducts the Service Annual Survey (SAS) and the Annual Survey of Communication Services (ASCS) each year. These surveys, while providing more frequent observations, yields less kind-of-business and geographic detail than the economic census. In addition, the County Business Patterns program offers annual statistics on the number of establishments, employment, and payroll classified by industry within each county.

Table 1. Summary Statistics for the State: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
VIRGINIA								
51	Information	2 945	20 400 419	4 347 332	N	90 346	2.3	9.3
511	Publishing industries	895	4 509 377	1 011 685	N	23 602	1.0	12.0
5111	Newspaper, periodical, book, & database publishers	531	3 198 717	565 434	N	16 632	—	11.7
51111	Newspaper publishers	177	1 243 593	306 375	N	10 043	—	11.1
511110	Newspaper publishers	177	1 243 593	306 375	N	10 043	—	11.1
51112	Periodical publishers	188	392 318	103 533	N	2 674	—	43.0
511120	Periodical publishers	188	392 318	103 533	N	2 674	—	43.0
51113	Book publishers	54	181 858	43 525	N	1 364	—	4.4
511130	Book publishers	54	181 858	43 525	N	1 364	—	4.4
51114	Database & directory publishers	52	D	D	N	g	D	D
511140	Database & directory publishers	52	D	D	N	g	D	D
51119	Other publishers	60	D	D	N	f	D	D
511191	Greeting card publishers	1	D	D	N	a	D	D
511199	All other publishers	59	D	D	N	f	D	D
5112	Software publishers	364	1 310 660	446 251	100 094	6 970	3.6	13.0
51121	Software publishers	364	1 310 660	446 251	100 094	6 970	3.6	13.0
511210	Software publishers	364	1 310 660	446 251	100 094	6 970	3.6	13.0
512	Motion picture & sound recording industries	421	431 623	98 322	22 849	4 740	4.5	11.2
5121	Motion picture & video industries	372	421 636	95 431	22 236	4 604	3.8	11.1
51211	Motion picture & video production	151	143 193	42 473	9 565	1 023	9.4	21.7
512110	Motion picture & video production	151	143 193	42 473	9 565	1 023	9.4	21.7
5121101	Motion picture production (except for television)	102	76 675	24 883	5 920	606	12.5	25.2
5121102	Motion picture & video production for television	49	66 518	17 590	3 645	417	5.8	17.7
51212	Motion picture & video distribution	12	37 628	8 060	1 798	315	3.1	—
512120	Motion picture & video distribution	12	37 628	8 060	1 798	315	3.1	—
5121201	Motion picture film exchanges	7	24 225	4 712	985	237	—	—
5121202	Film or tape distribution for television	5	13 403	3 348	813	78	8.8	—
51213	Motion picture & video exhibition	133	175 456	19 820	4 601	2 590	.7	8.8
512131	Motion picture theaters (except drive-ins)	128	174 749	19 737	4 600	2 586	.7	8.8
512132	Drive-in motion picture theaters	5	707	83	1	4	16.3	—
51219	Post production & other motion picture & video industries	76	65 359	25 078	6 272	676	.2	.8
512191	Teleproduction & other postproduction services	74	D	D	D	f	D	D
512199	Other motion picture & video industries	2	D	D	D	a	D	D
5122	Sound recording industries	49	9 987	2 891	613	136	32.5	12.0
51221	Record production	4	D	D	D	a	D	D
512210	Record production	4	D	D	D	a	D	D
51222	Integrated record production/distribution	4	D	D	D	a	D	D
512220	Integrated record production/distribution	4	D	D	D	a	D	D
51223	Music publishers	10	1 386	423	104	32	87.2	12.8
512230	Music publishers	10	1 386	423	104	32	87.2	12.8
51224	Sound recording studios	23	3 992	1 375	300	61	35.7	12.5
512240	Sound recording studios	23	3 992	1 375	300	61	35.7	12.5
51229	Other sound recording industries	8	1 223	321	61	18	7.3	33.9
512290	Other sound recording industries	8	1 223	321	61	18	7.3	33.9
513	Broadcasting & telecommunications	1 178	12 310 233	2 240 427	567 266	47 411	3.0	9.3
5131	Radio & television broadcasting	252	949 003	218 034	53 298	7 168	2.3	44.6
51311	Radio broadcasting	192	233 043	77 295	18 864	3 088	4.8	12.3
513111	Radio networks	3	D	D	D	c	D	D
513112	Radio stations	189	D	D	D	h	D	D
51312	Television broadcasting	60	715 960	140 739	34 434	4 080	1.5	55.1
513120	Television broadcasting	60	715 960	140 739	34 434	4 080	1.5	55.1
5132	Cable networks & program distribution	132	1 129 615	182 146	33 897	4 451	.3	3.2
51321	Cable networks	16	D	D	D	f	D	D
513210	Cable networks	16	D	D	D	f	D	D
51322	Cable & other program distribution	116	D	D	D	h	D	D
513220	Cable & other program distribution	116	D	D	D	h	D	D
5133	Telecommunications	794	10 231 615	1 840 247	480 071	35 792	3.3	6.7
51331	Wired telecommunications carriers	550	8 325 568	1 491 858	391 126	28 847	—	5.6
513310	Wired telecommunications carriers	550	8 325 568	1 491 858	391 126	28 847	—	5.6
51332	Wireless telecommunications carriers (except satellite)	152	1 070 519	216 052	51 285	3 982	1.6	12.8
513321	Paging	89	439 950	90 281	20 127	2 255	1.5	28.5
513322	Cellular & other wireless telecommunications	63	630 569	125 771	31 158	1 727	1.7	1.9
51333	Telecommunications resellers	41	372 728	86 412	26 931	1 969	80.0	.8
513330	Telecommunications resellers	41	372 728	86 412	26 931	1 969	80.0	.8
51334	Satellite telecommunications	25	442 022	40 474	9 210	646	2.5	18.5
513340	Satellite telecommunications	25	442 022	40 474	9 210	646	2.5	18.5
51339	Other telecommunications	26	20 778	5 451	1 519	348	56.4	6.9
513390	Other telecommunications	26	20 778	5 451	1 519	348	56.4	6.9

See footnotes at end of table.

Table 1. Summary Statistics for the State: 1997—Con.

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
VIRGINIA—Con.								
51 Information—Con.								
514	Information services & data processing services	451	3 149 186	996 898	231 879	14 593	1.1	5.0
5141	Information services	218	2 566 814	719 874	151 974	7 646	.8	2.7
51411	News syndicates	11	26 330	6 838	1 746	157	.8	48.2
514110	News syndicates	11	26 330	6 838	1 746	157	.8	48.2
51412	Libraries & archives	44	D	D	D	e	D	D
514120	Libraries & archives	44	D	D	D	e	D	D
51419	Other information services	163	D	D	D	i	D	D
514191	Online information services	150	2 497 292	684 240	143 432	6 772	.6	2.3
514199	All other information services	13	D	D	D	e	D	D
5142	Data processing services	233	582 372	277 024	79 905	6 947	2.5	14.9
51421	Data processing services	233	582 372	277 024	79 905	6 947	2.5	14.9
514210	Data processing services	233	582 372	277 024	79 905	6 947	2.5	14.9

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Table 2. Summary Statistics for Metropolitan Areas: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
CHARLOTTESVILLE, VA MSA								
512	Motion picture & sound recording industries	17	D	D	D	c	D	D
5121	Motion picture & video industries	14	9 540	2 108	434	102	12.8	1.8
51213	Motion picture & video exhibition	5	3 663	428	108	65	—	—
513	Broadcasting & telecommunications	29	191 345	30 578	7 928	942	—	.7
5131	Radio & television broadcasting	10	D	D	D	e	D	D
51311	Radio broadcasting	8	8 907	3 832	947	187	—	16.1
513112	Radio stations	8	8 907	3 832	947	187	—	16.1
514	Information services & data processing services	8	D	D	D	c	D	D
5141	Information services	4	D	D	D	c	D	D
51419	Other information services	3	D	D	D	c	D	D
DANVILLE, VA MSA								
513	Broadcasting & telecommunications	19	23 038	5 457	1 303	213	.3	8.3
JOHNSON CITY—KINGSPORT—BRISTOL, TN—VA MSA								
512	Motion picture & sound recording industries	17	8 928	1 493	269	135	20.0	—
5121	Motion picture & video industries	17	8 928	1 493	269	135	20.0	—
51213	Motion picture & video exhibition	11	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	9	D	D	D	c	D	D
513	Broadcasting & telecommunications	69	368 643	59 205	15 158	1 666	.5	9.0
5131	Radio & television broadcasting	20	D	D	D	f	D	D
51311	Radio broadcasting	15	D	D	D	c	D	D
513112	Radio stations	15	D	D	D	c	D	D
5132	Cable networks & program distribution	7	47 151	3 619	854	162	—	11.2
51322	Cable & other program distribution	7	47 151	3 619	854	162	—	11.2
513220	Cable & other program distribution	7	47 151	3 619	854	162	—	11.2
LYNCHBURG, VA MSA								
512	Motion picture & sound recording industries	8	4 151	672	168	105	3.0	.2
5121	Motion picture & video industries	6	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	39	109 319	19 840	4 830	663	.1	.2
5131	Radio & television broadcasting	12	D	D	D	e	D	D
514	Information services & data processing services	6	9 028	3 044	292	55	—	4.6

See footnotes at end of table.

Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
NORFOLK—VIRGINIA BEACH—NEWPORT NEWS, VA—NC MSA								
5112	Software publishers	31	28 513	12 511	2 328	366	17.3	8.0
51121	Software publishers	31	28 513	12 511	2 328	366	17.3	8.0
511210	Software publishers	31	28 513	12 511	2 328	366	17.3	8.0
512	Motion picture & sound recording industries	70	79 674	14 947	3 039	1 114	4.9	9.8
5121	Motion picture & video industries	65	76 542	14 255	2 921	1 091	4.3	9.6
51211	Motion picture & video production	24	10 977	4 229	542	101	27.0	10.6
512110	Motion picture & video production	24	10 977	4 229	542	101	27.0	10.6
51213	Motion picture & video exhibition	29	40 538	5 047	1 262	720	.9	14.0
512131	Motion picture theaters (except drive-ins)	29	40 538	5 047	1 262	720	.9	14.0
5122	Sound recording industries	5	3 132	692	118	23	19.9	15.3
513	Broadcasting & telecommunications	213	1 363 414	287 650	60 942	7 642	.2	15.1
5131	Radio & television broadcasting	42	235 861	64 881	16 396	2 238	.3	49.1
51311	Radio broadcasting	25	31 362	11 888	3 104	478	1.7	5.0
513112	Radio stations	25	31 362	11 888	3 104	478	1.7	5.0
51312	Television broadcasting	17	204 499	52 993	13 292	1 760	.1	55.9
513120	Television broadcasting	17	204 499	52 993	13 292	1 760	.1	55.9
5132	Cable networks & program distribution	25	502 627	93 780	12 317	1 549	—	1.1
51321	Cable networks	8	D	D	D	e	D	D
513210	Cable networks	8	D	D	D	e	D	D
51322	Cable & other program distribution	17	D	D	D	g	D	D
513220	Cable & other program distribution	17	D	D	D	g	D	D
514	Information services & data processing services	55	56 335	21 687	4 540	593	9.5	33.1
5141	Information services	26	37 974	14 435	2 744	380	5.4	28.6
51419	Other information services	19	D	D	D	e	D	D
514191	Online information services	17	34 990	13 184	2 467	316	2.7	27.6
RICHMOND—PETERSBURG, VA MSA								
5112	Software publishers	43	71 991	24 872	5 672	505	4.9	37.8
51121	Software publishers	43	71 991	24 872	5 672	505	4.9	37.8
511210	Software publishers	43	71 991	24 872	5 672	505	4.9	37.8
512	Motion picture & sound recording industries	67	51 772	10 356	2 202	599	.4	10.9
5121	Motion picture & video industries	59	50 854	10 078	2 139	580	—	10.7
51211	Motion picture & video production	22	10 911	2 690	464	84	—	50.0
512110	Motion picture & video production	22	10 911	2 690	464	84	—	50.0
51213	Motion picture & video exhibition	16	26 307	2 443	537	326	—	—
512131	Motion picture theaters (except drive-ins)	16	26 307	2 443	537	326	—	—
51219	Post production & other motion picture & video industries	21	13 636	4 945	1 138	170	.1	—
512191	Teleproduction & other postproduction services	21	13 636	4 945	1 138	170	.1	—
513	Broadcasting & telecommunications	173	1 056 739	227 326	58 210	6 579	1.0	7.1
5131	Radio & television broadcasting	38	138 695	44 576	11 279	1 460	6.3	14.1
51311	Radio broadcasting	27	48 963	18 827	4 669	686	15.0	21.2
513112	Radio stations	27	48 963	18 827	4 669	686	15.0	21.2
51312	Television broadcasting	11	89 732	25 749	6 610	774	1.5	10.2
513120	Television broadcasting	11	89 732	25 749	6 610	774	1.5	10.2
5132	Cable networks & program distribution	14	135 403	18 595	4 464	677	.3	—
51322	Cable & other program distribution	14	135 403	18 595	4 464	677	.3	—
513220	Cable & other program distribution	14	135 403	18 595	4 464	677	.3	—
514	Information services & data processing services	64	95 090	37 714	9 689	1 073	2.3	11.0
5141	Information services	28	20 535	4 770	1 081	186	8.6	12.2
51419	Other information services	21	D	D	D	c	D	D
5142	Data processing services	36	74 555	32 944	8 608	887	.6	10.6
51421	Data processing services	36	74 555	32 944	8 608	887	.6	10.6
514210	Data processing services	36	74 555	32 944	8 608	887	.6	10.6
ROANOKE, VA MSA								
512	Motion picture & sound recording industries	11	D	D	D	c	D	D
5121	Motion picture & video industries	10	D	D	D	c	D	D
51213	Motion picture & video exhibition	6	D	D	D	b	D	D
513	Broadcasting & telecommunications	45	237 790	50 123	13 580	1 445	.8	11.7
5131	Radio & television broadcasting	12	D	D	D	e	D	D

See footnotes at end of table.

Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
WASHINGTON—BALTIMORE, DC—MD—VA—WV CMSA								
5112	Software publishers	521	D	D	D	j	D	D
51121	Software publishers	521	D	D	D	j	D	D
511210	Software publishers	521	D	D	D	j	D	D
512	Motion picture & sound recording industries	670	697 511	179 315	43 030	6 759	9.3	10.0
5121	Motion picture & video industries	585	657 101	168 301	40 333	6 349	8.2	10.0
51211	Motion picture & video production	313	D	D	D	g	D	D
512110	Motion picture & video production	313	D	D	D	g	D	D
5121101	Motion picture production (except for television)	203	D	D	D	f	D	D
5121102	Motion picture & video production for television	110	125 400	40 673	9 822	761	6.1	13.0
51213	Motion picture & video exhibition	135	D	D	D	h	D	D
512131	Motion picture theaters (except drive-ins)	134	D	D	D	h	D	D
51219	Post production & other motion picture & video industries	111	D	D	D	g	D	D
512191	Teleproduction & other postproduction services	105	D	D	D	g	D	D
5122	Sound recording industries	85	40 410	11 014	2 697	410	25.9	10.4
51223	Music publishers	18	13 919	2 944	824	107	37.7	27.4
512230	Music publishers	18	13 919	2 944	824	107	37.7	27.4
51224	Sound recording studios	39	13 943	4 000	863	133	30.5	.1
512240	Sound recording studios	39	13 943	4 000	863	133	30.5	.1
51229	Other sound recording industries	20	10 640	3 408	869	144	6.3	2.2
512290	Other sound recording industries	20	10 640	3 408	869	144	6.3	2.2
513	Broadcasting & telecommunications	1 208	18 138 425	3 306 692	841 281	62 400	2.7	6.7
5131	Radio & television broadcasting	193	D	D	D	i	D	D
51311	Radio broadcasting	146	D	D	D	h	D	D
513111	Radio networks	7	D	D	D	f	D	D
513112	Radio stations	139	D	D	D	h	D	D
51312	Television broadcasting	47	D	D	D	h	D	D
513120	Television broadcasting	47	D	D	D	h	D	D
5132	Cable networks & program distribution	96	D	D	D	i	D	D
51321	Cable networks	17	D	D	D	f	D	D
513210	Cable networks	17	D	D	D	f	D	D
51322	Cable & other program distribution	79	D	D	D	i	D	D
513220	Cable & other program distribution	79	D	D	D	i	D	D
514	Information services & data processing services	669	4 546 283	1 370 655	337 718	23 514	1.7	5.6
5141	Information services	309	D	D	D	i	D	D
51411	News syndicates	59	D	D	D	g	D	D
514110	News syndicates	59	D	D	D	g	D	D
51419	Other information services	212	2 605 793	741 188	157 441	7 632	1.8	2.1
514191	Online information services	192	D	D	D	e	D	D
514199	All other information services	20	D	D	D	e	D	D
5142	Data processing services	360	D	D	D	j	D	D
51421	Data processing services	360	D	D	D	j	D	D
514210	Data processing services	360	D	D	D	j	D	D
Baltimore, MD PMSA								
5112	Software publishers	94	140 183	57 062	13 451	1 039	5.5	25.2
51121	Software publishers	94	140 183	57 062	13 451	1 039	5.5	25.2
511210	Software publishers	94	140 183	57 062	13 451	1 039	5.5	25.2
512	Motion picture & sound recording industries	156	120 037	25 651	6 065	1 547	18.1	6.2
5121	Motion picture & video industries	139	D	D	D	g	D	D
51211	Motion picture & video production	66	D	D	D	c	D	D
512110	Motion picture & video production	66	D	D	D	c	D	D
5121101	Motion picture production (except for television)	39	D	D	D	c	D	D
5121102	Motion picture & video production for television	27	D	D	D	b	D	D
51213	Motion picture & video exhibition	44	57 738	7 807	1 881	986	11.3	7.5
512131	Motion picture theaters (except drive-ins)	43	D	D	D	f	D	D
51219	Post production & other motion picture & video industries	24	D	D	D	e	D	D
512191	Teleproduction & other postproduction services	22	D	D	D	c	D	D
5122	Sound recording industries	17	D	D	D	b	D	D
51224	Sound recording studios	9	D	D	D	b	D	D
512240	Sound recording studios	9	D	D	D	b	D	D
513	Broadcasting & telecommunications	310	2 639 605	464 682	118 641	10 595	.6	4.9
5131	Radio & television broadcasting	47	211 875	65 132	18 407	1 769	1.7	48.0
51311	Radio broadcasting	38	102 269	34 839	10 659	1 208	3.5	57.6
513112	Radio stations	37	D	D	D	g	D	D
51312	Television broadcasting	9	109 606	30 293	7 748	561	—	39.1
513120	Television broadcasting	9	109 606	30 293	7 748	561	—	39.1
5132	Cable networks & program distribution	17	253 800	30 929	7 618	1 086	.2	.4
51322	Cable & other program distribution	16	D	D	D	g	D	D
513220	Cable & other program distribution	16	D	D	D	g	D	D
514	Information services & data processing services	116	187 555	79 755	18 730	2 208	4.6	15.2
5141	Information services	45	48 096	26 611	6 239	706	5.3	13.0
51419	Other information services	30	D	D	D	e	D	D
514191	Online information services	28	D	D	D	e	D	D
5142	Data processing services	71	139 459	53 144	12 491	1 502	4.4	16.0
51421	Data processing services	71	139 459	53 144	12 491	1 502	4.4	16.0
514210	Data processing services	71	139 459	53 144	12 491	1 502	4.4	16.0

See footnotes at end of table.

Table 2. Summary Statistics for Metropolitan Areas: 1997—Con.

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For definitions of metropolitan areas (CMSAs, MSAs, and PMSAs), see Appendix E]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
WASHINGTON—BALTIMORE, DC—MD—VA—WV CMSA—Con.								
Hagerstown, MD PMSA								
512	Motion picture & sound recording industries	7	4 067	610	82	48	1.9	84.4
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	14	41 560	9 162	2 184	345	—	—
Washington, DC—MD—VA—WV PMSA								
5112	Software publishers	426	2 202 275	695 743	156 607	9 839	2.9	14.9
51121	Software publishers	426	2 202 275	695 743	156 607	9 839	2.9	14.9
511210	Software publishers	426	2 202 275	695 743	156 607	9 839	2.9	14.9
512	Motion picture & sound recording industries	507	573 407	153 054	36 883	5 164	7.5	10.3
5121	Motion picture & video industries	442	539 976	144 249	34 574	4 818	6.4	10.4
51211	Motion picture & video production	247	234 156	74 000	17 915	1 549	13.7	16.4
512110	Motion picture & video production	247	234 156	74 000	17 915	1 549	13.7	16.4
5121101	Motion picture production (except for television)	164	D	D	D	f	D	D
5121102	Motion picture & video production for television	83	D	D	D	f	D	D
51213	Motion picture & video exhibition	88	169 760	20 612	4 777	2 106	1.3	4.0
512131	Motion picture theaters (except drive-ins)	88	169 760	20 612	4 777	2 106	1.3	4.0
51219	Post production & other motion picture & video industries	86	96 275	38 262	9 659	912	.3	2.0
512191	Teleproduction & other postproduction services	82	D	D	D	f	D	D
5122	Sound recording industries	65	33 431	8 805	2 309	346	25.0	8.3
51223	Music publishers	14	D	D	D	b	D	D
512230	Music publishers	14	D	D	D	b	D	D
51224	Sound recording studios	29	10 766	2 537	571	93	32.7	—
512240	Sound recording studios	29	10 766	2 537	571	93	32.7	—
51229	Other sound recording industries	15	D	D	D	c	D	D
512290	Other sound recording industries	15	D	D	D	c	D	D
513	Broadcasting & telecommunications	884	15 457 260	2 832 848	720 456	51 460	3.0	7.1
5131	Radio & television broadcasting	141	1 352 626	314 700	75 771	5 478	1.1	22.9
51311	Radio broadcasting	104	402 893	121 308	28 613	2 859	2.2	8.4
513111	Radio networks	6	161 678	46 874	10 572	922	1.3	—
513112	Radio stations	98	241 215	74 434	18 041	1 937	2.8	14.0
51312	Television broadcasting	37	949 733	193 392	47 158	2 619	.7	29.0
513120	Television broadcasting	37	949 733	193 392	47 158	2 619	.7	29.0
5132	Cable networks & program distribution	78	1 087 118	201 808	54 456	5 032	1.6	11.4
51321	Cable networks	16	120 798	25 730	6 771	575	.3	6.9
513210	Cable networks	16	120 798	25 730	6 771	575	.3	6.9
51322	Cable & other program distribution	62	966 320	176 078	47 685	4 457	1.8	11.9
513220	Cable & other program distribution	62	966 320	176 078	47 685	4 457	1.8	11.9
514	Information services & data processing services	544	4 352 276	1 287 904	318 237	20 942	1.5	5.2
5141	Information services	262	2 770 453	807 338	174 416	9 182	1.8	4.4
51411	News syndicates	56	180 779	79 354	19 922	1 527	2.6	37.6
514110	News syndicates	56	180 779	79 354	19 922	1 527	2.6	37.6
51419	Other information services	182	D	D	D	i	D	D
514191	Online information services	164	2 539 600	696 809	147 054	7 001	1.7	2.0
514199	All other information services	18	D	D	D	e	D	D
5142	Data processing services	282	1 581 823	480 566	143 821	11 760	1.0	6.5
51421	Data processing services	282	1 581 823	480 566	143 821	11 760	1.0	6.5
514210	Data processing services	282	1 581 823	480 566	143 821	11 760	1.0	6.5
AREA OUTSIDE VIRGINIA METROPOLITAN AREAS								
512	Motion picture & sound recording industries	49	D	D	D	e	D	D
5121	Motion picture & video industries	44	D	D	D	e	D	D
51213	Motion picture & video exhibition	33	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins)	29	D	D	D	e	D	D
513	Broadcasting & telecommunications	266	D	D	D	h	D	D
5131	Radio & television broadcasting	74	D	D	D	f	D	D
51311	Radio broadcasting	69	D	D	D	f	D	D
513112	Radio stations	68	D	D	D	f	D	D
5132	Cable networks & program distribution	44	112 640	12 475	3 189	462	—	20.2
51322	Cable & other program distribution	41	D	D	D	e	D	D
513220	Cable & other program distribution	41	D	D	D	e	D	D
514	Information services & data processing services	52	D	D	D	e	D	D

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Table 3. Summary Statistics for Counties: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
ACCOMACK COUNTY, VA								
513	Broadcasting & telecommunications	9	D	D	D	b	D	D
ALBEMARLE COUNTY, VA								
512	Motion picture & sound recording industries	8	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	9	D	D	D	e	D	D
514	Information services & data processing services	4	D	D	D	c	D	D
5141	Information services	2	D	D	D	c	D	D
51419	Other information services	1	D	D	D	c	D	D
AMHERST COUNTY, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
ARLINGTON COUNTY, VA								
5112	Software publishers	23	92 000	40 691	10 696	677	20.6	16.3
51121	Software publishers	23	92 000	40 691	10 696	677	20.6	16.3
511210	Software publishers	23	92 000	40 691	10 696	677	20.6	16.3
512	Motion picture & sound recording industries	36	D	D	D	f	D	D
5121	Motion picture & video industries	33	D	D	D	f	D	D
51211	Motion picture & video production	18	D	D	D	c	D	D
512110	Motion picture & video production	18	D	D	D	c	D	D
5121102	Motion picture & video production for television	5	D	D	D	c	D	D
51213	Motion picture & video exhibition	4	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	4	D	D	D	c	D	D
51219	Post production & other motion picture & video industries	11	D	D	D	e	D	D
512191	Teleproduction & other postproduction services	11	D	D	D	e	D	D
513	Broadcasting & telecommunications	47	1 994 383	343 087	82 956	5 976	.2	.3
5131	Radio & television broadcasting	9	D	D	D	f	D	D
51311	Radio broadcasting	5	D	D	D	e	D	D
513111	Radio networks	1	D	D	D	c	D	D
514	Information services & data processing services	33	D	D	D	f	D	D
5141	Information services	16	D	D	D	e	D	D
51419	Other information services	11	24 847	10 366	2 475	232	3.5	49.3
514191	Online information services	11	24 847	10 366	2 475	232	3.5	49.3
5142	Data processing services	17	D	D	D	e	D	D
51421	Data processing services	17	D	D	D	e	D	D
514210	Data processing services	17	D	D	D	e	D	D
AUGUSTA COUNTY, VA								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
BOTETOURT COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
CAMPBELL COUNTY, VA								
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
5131	Radio & television broadcasting	2	D	D	D	b	D	D
CAROLINE COUNTY, VA								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
CHESTERFIELD COUNTY, VA								
512	Motion picture & sound recording industries	13	10 228	1 203	246	135	—	.6
5121	Motion picture & video industries	11	D	D	D	c	D	D
51213	Motion picture & video exhibition	6	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	6	D	D	D	c	D	D
513	Broadcasting & telecommunications	25	104 291	19 348	4 817	568	.6	9.0
5131	Radio & television broadcasting	6	D	D	D	c	D	D
514	Information services & data processing services	10	11 109	4 541	1 064	136	.8	6.3
CULPEPER COUNTY, VA								
513	Broadcasting & telecommunications	8	D	D	D	c	D	D

See footnotes at end of table.

Table 3. Summary Statistics for Counties: 1997—Con.

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
FAIRFAX COUNTY, VA								
5112	Software publishers	165	1 014 850	333 352	72 748	4 566	1.1	10.9
51121	Software publishers	165	1 014 850	333 352	72 748	4 566	1.1	10.9
511210	Software publishers	165	1 014 850	333 352	72 748	4 566	1.1	10.9
512	Motion picture & sound recording industries	92	139 735	36 706	9 038	1 186	4.6	17.3
5121	Motion picture & video industries	82	D	D	D	g	D	D
51211	Motion picture & video production	45	D	D	D	e	D	D
512110	Motion picture & video production	45	D	D	D	e	D	D
5121101	Motion picture production (except for television)	33	52 492	17 514	4 532	383	10.4	35.5
51213	Motion picture & video exhibition	13	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins)	13	D	D	D	e	D	D
51219	Post production & other motion picture & video industries	18	13 952	6 956	1 670	150	.6	—
512191	Teleproduction & other postproduction services	17	D	D	D	c	D	D
513	Broadcasting & telecommunications	194	5 547 300	984 420	263 462	16 342	5.8	7.1
5131	Radio & television broadcasting	18	D	D	D	c	D	D
51311	Radio broadcasting	10	D	D	D	b	D	D
513112	Radio stations	9	D	D	D	b	D	D
5132	Cable networks & program distribution	14	D	D	D	f	D	D
51322	Cable & other program distribution	13	D	D	D	f	D	D
513220	Cable & other program distribution	13	D	D	D	f	D	D
514	Information services & data processing services	147	1 793 943	553 697	138 571	8 547	.7	4.3
5141	Information services	66	D	D	D	h	D	D
51419	Other information services	63	D	D	D	h	D	D
514191	Online information services	58	D	D	D	h	D	D
514199	All other information services	5	D	D	D	c	D	D
5142	Data processing services	81	D	D	D	h	D	D
51421	Data processing services	81	D	D	D	h	D	D
514210	Data processing services	81	D	D	D	h	D	D
FAUQUIER COUNTY, VA								
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
FRANKLIN COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
FREDERICK COUNTY, VA								
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
GLOUCESTER COUNTY, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
HALIFAX COUNTY, VA *								
513	Broadcasting & telecommunications	5	D	D	D	c	D	D
HANOVER COUNTY, VA								
513	Broadcasting & telecommunications	13	D	D	D	c	D	D
514	Information services & data processing services	8	D	D	D	b	D	D
HENRICO COUNTY, VA								
5112	Software publishers	13	33 018	12 577	3 310	266	4.3	59.3
51121	Software publishers	13	33 018	12 577	3 310	266	4.3	59.3
511210	Software publishers	13	33 018	12 577	3 310	266	4.3	59.3
512	Motion picture & sound recording industries	17	20 155	3 264	656	147	.1	26.6
5121	Motion picture & video industries	15	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	49	448 226	83 534	20 860	2 682	.3	8.4
5131	Radio & television broadcasting	8	D	D	D	c	D	D
51311	Radio broadcasting	5	D	D	D	c	D	D
513112	Radio stations	5	D	D	D	c	D	D
5132	Cable networks & program distribution	5	D	D	D	e	D	D
51322	Cable & other program distribution	5	D	D	D	e	D	D
513220	Cable & other program distribution	5	D	D	D	e	D	D
514	Information services & data processing services	27	43 099	20 261	5 090	522	2.8	21.2
5142	Data processing services	18	40 667	19 203	4 820	469	.9	19.4
51421	Data processing services	18	40 667	19 203	4 820	469	.9	19.4
514210	Data processing services	18	40 667	19 203	4 820	469	.9	19.4
ISLE OF WIGHT COUNTY, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D

See footnotes at end of table.

Table 3. Summary Statistics for Counties: 1997—Con.

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
KING GEORGE COUNTY, VA								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
LOUDOUN COUNTY, VA								
512	Motion picture & sound recording industries	14	D	D	D	b	D	D
513	Broadcasting & telecommunications	25	D	D	D	f	D	D
514	Information services & data processing services	22	D	D	D	g	D	D
5141	Information services	11	D	D	D	g	D	D
51419	Other information services	10	D	D	D	g	D	D
514191	Online information services	9	D	D	D	g	D	D
MECKLENBURG COUNTY, VA								
513	Broadcasting & telecommunications	7	12 679	1 914	431	54	—	—
MONTGOMERY COUNTY, VA								
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	10	20 626	3 357	744	121	—	69.5
PRINCE EDWARD COUNTY, VA								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
PRINCE WILLIAM COUNTY, VA								
512	Motion picture & sound recording industries	9	D	D	D	c	D	D
5121	Motion picture & video industries	9	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	19	131 242	14 736	3 599	399	.1	.4
5132	Cable networks & program distribution	1	D	D	D	c	D	D
51322	Cable & other program distribution	1	D	D	D	c	D	D
513220	Cable & other program distribution	1	D	D	D	c	D	D
PULASKI COUNTY, VA								
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
RICHMOND COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	c	D	D
ROANOKE COUNTY, VA								
513	Broadcasting & telecommunications	11	119 638	25 068	7 347	624	—	8.8
ROCKINGHAM COUNTY, VA								
513	Broadcasting & telecommunications	9	13 763	3 662	819	145	20.8	—
5131	Radio & television broadcasting	5	D	D	D	c	D	D
RUSSELL COUNTY, VA								
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
SHENANDOAH COUNTY, VA								
513	Broadcasting & telecommunications	7	21 091	5 916	1 431	184	—	—
SMYTH COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
SPOTSYLVANIA COUNTY, VA								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D

See footnotes at end of table.

Table 3. Summary Statistics for Counties: 1997—Con.

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NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
STAFFORD COUNTY, VA								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
TAZEWELL COUNTY, VA								
513	Broadcasting & telecommunications	12	D	D	D	c	D	D
WARREN COUNTY, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
WASHINGTON COUNTY, VA								
513	Broadcasting & telecommunications	9	D	D	D	c	D	D
5131	Radio & television broadcasting	5	D	D	D	c	D	D
WYTHE COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
ALEXANDRIA, VA (IC)								
512	Motion picture & sound recording industries	22	D	D	D	c	D	D
5121	Motion picture & video industries	20	D	D	D	c	D	D
513	Broadcasting & telecommunications	20	336 569	37 157	8 753	795	.1	81.3
5131	Radio & television broadcasting	2	D	D	D	e	D	D
51312	Television broadcasting	1	D	D	D	e	D	D
513120	Television broadcasting	1	D	D	D	e	D	D
514	Information services & data processing services	19	D	D	D	e	D	D
5141	Information services	10	D	D	D	c	D	D
51419	Other information services	8	D	D	D	c	D	D
5142	Data processing services	9	D	D	D	e	D	D
51421	Data processing services	9	D	D	D	e	D	D
514210	Data processing services	9	D	D	D	e	D	D
CHARLOTTESVILLE, VA (IC)								
512	Motion picture & sound recording industries	9	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	16	157 771	24 194	6 235	654	—	.1
5131	Radio & television broadcasting	4	D	D	D	c	D	D
CHESAPEAKE, VA (IC)								
512	Motion picture & sound recording industries	11	12 812	2 093	521	251	4.8	3.8
5121	Motion picture & video industries	11	12 812	2 093	521	251	4.8	3.8
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	25	59 021	10 575	2 510	349	.5	.7
COLONIAL HEIGHTS, VA (IC)								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
COVINGTON, VA (IC)								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
DANVILLE, VA (IC)								
513	Broadcasting & telecommunications	12	D	D	D	c	D	D
EMPORIA, VA (IC)								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D

See footnotes at end of table.

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NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
FAIRFAX, VA (IC)								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	17	D	D	D	e	D	D
5131	Radio & television broadcasting	2	D	D	D	b	D	D
51311	Radio broadcasting	2	D	D	D	b	D	D
513112	Radio stations	2	D	D	D	b	D	D
FRANKLIN, VA (IC)								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
FREDERICKSBURG, VA (IC)								
5112	Software publishers	3	D	D	D	c	D	D
51121	Software publishers	3	D	D	D	c	D	D
511210	Software publishers	3	D	D	D	c	D	D
513	Broadcasting & telecommunications	9	D	D	D	c	D	D
GALAX, VA (IC)								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
HAMPTON, VA (IC)								
513	Broadcasting & telecommunications	19	39 317	7 145	1 667	235	.8	.5
HARRISONBURG, VA (IC)								
513	Broadcasting & telecommunications	12	D	D	D	c	D	D
LEXINGTON, VA (IC)								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
LYNCHBURG, VA (IC)								
512	Motion picture & sound recording industries	5	D	D	D	c	D	D
5121	Motion picture & video industries	4	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	22	77 206	14 099	3 411	440	.2	.3
5131	Radio & television broadcasting	5	D	D	D	c	D	D
MANASSAS, VA (IC)								
513	Broadcasting & telecommunications	14	176 768	27 059	8 097	606	—	2.0
MARTINSVILLE, VA (IC)								
513	Broadcasting & telecommunications	10	D	D	D	c	D	D
NEWPORT NEWS, VA (IC)								
512	Motion picture & sound recording industries	8	D	D	D	b	D	D
5121	Motion picture & video industries	8	D	D	D	b	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	24	119 987	22 792	5 760	784	.3	39.4
NORFOLK, VA (IC)								
512	Motion picture & sound recording industries	9	D	D	D	c	D	D
5121	Motion picture & video industries	8	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	45	196 171	56 594	14 563	1 568	.3	11.3
5131	Radio & television broadcasting	14	D	D	D	f	D	D
51311	Radio broadcasting	10	D	D	D	c	D	D
513112	Radio stations	10	D	D	D	c	D	D
514	Information services & data processing services	13	29 283	12 615	2 963	344	.3	16.3
5141	Information services	6	D	D	D	e	D	D
51419	Other information services	5	D	D	D	e	D	D
514191	Online information services	5	D	D	D	e	D	D

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Table 3. Summary Statistics for Counties: 1997—Con.

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NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
NORTON, VA (IC)								
513	Broadcasting & telecommunications	8	D	D	D	e	D	D
PETERSBURG, VA (IC)								
513	Broadcasting & telecommunications	8	17 748	2 709	656	106	4.0	33.5
PORTSMOUTH, VA (IC)								
513	Broadcasting & telecommunications	11	50 374	10 547	2 509	276	—	.1
5131	Radio & television broadcasting	3	D	D	D	c	D	D
RADFORD, VA (IC)								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D
RICHMOND, VA (IC)								
512	Motion picture & sound recording industries	30	17 729	5 384	1 203	269	1.0	—
5121	Motion picture & video industries	26	17 110	5 215	1 161	257	.1	—
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
51219	Post production & other motion picture & video industries	13	D	D	D	c	D	D
512191	Teleproduction & other postproduction services	13	D	D	D	c	D	D
513	Broadcasting & telecommunications	62	404 757	110 613	29 040	2 964	1.7	5.3
5131	Radio & television broadcasting	16	D	D	D	g	D	D
51311	Radio broadcasting	11	D	D	D	e	D	D
513112	Radio stations	11	D	D	D	e	D	D
514	Information services & data processing services	13	24 253	5 808	1 646	209	1.2	1.6
5141	Information services	9	D	D	D	c	D	D
ROANOKE, VA (IC)								
512	Motion picture & sound recording industries	7	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	23	94 834	20 659	4 983	677	.6	2.8
5131	Radio & television broadcasting	9	D	D	D	e	D	D
SALEM, VA (IC)								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
STAUNTON, VA (IC)								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	a	D	D
513	Broadcasting & telecommunications	8	24 934	4 958	1 187	156	—	26.9
SUFFOLK, VA (IC)								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D

See footnotes at end of table.

Table 3. Summary Statistics for Counties: 1997—Con.

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NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
VIRGINIA BEACH, VA (IC)								
512	Motion picture & sound recording industries	28	44 705	8 803	1 712	518	1.4	9.3
5121	Motion picture & video industries	24	D	D	D	e	D	D
51213	Motion picture & video exhibition	7	12 656	1 619	401	207	—	20.1
512131	Motion picture theaters (except drive-ins)	7	12 656	1 619	401	207	—	20.1
5122	Sound recording industries	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	62	843 904	172 315	32 192	4 214	.1	15.4
5131	Radio & television broadcasting	7	D	D	D	g	D	D
51311	Radio broadcasting	4	D	D	D	c	D	D
513112	Radio stations	4	D	D	D	c	D	D
51312	Television broadcasting	3	D	D	D	g	D	D
513120	Television broadcasting	3	D	D	D	g	D	D
5132	Cable networks & program distribution	8	D	D	D	g	D	D
51321	Cable networks	3	D	D	D	e	D	D
513210	Cable networks	3	D	D	D	e	D	D
51322	Cable & other program distribution	5	D	D	D	f	D	D
513220	Cable & other program distribution	5	D	D	D	f	D	D
514	Information services & data processing services	19	18 164	5 901	856	114	20.5	72.5
5141	Information services	7	10 919	3 281	181	29	5.4	94.6
51419	Other information services	5	D	D	D	a	D	D
WAYNESBORO, VA (IC)								
513	Broadcasting & telecommunications	8	D	D	D	c	D	D
WILLIAMSBURG, VA (IC)								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
WINCHESTER, VA (IC)								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	28 651	4 809	1 187	140	15.2	—

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Table 4. Summary Statistics for Places: 1997

[Includes only establishments with payroll. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For information on geographic areas followed by *, see Appendix D]

NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
ALEXANDRIA, VA (IC)								
512	Motion picture & sound recording industries	22	D	D	D	c	D	D
5121	Motion picture & video industries	20	D	D	D	c	D	D
513	Broadcasting & telecommunications	20	336 569	37 157	8 753	795	.1	81.3
5131	Radio & television broadcasting	2	D	D	D	e	D	D
51312	Television broadcasting	1	D	D	D	e	D	D
513120	Television broadcasting	1	D	D	D	e	D	D
514	Information services & data processing services	19	D	D	D	e	D	D
5141	Information services	10	D	D	D	c	D	D
51419	Other information services	8	D	D	D	c	D	D
5142	Data processing services	9	D	D	D	e	D	D
51421	Data processing services	9	D	D	D	e	D	D
514210	Data processing services	9	D	D	D	e	D	D
ASHLAND, VA								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D

See footnotes at end of table.

Table 4. Summary Statistics for Places: 1997—Con.

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NAICS code	Geographic area and kind of business	Establishments (number)	Receipts (\$1,000)	Annual payroll (\$1,000)	First-quarter payroll (\$1,000)	Paid employees for pay period including March 12 (number)	Percent of receipts—	
							From administrative records ¹	Estimated ²
CHARLOTTESVILLE, VA (IC)								
512	Motion picture & sound recording industries	9	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	16	157 771	24 194	6 235	654	—	.1
5131	Radio & television broadcasting	4	D	D	D	c	D	D
CHESAPEAKE, VA (IC)								
512	Motion picture & sound recording industries	11	12 812	2 093	521	251	4.8	3.8
5121	Motion picture & video industries	11	12 812	2 093	521	251	4.8	3.8
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	25	59 021	10 575	2 510	349	.5	.7
CHRISTIANSBURG, VA								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	4	14 604	2 478	478	72	—	86.2
COLONIAL HEIGHTS, VA (IC)								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
COVINGTON, VA (IC)								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
CULPEPER, VA								
513	Broadcasting & telecommunications	7	10 707	2 231	564	76	—	—
DANVILLE, VA (IC)								
513	Broadcasting & telecommunications	12	D	D	D	c	D	D
EMPORIA, VA (IC)								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
FAIRFAX, VA (IC)								
512	Motion picture & sound recording industries	5	D	D	D	b	D	D
5121	Motion picture & video industries	5	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	17	D	D	D	e	D	D
5131	Radio & television broadcasting	2	D	D	D	b	D	D
51311	Radio broadcasting	2	D	D	D	b	D	D
513112	Radio stations	2	D	D	D	b	D	D
FARMVILLE, VA *								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
FARMVILLE, VA (PRINCE EDWARD COUNTY PART) *								
513	Broadcasting & telecommunications	1	D	D	D	b	D	D
FRANKLIN, VA (IC)								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
FREDERICKSBURG, VA (IC)								
5112	Software publishers	3	D	D	D	c	D	D
51121	Software publishers	3	D	D	D	c	D	D
511210	Software publishers	3	D	D	D	c	D	D
513	Broadcasting & telecommunications	9	D	D	D	c	D	D

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							From administrative records ¹	Estimated ²
FRONT ROYAL, VA								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
GALAX, VA (IC)								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
HAMPTON, VA (IC)								
513	Broadcasting & telecommunications	19	39 317	7 145	1 667	235	.8	.5
HARRISONBURG, VA (IC)								
513	Broadcasting & telecommunications	12	D	D	D	c	D	D
HERNDON, VA								
5112	Software publishers	18	308 821	100 473	22 148	1 589	.5	3.3
51121	Software publishers	18	308 821	100 473	22 148	1 589	.5	3.3
511210	Software publishers	18	308 821	100 473	22 148	1 589	.5	3.3
512	Motion picture & sound recording industries	4	D	D	D	b	D	D
5121	Motion picture & video industries	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	14	792 693	112 131	35 404	1 820	—	—
514	Information services & data processing services	11	D	D	D	g	D	D
5141	Information services	5	D	D	D	e	D	D
51419	Other information services	4	D	D	D	e	D	D
514191	Online information services	4	D	D	D	e	D	D
5142	Data processing services	6	D	D	D	g	D	D
51421	Data processing services	6	D	D	D	g	D	D
514210	Data processing services	6	D	D	D	g	D	D
LEBANON, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
LEESBURG, VA								
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
LEXINGTON, VA (IC)								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
LYNCHBURG, VA (IC)								
512	Motion picture & sound recording industries	5	D	D	D	c	D	D
5121	Motion picture & video industries	4	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	22	77 206	14 099	3 411	440	.2	.3
5131	Radio & television broadcasting	5	D	D	D	c	D	D
MANASSAS, VA (IC)								
513	Broadcasting & telecommunications	14	176 768	27 059	8 097	606	—	2.0
MARTINSVILLE, VA (IC)								
513	Broadcasting & telecommunications	10	D	D	D	c	D	D
NEWPORT NEWS, VA (IC)								
512	Motion picture & sound recording industries	8	D	D	D	b	D	D
5121	Motion picture & video industries	8	D	D	D	b	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	24	119 987	22 792	5 760	784	.3	39.4

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							From administrative records ¹	Estimated ²
NORFOLK, VA (IC)								
512	Motion picture & sound recording industries	9	D	D	D	c	D	D
5121	Motion picture & video industries	8	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	45	196 171	56 594	14 563	1 568	.3	11.3
5131	Radio & television broadcasting	14	D	D	D	f	D	D
51311	Radio broadcasting	10	D	D	D	c	D	D
513112	Radio stations	10	D	D	D	c	D	D
514	Information services & data processing services	13	29 283	12 615	2 963	344	.3	16.3
5141	Information services	6	D	D	D	e	D	D
51419	Other information services	5	D	D	D	e	D	D
514191	Online information services	5	D	D	D	e	D	D
NORTON, VA (IC)								
513	Broadcasting & telecommunications	8	D	D	D	e	D	D
PETERSBURG, VA (IC)								
513	Broadcasting & telecommunications	8	17 748	2 709	656	106	4.0	33.5
PORTSMOUTH, VA (IC)								
513	Broadcasting & telecommunications	11	50 374	10 547	2 509	276	—	.1
5131	Radio & television broadcasting	3	D	D	D	c	D	D
PULASKI, VA								
513	Broadcasting & telecommunications	5	D	D	D	c	D	D
RADFORD, VA (IC)								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D
RICHLANDS, VA								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
RICHMOND, VA (IC)								
512	Motion picture & sound recording industries	30	17 729	5 384	1 203	269	1.0	—
5121	Motion picture & video industries	26	17 110	5 215	1 161	257	.1	—
51213	Motion picture & video exhibition	4	D	D	D	b	D	D
51219	Post production & other motion picture & video industries	13	D	D	D	c	D	D
512191	Teleproduction & other postproduction services	13	D	D	D	c	D	D
513	Broadcasting & telecommunications	62	404 757	110 613	29 040	2 964	1.7	5.3
5131	Radio & television broadcasting	16	D	D	D	g	D	D
51311	Radio broadcasting	11	D	D	D	e	D	D
513112	Radio stations	11	D	D	D	e	D	D
514	Information services & data processing services	13	24 253	5 808	1 646	209	1.2	1.6
5141	Information services	9	D	D	D	c	D	D
ROANOKE, VA (IC)								
512	Motion picture & sound recording industries	7	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	5	D	D	D	b	D	D
513	Broadcasting & telecommunications	23	94 834	20 659	4 983	677	.6	2.8
5131	Radio & television broadcasting	9	D	D	D	e	D	D
ROCKY MOUNT, VA								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
SALEM, VA (IC)								
512	Motion picture & sound recording industries	1	D	D	D	b	D	D
5121	Motion picture & video industries	1	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
SMITHFIELD, VA								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D

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							From administrative records ¹	Estimated ²
SOUTH BOSTON, VA *								
513	Broadcasting & telecommunications	4	D	D	D	c	D	D
STAUNTON, VA (IC)								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	a	D	D
513	Broadcasting & telecommunications	8	24 934	4 958	1 187	156	—	26.9
SUFFOLK, VA (IC)								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
VIRGINIA BEACH, VA (IC)								
512	Motion picture & sound recording industries	28	44 705	8 803	1 712	518	1.4	9.3
5121	Motion picture & video industries	24	D	D	D	e	D	D
51213	Motion picture & video exhibition	7	12 656	1 619	401	207	—	20.1
512131	Motion picture theaters (except drive-ins)	7	12 656	1 619	401	207	—	20.1
5122	Sound recording industries	4	D	D	D	b	D	D
513	Broadcasting & telecommunications	62	843 904	172 315	32 192	4 214	.1	15.4
5131	Radio & television broadcasting	7	D	D	D	g	D	D
51311	Radio broadcasting	4	D	D	D	c	D	D
513112	Radio stations	4	D	D	D	c	D	D
51312	Television broadcasting	3	D	D	D	g	D	D
513120	Television broadcasting	3	D	D	D	g	D	D
5132	Cable networks & program distribution	8	D	D	D	g	D	D
51321	Cable networks	3	D	D	D	e	D	D
513210	Cable networks	3	D	D	D	e	D	D
51322	Cable & other program distribution	5	D	D	D	f	D	D
513220	Cable & other program distribution	5	D	D	D	f	D	D
514	Information services & data processing services	19	18 164	5 901	856	114	20.5	72.5
5141	Information services	7	10 919	3 281	181	29	5.4	94.6
51419	Other information services	5	D	D	D	a	D	D
WARRENTON, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
WAYNESBORO, VA (IC)								
513	Broadcasting & telecommunications	8	D	D	D	c	D	D
WILLIAMSBURG, VA (IC)								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
WINCHESTER, VA (IC)								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	7	28 651	4 809	1 187	140	15.2	—
WYTHEVILLE, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
BALANCE OF ACCOMACK COUNTY, VA								
513	Broadcasting & telecommunications	7	D	D	D	b	D	D
BALANCE OF ALBEMARLE COUNTY, VA								
512	Motion picture & sound recording industries	8	D	D	D	b	D	D
5121	Motion picture & video industries	7	D	D	D	b	D	D
51213	Motion picture & video exhibition	1	D	D	D	b	D	D
513	Broadcasting & telecommunications	9	D	D	D	e	D	D
514	Information services & data processing services	4	D	D	D	c	D	D
5141	Information services	2	D	D	D	c	D	D
51419	Other information services	1	D	D	D	c	D	D

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							From administrative records ¹	Estimated ²
BALANCE OF AMHERST COUNTY, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
BALANCE OF ARLINGTON COUNTY, VA								
5112	Software publishers	23	92 000	40 691	10 696	677	20.6	16.3
51121	Software publishers	23	92 000	40 691	10 696	677	20.6	16.3
511210	Software publishers	23	92 000	40 691	10 696	677	20.6	16.3
512	Motion picture & sound recording industries	36	D	D	D	f	D	D
5121	Motion picture & video industries	33	D	D	D	f	D	D
51211	Motion picture & video production	18	D	D	D	c	D	D
512110	Motion picture & video production	18	D	D	D	c	D	D
5121102	Motion picture & video production for television	5	D	D	D	c	D	D
51213	Motion picture & video exhibition	4	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	4	D	D	D	c	D	D
51219	Post production & other motion picture & video industries	11	D	D	D	e	D	D
512191	Teleproduction & other postproduction services	11	D	D	D	e	D	D
513	Broadcasting & telecommunications	47	1 994 383	343 087	82 956	5 976	.2	.3
5131	Radio & television broadcasting	9	D	D	D	f	D	D
51311	Radio broadcasting	5	D	D	D	e	D	D
513111	Radio networks	1	D	D	D	c	D	D
514	Information services & data processing services	33	D	D	D	f	D	D
5141	Information services	16	D	D	D	e	D	D
51419	Other information services	11	24 847	10 366	2 475	232	3.5	49.3
514191	Online information services	11	24 847	10 366	2 475	232	3.5	49.3
5142	Data processing services	17	D	D	D	e	D	D
51421	Data processing services	17	D	D	D	e	D	D
514210	Data processing services	17	D	D	D	e	D	D
BALANCE OF AUGUSTA COUNTY, VA								
513	Broadcasting & telecommunications	6	D	D	D	b	D	D
BALANCE OF BOTETOURT COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
BALANCE OF CAMPBELL COUNTY, VA								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
5131	Radio & television broadcasting	1	D	D	D	b	D	D
BALANCE OF CAROLINE COUNTY, VA								
513	Broadcasting & telecommunications	3	D	D	D	b	D	D
BALANCE OF CHESTERFIELD COUNTY, VA								
512	Motion picture & sound recording industries	13	10 228	1 203	246	135	—	.6
5121	Motion picture & video industries	11	D	D	D	c	D	D
51213	Motion picture & video exhibition	6	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	6	D	D	D	c	D	D
513	Broadcasting & telecommunications	25	104 291	19 348	4 817	568	.6	9.0
5131	Radio & television broadcasting	6	D	D	D	c	D	D
514	Information services & data processing services	10	11 109	4 541	1 064	136	.8	6.3

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							From administrative records ¹	Estimated ²
BALANCE OF FAIRFAX COUNTY, VA								
5112	Software publishers	144	703 581	231 301	50 301	2 950	1.3	14.3
51121	Software publishers	144	703 581	231 301	50 301	2 950	1.3	14.3
511210	Software publishers	144	703 581	231 301	50 301	2 950	1.3	14.3
512	Motion picture & sound recording industries	87	D	D	D	g	D	D
5121	Motion picture & video industries	77	D	D	D	g	D	D
51211	Motion picture & video production	41	D	D	D	e	D	D
512110	Motion picture & video production	41	D	D	D	e	D	D
5121101	Motion picture production (except for television)	30	D	D	D	e	D	D
51213	Motion picture & video exhibition	12	D	D	D	e	D	D
512131	Motion picture theaters (except drive-ins)	12	D	D	D	e	D	D
51219	Post production & other motion picture & video industries	18	13 952	6 956	1 670	150	.6	—
512191	Teleproduction & other postproduction services	17	D	D	D	c	D	D
513	Broadcasting & telecommunications	177	4 753 515	872 081	228 016	14 517	6.7	8.3
5131	Radio & television broadcasting	15	D	D	D	c	D	D
51311	Radio broadcasting	10	D	D	D	b	D	D
513112	Radio stations	9	D	D	D	b	D	D
5132	Cable networks & program distribution	12	D	D	D	f	D	D
51322	Cable & other program distribution	11	D	D	D	f	D	D
513220	Cable & other program distribution	11	D	D	D	f	D	D
514	Information services & data processing services	130	D	D	D	i	D	D
5141	Information services	61	1 327 213	336 187	73 464	3 567	.4	1.2
51419	Other information services	59	D	D	D	h	D	D
514191	Online information services	54	D	D	D	h	D	D
514199	All other information services	5	D	D	D	c	D	D
5142	Data processing services	69	D	D	D	h	D	D
51421	Data processing services	69	D	D	D	h	D	D
514210	Data processing services	69	D	D	D	h	D	D
BALANCE OF FREDERICK COUNTY, VA								
513	Broadcasting & telecommunications	6	D	D	D	c	D	D
BALANCE OF GLOUCESTER COUNTY, VA								
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
BALANCE OF HANOVER COUNTY, VA								
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
514	Information services & data processing services	8	D	D	D	b	D	D
BALANCE OF HENRICO COUNTY, VA								
5112	Software publishers	13	33 018	12 577	3 310	266	4.3	59.3
51121	Software publishers	13	33 018	12 577	3 310	266	4.3	59.3
511210	Software publishers	13	33 018	12 577	3 310	266	4.3	59.3
512	Motion picture & sound recording industries	17	20 155	3 264	656	147	.1	26.6
5121	Motion picture & video industries	15	D	D	D	c	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
512131	Motion picture theaters (except drive-ins)	3	D	D	D	b	D	D
513	Broadcasting & telecommunications	49	448 226	83 534	20 860	2 682	.3	8.4
5131	Radio & television broadcasting	8	D	D	D	c	D	D
51311	Radio broadcasting	5	D	D	D	c	D	D
513112	Radio stations	5	D	D	D	c	D	D
5132	Cable networks & program distribution	5	D	D	D	e	D	D
51322	Cable & other program distribution	5	D	D	D	e	D	D
513220	Cable & other program distribution	5	D	D	D	e	D	D
514	Information services & data processing services	27	43 099	20 261	5 090	522	2.8	21.2
5142	Data processing services	18	40 667	19 203	4 820	469	.9	19.4
51421	Data processing services	18	40 667	19 203	4 820	469	.9	19.4
514210	Data processing services	18	40 667	19 203	4 820	469	.9	19.4
BALANCE OF KING GEORGE COUNTY, VA								
513	Broadcasting & telecommunications	2	D	D	D	b	D	D
BALANCE OF LOUDOUN COUNTY, VA								
512	Motion picture & sound recording industries	13	D	D	D	b	D	D
513	Broadcasting & telecommunications	18	D	D	D	f	D	D
514	Information services & data processing services	17	D	D	D	g	D	D
5141	Information services	9	D	D	D	g	D	D
51419	Other information services	8	D	D	D	g	D	D
514191	Online information services	7	D	D	D	g	D	D

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							From administrative records ¹	Estimated ²
BALANCE OF MECKLENBURG COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	b	D	D
BALANCE OF PRINCE WILLIAM COUNTY, VA								
512	Motion picture & sound recording industries	9	D	D	D	c	D	D
5121	Motion picture & video industries	9	D	D	D	c	D	D
51213	Motion picture & video exhibition	5	D	D	D	c	D	D
512131	Motion picture theaters (except drive-ins)	5	D	D	D	c	D	D
513	Broadcasting & telecommunications	19	131 242	14 736	3 599	399	.1	.4
5132	Cable networks & program distribution	1	D	D	D	c	D	D
51322	Cable & other program distribution	1	D	D	D	c	D	D
513220	Cable & other program distribution	1	D	D	D	c	D	D
BALANCE OF RICHMOND COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	c	D	D
BALANCE OF ROANOKE COUNTY, VA								
513	Broadcasting & telecommunications	11	119 638	25 068	7 347	624	—	8.8
BALANCE OF ROCKINGHAM COUNTY, VA								
513	Broadcasting & telecommunications	7	D	D	D	c	D	D
5131	Radio & television broadcasting	5	D	D	D	c	D	D
BALANCE OF SHENANDOAH COUNTY, VA								
513	Broadcasting & telecommunications	5	D	D	D	c	D	D
BALANCE OF SPOTSYLVANIA COUNTY, VA								
512	Motion picture & sound recording industries	3	D	D	D	b	D	D
5121	Motion picture & video industries	3	D	D	D	b	D	D
51213	Motion picture & video exhibition	3	D	D	D	b	D	D
BALANCE OF STAFFORD COUNTY, VA								
512	Motion picture & sound recording industries	2	D	D	D	b	D	D
5121	Motion picture & video industries	2	D	D	D	b	D	D
51213	Motion picture & video exhibition	2	D	D	D	b	D	D
513	Broadcasting & telecommunications	4	D	D	D	b	D	D
BALANCE OF WASHINGTON COUNTY, VA								
513	Broadcasting & telecommunications	6	24 503	5 027	1 271	183	—	18.8
5131	Radio & television broadcasting	4	D	D	D	c	D	D

¹Includes receipts information obtained from administrative records of other Federal agencies.

²Includes receipts information which was imputed based on historic company ratios or administrative records, or on industry averages.

Appendix A.

Explanation of Terms

ANNUAL PAYROLL (\$1,000)

Payroll includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation allowances, sick-leave pay, and employee contributions to qualified pension plans paid during the year to all employees. Also included are tips and gratuities received by employees from patrons and reported to employers and the value of payments in kind (e.g., free meals and lodging). If an employee works at more than one location, the payroll is included in the one location where they spend most of their time. Also included are salaries of professional service organizations or associations which operate under state professional corporation statutes and file a corporate Federal income tax return. Excluded are payrolls of departments or concessions operated by other companies at the establishment. For corporations, payroll includes amounts paid to officers and executives; for unincorporated businesses, it does not include profit or other compensation of proprietors or partners. Payroll is reported before deductions for social security, income tax, insurance, union dues, etc. This definition of payroll is the same as that used by the Internal Revenue Service (IRS) on Form 941.

FIRST-QUARTER PAYROLL (\$1,000)

Represents payroll paid to persons employed at any time during the quarter January to March 1997.

NUMBER OF ESTABLISHMENTS

An establishment is a single physical location at which business is conducted and/or services are provided. It is not necessarily identical with a company or enterprise, which may consist of one establishment or more. Economic census figures represent a summary of reports for individual establishments rather than companies. For cases where a census report was received, separate information was obtained for each location where business was conducted. When administrative records of other Federal agencies were used instead of a census report, no information was available on the number of locations operated. Each economic census establishment was tabulated according to the physical location at which the business was conducted. The count of establishments represents those in business at any time during 1997.

When two activities or more were carried on at a single location under a single ownership, all activities generally were grouped together as a single establishment. The

entire establishment was classified on the basis of its major activity and all data for it were included in that classification. However, when distinct and separate economic activities (for which different industry classification codes were appropriate) were conducted at a single location under a single ownership, separate establishment reports for each of the different activities were obtained in the census. An establishment is included in the census if it is an employer, the establishment has \$1,000 in payroll, and was in operation at any time during 1997. Leased service departments (separately owned businesses operated as departments or concessions of other service establishments or of retail businesses, such as a separately owned shoeshine parlor in a barber shop, or a beauty shop in a department store) are treated as separate service establishments for census purposes. Leased retail departments located in service establishments (e.g., a gift shop located at a hotel) are considered separate retail establishments.

NUMBER OF PAID EMPLOYEES FOR PAY PERIOD INCLUDING MARCH 12

Paid employees consists of full-time and part-time employees, including salaried officers and executives of corporations, who were on the payroll during the pay period including March 12. Included are employees on paid sick leave, paid holidays, and paid vacations; and members of a professional service organization or association which operates under state professional corporation statutes and files a corporate Federal income tax return. Not included are proprietors and partners of unincorporated businesses, and employees of departments or concessions operated by other companies at the establishment. The definition of paid employees is the same as that used on IRS Form 941.

RECEIPTS (\$1,000)

Includes receipts from customers or clients for services rendered, from the use of facilities, and from merchandise sold during 1997, whether or not payment was received in 1997. Receipts include royalties, license fees, and other payments from the marketing of intangible products (e.g., licensing the use of or granting reproduction rights for software, musical compositions, and other intellectual property). Receipts also include the rental and leasing of vehicles, equipment, instruments, tools, etc.; total value of service contracts; market value of compensation received in lieu of cash; amounts received for work subcontracted

to others; dues and assessments for members and affiliates; this establishment's share of receipts from departments, concessions, and vending and amusement machines operated by others. Receipts from services provided to foreign customers from U.S. locations, including services performed for foreign parent firms, subsidiaries, and branches are included. Public broadcast stations and libraries include receipts from contributions, gifts, grants, and income from interest, rental of real estate, and dividends.

Receipts do not include sales and other taxes collected directly from customers of clients and paid directly to a local, state, or Federal tax agency. Also excluded are gross receipts collected on behalf of others; gross receipts or departments or concessions operated by others; sales of used equipment previously rented or leased to customers; proceeds from the sale of real estate (land and buildings), investments, or other assets (except inventory held for

resale); contributions, gifts, grants, and income from interest, rental of real estate, and dividends EXCEPT for public broadcast stations and libraries; domestic intracompany transfers; receipts of foreign subsidiaries; and other non-operating income.

SALES, RECEIPTS, OR REVENUE ESTIMATED (PERCENT)

Percent of total sales/receipts/revenue that was imputed based on historic company ratios or administrative records, or on industry averages.

SALES, RECEIPTS, OR REVENUE FROM ADMINISTRATIVE RECORDS (PERCENT)

Percent of total sales/receipts/revenue obtained from administrative records of other Federal agencies.

Appendix B.

NAICS Codes, Titles, and Descriptions

51 INFORMATION

The Information sector comprises establishments engaged in the following processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) processing data.

The main components of this sector are the publishing industries, including software publishing, the motion picture and sound recording industries, the broadcasting and telecommunications industries, and the information services and data processing services industries.

The expressions “information age” and “global information economy” are used with considerable frequency today. The general idea of an “information economy” includes both the notion of industries primarily producing, processing, and distributing information, as well as the idea that every industry is using available information and information technology to reorganize and make themselves more productive.

For the purpose of developing NAICS, it is the transformation of information into a commodity that is produced and distributed by a number of growing industries that is at issue. The Information sector groups three types of establishments: (1) those engaged in producing and distributing information and cultural products; (2) those that provide the means to transmit or distribute these products as well as data or communications; and (3) those that process data. Cultural products are those that directly express attitudes, opinions, ideas, values, and artistic creativity; provide entertainment; or offer information and analysis concerning the past and present. Included in this definition are popular, mass-produced, products as well as cultural products that normally have a more limited audience, such as poetry books, literary magazines, or classical records.

The unique characteristics of information and cultural products, and of the processes involved in their production and distribution, distinguish the Information sector from the goods-producing and service-producing sectors. Some of these characteristics are:

Unlike traditional goods, an “information or cultural product,” such as a newspaper on-line or television program, does not necessarily have tangible qualities, nor is it necessarily associated with a particular form. A movie can be shown at a movie theater, on a television broadcast, through video-on-demand or rented at a local video store. A sound recording can be aired on radio, embedded in multimedia products, or sold at a record store.

Unlike traditional services, the delivery of these products does not require direct contact between the supplier and the consumer.

The value of these products to the consumer lies in their informational, educational, cultural, or entertainment content, not in the format in which they are distributed. Most of these products are protected from unlawful reproduction by copyright laws.

The intangible property aspect of information and cultural products makes the processes involved in their production and distribution very different from goods and services. Only those possessing the rights to these works are authorized to reproduce, alter, improve, and distribute them. Acquiring and using these rights often involves significant costs. In addition, technology is revolutionizing the distribution of these products. It is possible to distribute them in a physical form, via broadcast, or on-line.

Distributors of information and cultural products can easily add value to the products they distribute. For instance, broadcasters add advertising not contained in the original product. This capacity means that unlike traditional distributors, they derive revenue not from sale of the distributed product to the final consumer, but from those who pay for the privilege of adding information to the original product. Similarly, a database publisher can acquire the rights to thousands of previously published newspaper and periodical articles and add new value by providing search and software and organizing the information in a way that facilitates research and retrieval. These products often command a much higher price than the original information.

The distribution modes for information commodities may either eliminate the necessity for traditional manufacture, or reverse the conventional order of manufacture-distribute: A newspaper distributed on-line, for example, can be printed locally or by the final consumer. Similarly, it is anticipated that packaged software, which today is mainly bought through the traditional retail channels, will soon be available mainly on-line. The NAICS Information sector is designed to make such economic changes transparent as they occur, or to facilitate designing surveys that will monitor the new phenomena and provide data to analyze the changes.

Many of the industries in the NAICS Information sector are engaged in producing products protected by copyright law, or in distributing them (other than distribution by traditional wholesale and retail methods). Examples are traditional publishing industries, software and database publishing industries, and film and sound industries.

Broadcasting and telecommunications industries and information providers and processors are also included in the Information sector, because their technologies are so closely linked to other industries in the Information sector.

511 Publishing Industries

Industries in the Publishing Industries subsector group establishments engaged in the publishing of newspapers, magazines, other periodicals, and books, as well as database and software publishing. In general, these establishments, which are known as publishers, issue copies of works for which they usually possess copyright. Works may be in one or more formats including traditional print form, CD-ROM, or on-line. Publishers may publish works originally created by others for which they have obtained the rights and/or works that they have created in-house. Software publishing is included here because the activity, creation of a copyrighted product and bringing it to market, is equivalent to the creation process for other types of intellectual products.

In NAICS, publishing, the reporting, writing, editing, and other processes that are required to create an edition of a newspaper, is treated as a major economic activity in its own right, rather than as a subsidiary activity to a manufacturing activity, printing. Thus, publishing is classified in the Information sector; whereas, printing remains in the NAICS Manufacturing sector. In part, the NAICS classification reflects the fact that publishing increasingly takes place in establishments that are physically separate from the associated printing establishments. More crucially, the NAICS classification of book and newspaper publishing is intended to portray their roles in a modern economy, in which they do not resemble manufacturing activities.

Music publishers are not included in the Publishing Industries subsector, but are included in the Motion Picture and Sound Recording Industries subsector. Reproduction of prepackaged software is treated in NAICS as a manufacturing activity; on-line distribution of software products is in the Information sector, and custom design of software to client specifications is included in the Professional, Scientific, and Technical Services sector. These distinctions arise because of the different ways that software is created, reproduced, and distributed.

The Information sector does not include products, such as manifold business forms. Information is not the essential component of these items. Establishments producing these items are included in Manufacturing Subsector 323, Printing and Related Support Activities.

5111 Newspaper, Periodical, Book, and Database Publishers

This industry group comprises establishments primarily engaged in publishing newspapers, magazines, other periodicals, books, databases, and other works, such as calendars, greeting cards, and maps. These works are characterized by the intellectual creativity required in their

development and are usually protected by copyright. Publishers distribute or arrange for the distribution of these works.

Publishing establishments may create the works in-house, contract for, purchase, or compile works that were originally created by others. These works may be published in one or more formats, such as print and/or electronic form, including on-line. Establishments in this industry may print, reproduce or offer direct access to the works themselves or may arrange with others the carry out such functions.

Establishments that both print and publish may fill excess capacity with commercial or job printing. However, the publishing activity is still considered to be the primary activity of these establishments.

51111 Newspaper Publishers

This industry comprises establishments known as newspaper publishers. Establishments in this industry carry out operations necessary for producing and distributing newspapers, including gathering news; writing news columns, feature stories, and editorials; and selling and preparing advertisements. These establishments may publish newspapers in print or electronic form.

511110 Newspaper Publishers

This industry comprises establishments known as newspaper publishers. Establishments in this industry carry out operations necessary for producing and distributing newspapers, including gathering news; writing news columns, feature stories, and editorials; and selling and preparing advertisements. These establishments may publish newspapers in print or electronic form.

The data published with NAICS code 511110 include the following SIC industry:

2711 Newspapers

51112 Periodical Publishers

This industry comprises establishments known as magazine or periodical publishers. These establishments carry out the operations necessary for producing and distributing magazines and other periodicals, such as gathering, writing, and editing articles, and selling and preparing advertisements. These establishments may publish magazines and other periodicals in print or electronic form.

511120 Periodical Publishers

This industry comprises establishments known as magazine or periodical publishers. These establishments carry out the operations necessary for producing and distributing magazines and other periodicals, such as gathering, writing, and editing articles, and selling and preparing advertisements. These establishments may publish magazines and other periodicals in print or electronic form.

The data published with NAICS code 511120 include the following SIC industry:

2721 Periodicals

This definition comes from the 1997 NAICS manual. However, for this industry, the 1997 Economic Census — Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 511120 do not include establishments primarily engaged in publishing shopping news. The NAICS definitions will be fully implemented with the 2002 Economic Census.

51113 Book Publishers

This industry comprises establishments known as book publishers. Establishments in this industry carry out design, editing, and marketing activities necessary for producing and distributing books. These establishments may publish books in print, electronic, or audio form.

511130 Book Publishers

This industry comprises establishments known as book publishers. Establishments in this industry carry out design, editing, and marketing activities necessary for producing and distributing books. These establishments may publish books in print, electronic, or audio form.

The data published with NAICS code 511130 include the following SIC industry:

2731 Book publishing (pt)

51114 Database and Directory Publishers

This industry comprises establishments primarily engaged in publishing compilations and collections of information or facts that are logically organized to facilitate their use. These collections may be published in print or electronic form. Electronic versions may be provided directly to customers by the establishment or offered through on-line services or third-party vendors.

511140 Database and Directory Publishers

This industry comprises establishments primarily engaged in publishing compilations and collections of information or facts that are logically organized to facilitate their use. These collections may be published in print or electronic form. Electronic versions may be provided directly to customers by the establishment or offered through on-line services or third-party vendors.

The data published with NAICS code 511140 include the following SIC industries:

2741 Miscellaneous publishing (pt)

7331 Direct mail advertising services (pt)

51119 Other Publishers

This industry comprises establishments known as publishers (except newspaper, magazine, book, directory, database, and music publishers). These establishments may publish works in print or electronic form.

511191 Greeting Card Publishers

This U.S. industry comprises establishments primarily engaged in publishing greeting cards.

The data published with NAICS code 511191 include the following SIC industry:

2771 Greeting cards (pt)

511199 All Other Publishers

This U.S. industry comprises establishments generally known as publishers (except newspaper, magazine, book, directory, database, music, and greeting card publishers). These establishments may publish works in print or electronic form.

The data published with NAICS code 511199 include the following SIC industry:

2741 Miscellaneous publishing (pt)

This definition comes from the 1997 NAICS manual. However, for this industry, the 1997 Economic Census Manufacturing implemented the conversion to NAICS differently. Data for NAICS industry 511199 include establishments primarily engaged in publishing shopping news. The NAICS definitions will be fully implemented with the 2002 Economic Census.

5112 Software Publishers

This industry comprises establishments primarily engaged in computer software publishing or publishing and reproduction. Establishments in this industry carry out operations necessary for producing and distributing computer software, such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These establishments may design, develop, and publish, or publish only.

51121 Software Publishers

This industry comprises establishments primarily engaged in computer software publishing or publishing and reproduction. Establishments in this industry carry out operations necessary for producing and distributing computer software, such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These establishments may design, develop, and publish, or publish only.

511210 Software Publishers

This industry comprises establishments primarily engaged in computer software publishing or publishing and reproduction. Establishments in this industry carry out

operations necessary for producing and distributing computer software, such as designing, providing documentation, assisting in installation, and providing support services to software purchasers. These establishments may design, develop, and publish, or publish only.

The data published with NAICS code 511210 are comprised of the following SIC industry:

7372 Software Publishers

512 Motion Picture and Sound Recording Industries

Industries in the Motion Picture and Sound Recording Industries subsector group establishments involved in the production and distribution of motion pictures and sound recordings. While producers and distributors of motion pictures and sound recordings issue works for sale as traditional publishers do, the processes are sufficiently different to warrant placing establishments engaged in these activities in a separate subsector. Production is typically a complex process that involves several distinct types of establishments that are engaged in activities, such as contracting with performers, creating the film or sound content, and providing technical postproduction services. Film distribution is often to exhibitors, such as theaters and broadcasters, rather than through the wholesale and retail distribution chain. When the product is in a mass-produced form, NAICS treats production and distribution as the major economic activity as it does in the Publishing Industries subsector, rather than as a subsidiary activity to the manufacture of such products.

This subsector does not include establishments primarily engaged in the wholesale distribution of video cassettes and sound recordings, such as compact discs and audio tapes; these establishments are included in the Wholesale Trade sector. Reproduction of video cassettes and sound recordings that is carried out separately from establishments engaged in production and distribution is treated in NAICS as a manufacturing activity.

5121 Motion Picture and Video Industries

This industry group comprises establishments primarily engaged in the production and/or distribution of motion pictures, videos, television programs, or commercials; in the exhibition of motion pictures; or in the provision of postproduction and related services.

51211 Motion Picture and Video Production

This industry comprises establishments primarily engaged in producing, or producing and distributing motion pictures, videos, television programs, or television and video commercials.

512110 Motion Picture and Video Production

This industry comprises establishments primarily engaged in producing, or producing and distributing motion pictures, videos, television programs, or television and video commercials.

The data published with NAICS code 512110 are comprised of the following SIC industry:

7812 Motion Picture and Video Tape Production

5121101 Motion Picture Production (Except for Television)

Establishments primarily engaged in the production (or production and distribution combined) of motion pictures and tapes (including videos) for exhibition other than for television.

5121102 Motion Picture and Video Production for Television

Establishments primarily engaged in the production (or production and distribution combined) of motion pictures and video tapes for television exhibition.

51212 Motion Picture and Video Distribution

This industry comprises establishments primarily engaged in acquiring distribution rights and distributing film and video productions to motion picture theaters, television networks and stations, and exhibitors.

512120 Motion Picture and Video Distribution

This industry comprises establishments primarily engaged in acquiring distribution rights and distributing film and video productions to motion picture theaters, television networks and stations, and exhibitors.

The data published with NAICS code 512120 are comprised of these parts of the following SIC industries:

7822 (pt) Motion Picture Film Exchanges

7822 (pt) Film or Tape Distribution for Television

5121201 Motion Picture Film Exchanges

Establishments primarily engaged in distributing films to exhibitors other than in the field of television. Establishments which distribute movies to airlines are classified here.

5121202 Film or Tape Distribution for Television

Establishments primarily engaged in distributing film or tape to exhibitors in the field of television.

51213 Motion Picture and Video Exhibition

This industry comprises establishments primarily engaged in operating motion picture theaters and/or exhibiting motion pictures or videos at film festivals, and so forth.

512131 Motion Picture Theaters (Except Drive-Ins)

This U.S. industry comprises establishments primarily engaged in operating motion picture theaters (except drive-ins) and/or exhibiting motion pictures or videos at film festivals, and so forth.

The data published with NAICS code 512131 are comprised of the following SIC industry:

7832 Motion Picture Theaters (Except Drive-Ins)

512132 Drive-In Motion Picture Theaters

This U.S. industry comprises establishments primarily engaged in operating drive-in motion picture theaters.

The data published with NAICS code 512132 are comprised of the following SIC industry:

7833 Drive-In Motion Picture Theaters

51219 Postproduction Services and Other Motion Picture and Video Industries

This industry comprises establishments primarily engaged in providing postproduction services and other services to the motion picture industry, including specialized motion picture or video postproduction services, such as editing, film/tape transfers, subtitling, credits, closed captioning, and computer-produced graphics, animation and special effects, as well as developing and processing motion picture film.

512191 Teleproduction and Other Postproduction Services

This U.S. industry comprises establishments primarily engaged in providing specialized motion picture or video postproduction services, such as editing, film/tape transfers, subtitling, credits, closed captioning, and animation and special effects.

The data published with NAICS code 512191 are comprised of this part of the following SIC industry:

7819 (pt) Teleproduction and Other Postproduction Services

512199 Other Motion Picture and Video Industries

This U.S. industry comprises establishments primarily engaged in providing motion picture and video services (except motion picture and video production, distribution, exhibition, and teleproduction and other postproduction services).

The data published with NAICS code 512199 are comprised of these parts of the following SIC industries:

7819 (pt) All Other Services Allied to Motion Picture Production

7829 Services Allied to Film and Video Distribution

5121991 Services Allied to Motion Picture Production

Establishments primarily engaged in providing services allied to motion picture and video production.

5121992 Services Allied to Film and Video Distribution

Establishments primarily engaged in performing allied services to motion picture distribution, such as film delivery services and film purchasing and booking agencies.

5122 Sound Recording Industries

This industry group comprises establishments primarily engaged in producing and distributing musical recordings, in publishing music, or in providing sound recording and related services.

51221 Record Production

This industry comprises establishments primarily engaged in record production (e.g., tapes, CDs). These establishments contract with artists and arrange and finance the production of original master recordings. Establishments in this industry hold the copyright to the master recording and derive most of their revenues from the sales, leasing, and licensing of master recordings. Establishments in this industry do not have their own duplication or distribution capabilities.

512210 Record Production

This industry comprises establishments primarily engaged in record production (e.g., tapes, CDs). These establishments contract with artists and arrange and finance the production of original master recordings. Establishments in this industry hold the copyright to the master recording and derive most of their revenues from the sales, leasing, and licensing of master recordings. Establishments in this industry do not have their own duplication or distribution capabilities.

The data published with NAICS code 512210 are comprised of this part of the following SIC industry:

8999 (pt) Record Production

51222 Integrated Record Production/Distribution

This industry comprises establishments primarily engaged in releasing, promoting, and distributing sound recordings. These establishments manufacture or arrange for the manufacture of recordings, such as audio tapes/cassettes and compact discs, and promote and distribute these products to wholesalers, retailers, or directly to the public. Establishments in this industry produce master recordings themselves, or obtain reproduction and distribution rights to master recordings produced by record production companies or other integrated record companies.

512220 Integrated Record Production/Distribution

This industry comprises establishments primarily engaged in releasing, promoting, and distributing sound recordings. These establishments manufacture or arrange

for the manufacture of recordings, such as audio tapes/cassettes and compact discs, and promote and distribute these products to wholesalers, retailers, or directly to the public. Establishments in this industry produce master recordings themselves, or obtain reproduction and distribution rights to master recordings produced by record production companies or other integrated record companies.

The data published with NAICS code 512220 are comprised of this part of the following SIC industry:

8999 (pt) Integrated Record Production and Distribution

51223 Music Publishers

This industry comprises establishments primarily engaged in acquiring and registering copyrights for musical compositions in accordance with law and promoting and authorizing the use of these compositions in recordings, radio, television, motion pictures, live performances, print, or other media. Establishments in this industry represent the interests of the songwriter or other owners of musical compositions to produce revenues from the use of such works, generally through licensing agreements. These establishments may own the copyright or act as administrator of the music copyrights on behalf of copyright owners.

512230 Music Publishers

This industry comprises establishments primarily engaged in acquiring and registering copyrights for musical compositions in accordance with law and promoting and authorizing the use of these compositions in recordings, radio, television, motion pictures, live performances, print, or other media. Establishments in this industry represent the interests of the songwriter or other owners of musical compositions to produce revenues from the use of such works, generally through licensing agreements. These establishments may own the copyright or act as administrator of the music copyrights on behalf of copyright owners.

The data published with NAICS code 512230 are comprised of these parts of the following SIC industries:

2731 (pt) Music Books: Publishing or Printing and Publishing

2741 (pt) Sheet Music Publishing

8999 (pt) Music Publishing (Except Sheet Music and Music Book Publishing)

5122301 Sheet Music Publishing

Establishments primarily engaged in publishing sheet music.

5122302 Music Book Publishing

Establishments primarily engaged in publishing music books.

5122309 Music Publishing (Except Sheet Music and Music Book Publishing)

Establishments primarily engaged in acquiring and registering copyrights for musical compositions in accordance with law and promoting and authorizing the use of these compositions in recordings, radio, television, motion pictures, live performances, print, or other media generally through licensing agreements. These establishments may own the copyright or act as administrators of the music copyrights on behalf of copyright owners.

51224 Sound Recording Studios

This industry comprises establishments primarily engaged in providing the facilities and technical expertise for sound recording in a studio. Establishments in this industry may provide audio production or postproduction services for producing master recordings, and may provide audio services for film, television, and video productions.

512240 Sound Recording Studios

This industry comprises establishments primarily engaged in providing the facilities and technical expertise for sound recording in a studio. Establishments in this industry may provide audio production or postproduction services for producing master recordings, and may provide audio services for film, television, and video productions.

The data published with NAICS code 512240 are comprised of this part of the following SIC industry:

7389 (pt) Sound Recording Studios

51229 Other Sound Recording Industries

This industry comprises establishments primarily engaged in providing sound recording services (except record production, distribution, music publishing, and sound recording in a studio). Establishments in this industry provide services, such as the audio recording of meetings and conferences.

512290 Other Sound Recording Industries

This industry comprises establishments primarily engaged in providing sound recording services (except record production, distribution, music publishing, and sound recording in a studio). Establishments in this industry provide services, such as the audio recording of meetings and conferences.

The data published with NAICS code 512290 are comprised of these parts of the following SIC industries:

7389 (pt) Audio Taping Services

7922 (pt) Producers of Taped Radio Programs

5122901 Audio Taping Services

Establishments primarily engaged in providing audio taping of meetings and conferences or providing services, such as recording books onto tape, maintaining stock music for the media and other commercial users, and other services allied to the sound recording industries.

5122902 Producers of Taped Radio Programs

Establishments primarily engaged in producing taped radio shows.

513 Broadcasting and Telecommunications

Industries in the Broadcasting and Telecommunications subsector include establishments providing point-to-point communications and the services related to that activity. The industry groups (Radio and Television Broadcasting, Cable Networks and Program Distribution, and Telecommunications) are based on differences in the methods of communication and in the nature of services provided. The Radio and Television Broadcasting industry group includes establishments that operate broadcasting studios and facilities for over the air or satellite delivery of radio and television programs of entertainment, news, talk, and the like. These establishments are often engaged in the production and purchase of programs and generating revenues from the sale of air time to advertisers and from donations, subsidies, and/or the sale of programs. The Cable Networks and Program Distribution industry group includes two types of establishments. Those in the Cable Networks industry operate studios and facilities for the broadcasting of programs that are typically narrowcast in nature (limited format, such as news, sports, education, and youth-oriented programming). The services of these establishments are typically sold on a subscription or fee basis. Delivery of the programs to customers is handled by other establishments, in the Cable and Other Program Distribution industry, that operate cable systems, direct-to-home satellite systems, or other similar systems. The Telecommunications industry group is primarily engaged in operating, maintaining, and/or providing access to facilities for the transmission of voice, data, text, sound, and full motion picture video between network termination points. A transmission facility may be based on a single technology or a combination of technologies. Establishments primarily engaged as independent contractors in the maintenance and installation of broadcasting and telecommunications systems are classified in Sector 23, Construction.

5131 Radio and Television Broadcasting

This industry group comprises establishments primarily engaged in operating broadcast studios and facilities for over-the-air or satellite delivery of radio and television programs. These establishments are often engaged in the

production or purchase of programs or generate revenues from the sale of air time to advertisers, from donations and subsidies, or from the sale of programs.

51311 Radio Broadcasting

This industry comprises establishments primarily engaged in broadcasting audio signals. These establishments operate radio broadcasting studios and facilities for the transmission of aural programming by radio to the public, to affiliates, or to subscribers. The radio programs may include entertainment, news, talk shows, business data, or religious services.

513111 Radio Networks

This U.S. industry comprises establishments primarily engaged in assembling and transmitting aural programming to their affiliates or subscribers via over-the-air broadcasts, cable, or satellite. The programming covers a wide variety of material, such as news services, religious programming, weather, sports, or music.

The data published with NAICS code 513111 are comprised of this part of the following SIC industry:

4832 (pt) Radio Networks

513112 Radio Stations

This U.S. industry comprises establishments primarily engaged in broadcasting aural programs by radio to the public. Programming may originate in their own studios, from an affiliated network, or from external sources.

The data published with NAICS code 513112 are comprised of this part of the following SIC industry:

4832 (pt) Radio Stations

51312 Television Broadcasting

This industry comprises establishments primarily engaged in broadcasting images together with sound. These establishments operate television broadcasting studios and facilities for the programming and transmission of programs to the public. These establishments also produce or transmit visual programming to affiliated broadcast television stations, which in turn broadcast the programs to the public on a predetermined schedule. Programming may originate in their own studios, from an affiliated network, or from external sources.

513120 Television Broadcasting

This industry comprises establishments primarily engaged in broadcasting images together with sound. These establishments operate television broadcasting studios and facilities for the programming and transmission of programs to the public. These establishments also produce or transmit visual programming to affiliated broadcast television stations, which in turn broadcast the programs to the public on a predetermined schedule. Programming may originate in their own studios, from an affiliated network, or from external sources.

The data published with NAICS code 513120 are comprised of the following SIC industry:

4833 Television Broadcasting

5132 Cable Networks and Program Distribution

This industry group comprises establishments that primarily assemble program material and transmit television programs for cable and satellite systems, or that operate these systems.

51321 Cable Networks

This industry comprises establishments primarily engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The broadcast programming is typically narrowcast in nature (e.g., limited format, such as news, sports, education, or youth-oriented). These establishments produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmission to viewers.

513210 Cable Networks

This industry comprises establishments primarily engaged in operating studios and facilities for the broadcasting of programs on a subscription or fee basis. The broadcast programming is typically narrowcast in nature (e.g., limited format, such as news, sports, education, or youth-oriented). These establishments produce programming in their own facilities or acquire programming from external sources. The programming material is usually delivered to a third party, such as cable systems or direct-to-home satellite systems, for transmission to viewers.

The data published with NAICS code 513210 are comprised of this part of the following SIC industry:

4841 (pt) Cable Networks

51322 Cable and Other Program Distribution

This industry comprises establishments primarily engaged as third-party distribution systems for broadcast programming. The establishments of this industry deliver visual, aural, or textual programming received from cable networks, local television stations, or radio networks to consumers via cable or direct-to-home satellite systems on a subscription or fee basis. These establishments do not generally originate programming material.

513220 Cable and Other Program Distribution

This industry comprises establishments primarily engaged as third-party distribution systems for broadcast programming. The establishments of this industry deliver visual, aural, or textual programming received from cable networks, local television stations, or radio networks to

consumers via cable or direct-to-home satellite systems on a subscription or fee basis. These establishments do not generally originate programming material.

The data published with NAICS code 513220 are comprised of this part of the following SIC industry:

4841 (pt) Cable and Other Program Distributor

5133 Telecommunications

This industry group comprises establishments primarily engaged in operating, maintaining or providing access to facilities for the transmission of voice, data, text, and full motion picture video between network termination points and telecommunications reselling. Transmission facilities may be based on a single technology or a combination of technologies.

51331 Wired Telecommunications Carriers

This industry comprises establishments engaged in (1) operating and maintaining switching and transmission facilities to provide direct communications via landlines, microwave, or a combination of landlines and satellite linkups or (2) furnishing telegraph and other nonvocal communications using their own facilities.

513310 Wired Telecommunications Carriers

This industry comprises establishments engaged in (1) operating and maintaining switching and transmission facilities to provide direct communications via landlines, microwave, or a combination of landlines and satellite linkups or (2) furnishing telegraph and other nonvocal communications using their own facilities.

The data published with NAICS code 513310 are comprised of these parts of the following SIC industries:

4813 (pt) Local and Long-Distance Telephone Service

4822 Wired Telecommunications (Except Resellers) - Telegraph Service

5133101 Wired Telecommunications Carriers - Local and Long Distance

Establishments primarily engaged in operating and maintaining switching and transmission facilities to provide direct communications via landlines, microwave, or combination of landlines and satellite linkups. Also included are establishments primarily supporting the operation, maintenance, and access to the communication system.

5133102 Wired Telecommunications Carriers - Telegraph Services

Establishments primarily engaged in furnishing telegraph carrier services and other nonvocal message communication services.

51332 Wireless Telecommunications Carriers (Except Satellite)

This industry comprises establishments primarily engaged in operating and maintaining switching and transmission facilities that provide direct communications via airwaves. Included in this industry are establishments providing wireless telecommunications network services, such as cellular telephone or paging services.

513321 Paging

This U.S. industry comprises establishments primarily engaged in operating paging networks. The establishments of this industry may also supply and maintain equipment used to receive signals.

The data published with NAICS code 513321 are comprised of this part of the following SIC industry:

4812 (pt) Paging Service

513322 Cellular and Other Wireless Telecommunications

This U.S. industry comprises establishments primarily engaged in operating cellular telecommunications and other wireless telecommunications networks (except paging).

The data published with NAICS code 513322 are comprised of these parts of the following SIC industries:

4812 (pt) Cellular Telephone Services
4812 (pt) Other Mobile Radio Services
4899 (pt) Radio Dispatch Services

5133221 Cellular Telephone Services

Establishments primarily engaged in providing wireless cellular networks using wireless cellular telephones and other telecommunications services. The establishments of this industry may also supply and maintain equipment used to receive signals in addition to providing the network.

5133222 Specialized (SMR) and Other Mobile Radio Services

Establishments primarily engaged in providing wireless telecommunications services (except cellular, paging, and radio dispatch).

5133223 Radio Dispatch Services

Establishments primarily engaged in providing radio dispatch services.

51333 Telecommunications Resellers

This industry comprises establishments primarily engaged in purchasing access and network capacity from owners and operators of the networks and reselling wired and wireless telecommunications services to businesses

and households. Establishments in this industry resell telecommunications; they do not operate and maintain telecommunications switching and transmission facilities.

513330 Telecommunications Resellers

This industry comprises establishments primarily engaged in purchasing access and network capacity from owners and operators of the networks and reselling wired and wireless telecommunications services to businesses and households. Establishments in this industry resell telecommunications; they do not operate and maintain telecommunications switching and transmission facilities.

The data published with NAICS code 513330 are comprised of these parts of the following SIC industries:

4812 (pt) Cellular and Paging Resellers
4813 (pt) Telephone Communications (Except Radiophone) Resellers

5133301 Resellers - Cellular or Other Wireless Services

Establishments primarily engaged in purchasing access and network capacity from owners and operators of networks and then reselling wireless communications services to businesses and households. These establishments do not operate or maintain a network.

5133302 Resellers - Wired Telephone Services

Establishment primarily engaged in purchasing access and network capacity from owners and operators of the networks and reselling wired telecommunication services to businesses and households. These establishments do not operate or maintain a network.

51334 Satellite Telecommunications

This industry comprises establishments primarily engaged in providing point-to-point telecommunications services to other establishments in the telecommunications and broadcasting industries by forwarding and receiving communications signals via a system of satellites or reselling satellite telecommunications.

513340 Satellite Telecommunications

This industry comprises establishments primarily engaged in providing point-to-point telecommunications services to other establishments in the telecommunications and broadcasting industries by forwarding and receiving communications signals via a system of satellites or reselling satellite telecommunications.

The data published with NAICS code 513340 are comprised of this part of the following SIC industry:

4899 (pt) Satellite Telecommunications

51339 Other Telecommunications

This industry comprises establishments primarily engaged in (1) providing specialized telecommunications applications, such as satellite tracking, communications telemetry, and radar station operations or (2) providing satellite terminal stations and associated facilities operationally connected with one or more terrestrial communications systems and capable of transmitting telecommunications to or receiving telecommunications from satellite systems.

513390 Other Telecommunications

This industry comprises establishments primarily engaged in (1) providing specialized telecommunications applications, such as satellite tracking, communications telemetry, and radar station operations or (2) providing satellite terminal stations and associated facilities operationally connected with one or more terrestrial communications systems and capable of transmitting telecommunications to or receiving telecommunications from satellite systems.

The data published with NAICS code 513390 are comprised of this part of the following SIC industry:

4899 (pt) Other Telecommunications

514 Information Services and Data Processing Services

Industries in the Information Services and Data Processing Services subsector group establishments providing information, storing information, providing access to information, and processing information. The main components of the subsector are news syndicates, libraries, archives, on-line information service providers, and data processors.

5141 Information Services

This industry group comprises establishments primarily engaged in providing information, storing information, and/or providing access to information.

51411 News Syndicates

This industry comprises establishments primarily engaged in supplying information, such as news reports, articles, pictures, and features, to the news media.

514110 News Syndicates

This industry comprises establishments primarily engaged in supplying information, such as news reports, articles, pictures, and features, to the news media.

The data published with NAICS code 514110 are comprised of the following SIC industry:

7383 News Syndicates

51412 Libraries and Archives

This industry comprises establishments primarily engaged in providing library or archive services. These establishments are engaged in maintaining collections of documents (e.g., books, journals, newspapers, and music) and facilitating the use of such documents (recorded information regardless of its physical form and characteristics) as are required to meet the informational, research, educational, or recreational needs of their user. These establishments may also acquire, research, store, preserve, and generally make accessible to the public historical documents, photographs, maps, audio material, audiovisual material, and other archival material of historical interest. All or portions of these collections may be accessible electronically.

514120 Libraries and Archives

This industry comprises establishments primarily engaged in providing library or archive services. These establishments are engaged in maintaining collections of documents (e.g., books, journals, newspapers, and music) and facilitating the use of such documents (recorded information regardless of its physical form and characteristics) as are required to meet the informational, research, educational, or recreational needs of their user. These establishments may also acquire, research, store, preserve, and generally make accessible to the public historical documents, photographs, maps, audio material, audiovisual material, and other archival material of historical interest. All or portions of these collections may be accessible electronically.

The data published with NAICS code 514120 are comprised of the following SIC industry:

8231 Libraries and Archives

51419 Other Information Services

This industry comprises establishments primarily engaged in providing information services (except news syndicates, libraries, and archives). Included in this industry are Internet service providers, on-line information access services, and telephone-based (i.e., toll call) information services. On-line information services establishments are engaged in the provision of direct access to computer-held information published by others via telecommunications networks. These establishments often provide electronic mail services, bulletin boards, browsers, and search routines.

514191 Online Information Services

This U.S. industry comprises Internet access providers, Internet service providers, and similar establishments primarily engaged in providing direct access through telecommunications networks to computer-held information compiled or published by others.

The data published with NAICS code 514191 are comprised of the following SIC industry:

7375 Online Information Services

514199 All Other Information Services

This U.S. industry comprises establishments primarily engaged in providing information services (except news syndicates, libraries, archives, and online information access). Activities performed by establishments in this industry include telephone-based information recordings and information search services on a contract basis.

The data published with NAICS code 514199 are comprised of this part of the following SIC industry:

8999 (pt) All Other Information Services, NEC

5142 Data Processing Services

This industry comprises establishments primarily engaged in providing electronic data processing services. These establishments may provide complete processing and preparation of reports from data supplied by customers; specialized services, such as automated data entry services; or may make data processing resources available to clients on an hourly or timesharing basis.

51421 Data Processing Services

This industry comprises establishments primarily engaged in providing electronic data processing services. These establishments may provide complete processing and preparation of reports from data supplied by customers; specialized services, such as automated data entry services; or may make data processing resources available to clients on an hourly or timesharing basis.

514210 Data Processing Services

This industry comprises establishments primarily engaged in providing electronic data processing services. These establishments may provide complete processing and preparation of reports from data supplied by customers; specialized services, such as automated data entry services; or may make data processing resources available to clients on an hourly or timesharing basis.

The data published with NAICS code 514210 are comprised of the following SIC industry:

7374 Data Processing Services

Appendix C.

Coverage and Methodology

MAIL/NONMAIL UNIVERSE

For this sector, large- and medium-size firms, plus all firms known to operate more than one establishment, were sent questionnaires to be completed and returned to the Census Bureau by mail. For most very small firms, data from existing administrative records of other Federal agencies were used instead. These records provided basic information on location, kind of business, receipts, payroll, number of employees, and legal form of organization.

Firms in the 1997 Economic Census were divided into the mail universe and nonmail universe. The coverage of and the method of obtaining census information from each are described below:

1. The mail universe consisted of firms for which information was obtained by means of a mail canvass and included:
 - a. Large employers, i.e., all multiestablishment firms, and all employer firms with payroll above a specified cutoff (The term “employers” refers to firms with one or more paid employees at any time during 1997 as shown in the active administrative records of other Federal agencies.).
 - b. A sample of small employers, i.e., single-establishment firms with payroll below a specified cutoff, in classifications for which specialized data precluded reliance solely on administrative records sources.
2. The nonmail universe consisted of firms that were not required to file a regular census return and included:
 - a. Selected small employers, i.e., single-establishment firms with payroll below a specified cutoff. Although the payroll cutoff varied by kind of business, small employers in the nonmail universe generally included firms with less than 10 employees and represented about 10 percent of total receipts of establishments covered in the census. Data on receipts, payroll, and employment for small employers in the nonmail universe were derived or estimated from administrative records of other Federal agencies.
 - b. All taxable nonemployers, i.e., all firms subject to Federal income tax with no paid employees during 1997. Receipts information for these firms was obtained from administrative records of other Federal agencies. Although consisting of many firms,

nonemployers accounted for less than 10-percent of total receipts of all establishments covered in the census. The census included only those nonemployer firms which reported a receipts volume of \$1,000 or more during 1997. Data for nonemployers are not included in this report, but are released as part of the “Core Business Statistics Series.”

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

The classifications for all establishments in this sector were assigned in accordance with the 1997 North American Industry Classification System (NAICS) Manual, United States. NAICS is a common classification system developed by the United States, Canada, and Mexico. This system replaces the 1987 Standard Industrial Classification (SIC) that was used in previous censuses. Appendix A of the 1997 NAICS manual provides information on the comparability between the 1987 SIC and the 1997 NAICS. More information on NAICS is available in the NAICS manual and at www.census.gov/naics.

The method of assigning classifications, and the level of detail at which establishments were classified, differed between the mail and nonmail universe as follows:

1. The mail universe.
 - a. Establishments in the mail universe were classified on the basis of their self-designation, sources of receipts, and other industry-specific inquiries.
2. The nonmail universe.
 - a. Selected small employers were classified on the basis of the most current kind-of-business classification available from one of the Census Bureau’s current sample surveys or the 1992 Economic Census. Otherwise, the classification was obtained from administrative records of other Federal agencies. If the census or administrative record classifications proved inadequate (none corresponded to a 1997 Economic Census classification in the detail required for employers), the firm was sent a brief inquiry requesting information necessary to assign a 1997 census kind-of-business code.
 - b. Nonemployers were classified on the basis of information obtained from administrative records of other Federal agencies.

RELIABILITY OF DATA

All data compiled for this sector are subject to nonsampling errors. Nonsampling errors can be attributed to many sources: inability to identify all cases in the actual

universe; definition and classification difficulties; differences in the interpretation of questions; errors in recording or coding the data obtained; and other errors of collection, response, coverage, processing, and estimation for missing or misreported data.

Data presented in the Miscellaneous Subjects and the Sources of Receipts reports for this sector are subject to sampling errors as well as nonsampling errors. Specifically, these data are estimated based on information obtained from census questionnaires mailed to all large employers and to a sample of small employers in the universe. Sampling errors affect these estimates insofar as they may differ from results that would be obtained from a complete enumeration.

The accuracy of these tabulated data is determined by the joint effects of the various nonsampling errors or by the joint effects of sampling and nonsampling errors. No direct measurement of these effects has been obtained except for estimation for missing or misreported data; however, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize the effects of nonsampling errors.

The Census Bureau obtains limited information extracted from administrative records of other Federal agencies. This information is used in conjunction with other information available to the Census Bureau to develop estimates for nonemployers, small employers, and other establishments for which responses were not received in time for publication.

TREATMENT OF NONRESPONSE

Census report forms included two different types of inquiries, "basic" and "industry-specific." Data for the basic inquiries, which include location, kind of business or

operation, receipts, payroll, number of employees, and legal form of organization, were available from a combination of sources for all establishments. Data for industry-specific inquiries, tailored to the particular kinds of business or operation covered by the report, were available only from the establishments in the mail universe that completed the appropriate inquiries on the questionnaire.

Data for industry-specific inquiries in this sector were expanded in most cases to account for establishments that did not respond to the particular inquiry for which data are presented. Data presented for industry-specific inquiries based on a December 31 reference date were expanded in direct relationship to total receipts of only those establishments in business at the end of the year. Unless otherwise noted in specific reports, data for other industry-specific inquiries were expanded in direct relationship to total receipts of all establishments included in the category. In a few cases expansion on the basis of the receipts item was not appropriate, and another basic data item was used as the basis for expansion of reported data to account for nonrespondents.

All reports in which data were expanded to account for nonmail employers and nonrespondents include a coverage indicator for each publication category, which shows the receipts of establishments responding to the industry-specific inquiry as a percent of total receipts for all establishments for which data are shown. For some inquiries, coverage is determined by the ratio of total payroll or employment of establishments responding to the inquiry to total payroll or employment of all establishments in the category.

Appendix D. Geographic Notes

VIRGINIA

Castlewood was incorporated in April 1991, but this change was not submitted to the Census Bureau until June 1994.

Farmville is in Cumberland and Prince Edward Counties.

Halifax County includes South Boston, formerly an independent city, whose area reverted to Halifax County.

South Boston was formerly an independent city; its area reverted to Halifax County in June 1995.

Appendix E. Metropolitan Areas

VIRGINIA

Charlottesville, VA MSA

Albemarle County, VA
Fluvanna County, VA
Greene County, VA
Charlottesville, VA (IC)

Danville, VA MSA

Pittsylvania County, VA
Danville, VA (IC)

Johnson City—Kingsport—Bristol, TN—VA MSA

Carter County, TN
Hawkins County, TN
Sullivan County, TN
Unicoi County, TN
Washington County, TN
Scott County, VA
Washington County, VA
Bristol, VA (IC)

Lynchburg, VA MSA

Amherst County, VA
Bedford County, VA
Campbell County, VA
Bedford, VA (IC)
Lynchburg, VA (IC)

Norfolk—Virginia Beach—Newport News, VA—NC MSA

Currituck County, NC
Gloucester County, VA
Isle of Wight County, VA
James City County, VA
Mathews County, VA
York County, VA
Chesapeake, VA (IC)

Norfolk—Virginia Beach—Newport News, VA—NC MSA—Con.

Hampton, VA (IC)
Newport News, VA (IC)
Norfolk, VA (IC)
Poquoson, VA (IC)
Portsmouth, VA (IC)
Suffolk, VA (IC)
Virginia Beach, VA (IC)
Williamsburg, VA (IC)

Richmond—Petersburg, VA MSA

Charles City County, VA
Chesterfield County, VA
Dinwiddie County, VA
Goochland County, VA
Hanover County, VA
Henrico County, VA
New Kent County, VA
Powhatan County, VA
Prince George County, VA
Colonial Heights, VA (IC)
Hopewell, VA (IC)
Petersburg, VA (IC)
Richmond, VA (IC)

Roanoke, VA MSA

Botetourt County, VA
Roanoke County, VA
Roanoke, VA (IC)
Salem, VA (IC)

Washington, DC—MD—VA—WV PMSA

District of Columbia, DC
Calvert County, MD
Charles County, MD

Washington, DC—MD—VA—WV PMSA—Con.

Frederick County, MD
Montgomery County, MD
Prince George's County, MD
Arlington County, VA
Clarke County, VA
Culpeper County, VA
Fairfax County, VA
Fauquier County, VA
King George County, VA
Loudoun County, VA
Prince William County, VA
Spotsylvania County, VA
Stafford County, VA
Warren County, VA
Alexandria, VA (IC)
Fairfax, VA (IC)
Falls Church, VA (IC)
Fredericksburg, VA (IC)
Manassas, VA (IC)
Manassas Park, VA (IC)
Berkeley County, WV
Jefferson County, WV

Washington—Baltimore, DC—MD—VA—WV CMSA

Baltimore, MD PMSA
Anne Arundel County, MD
Baltimore County, MD
Carroll County, MD
Harford County, MD
Howard County, MD
Queen Anne's County, MD
Baltimore, MD (IC)

Washington—Baltimore, DC—MD—VA—WV CMSA—Con.

Hagerstown, MD PMSA
Washington County, MD
Washington, DC—MD—VA—WV PMSA
District of Columbia, DC
Calvert County, MD
Charles County, MD
Frederick County, MD
Montgomery County, MD
Prince George's County, MD
Arlington County, VA
Clarke County, VA
Culpeper County, VA
Fairfax County, VA
Fauquier County, VA
King George County, VA
Loudoun County, VA
Prince William County, VA
Spotsylvania County, VA
Stafford County, VA
Warren County, VA
Alexandria, VA (IC)
Fairfax, VA (IC)
Falls Church, VA (IC)
Fredericksburg, VA (IC)
Manassas, VA (IC)
Manassas Park, VA (IC)
Berkeley County, WV
Jefferson County, WV

