



# **FedScope Employment Cube**

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December 2007

**Raw Data Set**

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**Raw Data Set** (<http://www.data.gov/>)

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## 1 OVERVIEW

### 1.1 Purpose

The purpose of this raw data set is to increase public access to high value, machine readable datasets generated by the U.S. Office of Personnel Management. The FedScope Employment Cube data sets are available via [Data.gov](http://Data.gov).

### 1.2 Scope

The scope of this raw data set includes all data elements used in the creation of the FedScope Employment Cube (<http://www.fedscope.opm.gov/>). The Central Personnel Data File (CPDF) is the source for all FedScope data. Data is processed on a quarterly basis (i.e. March, June, September and December).

## 2 RAW DATA SET FILE

### 2.1 FACTDATA

This sequential raw data set provides employee population data as of December 2007. Each record is 37 characters in length and contains 15 data elements. The record layout for FACTDATA.TXT is depicted in [Table 2.1](#) below:

**Table 2.1: FACTDATA.TXT Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Agency	4	1-4
State/Country	2	5-6
Occupation	4	7-10
Occupation Category	1	11
Pay Plan & Grade	5	12-16
General Schedule & Related Grade	2	17-18
Salary Level	1	19
Work Schedule	1	20
Type of Appointment	2	21-22
Gender	1	23
Age	1	24
Length of Service	1	25
Employment	1	26
Average Salary	6	27-32
Average Length of Service	5	33-37
<b>Total Records: 1,866,740</b>		



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### 3 TRANSLATIONS FILES

#### 3.1 Agency

This data file provides translations for the agency data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 49 characters in length and contains 2 data elements. The record layout for Tagysub.txt is depicted in [Table 3.1](#) below:

**Table 3.1: Tagysub.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Agency	4	1-4
Agency Translation	45	5-49
<b>Total Records: 681</b>		

#### 3.2 State/Country

This data file provides translations for the state/country data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 45 characters in length and contains 2 data elements. The record layout for Tstcntry.txt is depicted in [Table 3.2](#) below:

**Table 3.2: Tstcntry.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
State/Country	2	1-2
State/Country Translation	43	3-45
<b>Total Records: 316</b>		

#### 3.3 Occupation

This data file provides translations for the occupation data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 49 characters in length and contains 2 data elements. The record layout for Tocc.txt is depicted in [Table 3.3](#) below:

**Table 3.3: Tocc.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Occupation	4	1-4
Occupation Translation	45	5-49
<b>Total Records: 867</b>		



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### 3.4 Occupation Category

This data file provides translations for the occupation category data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 19 characters in length and contains 2 data elements. The record layout for Tpatco.txt is depicted in [Table 3.4](#) below:

**Table 3.4: Tpatco.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Occupation Category	1	1
Occupation Category Translation	18	2-19
<b>Total Records: 7</b>		

### 3.5 Pay Plan & Grade

This data file provides translations for the pay plan & grade data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 45 characters in length and contains 2 data elements. The record layout for Tpayplan.txt is depicted in [Table 3.5](#) below:

**Table 3.5: Tpayplan.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Pay Plan	2	1-2
Pay Plan Translation	43	3-45
<b>Total Records: 300</b>		

### 3.6 General Schedule & Related Grade

There is no translation file for this data element. See Chapter [4.6](#) for definition of [General Schedule & Related Grade](#).



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### 3.7 Salary Level

This data file provides translations for the salary level data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 20 characters in length and contains 2 data elements. The record layout for Tpaylvl.txt is depicted in [Table 3.6](#) below:

**Table 3.6: Tpaylvl.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Salary Level	1	1
Salary Level Translation	2-20	2-20
<b>Total Records: 19</b>		

### 3.8 Work Schedule

This data file provides translations for the work schedule data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 37 characters in length and contains 2 data elements. The record layout for Tworksch.txt is depicted in [Table 3.7](#) below:

**Table 3.7: Tworksch.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Work Schedule	1	1
Work Schedule Translation	36	2-37
<b>Total Records: 12</b>		

### 3.9 Type of Appointment

This data file provides translations for the type of appointment data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 52 characters in length and contains 2 data elements. The record layout for Ttoa.txt is depicted in [Table 3.8](#) below:

**Table 3.8: Ttoa.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Type of Appointment	2	1-2
Type of Appointment Translation	3-52	3-52
<b>Total Records: 19</b>		



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### 3.10 Gender

This data file provides translations for the gender data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 12 characters in length and contains 2 data elements. The record layout for Tgender.txt is depicted in [Table 3.9](#) below:

**Table 3.9: Tgender.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Gender	1	1
Gender Translation	11	2-12
<b>Total Records: 3</b>		

### 3.11 Age

This data file provides translations for the age data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 13 characters in length and contains 2 data elements. The record layout for Tagelvl.txt is depicted in [Table 3.10](#) below:

**Table 3.10: Tagelvl.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Age	1	1
Age Translation	12	2-13
<b>Total Records: 12</b>		

### 3.12 Length of Service

This data file provides translations for the length of service data element contained in the employee population data file (FACTDATA.TXT). See [Table 2.1](#). Each record is 17 characters in length and contains 2 data elements. The record layout for Tloslvl.txt is depicted in [Table 3.11](#) below:

**Table 3.11: Tloslvl.txt Record Layout**

DATA ELEMENT NAME	LENGTH	POSITION
Length of Service	1	1
Length of Service Translation	16	2-17
<b>Total Records: 11</b>		





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### ***3.13 Employment***

There is no translation file for this data element. Every record in the employee population data file (FACTDATA.TXT) contains a value of "1" for this field. See Chapter [4.13](#) for definition of [Employment](#).

### ***3.14 Average Salary***

There is no translation file for this data element. See Chapter [4.14](#) for definition of [Average Salary](#).

### ***3.15 Average Length of Service***

There is no translation file for this data element. See Chapter [4.15](#) for definition of [Average Length of Service](#).

## **4 DATA DEFINITIONS**

### ***4.1 Agency***

The employing organization.

### ***4.2 State/Country***

The official duty station of an employee. Locations in the United States are defined in terms of states and counties (or county equivalents). Locations outside the United States are defined in terms of countries and U.S. territories.

### ***4.3 Occupation***

An employee's occupation as defined by the Office of Personnel Management (OPM).

### ***4.4 Occupation Category***

Occupational categories are defined by the educational requirements of the occupation and the subject matter and level of difficulty or responsibility of the work.

### ***4.5 Pay Plan & Grade***

The pay system and, where applicable, the grade used to determine an employee's basic pay rate. Grade denotes a hierarchical position in a pay plan and is sometimes referred to as level, class, rank, or pay band.



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#### **4.6 General Schedule & Related Grade**

The General Schedule grade for pay plans in the General Schedule and Related pay plan category (See [Pay Plan & Grade](#)).

#### **4.7 Salary Level**

An employee's adjusted basic pay, which is an annualized rate of pay. Adjusted basic pay is the sum of an employee's rate of basic pay plus any locality comparability payment and/or special pay adjustment for law enforcement officers. Salaries are grouped by \$10,000 intervals, except for an initial interval of less than \$20,000 and a final interval of \$180,000 or more.

An employee's actual earnings may be more or less than the annualized rate because of factors such as overtime, shift differentials, less than full time work, or leave without pay.

#### **4.8 Work Schedule**

The time basis on which an employee is scheduled to work.

#### **4.9 Type of Appointment**

An employee's appointment in terms of permanence and competitiveness.

#### **4.10 Gender**

An employee's gender (male or female).

#### **4.11 Age**

An employee's age. Age is displayed in five-year intervals, except for an initial interval of less than 20 years and a final interval of 65 years or more.

#### **4.12 Length of Service**

The number of years of Federal civilian employment, creditable military service, and other service made creditable by specific legislation. Length of service is grouped by five-year intervals, except for:

- a. the initial intervals of less than 1 year, 1-2 years, and 3-4 years and
- b. the final interval of 35 years or more.

#### **4.13 Employment**

A measure representing the number of employees in pay status at the end of the quarter (or end of the pay period prior to the end of the quarter).



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#### ***4.14 Average Salary***

A measure representing the average adjusted basic pay, an annualized rate of pay. Adjusted basic pay is the sum of an employee's rate of basic pay and any locality comparability payment and/or special pay adjustment for law enforcement officers.

An employee's actual earnings may be more or less than the annualized rate because of factors such as overtime, shift differentials, less than full time work, or leave without pay.

Invalid salary values are excluded from the average. A large number of invalid values could invalidate the average. To obtain counts of invalid values, display the data using the Salary Level dimension (See [Salary Level](#)).

#### ***4.15 Average Length of Service***

A measure representing the average number of years of Federal civilian employment and creditable military service.

Invalid values are excluded from the average. A large number of invalid values could invalidate the average. To obtain counts of invalid values, display the data using the Length of Service dimension (See [Length of Service](#)).

## **5 APPENDIX**

### ***5.1 FedScope General Public Web Site***

More information regarding this raw data set is available at:

- <http://www.fedscope.opm.gov/>

Questions/Comments to: <mailto:FedScope.opm.gov>