Data Dictionary

O*NET® 19.0 Database

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Table of Contents

Introduction

This document provides a reference to the files available in the O*NET 19.0 Database. It serves as documentation for systems analysts, developers, and researchers who plan to use the O*NET 19.0 Database as a basis for developing other products, software, or system applications.

Each file in the O*NET 19.0 Database contains data that can be used to create a database structure with a database management system (DBMS) of choice. The files do **not** represent a database structure, but provide as much content as possible for the database developer to select columns for database field and table creation. The O*NET-SOC Code is a common key/link between the various data elements for developers wishing to create a relational database structure. Additional relationships are depicted in Figures 1-3. The data in each file are contained in tab-delimited text fields with column headings in the first row of the file.

Each file in the O*NET 19.0 Database is described in this document. A list of columns is included, showing the column name used in the file, its data type, and a description of the column content. (Note: The column names provided are intended to be descriptive of the file contents, and are not suggested or required names to be used in constructing database tables.)

File Structure

A description and data example for each file are included. In addition, the File Structure Changes section for each table provides the reader a detailed list of changes that have been made to the structure of the data file since the release of the O*NET 4.0 Database.

The following data types are used in this document:

Character:	fixed-length character string
Character Varying:	varying-length string
Integer:	whole number
Float:	floating point number

The data types specified in the file structures are ANSI (American National Standards Institute) compliant beginning with the release of O*NET Database 10.0. Floating point numbers are represented as Float(5,2) which means 5 total places are in the number with the possibility of 3 before the decimal point and 2 behind the decimal point.

Note: Users should note that these data types refer to the stored values. In generating tab-delimited text files, null values are represented by "n/a". Some variations of field type assignments may be required of users to correctly import the files. These variations are dependent on the application(s) used.

File Relationships

The file descriptions are organized into *data* and *reference* groups. Data files contain occupation-specific information and ratings obtained through the research efforts of O*NET and its partners. Reference files provide context and detail information describing the data collected.

Within these two broad groups, files are grouped into six total sections:

- **Occupation-Level Data Files** contain titles, descriptions, and metadata that apply to an occupation as a whole.

- **Domain Data Files** contain descriptors of work and worker characteristics. Each file covers one aspect of an occupation.

- **Task Data Files** contain information about the unique set of task statements associated with each O*NET-SOC occupation.

- **General Reference Files** contain cross-domain information necessary to understand the data files, including the O*NET Content Model, which identifies and integrates the most important types of information about work into a unified system.

- **Domain Reference Files** contain additional detail about specific domain data files.

- **Task Reference Files** contain additional detail for understanding task data files.

The three tables below provide a visual display of the relationships between files in the O*NET 19.0 Database release. To use each table, select a file name and follow the row across to see its relationships to other files. The column names that provide the linkage between the two files are provided in each intersection cell. Empty intersection cells indicate that there is no relationship between the two files. Click on any file name to jump to the full description.

> **Note:** Every data file contains an O*NET-SOC Code column, which can be used to link any two data files. These relationships are not included in the tables below. O*NET-SOC Codes can be used to:
>
> - **Link occupation titles to data:** The file *Occupation Data* contains full titles and descriptions for every O*NET-SOC occupation. Use the O*NET-SOC Code column in this file to look up occupation information.
>
> - **Link occupation data across domains:** For example, a researcher may wish to examine correlations between descriptors in the *Skills* and *Abilities* data files. These files can be linked through the O*NET-SOC Code column to collate data for a single occupation.

Figure 1 - Relationships of Domain Data Files to Reference Files

		General Reference Files				Domain Reference Files		
		Content Model Reference	Level Scale Anchors	Scales Reference	Survey Booklet Locations	Education, Training, and Exp. Categories	Job Zone Reference	Work Context Categories
Domain Data Files	Abilities	Element ID	Element ID, Scale ID	Scale ID				
	Education, Training, and Experience	Element ID		Scale ID	Element ID, Scale ID	Element ID, Scale ID, Category		
	Interests	Element ID		Scale ID				
	Job Zones						Job Zone	
	Knowledge	Element ID	Element ID, Scale ID	Scale ID	Element ID, Scale ID			
	Skills	Element ID	Element ID, Scale ID	Scale ID				
	Work Activities	Element ID	Element ID, Scale ID	Scale ID	Element ID, Scale ID			
	Work Context	Element ID	Element ID, Scale ID	Scale ID	Element ID, Scale ID			Element ID, Scale ID, Category
	Work Styles	Element ID	Element ID, Scale ID	Scale ID	Element ID, Scale ID			
	Work Values	Element ID		Scale ID				

Figure 2 - Relationships of Task Data Files to Other Files

		General Reference Files				Task Reference Files				Task Data Files				
		Content Model Reference	Level Scale Anchors	Scales Reference	Survey Booklet Locations	DWA Reference	Green DWA Reference	IWA Reference	Task Categories	Green Task Statements	Task Ratings	Task Statements	Tasks to DWAs	Tasks to Green DWAs
Task Data Files	Green Task Statements						Task ID				Task ID	Task ID	Task ID	Task ID
	Task Ratings			Scale ID					Scale ID, Category	Task ID		Task ID	Task ID	Task ID
	Task Statements									Task ID	Task ID		Task ID	Task ID
	Tasks to DWAs					DWA ID				Task ID	Task ID	Task ID		
	Tasks to Green DWAs						Green DWA ID			Task ID	Task ID	Task ID		

Figure 3 - Relationships of Domain and Task Reference Files to General Reference Files

		General Reference Files			
		Content Model Reference	**Level Scale Anchors**	**Scales Reference**	**Survey Booklet Locations**
Domain Ref.	**Education, Training, and Experience Categories**	Element ID		Scale ID	Element ID, Scale ID
	Job Zone Reference				
	Work Context Categories	Element ID		Scale ID	Element ID, Scale ID
Task Ref.	**DWA Reference**	Element ID			
	Green DWA Reference	Element ID			
	IWA Reference	Element ID			
	Task Categories			Scale ID	

Using the O*NET Data and Metadata

Metadata is provided in the O*NET database to provide users with information that will help evaluate the quality and valid use of the data. The needs of individual users of the O*NET database will determine which metadata items are utilized.

To facilitate that use, cells that are shaded or contain **bold** text denote O*NET metadata versus O*NET data. It's assumed that the needs of many users will be met by using O*NET data along with the O*NET metadata that provides the recommended "flags" for "Not Relevant" or "Recommend Suppress". In this case, all unshaded rows in the illustrated file structure should be utilized, including those containing the bold text. Those interested in a more detailed study or use of the database can choose to utilize any or all of the provided metadata items. Metadata is provided at both the item level and at the occupation level. Keys to this information are provided in the Appendices.

Occupation-Level Data Files

Green Occupations

Purpose: Provide a comprehensive list of all Green occupations.

File Name: Green Occupations.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Green Occupational Category	Character Varying(40)	Green Occupational Category

This file contains the occupations that have been identified as Green. The Green occupational categories assigned to the occupations are:

- **Green New & Emerging** — The impact of green economy activities and technologies is sufficient to create the need for unique work and worker requirements, which results in the generation of new occupations.

- **Green Enhanced Skills** — The impact of green economy activities and technologies results in a significant change to the work and worker requirements of an existing O*NET-SOC occupation.

- **Green Increased Demand** — The impact of green economy activities and technologies results in an increase in employment demand, but does not entail significant changes in the work and worker requirements of the occupation.

The file is displayed in two tab delimited fields with the columns named O*NET-SOC Code and Green Occupational Category. The two fields are represented by one row. There are a total of 204 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
16.0	Added as a new file
17.0 - 19.0	No structure changes

Data Example - Green Occupations:

O*NET-SOC Code	Green Occupational Category
17-3023.03	Green Enhanced Skills
17-3024.00	Green Enhanced Skills
17-3024.01	Green New & Emerging
17-3025.00	Green Enhanced Skills
17-3026.00	Green Enhanced Skills

Occupation Data

Purpose: Provide O*NET-SOC codes, titles, and descriptions.

File Name: Occupation Data.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code
Title	Character Varying(150)	O*NET-SOC Title
Description	Character Varying(1000)	O*NET-SOC Description

This file contains each O*NET-SOC code, occupational title, and definition/description.

The file is displayed in three tab delimited fields with the columns named O*NET-SOC Code, Title, and Description. The three fields are represented by one row. There are a total of 1,110 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0 - 8.0	No structure changes
9.0	File name changed from onetsoc_data.txt to Occupation Data.txt
10.0 - 19.0	No structure changes

Data Example - Occupation Data:

O*NET-SOC Code	Title	Description
11-9041.01	Biofuels/Biodiesel Technology and Product Development Managers	Define, plan, or execute biofuels/biodiesel research programs that evaluate alternative feedstock and process technologies with near-term commercial potential.
17-2072.00	Electronics Engineers, Except Computer	Research, design, develop, or test electronic components and systems for commercial, industrial, military, or scientific use employing knowledge of electronic theory and materials properties. Design electronic circuits and components for use in fields such as telecommunications, aerospace guidance and propulsion control, acoustics, or instruments and controls.
19-4031.00	Chemical Technicians	Conduct chemical and physical laboratory tests to assist scientists in making qualitative and quantitative analyses of solids, liquids, and gaseous materials for research and development of new products or processes, quality control, maintenance of environmental standards, and other work involving experimental, theoretical, or practical application of chemistry and related sciences.
29-1066.00	Psychiatrists	Physicians who diagnose, treat, and help prevent disorders of the mind.
45-4011.00	Forest and Conservation Workers	Under supervision, perform manual labor necessary to develop, maintain, or protect areas such as forests, forested areas, woodlands, wetlands, and rangelands through such activities as raising and transporting seedlings; combating insects, pests, and diseases harmful to plant life; and building structures to control water, erosion, and leaching of soil. Includes forester aides, seedling pullers, and tree planters.
51-8012.00	Power Distributors and Dispatchers	Coordinate, regulate, or distribute electricity or steam.

Occupation Level Metadata

Purpose: Provide O*NET-SOC Occupational Level Metadata associated with the incumbent data collection.

File Name: Occupation Level Metadata.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Item	Character Varying(150)	Occupation level statistics
Response	Character Varying(75)	Type of response
N	Integer(4)	Sample size for occupation
Percent	Float(4,1)	Percentage of responses
Date	Character(7)	Date when data was updated

This file contains occupational level metadata variables associated with data collection statistics. Refer to **Appendix 3, *Key to Incumbent Occupation Level Metadata*** for additional descriptions of the data provided in this file.

The file is displayed in six tab delimited fields with the columns named O*NET-SOC Code, Item, Response, N, Percent, and Date. The six fields are represented by one row. There are a total of 34,117 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.1	Added as a new file
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	File name changed from OccLevelMetadata.txt to Occupation Level Metadata.txt
10.0 - 19.0	No structure changes

Data Example - Occupation Level Metadata:

O*NET-SOC Code	Item	Response	N	Percent	Date
19-4031.00	Data Collection Mode	Paper	91	70.3	07/2014
19-4031.00	Data Collection Mode	Web	91	29.7	07/2014
19-4031.00	How Long at Current Job	1-5 Years	91	33.0	07/2014
19-4031.00	How Long at Current Job	10 Years or More	91	42.9	07/2014
19-4031.00	How Long at Current Job	6-9 Years	91	15.4	07/2014
19-4031.00	How Long at Current Job	<1 Year	91	8.8	07/2014
19-4031.00	How Long at Current Job	Missing	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Agriculture, Forestry, Fishing (01-09)	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Construction (15-17)	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Financial, Insurance and Real Estate (60-67)	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Manufacturing (20-39)	91	79.1	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Mining (10-14)	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Non-Classifiable (99)	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Public Administration (90-97)	91	6.6	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Retail Trade (52-59)	91	0.0	07/2014
19-4031.00	Industry Division (Major Group Codes (SIC) within Division in parentheses)	Services (70-89)	91	11.0	07/2014

Domain Data Files

Abilities

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Ability ratings.

File Name: Abilities.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Not Relevant	**Character(1)**	**Not relevant for the occupation (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Ability data associated with each O*NET-SOC occupation. It is displayed in 13 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Not Relevant, Date, and Domain Source. Refer to **Appendix 1, Item Rating Level Statistics - Analyst** for additional information on these items. The 13 fields are represented by one row. There are a total of 97,968 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, and Not Relevant
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress and Not Relevant data types changed from VARCHAR2(1) to CHARACTER(1)
9.0	The file name was changed from Ability.txt to Abilities.txt
10.0 - 19.0	No structure changes

Data Example - Abilities:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Not Relevant	Date	Domain Source
19-4031.00	1.A.1.a.1	Oral Comprehension	IM	3.88	8	0.13	3.63	4.12	N	n/a	07/2014	Analyst
19-4031.00	1.A.1.a.1	Oral Comprehension	LV	4.00	8	0.00	4.00	4.00	N	N	07/2014	Analyst
19-4031.00	1.A.1.a.2	Written Comprehension	IM	3.88	8	0.13	3.63	4.12	N	n/a	07/2014	Analyst
19-4031.00	1.A.1.a.2	Written Comprehension	LV	4.00	8	0.00	4.00	4.00	N	N	07/2014	Analyst
19-4031.00	1.A.1.a.3	Oral Expression	IM	3.38	8	0.18	3.02	3.73	N	n/a	07/2014	Analyst
19-4031.00	1.A.1.a.3	Oral Expression	LV	4.00	8	0.00	4.00	4.00	N	N	07/2014	Analyst
19-4031.00	1.A.1.a.4	Written Expression	IM	3.62	8	0.18	3.27	3.98	N	n/a	07/2014	Analyst
19-4031.00	1.A.1.a.4	Written Expression	LV	3.75	8	0.16	3.43	4.07	N	N	07/2014	Analyst

Education, Training, and Experience

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Education, Training, and Experience ratings.

File Name: Education, Training, and Experience.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Category	Integer(3)	Percent frequency category *(see Education, Training, and Experience Categories)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the percent frequency data associated with Education, Training, and Experience Content Model elements. It is displayed in 13 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Date, and Domain Source. Refer to **Appendix 2,** *Item Rating Level Statistics - Incumbent* for additional information on these items. The 13 fields are represented by one row. There are a total of 38,458 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Added as a new file
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, and Recommend Suppress
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress data type changed from VARCHAR2(1) to CHARACTER(1)
9.0	The file name was changed from EducTrainExp.txt to Education, Training, and Experience.txt
10.0 - 19.0	No structure changes

Data Example - Education, Training, and Experience:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Category	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Date	Domain Source
19-4031.00	2.D.1	Required Level of Education	RL	1	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	2	21.61	32	13.02	5.44	56.92	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	3	0.59	32	0.62	0.07	4.95	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	4	2.41	32	2.31	0.33	15.45	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	5	49.62	32	10.95	28.74	70.64	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	6	25.77	32	11.34	9.39	53.77	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	7	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	8	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	9	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	10	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	11	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	2.D.1	Required Level of Education	RL	12	0.00	32	0.00	n/a	n/a	N	07/2014	Incumbent

Interests

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Interest ratings.

File Name: Interests.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Interest data associated with each O*NET-SOC occupation.

Interest ratings are presented as two scales: OI reports the RIASEC level of each interest and IH presents â##high-point codesâ##, the numbers of the RIASEC scales for the first, second and/or third highest ratings. To better understand the scales, refer to the report: *The Second Generation Occupational Interest Profiles for the O*NET System: Summary*, on the O*NET Resource Center site (http://www.onetcenter.org/reports/SecondOIP_Summary.html).

The high-point values represent the following elements:

> 0.00 = No high point available
> 1.00 = Realistic
> 2.00 = Investigative
> 3.00 = Artistic
> 4.00 = Social
> 5.00 = Enterprising
> 6.00 = Conventional

The file is displayed in seven tab delimited fields with the columns named O*NET-SOC Code, Element ID, Element Name, Scale ID, Data Value, Date, and Domain Source. The seven fields are represented by one row. There are a total of 8,766 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY

Release Number	Description of Change
9.0	The file name was changed from Interest.txt to Interests.txt
10.0 - 19.0	No structure changes

Data Example - Interests:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	Date	Domain Source
11-1011.03	1.B.1.a	Realistic	OI	1.00	07/2013	Analyst
11-1011.03	1.B.1.b	Investigative	OI	4.33	07/2013	Analyst
11-1011.03	1.B.1.c	Artistic	OI	2.67	07/2013	Analyst
11-1011.03	1.B.1.d	Social	OI	2.33	07/2013	Analyst
11-1011.03	1.B.1.e	Enterprising	OI	7.00	07/2013	Analyst
11-1011.03	1.B.1.f	Conventional	OI	4.33	07/2013	Analyst
11-1011.03	1.B.1.g	First Interest High-Point	IH	5.00	07/2013	Analyst
11-1011.03	1.B.1.h	Second Interest High-Point	IH	6.00	07/2013	Analyst
11-1011.03	1.B.1.i	Third Interest High-Point	IH	2.00	07/2013	Analyst
15-1143.00	1.B.1.a	Realistic	OI	4.00	07/2013	Analyst
15-1143.00	1.B.1.b	Investigative	OI	6.00	07/2013	Analyst
15-1143.00	1.B.1.c	Artistic	OI	2.33	07/2013	Analyst
15-1143.00	1.B.1.d	Social	OI	2.00	07/2013	Analyst
15-1143.00	1.B.1.e	Enterprising	OI	5.33	07/2013	Analyst
15-1143.00	1.B.1.f	Conventional	OI	6.00	07/2013	Analyst
15-1143.00	1.B.1.g	First Interest High-Point	IH	2.00	07/2013	Analyst
15-1143.00	1.B.1.h	Second Interest High-Point	IH	6.00	07/2013	Analyst
15-1143.00	1.B.1.i	Third Interest High-Point	IH	5.00	07/2013	Analyst

Job Zones

Purpose: Provide a mapping of O*NET-SOC occupations to Job Zone ratings.

File Name: Job Zones.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Job Zone	Integer(1)	Job Zone number *(see Job Zone Reference)*
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains each O*NET-SOC code and its corresponding Job Zone number.

The file is displayed in four tab delimited fields with the columns named O*NET-SOC Code, Job Zone, Date, and Domain Source. The four fields are represented by one row. There are a total of 943 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	No structure changes
5.1	Date and Domain Source columns added
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	The file name was changed from onetsoc_job_zones.txt to Job Zones.txt
10.0 - 19.0	No structure changes

Data Example - Job Zones:

O*NET-SOC Code	Job Zone	Date	Domain Source
11-9041.01	4	07/2014	Analyst
17-2072.00	4	07/2014	Analyst
19-4031.00	3	07/2014	Analyst
29-1066.00	5	07/2014	Analyst
45-4011.00	3	07/2014	Analyst
51-8012.00	3	07/2014	Analyst

Knowledge

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Knowledge ratings.

File Name: Knowledge.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Not Relevant	**Character(1)**	**Not relevant for the occupation (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Knowledge data associated with each O*NET-SOC occupation. It is displayed in 13 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Not Relevant, Date, and Domain Source. Refer to **Appendix 2, *Item Rating Level Statistics - Incumbent*** for additional information on these items. The 13 fields are represented by one row. There are a total of 62,172 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, and Not Relevant
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress and Not Relevant data types changed from VARCHAR2(1) to CHARACTER(1)
10.0 - 19.0	No structure changes

Data Example - Knowledge:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Not Relevant	Date	Domain Source
19-4031.00	2.C.8.b	Law and Government	IM	1.51	32	0.17	1.18	1.85	N	n/a	07/2014	Incumbent
19-4031.00	2.C.8.b	Law and Government	LV	1.11	32	0.33	0.43	1.78	N	N	07/2014	Incumbent
19-4031.00	2.C.9.a	Telecommunications	IM	1.36	32	0.10	1.16	1.55	N	n/a	07/2014	Incumbent
19-4031.00	2.C.9.a	Telecommunications	LV	0.38	32	0.10	0.17	0.59	N	N	07/2014	Incumbent
19-4031.00	2.C.9.b	Communications and Media	IM	1.36	32	0.10	1.16	1.55	N	n/a	07/2014	Incumbent
19-4031.00	2.C.9.b	Communications and Media	LV	0.75	32	0.23	0.29	1.22	N	N	07/2014	Incumbent
19-4031.00	2.C.10	Transportation	IM	1.33	32	0.14	1.04	1.62	N	n/a	07/2014	Incumbent
19-4031.00	2.C.10	Transportation	LV	0.94	32	0.43	0.06	1.82	N	N	07/2014	Incumbent

Skills

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Skill ratings.

File Name: Skills.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Not Relevant	**Character(1)**	**Not relevant for the occupation (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Skill data associated with each O*NET-SOC occupation. It is displayed in 13 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Not Relevant, Date, and Domain Source. Refer to **Appendix 1, Item Rating Level Statistics - Analyst** for additional information on these items. The 13 fields are represented by one row. There are a total of 65,940 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, and Not Relevant
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress and Not Relevant data types changed from VARCHAR2(1) to CHARACTER(1)
10.0 - 19.0	No structure changes

Data Example - Skills:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Not Relevant	Date	Domain Source
19-4031.00	2.A.1.a	Reading Comprehension	IM	3.88	8	0.13	3.63	4.12	N	n/a	07/2014	Analyst
19-4031.00	2.A.1.a	Reading Comprehension	LV	4.00	8	0.00	4.00	4.00	N	N	07/2014	Analyst
19-4031.00	2.A.1.b	Active Listening	IM	3.62	8	0.18	3.27	3.98	N	n/a	07/2014	Analyst
19-4031.00	2.A.1.b	Active Listening	LV	3.88	8	0.13	3.63	4.12	N	N	07/2014	Analyst
19-4031.00	2.A.1.c	Writing	IM	3.62	8	0.18	3.27	3.98	N	n/a	07/2014	Analyst
19-4031.00	2.A.1.c	Writing	LV	3.75	8	0.16	3.43	4.07	N	N	07/2014	Analyst
19-4031.00	2.A.1.d	Speaking	IM	3.38	8	0.18	3.02	3.73	N	n/a	07/2014	Analyst
19-4031.00	2.A.1.d	Speaking	LV	3.38	8	0.18	3.02	3.73	N	N	07/2014	Analyst

Work Activities

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Work Activity ratings.

File Name: Work Activities.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Not Relevant	**Character(1)**	**Not relevant for the occupation (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Work Activity data associated with each O*NET-SOC occupation. It is displayed in 13 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Not Relevant, Date, and Domain Source. Refer to **Appendix 2, *Item Rating Level Statistics - Incumbent*** for additional information on these items. The 13 fields are represented by one row. There are a total of 77,244 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, and Not Relevant
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress and Not Relevant data types changed from VARCHAR2(1) to CHARACTER(1)
9.0	File name changed from WorkActivity.txt to Work Activities.txt
10.0 - 19.0	No structure changes

Data Example - Work Activities:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Not Relevant	Date	Domain Source
19-4031.00	4.A.1.a.1	Getting Information	IM	4.56	29	0.13	4.30	4.83	N	n/a	07/2014	Incumbent
19-4031.00	4.A.1.a.1	Getting Information	LV	3.75	28	0.40	2.93	4.56	N	N	07/2014	Incumbent
19-4031.00	4.A.1.a.2	Monitor Processes, Materials, or Surroundings	IM	4.30	29	0.14	4.02	4.58	N	n/a	07/2014	Incumbent
19-4031.00	4.A.1.a.2	Monitor Processes, Materials, or Surroundings	LV	4.95	29	0.20	4.53	5.36	N	N	07/2014	Incumbent
19-4031.00	4.A.1.b.1	Identifying Objects, Actions, and Events	IM	3.88	29	0.12	3.63	4.13	N	n/a	07/2014	Incumbent
19-4031.00	4.A.1.b.1	Identifying Objects, Actions, and Events	LV	4.75	29	0.20	4.34	5.15	N	N	07/2014	Incumbent
19-4031.00	4.A.1.b.2	Inspecting Equipment, Structures, or Material	IM	4.07	29	0.25	3.56	4.59	N	n/a	07/2014	Incumbent
19-4031.00	4.A.1.b.2	Inspecting Equipment, Structures, or Material	LV	4.09	29	0.28	3.52	4.66	N	N	07/2014	Incumbent
19-4031.00	4.A.1.b.3	Estimating the Quantifiable Characteristics of Products, Events, or Information	IM	3.84	29	0.22	3.38	4.30	N	n/a	07/2014	Incumbent
19-4031.00	4.A.1.b.3	Estimating the Quantifiable Characteristics of Products, Events, or Information	LV	4.07	29	0.25	3.57	4.58	N	N	07/2014	Incumbent
19-4031.00	4.A.2.a.1	Judging the Qualities of Things, Services, or People	IM	3.50	29	0.20	3.09	3.92	N	n/a	07/2014	Incumbent
19-4031.00	4.A.2.a.1	Judging the Qualities of Things, Services, or People	LV	4.31	29	0.17	3.95	4.66	N	N	07/2014	Incumbent

Work Context

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Work Context ratings.

File Name: Work Context.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Category	Integer(3)	Percent frequency category *(see Work Context Categories)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Not Relevant	**Character(1)**	**Not relevant for the occupation (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Work Context data associated with each O*NET-SOC occupation. It is displayed in 14 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Not Relevant, Date, and Domain Source. Refer to **Appendix 2,** *Item Rating Level Statistics - Incumbent* for additional information on these items. The 14 fields are represented by one row. There are a total of 317,253 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, and Not Relevant
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress and Not Relevant data types changed from VARCHAR2(1) to CHARACTER(1)
9.0	File name changed from WorkContext.txt to Work Context.txt
10.0 - 19.0	No structure changes

Data Example - Work Context:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Category	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Not Relevant	Date	Domain Source
19-4031.00	4.C.3.d.8	Duration of Typical Work Week	CT	n/a	2.19	28	0.10	1.98	2.40	N	n/a	07/2014	Incumbent
19-4031.00	4.C.3.d.8	Duration of Typical Work Week	CTP	1	13.26	28	8.58	3.20	41.40	N	n/a	07/2014	Incumbent
19-4031.00	4.C.3.d.8	Duration of Typical Work Week	CTP	2	54.49	28	11.38	31.82	75.44	N	n/a	07/2014	Incumbent
19-4031.00	4.C.3.d.8	Duration of Typical Work Week	CTP	3	32.25	28	6.46	20.60	46.62	N	n/a	07/2014	Incumbent

Work Styles

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Work Styles ratings.

File Name: Work Styles.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Work Styles data associated with each O*NET-SOC occupation. It is displayed in 12 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Date, and Domain Source. Refer to **Appendix 2, Item Rating Level Statistics - Incumbent** for additional information on these items. The 12 fields are represented by one row. There are a total of 15,056 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Added as a new file
5.1	Columns added for N, Standard Error, Lower CI Bound, Upper CI Bound, and Recommend Suppress
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	Recommend Suppress data type changed from VARCHAR2(1) to CHARACTER(1)
9.0	File name changed from WorkStyles.txt to Work Styles.txt
10.0 - 19.0	No structure changes

Data Example - Work Styles:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Date	Domain Source
19-4031.00	1.C.1.a	Achievement/Effort	IM	3.20	32	0.12	2.95	3.46	N	07/2014	Incumbent
19-4031.00	1.C.1.b	Persistence	IM	2.89	31	0.32	2.25	3.54	N	07/2014	Incumbent
19-4031.00	1.C.1.c	Initiative	IM	3.33	32	0.42	2.47	4.18	N	07/2014	Incumbent
19-4031.00	1.C.2.b	Leadership	IM	2.34	32	0.42	1.49	3.20	N	07/2014	Incumbent
19-4031.00	1.C.3.a	Cooperation	IM	3.81	32	0.11	3.59	4.02	N	07/2014	Incumbent
19-4031.00	1.C.3.b	Concern for Others	IM	3.82	31	0.23	3.35	4.28	N	07/2014	Incumbent
19-4031.00	1.C.3.c	Social Orientation	IM	3.04	32	0.11	2.81	3.27	N	07/2014	Incumbent
19-4031.00	1.C.4.a	Self Control	IM	3.62	32	0.20	3.20	4.03	N	07/2014	Incumbent

Work Values

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to Work Values ratings.

File Name: Work Values.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the Content Model Work Values data associated with each O*NET- SOC occupation.

The column named Data Value provides both the mean extent rating (indicated by the value EX in the Scale ID column) and the top three high-point values for respondents endorsing each occupation (indicated by VH in the Scale ID Column). To better understand the scales, refer to the report: *The Second Generation Occupational Value Profiles for the O*NET System: Summary*, on the O*NET Resource Center site (http://www.onetcenter.org/reports/SecondOVP_Summary.html).

The high-point values represent the following elements:

        0.00 = No high point available
        1.00 = Achievement
        2.00 = Working Conditions
        3.00 = Recognition
        4.00 = Relationships
        5.00 = Support
        6.00 = Independence

The Work Needs ratings were removed from the Work Values file in database release 13.0. The Work Needs are available as a supplemental file that can be downloaded from the O*NET Resource Center site (http://www.onetcenter.org/supplemental.html).

The file is displayed in seven tab delimited fields with the columns named O*NET-SOC Code, Element ID, Element Name, Scale ID, Data Value, Date, and Domain Source. The seven fields are represented by one row. There are a total of 8,766 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Date and Source columns added

Release Number	Description of Change
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.0	Data Value data type changed from NUMBER(9,6) to NUMBER(5,2)
5.1	Source column was renamed to Domain Source
6.0 - 8.0	No structure changes
9.0	The data type for Date was changed from DATE to CHARACTER(7) with the format MM/YYYY
9.0	File name changed from WorkValue.txt to Work Activities.txt
10.0 - 19.0	No structure changes

Data Example - Work Values:

O*NET-SOC Code	Element ID	Element Name	Scale ID	Data Value	Date	Domain Source
11-1011.03	1.B.2.a	Achievement	EX	6.67	07/2012	Analyst
11-1011.03	1.B.2.b	Working Conditions	EX	6.33	07/2012	Analyst
11-1011.03	1.B.2.c	Recognition	EX	6.00	07/2012	Analyst
11-1011.03	1.B.2.d	Relationships	EX	5.00	07/2012	Analyst
11-1011.03	1.B.2.e	Support	EX	3.33	07/2012	Analyst
11-1011.03	1.B.2.f	Independence	EX	6.67	07/2012	Analyst
11-1011.03	1.B.2.g	First Work Value High-Point	VH	1.00	07/2012	Analyst
11-1011.03	1.B.2.h	Second Work Value High-Point	VH	6.00	07/2012	Analyst
11-1011.03	1.B.2.i	Third Work Value High-Point	VH	2.00	07/2012	Analyst

Task Data Files

Green Task Statements

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to green tasks ratings.

File Name: Green Task Statements.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Task ID	Integer(8)	Identifies each task *(see Task Statements)*
Task	Character Varying(1000)	Task statement associated with an occupation
Green Task Type	Character Varying(40)	Green Task Type
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the green tasks associated with O*NET-SOC occupations.

The file is displayed in six tab delimited fields with the columns named O*NET-SOC Code, Task ID, Task, Green Task Type, Date, and Domain Source. The six fields are represented by one row. There are a total of 1,377 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
16.0	Added as a new file
17.0 - 19.0	No structure changes

Data Example - Green Task Statements:

O*NET-SOC Code	Task ID	Task	Green Task Type	Date	Domain Source
17-3025.00	3641	Maintain project logbook records or computer program files.	Existing Green Task	07/2014	Incumbent
17-3025.00	20513	Record laboratory or field data, including numerical data, test results, photographs, or summaries of visual observations.	Existing Green Task	07/2014	Incumbent
17-3025.00	3643	Perform environmental quality work in field or office settings.	Existing Green Task	07/2014	Incumbent
17-3025.00	3654	Produce environmental assessment reports, tabulating data and preparing charts, graphs, or sketches.	Existing Green Task	07/2014	Incumbent
17-3025.00	20514	Collect and analyze pollution samples, such as air or ground water.	Existing Green Task	07/2014	Incumbent
17-3025.00	19688	Decontaminate or test field equipment used to clean or test pollutants from soil, air, or water.	New Green Task	07/2014	Incumbent
17-3025.00	19691	Prepare and package environmental samples for shipping or testing.	New Green Task	07/2014	Incumbent

Task Ratings

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to the ratings for tasks associated with the occupation.

File Name: Task Ratings.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Task ID	Integer(8)	Identifies each task *(see Task Statements)*
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Category	Integer(3)	Percent frequency category *(see Task Categories)*
Data Value	Float(5,2)	Rating associated with the O*NET-SOC occupation
N	Integer(4)	Sample size
Standard Error	Float(5,2)	Standard Error
Lower CI Bound	Float(5,2)	Lower 95% confidence interval bound
Upper CI Bound	Float(5,2)	Upper 95% confidence interval bound
Recommend Suppress	**Character(1)**	**Low precision indicator (Y=yes, N=no)**
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the task ratings associated with each O*NET-SOC occupation. It is displayed in 12 tab delimited fields and identified using the column names provided above. Item rating level metadata is provided in columns named N, Standard Error, Lower CI Bound, Upper CI Bound, Recommend Suppress, Date, and Domain Source. Refer to **Appendix 2, *Item Rating Level Statistics - Incumbent*** for additional information on these items. The 12 fields are represented by one row. There are a total of 166,167 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
13.0	Added as a new file
14.0 - 19.0	No structure changes

Data Example - Task Ratings:

O*NET-SOC Code	Task ID	Scale ID	Category	Data Value	N	Standard Error	Lower CI Bound	Upper CI Bound	Recommend Suppress	Date	Domain Source
19-4031.00	1540	FT	1	0.00	75	0.00	n/a	n/a	N	07/2014	Incumbent
19-4031.00	1540	FT	2	2.83	75	2.76	0.39	17.73	N	07/2014	Incumbent
19-4031.00	1540	FT	3	17.64	75	5.56	9.08	31.47	N	07/2014	Incumbent
19-4031.00	1540	FT	4	30.42	75	14.13	10.36	62.32	N	07/2014	Incumbent
19-4031.00	1540	FT	5	38.77	75	10.54	20.72	60.53	N	07/2014	Incumbent
19-4031.00	1540	FT	6	4.04	75	3.91	0.56	23.92	N	07/2014	Incumbent
19-4031.00	1540	FT	7	6.31	75	3.97	1.74	20.42	N	07/2014	Incumbent
19-4031.00	1540	IM	n/a	4.35	74	0.11	4.13	4.57	N	07/2014	Incumbent
19-4031.00	1540	RT	n/a	76.41	91	8.68	55.45	89.40	N	07/2014	Incumbent

Task Statements

Purpose: Provide a mapping of O*NET-SOC codes (occupations) to tasks associated with the occupation.

File Name: Task Statements.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Task ID	Integer(8)	Identifies each task
Task	Character Varying(1000)	Task statement associated with an occupation
Task Type	Character Varying(12)	"Core" or "Supplemental"
Incumbents Responding	Integer(4)	Number of incumbents providing task information
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file contains the tasks associated with each O*NET-SOC occupation.

The file is displayed in seven tab delimited fields with the columns named O*NET-SOC Code, Task ID, Task, Task Type, Incumbents Responding, Date, and Domain Source. The seven fields are represented by one row. There are a total of 19,493 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
13.0	Added as a new file
14.0 - 19.0	No structure changes

Data Example - Task Statements:

O*NET-SOC Code	Task ID	Task	Task Type	Incumbents Responding	Date	Domain Source
19-4031.00	1540	Prepare chemical solutions for products or processes, following standardized formulas, or create experimental formulas.	Core	91	07/2014	Incumbent
19-4031.00	18477	Provide and maintain a safe work environment by participating in safety programs, committees, or teams and by conducting laboratory or plant safety audits.	Core	91	07/2014	Incumbent
19-4031.00	1539	Provide technical support or assistance to chemists or engineers.	Core	91	07/2014	Incumbent
19-4031.00	20538	Train new employees on topics such as the proper operation of laboratory equipment.	Core	91	07/2014	Incumbent
19-4031.00	1543	Order and inventory materials to maintain supplies.	Core	91	07/2014	Incumbent
19-4031.00	1538	Compile and interpret results of tests and analyses.	Supplemental	89	07/2014	Incumbent
19-4031.00	1544	Develop or conduct programs of sampling and analysis to maintain quality standards of raw materials, chemical intermediates, or products.	Supplemental	89	07/2014	Incumbent

Tasks to DWAs

Purpose: Provide a mapping of task statements to Detailed Work Activities.

File Name: Tasks to DWAs.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Task ID	Integer(8)	Identifies each task *(see Task Statements)*
DWA ID	Character Varying(20)	Identifies each Detailed Work Activity *(see DWA Reference)*
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file maps each Detailed Work Activity (DWA) to the task statements, and consequently to the O*NET-SOC occupations, requiring that activity. Each DWA is mapped to multiple task statements, and each referenced task statement is mapped to one or more DWAs.

The file is displayed in five tab delimited fields with the columns named O*NET-SOC Code, Task ID, DWA ID, Date, and Domain Source. The five fields are represented by one row. There are a total of 22,754 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
18.1	Added as a new file
19.0	No structure changes

Data Example - Tasks to DWAs:

O*NET-SOC Code	Task ID	DWA ID	Date	Domain Source
19-4011.01	20527	4.A.3.a.2.I46.D10	07/2014	Analyst
19-4011.01	20528	4.A.3.a.2.I47.D03	07/2014	Analyst
19-4011.01	20529	4.A.1.a.1.I16.D06	07/2014	Analyst
19-4011.01	20530	4.A.3.a.2.I38.D02	07/2014	Analyst
19-4011.01	20531	4.A.4.b.4.I04.D02	07/2014	Analyst

Tasks to Green DWAs

Purpose: Provide a mapping of task statements to Green Detailed Work Activities.

File Name: Tasks to Green DWAs.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Code *(see Occupation Data)*
Task ID	Integer(8)	Identifies each task *(see Task Statements)*
Green DWA ID	Character Varying(20)	Identifies each Green Detailed Work Activity *(see Green DWA Reference)*
Date	Character(7)	Date when data was updated
Domain Source	Character Varying(30)	Source of the data

This file maps each Green Detailed Work Activity (Green DWA) to the task statements, and consequently to the O*NET-SOC occupations, requiring that activity. Each Green DWA is mapped to multiple task statements, and each referenced task statement is mapped to one or more Green DWAs.

The file is displayed in five tab delimited fields with the columns named O*NET-SOC Code, Task ID, Green DWA ID, Date, and Domain Source. The five fields are represented by one row. There are a total of 1,305 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
18.1	Added as a new file
19.0	No structure changes

Data Example - Tasks to Green DWAs:

O*NET-SOC Code	Task ID	Green DWA ID	Date	Domain Source
17-2072.00	20498	4.A.4.b.6.G05	07/2014	Analyst
17-3025.00	20513	4.A.3.b.6.G03	07/2014	Analyst
17-3025.00	20514	4.A.1.a.1.G05	07/2014	Analyst

General Reference Files

Content Model Reference

Purpose: Provide O*NET Content Model elements.

File Name: Content Model Reference.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position
Element Name	Character Varying(150)	Content Model Element Name
Description	Character Varying(1500)	Content Model Element Description

This file contains the Content Model elements and descriptions.

The file is displayed in three tab delimited fields with the columns named Element ID, Element Name, and Description. The three fields are represented by one row. There are a total of 573 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0 - 8.0	No structure changes
9.0	File name changed from onet_content_model_reference.txt to Content Model Reference.txt
10.0 - 19.0	No structure changes

Data Example - Content Model Reference:

Element ID	Element Name	Description
1	Worker Characteristics	Worker Characteristics
1.A	Abilities	Enduring attributes of the individual that influence performance
1.A.1	Cognitive Abilities	Abilities that influence the acquisition and application of knowledge in problem solving
1.A.1.a	Verbal Abilities	Abilities that influence the acquisition and application of verbal information in problem solving
1.A.1.a.1	Oral Comprehension	The ability to listen to and understand information and ideas presented through spoken words and sentences.

Level Scale Anchors

Purpose: Provide descriptions of O*NET Level Scale Anchors.

File Name: Level Scale Anchors.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Anchor Value	Integer(3)	Anchor value associated with element
Anchor Description	Character Varying(1000)	Detail description of anchor associated with element

This file contains the scale anchors associated with the following four content areas â## 1) Abilities, 2) Knowledge, 3) Skills, and 4) Work Activities. It includes all scale anchors utilized in the data collection survey where the scale anchors are variable and item specific. Scale anchors are not included for those survey items where the scale anchors are fixed. This includes the five-point importance scale and the seven-point task frequency scale. (Note: See O*NET Data Questionnaires at http://www.onetcenter.org/ombclearance.html).

The file is displayed in five tab delimited fields with the columns named Element ID, Element Name, Scale ID, Anchor Value, and Anchor Description. The five fields are represented by one row. There are a total of 483 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.1	Added as a new file
6.0	Added Scale ID column
7.0 - 8.0	No structure changes
9.0	File name changed from Anchors.txt to Level Scale Anchors.txt
9.0	The data for Education, Training, and Experience and Work Context were moved into their own files for data clarity purposes.
10.0 - 19.0	No structure changes

Data Example - Level Scale Anchors:

Element ID	Element Name	Scale ID	Anchor Value	Anchor Description
1.A.1.a.1	Oral Comprehension	LV	2	Understand a television commercial
1.A.1.a.1	Oral Comprehension	LV	4	Understand a coach's oral instructions for a sport
1.A.1.a.1	Oral Comprehension	LV	6	Understand a lecture on advanced physics
1.A.1.a.2	Written Comprehension	LV	2	Understand signs on the highway
1.A.1.a.2	Written Comprehension	LV	4	Understand an apartment lease
1.A.1.a.2	Written Comprehension	LV	6	Understand an instruction book on repairing missile guidance systems
1.A.1.a.3	Oral Expression	LV	2	Cancel newspaper delivery by phone
1.A.1.a.3	Oral Expression	LV	4	Give instructions to a lost motorist
1.A.1.a.3	Oral Expression	LV	6	Explain advanced principles of genetics to college freshmen
1.A.1.a.4	Written Expression	LV	1	Write a note to remind someone to take food out of the freezer
1.A.1.a.4	Written Expression	LV	4	Write a job recommendation for a subordinate

Scales Reference

Purpose: Provide a reference to the scale names and values.

File Name: Scales Reference.txt

Structure and Description:

Column	Type	Column Content
Scale ID	Character Varying(3)	Scale ID
Scale Name	Character Varying(50)	Scale Name
Minimum	Integer(1)	Scale Minimum
Maximum	Integer(3)	Scale Maximum

This file contains the Scale information by which the raw values are measured.

The file is displayed in four tab delimited fields with the columns named Scale ID, Scale Name, Minimum, and Maximum. The four fields are represented by one row. There are a total of 29 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Scale ID data type changed from CHAR(2) to VARCHAR2(3)
5.1 - 8.0	No structure changes
9.0	File name changed from scales_reference.txt to Scales Reference.txt
10.0 - 19.0	No structure changes

Data Example - Scales Reference:

Scale ID	Scale Name	Minimum	Maximum
CT	Context	1	3
CTP	Context (Categories 1-3)	0	100
CX	Context	1	5
CXP	Context (Categories 1-5)	0	100
IM	Importance	1	5
LV	Level	0	7
OJ	On-The-Job Training (Categories 1-9)	0	100
PT	On-Site Or In-Plant Training (Categories 1-9)	0	100
RL	Required Level Of Education (Categories 1-12)	0	100
RW	Related Work Experience (Categories 1-11)	0	100

Survey Booklet Locations

Purpose: Provide survey item numbers for O*NET Content Model elements.

File Name: Survey Booklet Locations.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Survey Item Number	Character Varying(4)	Survey Booklet Location Number
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*

This file contains the Content Model elements that have corresponding survey item numbers in the Survey Booklet.

Each survey item number corresponds to a survey question in the O*NET Questionnaires, found on the O*NET Resource Center site (http://www.onetcenter.org/ombclearance.html). The values for incumbent data categories are percentage ratings corresponding to survey question options. Match the element ID(s) from data files to a survey item number using this file.

The file is displayed in four tab delimited fields with the columns named Element ID, Element Name, Survey Item Number, and Scale ID. The four fields are represented by one row. There are a total of 225 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	Added as a new file
5.1 - 8.0	No structure changes
9.0	File name changed from Survey_Booklet_Location_Reference.txt to Survey Booklet Locations.txt
10.0 - 12.0	No structure changes
13.0	Added Scale ID column
14.0 - 19.0	No structure changes

Data Example - Survey Booklet Locations:

Element ID	Element Name	Survey Item Number	Scale ID
1.C.1.a	Achievement/Effort	KN38	IM
1.C.1.b	Persistence	KN39	IM
1.C.1.c	Initiative	KN40	IM
1.C.2.b	Leadership	KN41	IM
1.C.3.a	Cooperation	KN42	IM
1.C.3.b	Concern for Others	KN43	IM

Domain Reference Files

Education, Training, and Experience Categories

Purpose: Provide descriptions of the Education, Training, and Experience percent frequency categories.

File Name: Education, Training, and Experience Categories.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Category	Integer(3)	Category value associated with element
Category Description	Character Varying(1000)	Detail description of category associated with element

This file contains the categories associated with the Education, Training, and Experience content area. Categories for the following scales are included: Required Level of Education (RL), Related Work Experience (RW), On-Site or In-Plant Training (PT), and On-The-Job Training (OJ).

The file is displayed in five tab delimited fields with the columns named Element ID, Element Name, Scale ID, Category, and Category Description. The five fields are represented by one row. There are a total of 41 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
9.0	Added as a new file
10.0 - 19.0	No structure changes

Data Example - Education, Training, and Experience Categories:

Element ID	Element Name	Scale ID	Category	Category Description
3.A.1	Related Work Experience	RW	1	None
3.A.1	Related Work Experience	RW	2	Up to and including 1 month
3.A.1	Related Work Experience	RW	3	Over 1 month, up to and including 3 months
3.A.1	Related Work Experience	RW	4	Over 3 months, up to and including 6 months
3.A.1	Related Work Experience	RW	5	Over 6 months, up to and including 1 year
3.A.1	Related Work Experience	RW	6	Over 1 year, up to and including 2 years
3.A.1	Related Work Experience	RW	7	Over 2 years, up to and including 4 years
3.A.1	Related Work Experience	RW	8	Over 4 years, up to and including 6 years
3.A.1	Related Work Experience	RW	9	Over 6 years, up to and including 8 years
3.A.1	Related Work Experience	RW	10	Over 8 years, up to and including 10 years
3.A.1	Related Work Experience	RW	11	Over 10 years

Job Zone Reference

Purpose: Provide Job Zone data (developed to help transition DOTâ##s measures of Specific Vocational Preparation (SVP) to O*NETâ##s measure of experience, education, and job training).

File Name: Job Zone Reference.txt

Structure and Description:

Column	Type	Column Content
Job Zone	Integer(1)	Job Zone number
Name	Character Varying(50)	Job Zone name/zone
Experience	Character Varying(300)	Job Zone experience requirements
Education	Character Varying(500)	Job Zone educational requirements
Job Training	Character Varying(300)	Job Zone training requirements
Examples	Character Varying(500)	Job Zone examples
SVP Range	Character Varying(25)	Specific vocational preparation range

This file describes the five O*NET Job Zones, which are groups of occupations that need the same level of experience, education, and training.

The file is displayed in seven tab delimited fields with the columns named Job Zone, Name, Experience, Education, Job Training, Examples, and SVP Range. The seven fields are represented by one row. There are a total of 5 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
5.0	No structure changes
5.1	Number column renamed Job Zone
6.0 - 8.0	No structure changes
9.0	File name changed from job_zone_reference.txt to Job Zone Reference.txt
10.0 - 19.0	No structure changes

Data Example - Job Zone Reference:

Job Zone	Name	Experience	Education	Job Training	Examples	SVP Range
1	Job Zone One: Little or No Preparation Needed	Little or no previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a waiter or waitress even if he/she has never worked before.	Some of these occupations may require a high school diploma or GED certificate.	Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.	These occupations involve following instructions and helping others. Examples include taxi drivers, amusement and recreation attendants, counter and rental clerks, nonfarm animal caretakers, continuous mining machine operators, and waiters/waitresses.	(Below 4.0)
2	Job Zone Two: Some Preparation Needed	Some previous work-related skill, knowledge, or experience is usually needed. For example, a teller would benefit from experience working directly with the public.	These occupations usually require a high school diploma.	Employees in these occupations need anywhere from a few months to one year of working with experienced employees. A recognized apprenticeship program may be associated with these occupations.	These occupations often involve using your knowledge and skills to help others. Examples include sheet metal workers, forest fire fighters, customer service representatives, physical therapist aides, salespersons (retail), and tellers.	(4.0 to < 6.0)
3	Job Zone Three: Medium Preparation Needed	Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job.	Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree.	Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers. A recognized apprenticeship program may be associated with these occupations.	These occupations usually involve using communication and organizational skills to coordinate, supervise, manage, or train others to accomplish goals. Examples include food service managers, electricians, agricultural technicians, legal secretaries, occupational therapy assistants, and medical assistants.	(6.0 to < 7.0)

Work Context Categories

Purpose: Provide description of Work Context categories.

File Name: Work Context Categories.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Element Name	Character Varying(150)	Content Model Element Name
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Category	Integer(3)	Category value associated with element
Category Description	Character Varying(1000)	Detail description of category associated with element

This file contains the categories associated with the Work Context content area. Categories for the following scales are included: Context (CXP) and Context Category (CTP). The file includes categories utilized in the data collection survey where the category descriptions are variable and item specific.

The file is displayed in five tab delimited fields with the columns named Element ID, Element Name, Scale ID, Category, and Category Description. The five fields are represented by one row. There are a total of 281 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
9.0	Added as a new file
10.0 - 19.0	No structure changes

Data Example - Work Context Categories:

Element ID	Element Name	Scale ID	Category	Category Description
4.C.1.a.2.l	Face-to-Face Discussions	CXP	1	Never
4.C.1.a.2.l	Face-to-Face Discussions	CXP	2	Once a year or more but not every month
4.C.1.a.2.l	Face-to-Face Discussions	CXP	3	Once a month or more but not every week
4.C.1.a.2.l	Face-to-Face Discussions	CXP	4	Once a week or more but not every day
4.C.1.a.2.l	Face-to-Face Discussions	CXP	5	Every day
4.C.1.a.4	Contact With Others	CXP	1	No contact with others
4.C.1.a.4	Contact With Others	CXP	2	Occasional contact with others
4.C.1.a.4	Contact With Others	CXP	3	Contact with others about half the time
4.C.1.a.4	Contact With Others	CXP	4	Contact with others most of the time
4.C.1.a.4	Contact With Others	CXP	5	Constant contact with others

Task Reference Files

DWA Reference

Purpose: Provide each Detailed Work Activity.

File Name: DWA Reference.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
IWA ID	Character Varying(20)	Identifies each Intermediate Work Activity *(see IWA Reference)*
DWA ID	Character Varying(20)	Identifies each Detailed Work Activity
DWA Title	Character Varying(150)	Detailed Work Activity statement

This file contains each Detailed Work Activity and its corresponding GWA and IWA identifiers. Each DWA is linked to exactly one IWA, which in turn is linked to exactly one Work Activity from the O*NET Content Model. See *Content Model Reference* and *IWA Reference* for information about these higher-level elements. Each DWA is linked to multiple task statements; see *Tasks to DWAs* for these links.

The file is displayed in four tab delimited fields with the columns named Element ID, IWA ID, DWA ID, and DWA Title. The four fields are represented by one row. There are a total of 2,070 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
18.1	Added as a new file
19.0	No structure changes

Data Example - DWA Reference:

Element ID	IWA ID	DWA ID	DWA Title
4.A.1.a.1	4.A.1.a.1.I01	4.A.1.a.1.I01.D01	Review art or design materials.
4.A.1.a.1	4.A.1.a.1.I01	4.A.1.a.1.I01.D02	Study details of musical compositions.
4.A.2.b.2	4.A.2.b.2.I14	4.A.2.b.2.I14.D06	Design control systems for mechanical or other equipment.
4.A.4.b.6	4.A.4.b.6.I09	4.A.4.b.6.I09.D03	Advise others on health and safety issues.

Green DWA Reference

Purpose: Provide each Green Detailed Work Activity.

File Name: Green DWA Reference.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
Green DWA ID	Character Varying(20)	Identifies each Green Detailed Work Activity
Green DWA Title	Character Varying(150)	Green Detailed Work Activity statement

This file contains each Green Detailed Work Activity and the element ID of its corresponding generalized Work Activity. Each Green DWA is linked to exactly one Work Activity from the O*NET Content Model. Each Green DWA is linked to multiple task statements; see *Tasks to Green DWAs* for these links.

The file is displayed in three tab delimited fields with the columns named Element ID, Green DWA ID, and Green DWA Title. The three fields are represented by one row. There are a total of 174 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
18.1	Added as a new file
19.0	No structure changes

Data Example - Green DWA Reference:

Element ID	Green DWA ID	Green DWA Title
4.A.1.a.1	4.A.1.a.1.G01	Collect geographic information systems (GIS) data.
4.A.1.a.1	4.A.1.a.1.G02	Collect geological data.
4.A.2.b.2	4.A.2.b.2.G09	Design systems for water management, distribution or conservation.
4.A.4.b.6	4.A.4.b.6.G07	Advise others on environmental remediation or restoration procedures.

IWA Reference

Purpose: Provide each Intermediate Work Activity.

File Name: IWA Reference.txt

Structure and Description:

Column	Type	Column Content
Element ID	Character Varying(20)	Content Model Outline Position *(see Content Model Reference)*
IWA ID	Character Varying(20)	Identifies each Intermediate Work Activity
IWA Title	Character Varying(150)	Intermediate Work Activity statement

This file contains each Intermediate Work Activity and its corresponding O*NET Work Activity element ID. Every IWA is linked to exactly one Work Activity from the O*NET Content Model. IWAs are linked to one or more DWAs; see the *DWA Reference* file for these links.

The file is displayed in three tab delimited fields with the columns named Element ID, IWA ID, and IWA Title. The three fields are represented by one row. There are a total of 332 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
18.1	Added as a new file
19.0	No structure changes

Data Example - IWA Reference:

Element ID	IWA ID	IWA Title
4.A.1.a.1	4.A.1.a.1.I01	Study details of artistic productions.
4.A.1.a.1	4.A.1.a.1.I02	Read documents or materials to inform work processes.
4.A.2.b.2	4.A.2.b.2.I14	Design industrial systems or equipment.
4.A.4.c.2	4.A.4.c.2.I01	Perform recruiting or hiring activities.

Task Categories

Purpose: Provide description of Task categories.

File Name: Task Categories.txt

Structure and Description:

Column	Type	Column Content
Scale ID	Character Varying(3)	Scale ID *(see Scales Reference)*
Category	Integer(3)	Category value associated with Scale ID
Category Description	Character Varying(1000)	Detail description of category associated with Scale ID

This file contains the categories associated with the Task content area. Categories for the scale Frequency of Task (FT) are included.

The file is displayed in three tab delimited fields with the columns named Scale ID, Category, and Category Description. The three fields are represented by one row. There are a total of 7 rows of data in this file.

File Structure Changes:

Release Number	Description of Change
13.0	Added as a new file
14.0 - 19.0	No structure changes

Data Example - Task Categories:

Scale ID	Category	Category Description
FT	1	Yearly or less
FT	2	More than yearly
FT	3	More than monthly
FT	4	More than weekly
FT	5	Daily
FT	6	Several times daily
FT	7	Hourly or more

Appendices

Appendix 1. Item Rating Level Statistics - Analyst

Rating Level Statistics

For each of the Ability domain and Skills domain elements, additional rating level statistics, such as Standard Error and data flags are included to help provide a description of the quality of the data values. The file has columns to represent these additional values.

The explanations for the Rating Level Statistics columns are explained in the following definitions.

Standard Error - Standard errors were calculated to provide an indication of each estimate's precision. The standard error of the mean (SEM) is the standard deviation of the ratings across analysts divided by the square root of the number of analysts (i.e., eight). Statistics with large standard errors are generally considered less precise than those with small standard errors.

Upper CI Bound and **Lower CI Bound** - The standard error of the mean (SEM) was used to define a range (confidence interval) around the estimate. The upper and lower bounds of the 95% confidence interval establish this range such that over a large number of sample estimates the probability is .95 that the population mean will be included in a confidence interval of this size. The upper bound of the confidence interval is calculated by taking the SEM and multiplying it by 1.96 and adding that number to the observed mean. The lower bound of the confidence interval is calculated by taking the SEM and multiplying it by 1.96 and subtracting that number from the observed mean.

Recommend Suppress - Users are encouraged to use estimates exhibiting "low precision" with caution and for many applications users are advised to consider suppressing these estimates. Abilities and Skills estimates are considered to have low precision if the standard error is greater than .51. The value of .51 was selected as a suppression criterion because 1.0/1.96 = .5102. An SEM of >.51 means that the upper and lower bounds of the confidence interval are more than 1 scale point away from the observed mean.

Not Relevant –The ability or skill level rating is identified as "not relevant" if 0, 1, or 2 analysts rated importance for that ability ≥ 2 (i.e., six or more analysts rated importance a 1). A value of "Y" indicates 0, 1, or 2 analysts rated importance ≥ 2. A value of "N" indicates more than 2 analysts rated importance ≥ 2. Users are encouraged to provide their end-users with an indication that the item level rating is "not relevant" rather than displaying the level value or displaying no level information.

Appendix 2. Item Rating Level Statistics - Incumbent

Rating Level Statistics

For each of the domain elements, additional rating level statistics, such as Standard Error and data flags are included to help provide a description of the quality of the data values. Each of the domain files (Education, Training, and Experience, Knowledge, Tasks, Work Activities, Work Context, and Work Styles) has columns to represent these additional values.

The explanations for the Rating Level Statistics columns are explained in the following definitions.

Standard Error - Standard errors were calculated to provide an indication of each estimate's precision. The standard error is the square root of the variance of the estimate. Statistics with large variances are generally considered less precise than those with small variances.

Upper CI Bound and **Lower CI Bound** - The standard error was used to define a range (confidence interval) around the estimate. The 95-percent confidence level means that if all possible samples were selected and an estimate of the value and its sampling error were computed for each, then for approximately 95 percent of the samples, the interval would include the "true" average value.

Recommend Suppress - Users are encouraged to use estimates exhibiting "low precision" with caution and for many applications users are advised to consider suppressing these estimates. An estimate is considered to have low precision if any of the following are true: (1) the sample size is less than 10; (2) the variance is 0 and the sample size is less than 15; (3) the relative standard error (RSE) is greater than 0.5. (The RSE of a mean estimate is the ratio of the estimate's standard error to the estimate itself. To calculate the RSE of the estimates expressed as percentages (e.g., the proportion of respondents who indicated they perform a task once per week), the log transformation of the proportion was used.)

Not Relevant – "Level" estimates were flagged as "not relevant" if more than 75% of item respondents to the corresponding "Importance" item rated the item as "not important". Users are encouraged to provide their end-users with an indication that the item level rating is "not relevant" rather than displaying the level value or displaying no level information.

Appendix 3. Key to Incumbent Occupation Level Metadata

Each O*NET-SOC Code has detailed information associated with the O*NET data collection called Occupation Level Metadata. The name and explanation for each data value in the item column is presented below. The O*NET-SOC Level Sample Distribution Statistics, that are provided in the Percent column of the Occupation Level Metadata file, are unweighted percents. Therefore, these values do not represent the estimated distribution of the O*NET-SOC population.

O*NET-SOC Establishment Response Rate - The establishment response rate is the percentage of sampled eligible establishments for the occupation that agreed to participate.

O*NET-SOC Employee Response Rate - The employee response rate is the percentage of participating employees who returned questionnaires.

O*NET-SOC Eligible Expert Response Rate - The eligible expert response rate is the percentage of eligible employees who returned questionnaires.

O*NET-SOC Case Completeness Rate - The case completeness rate for an occupation refers the percentage of total returned questionnaires that were retained after editing and data cleaning.

Total Completes for O*NET-SOC – Total Completes refers to the total number of incumbents who completed one of the four questionnaire types.

Data Collection Mode - Incumbents had the option to complete the questionnaire either using a web-based survey or a paper survey. Valid responses are:

- Paper
- Web

How Long at Current Job - Incumbents indicated in the background questionnaire how long they had been in their current job. Valid responses are:

- 10 years or more
- 6-9 years
- 1-5 years
- <1 year
- Missing

Industry Division (Major Group Codes (SIC) within Division in parentheses) - Each sampled establishment was assigned to one primary industry division in the sampling frame. The Major Industry Group Codes (SIC) within the Division are provided in parentheses. Valid responses are:

- Agriculture, Forestry, Fishing (01 - 09)
- Mining (10 - 14)
- Construction (15 - 17)
- Manufacturing (20 - 39)
- Transportation, Communication, Electric, Gas, and Sanitary Services (40 - 49)

- Wholesale Trade (50 -51)
- Retail Trade (52 - 59)
- Financial, Insurance and Real Estate (60 - 67)
- Services (70 - 89)
- Public Administration (91 - 97)
- Non-classifiable (99)

North American Industry Classification System (NAICS) Sector - Each sampled establishment was assigned to one type of economic activity sector in the sampling frame. Valid responses are:

- Accommodation and food services
- Administrative and support and waste management and remediation services
- Agriculture, forestry, fishing and hunting
- Arts, entertainment, and recreation
- Construction
- Education services
- Finance and insurance
- Health care and social assistance
- Information
- Management of Companies and Enterprises
- Manufacturing
- Mining
- Other services, except public administration
- Professional, Scientific and Technical Services
- Public administration
- Real estate and rental and leasing
- Retail trade
- Transportation and warehousing
- Unclassified
- Utilities
- Wholesale trade

Appendix 4. Content Updates Since Release 4.0

The O*NET 4.0 database represents the final version of an "analyst ratings only" O*NET Database. The ratings for each of the 900+ O*NET-SOC occupations in the 4.0 database were developed by occupational analysts and every occupation contains ratings for the same range of descriptors. The ongoing O*NET data collection program is gradually replacing these original analyst ratings with ratings derived primarily from job incumbents, as well as, ratings from an updated analyst procedure. The database structure and content changes incorporated in 4.0 were made to make the database consistent with data collection program. For more details about these changes, please refer to *Summary of O*NET 4.0 Content Model and Database* (October 2001) (http://www.onetcenter.org/resData.html#summary)

The April 2003 release of the O*NET 5.0 Database represented the first database release to incorporate data from the data collection program. It was the first of planned semi- annual updates of the database to update all O*NET-SOC occupations.

Release 5.0 contained the following:

- New and revised Task Statements (455 occupations)
- Addition of Task Statement ratings (54 occupations)
- Updated Abilities, Work Activities, Knowledge, Skills, and Work Context data (54 occupations)
- Addition of Training and Work Experience, and Education data (54 occupations)
- Addition of Work Styles data (54 occupations)
- Addition of metadata to the file structure to specify source of data and date of update
- Addition of Emerging Task Statements
- Addition of Detailed Work Activities

Release 5.1 contained the following:

- New and Revised Task Statements (69 occupations)
- Updated Job Zones (54 occupations)
- Level Scale Anchors for Skills, Knowledge, Ability, and Work Activity Domains
- New Occupational Level Metadata
  - O*NET-SOC Establishment Response Rate
  - O*NET-SOC Employee Response Rate
  - O*NET-SOC Case Completeness Rate
  - Total Completes for O*NET-SOC
- New Occupational Level Distribution Statistics
  - Data Collection Mode
  - How long at Current Job
  - Industry
- New Ratings Level Metadata
  - Standard Error
  - Lower 95% Confidence Interval Bound

- Upper 95% Confidence Interval Bound
- Sample Size
- Recommended Suppression
- "Not Relevant for the Occupation" flag

Release 6.0 contained the following:

- New and revised Task Statements (140 occupations)
- Addition of Task Statement ratings (126 occupations)
- Updated Abilities, Work Activities, Knowledge, Skills, and Work Context data (126 occupations)
- Addition of Training and Work Experience, and Education data (126 occupations)
- Addition of Work Styles data (126 occupations)
- Updated Job Zones (126 occupations)
- Addition of scale anchors for both the Work Context and for the Education, Training and Experience domains.
- Updated Occupation Level Metadata (126 occupations)

Release 7.0 contained the following:

- Addition of Task Statement ratings (100 occupations)
- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (100 occupations)
- Addition of Education, Training and Work Experience data (100 occupations)
- Addition of Work Styles data (100 occupations)
- Updated Job Zones (100 occupations)
- Updated Occupation Level Metadata (100 occupations)

Release 8.0 contained the following:

- New and revised Task Statements (98 occupations)
- Addition of Task Statement ratings (100 occupations)
- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (100 occupations)
- Addition of Education, Training and Work Experience data (100 occupations)
- Addition of Work Styles data (100 occupations)
- Updated Job Zones (100 occupations)
- Updated Occupation Level Metadata (100 occupations)

Release 9.0 contained the following:

- Addition of Task Statement ratings (100 occupations)
- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (100 occupations)
- Addition of Education, Training and Work Experience data (100 occupations)
- Addition of Work Styles data (100 occupations)

- Updated Job Zones (100 occupations)
- Updated Occupation Level Metadata (100 occupations)

Release 10.0 contained the following:

- Addition of Task Statement ratings (100 occupations)
- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (100 occupations)
- Addition of Education, Training and Work Experience data (100 occupations)
- Addition of Work Styles data (100 occupations)
- Updated Job Zones (100 occupations)
- Updated Occupation Level Metadata (100 occupations)

O*NET Database 10.0 – Updating the O*NET-SOC Taxonomy

In addition to the content update described above, the O*NET 10.0 database was the 1st database release to reflect the updated O*NET-SOC 2006 taxonomy. This taxonomy update is the first major change to the taxonomy since 2000 with its conversion to a SOC-based taxonomy (O*NET-SOC 2000). A summary of this update and implementation of the O*NET-SOC 2006 taxonomy can be found in our *Updating the O*NET-SOC Taxonomy Report* (April, 2006). The report is available for download from the O*NET Resource Center site (http://www.onetcenter.org/reports/UpdatingTaxonomy.html).

Release 11.0 contained the following:

- Addition and update of Task Statement ratings (101 occupations)
- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (101 occupations)
- Addition and update of Education, Training and Work Experience data (101 occupations)
- Addition and update of Work Styles data (101 occupations)
- Updated Job Zones (101 occupations)
- Updated Occupation Level Metadata (101 occupations)

Release 12.0 contained the following:

- Addition and update of Task Statement ratings (100 occupations)
- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (100 occupations)
- Addition and update of Education, Training and Work Experience data (100 occupations)
- Addition and update of Work Styles data (100 occupations)
- Addition and update of Job Zones (101 occupations)
- Updated Occupation Level Metadata (100 occupations)

Release 13.0 contained the following:

- Addition and update of Task Statement ratings (106 occupations)

- Updated Abilities, Knowledge, Skills, Work Activities, and Work Context data (106 occupations)
- Additional Work Context data (106 occupations)
- Addition and update of Education, Training and Work Experience data (106 occupations)
- Addition and update of Work Styles data (106 occupations)
- Addition and update of Job Zones (108 occupations)
- Updated Occupation Level Metadata (106 occupations)
- Addition and update of Interests and Work Values data (812 occupations)

Release 14.0 contained the following:

- Addition and update of Task Statement ratings (117 occupations)
- Addition and update of Abilities, Knowledge, Work Activities, and Work Context data (117 occupations)
- Addition and update of Education, Training and Work Experience data (117 occupations)
- Addition and update of Work Styles data (117 occupations)
- Addition and update of Job Zones (117 occupations)
- Updated Occupation Level Metadata (117 occupations)
- Addition and update of Interests and Work Values data (96 occupations)

O*NET Database 14.0 – Updating the O*NET-SOC Taxonomy

In addition to the content update described above, the O*NET 14.0 database is the 1st database release to reflect the updated O*NET-SOC 2009 taxonomy. This taxonomy update is the second major change to the taxonomy since 2000 with its conversion to a SOC-based taxonomy (O*NET-SOC 2000). This new taxonomy contains an additional 153 New and Emerging (N&E) occupations. For more information about N&E, see *New and Emerging Occupations of the 21st Century: Updating the O*NET-SOC Taxonomy* (March, 2009). This report and an O*NET-SOC 2006 to 2009 "look-up" file are available for download from the O*NET Resource Center web site (http://www.onetcenter.org/taxonomy.html).

Release 15.0 contained the following:

- Addition and update of Task Statement ratings (120 occupations)
- Addition and update of Abilities, Knowledge, Work Activities, and Work Context data (120 occupations)
- Addition and update of Education, Training and Work Experience data (120 occupations)
- Addition and update of Work Styles data (120 occupations)
- Addition and update of Job Zones (120 occupations)
- Updated Occupation Level Metadata (120 occupations)
- Addition and update of Skills data (853 occupations)

Release 15.1 contained the following:

- Codes, titles, and descriptions for 1,110 O*NET-SOC 2010 occupations

- Task statements for 974 O*NET-SOC 2010 occupations in the O*NET Data Collection Plan
- Comprehensive updates for 838 O*NET-SOC 2010 occupations

O*NET Database 15.1 – Updating the O*NET-SOC Taxonomy

The O*NET 15.1 Taxonomy Preview Database aligns the O*NET-SOC taxonomy with the 2010 SOC (Office of Management and Budget, 2010). Data from the O*NET 15.0 database (O*NET-SOC 2009) has been incorporated into the new O*NET-SOC 2010 taxonomy, including the new O*NET-SOC codes, titles, and descriptions. For 838 data-level occupations, the data remains unchanged from its publication in the O*NET 15.0 database. This occurs where the O*NET-SOC 2010 occupation is a clear successor of the O*NET-SOC 2009 occupation. There are 6 exceptional cases where data has been aggregated from one or more source occupations.

Changes made to the O*NET 15.1 Database are summarized below. A historical summary of all database changes since the release of the O*NET 4.0 Database are provided in . In the O*NET 15.1 Database, 545 occupations had changes to their code, title, and/or description that are reflected in the Occupational Data file.

In 15.1, changes in the Domain Files fall into three categories:

- 50 occupations with data in the 15.0 release have a new O*NET-SOC Code in the 2010 taxonomy. The data and metadata for these occupations are unchanged, but the O*NET-SOC Code field now reflects the latest taxonomy. These code changes impact all domain files, and also the Occupation Level Metadata file.

- 6 exceptional occupations feature data aggregated from one or more occupations from the O*NET-SOC 2009 taxonomy. In these cases, "Recommend Suppress" and "Not Relevant" variables carry a "Y" value if ANY of the source occupations carried that value; no other metadata variables are included. Some data elements were not aggregated and are not present for these occupations, including all Education, Training, and Experience elements and all task ratings. These 6 occupations, listed below, will be comprehensively updated in a future release.

13-1071.00	Human Resources Specialists
15-1143.00	Computer Network Architects
23-1012.00	Judicial Law Clerks
51-5112.00	Printing Press Operators
51-5113.00	Print Binding and Finishing Workers
51-9151.00	Photographic Process Workers and Processing Machine Operators

- 26 occupations newly added in the 2010 taxonomy carry new task statements, but not task ratings. This includes the 6 exceptional occupations cited above. With these additional statements, all 974 occupations in the O*NET Data Collection Plan carry full task lists in the 15.1 release.

11-9013.02	Farm and Ranch Managers
11-9061.00	Funeral Service Managers
13-1071.00	Human Resources Specialists

13-1075.00	Labor Relations Specialists
13-1131.00	Fundraisers
13-2071.00	Credit Counselors
15-1143.00	Computer Network Architects
15-1152.00	Computer Network Support Specialists
21-1094.00	Community Health Workers
23-1012.00	Judicial Law Clerks
25-2051.00	Special Education Teachers, Preschool
25-2052.00	Special Education Teachers, Kindergarten and Elementary School
29-1125.01	Art Therapists
29-1125.02	Music Therapists
29-1128.00	Exercise Physiologists
29-2035.00	Magnetic Resonance Imaging Technologists
29-2057.00	Ophthalmic Medical Technicians
29-2099.05	Ophthalmic Medical Technologists
29-2099.07	Surgical Assistants
31-1014.00	Nursing Assistants
31-1015.00	Orderlies
31-9097.00	Phlebotomists
49-2021.00	Radio, Cellular, and Tower Equipment Installers and Repairers
51-5112.00	Printing Press Operators
51-5113.00	Print Binding and Finishing Workers
51-9151.00	Photographic Process Workers and Processing Machine Operators

Release 16.0 contained the following:

- Addition and update of Task Statement ratings (107 occupations)
- Addition and update of Abilities, Knowledge, Skills, Work Activities, and Work Context data (107 occupations)
- Addition and update of Education, Training and Work Experience data (107 occupations)
- Addition and update of Work Styles data (107 occupations)
- Addition and update of Job Zones (107 occupations)
- Updated Occupation Level Metadata (107 occupations)
- New Occupational Level Metadata
  - O*NET-SOC Eligible Expert Response Rate
- Addition of Green Occupations data (204 occupations)
- Addition of Green Task Statements data (140 occupations)

Release 17.0 contained the following:

- Addition and update of Task Statement ratings (108 occupations)
- Addition and update of Abilities, Knowledge, Skills, Work Activities, and Work Context data (108 occupations)
- Addition and update of Education, Training and Work Experience data (108 occupations)
- Addition and update of Work Styles data (108 occupations)
- Addition and update of Work Values data (83 occupations)
- Addition and update of Job Zones (108 occupations)
- Updated Occupation Level Metadata (108 occupations)
- Update of Green Task Statements data (6 occupations)

Release 18.0 contained the following:

- Addition and update of Task Statement ratings (134 occupations)
- Addition and update of Abilities, Knowledge, Skills, Work Activities, and Work Context data (105 occupations)
- Addition and update of Education, Training and Work Experience data (105 occupations)
- Addition and update of Work Styles data (105 occupations)
- Addition and update of Interests data (83 occupations)
- Addition and update of Job Zones (105 occupations)
- Updated Occupation Level Metadata (105 occupations)

Release 18.1 contained the following:

This release includes newly developed Detailed Work Activities (DWAs) data, along with broader Intermediate Work Activities (IWAs) and a separate set of Green DWAs. See the report *Work Activities Project Technical Report* for details (http://www.onetcenter.org/reports/ DWA_2014.html).

The 18.1 release contains five new files:

- DWA Reference.txt
- Green DWA Reference.txt
- IWA Reference.txt
- Tasks to DWAs.txt
- Tasks to Green DWAs.txt

All other files are unchanged from the 18.0 release.

Release 19.0 includes the following:

- Addition and update of Task Statement ratings (importance, relevance, and frequency) for 126 occupations
- Addition and update of Abilities, Skills, Work Activities, Knowledge, and Work Context data for 126 occupations
- Addition and update of Training and Work Experience and Education data for 126 occupations
- Addition and update of Work Styles data for 126 occupations
- Addition and update of Job Zones data for 126 occupations
- Addition and update of Detailed Work Activities (DWAs) and linkages for 126 occupations

Appendix 5. Historical Summary of Database Content Changes

		Release																
		5.0	5.1	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	15.1	16.0	17.0	18.0	18.1	19.0
Occ. Data	Green Occupations														N				
	Occupation Data			U,C		C	C	C				C	U	C					
	Occ. Level Metadata		N	U	U	U	U	U,C	U	U	U	U	U	C	U,C	U	U		U
Domain Data	Abilities	U,N	N,C	U	U	U	U	U,C	U	U	U	U	U	C	U	U	U		U
	Ed, Train, & Exp	N	N	U	U	U	U	U,C	U	U	U	U	U	C	U	U	U		U
	Interests	N						C			U	U		C			U		
	Job Zones		N	U	U	U,C	U,C	U,C	U	U,C	U	U	U	C	U	U	U		U
	Knowledge	U	N	U	U	U	U	U,C	U	U	U	U	U	C	U	U	U		U
	Skills	U,N	N	U	U	U	U	U,C	U	U	U	U,C	U	C	U	U	U		U
	Work Activities	U,N	N	U	U	U	U	U,C	U	U	U	U	U	C	U	U	U		U
	Work Context	U,N	N	U	U	U	U	U,C	U	U	U	U	U	C	U	U	U		U
	Work Styles	N	N	U	U	U	U	U,C	U	U	U	U	U	C	U	U	U		U
	Work Values	N						C			U	U		C		U			
Task Data	Green Task Statements														N	U	U		U
	Task Ratings										U,C	U	U	C	U	U	U		U
	Task Statements										U,C	U	U	C	U,C	U	U		U
	Tasks to DWAs																	N	U
	Tasks to Green DWAs																	N	U
	Tasks	U,N	U,N,C	U,N,C	U,N,C	U,N,C	U,N,C	U,N,C	U	U									
General Reference	Content Model Reference						C		C		N,C								N,C
	Level Scale Anchors		N	U		C	C												
	Scales Reference		C								C								
	Survey Booklet Locations	N									N,C				C				C
Domain Ref.	E.T.E. Categories						C												
	Job Zone Reference						C					C							C
	Work Context Categories						C												
Task Reference	DWA Reference																	N	U
	Green DWA Reference																	N	
	IWA Reference																	N	
	Task Categories										C								

Click a file name to jump to full description and history. **Note: U** = content changes resulting from the data collection program; **N** = data elements/types/descriptors first appearing in the database; and **C** = any other edits made. Shaded cells indicate a file was not present in that release.