Tools and Technology (T2) Examples
January 2013

Introduction

The tools and technology (T2) file provides information on tools, information technology, software, equipment, and machines that workers need to perform successfully on the job. The information is comprehensive, but not exhaustive. Emphasis is placed on cutting edge technologies and emerging workplace practices. Examples of tools and technology used within each occupation are organized into a standardized taxonomy (i.e., the United Nations Standard Products and Service Code - UNSPSC), allowing for cross-occupational comparisons and analysis.

O*NET-SOC 2010 taxonomy

Note: these files are based on the O*NET-SOC 2010 taxonomy, which is used by O*NET database releases 15.1 and later. If you use these files with O*NET 15.0 or earlier, you may notice differences in occupational codes and titles. For more information about the O*NET-SOC 2010 taxonomy, and supplemental files compatible with earlier O*NET databases, please visit the O*NET Resource Center at http://www.onetcenter.org.

File Structure

Each file in the Tools and Technology package 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. A description and data example for each file are also included.

The data types specified in the file structures are ANSI (American National Standards Institute) compliant. The following data types are used in this document:

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

Each file contains tab delimited fields in the above data types.

Tools and Technology

Purpose: Provide Tools and Technology examples.

File Name: Tools and Technology.txt

Structure and Description:

Column	Type	Column Content
O*NET-SOC Code	Character(10)	O*NET-SOC Occupation Code
O*NET-SOC Title	Character Varying(150)	O*NET-SOC Occupation Title
T2 Type	Character Varying(10)	"Tools" or "Technology"
T2 Example	Character Varying(150)	Text of T2 example
Commodity Code	Integer(8)	UNSPSC commodity code
Commodity Title	Character Varying(150)	UNSPSC commodity title

This file contains the Tools and Technology examples associated with O*NET-SOC occupations. Each example is classified in two ways: the column "T2 Type" indicates whether the example is a tool or a technology (software product), and the columns "Commodity Code" and "Commodity Title" classify the example under the United Nations Standard Products and Services Code (UNSPSC). The UNSPSC is described in further detail in the next section.

The file contains 6 tab delimited fields, identified using the column names provided above. The 6 fields are represented by one row. There are a total of 47,271 rows of data in this file.

Data Example:

O*NET-SOC Code	O*NET-SOC Title	T2 Type	T2 Example	Commodity Code	Commodity Title
11-2011.00	Advertising and Promotions Managers	Technology	Actuate software	43231602	Enterprise resource planning ERP software
11-2011.00	Advertising and Promotions Managers	Technology	Adobe Systems Adobe Illustrator	43232102	Graphics or photo imaging software
11-2011.00	Advertising and Promotions Managers	Technology	Adobe Systems Adobe PageMaker	43232112	Desktop publishing software
11-2011.00	Advertising and Promotions Managers	Technology	Adobe Systems Adobe Photoshop software	43232102	Graphics or photo imaging software
11-2011.00	Advertising and Promotions Managers	Technology	AdRelevance software	43232305	Data base reporting software

UNSPSC Reference

Purpose: Provide relevant aspects of the UNSPSC taxonomy.

File Name: UNSPSC Reference.txt

Structure and Description:

Column	Type	Column Content
Commodity Code	Integer(8)	UNSPSC commodity code
Commodity Title	Character Varying(150)	UNSPSC commodity title
Class Code	Integer(8)	UNSPSC class code
Class Title	Character Varying(150)	UNSPSC class title
Family Code	Integer(8)	UNSPSC family code
Family Title	Character Varying(150)	UNSPSC family title
Segment Code	Integer(8)	UNSPSC segment code
Segment Title	Character Varying(150)	UNSPSC segment title

This file contains a listing of commodities in the United Nations Standard Products and Services Code (UNSPSC), version 6.1101. The UNSPSC is a four-level taxonomy for the classification of products and services, provided by the United Nations Development Programme; more information can be found at the UNSPSC web site (http://www.unspsc.org/). In the taxonomy, the Segment is the most general element and the Commodity is the most specific. One example is listed below:

Segment:	**41000000**	Laboratory and Measuring and Observing and Testing Equipment
Family:	**41110000**	Measuring and observing and testing instruments
Class:	**41116200**	Patient point of care testing supplies and equipment
Commodity:	**41116201**	Glucose monitors or meters

Each T2 example is classified under this taxonomy; the "Commodity Code" and "Commodity Title" columns in the Tools and Technology file can be used as a cross-reference into this file.

The file contains 8 tab delimited fields, identified using the column names provided above. The 8 fields are represented by one row. There are a total of 3,156 rows of data in this file.

Data Example:

Commodity Code	Commodity Title	Class Code	Class Title	Family Code	Family Title	Segment Code	Segment Title
12131704	Explosive initiators	12131700	Igniters	12130000	Explosive materials	12000000	Chemicals including Bio Chemicals and Gas Materials
12131707	Lighters	12131700	Igniters	12130000	Explosive materials	12000000	Chemicals including Bio Chemicals and Gas Materials
14111513	Ledger paper	14111500	Printing and writing paper	14110000	Paper products	14000000	Paper Materials and Products
14111802	Receipts or receipt books	14111800	Business use papers	14110000	Paper products	14000000	Paper Materials and Products