

O\*NET 16.0 Crosswalk Database  
Data Dictionary  
Workforce Information Database  
Access & Visual FoxPro Versions



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# Data Dictionary

## O\*NET 16.0 Crosswalk Database

### Access & Visual FoxPro Versions

#### **Introduction**

O\*NET, the Occupational Information Network, is a comprehensive database of worker attributes and job characteristics. As the replacement for the Dictionary of Occupational Titles (DOT), the O\*NET classification and database are the nation's primary sources of occupational information.

Information from the O\*NET Database is available from the National Center for O\*NET Development (<http://www.onetcenter.org/>). The O\*NET Center utilizes two means of delivery: an on-line database viewer (<http://online.onetcenter.org/>) and a downloadable database consisting of a series of tab-delimited text files, along with related file documentation ([http://www.onetcenter.org/dev\\_db.html](http://www.onetcenter.org/dev_db.html)). Version 16.0 of the O\*NET Database was released as a development version in July, 2011 and went into production in the O\*NET Online application in the fall of 2011.

The O\*NET Online system allows visitors to search for O\*NET occupations using crosswalks that link those occupations to other classification. A number of classifications are available. This database contains crosswalks linking O\*NET 16.0 occupations to the following classifications:

2010 Classification of Instructional Programs (CIP)  
Dictionary of Occupational Titles (DOT)  
Military Occupational Classifications (MOC)  
Registered Apprenticeship Partners Information Data System (RAPIDS)

Questions about the content of these files should be directed to the National Crosswalk Service Center at [ncsc@iowa.gov](mailto:ncsc@iowa.gov).

## HOW TO READ A TABLE DEFINITION

Each table definition contains complete information about the structure of a table. Each definition includes: the name of the table, a complete list of each column name and data type, complete constraint information, and short descriptions of the columns. The following illustration identifies each component of a table definition.

**Interest** -- Interest Descriptors and their ratings for each occupation

Column	Type	Constraint	Description
onetcode	char(8)	Primary Key 1	Unique occupation code based on SOC code, modified for O*NET
elementid	char(15)	Primary Key 2	Unique code for O*NET Content Model descriptors
Scalid	char(2)	Primary Key 3	Unique code for O*NET descriptors scale
datavalue	number(6,2)		Value of descriptor rating
<b>Constraint Information</b>			
1 Foreign Key references: onetcode.onetcode 2 Foreign Key references: contmodel.elementid 3 Foreign Key references: scaleref.scaleid			
<b>Other Information</b>			
<ul style="list-style-type: none"> <li>◆ 8,100 Records</li> <li>◆ Source table: interest</li> </ul>			

**Constraint:** Specifies whether this column is part of the Primary Key or participates in one or more Foreign Keys. Numbers in this column refer to Foreign Keys where more detailed information can be found in the **Constraints Information** section.

**Other Information:** Provides count of the number of records in the table and the table(s) in the source O\*NET database from which the contents were derived.

**Constraint Information:** Provides complete information on each Foreign Key used in the table. Each note indicates which table and columns are being referenced.

Short description of the data intended for this column.

## TABLE CONSTRAINTS

The Constraint section of each table definition identifies all Primary Keys and Foreign Keys for the table. The constraints for a table specify rules for data that will be stored in that table. These rules exist in the form of either Primary Keys or Foreign Keys. The definitions of these terms appear below:

**Primary Key:** The *Primary Key* is a column or group of columns that shall always be (1) non-null and (2) unique. Only one primary key exists for each table. A Primary Key constraint is enforced on a table so that each row in the table can be uniquely identified.

**Foreign Key:** A *Foreign Key* is a column or group of columns where each value or group of values exists as a Primary Key in another table. Foreign Key constraints are used so that data for a column or group of columns can be validated against another table containing a list of valid values for that column or group of columns.

## O\*NET 16.0 Data Dictionary – Core Table Formats

**Descriptive Tables:** These tables contain information describing the classifications included in O\*NET 16.0 crosswalk tables.

<b>onetcode</b> -- This table contains one record for each O*NET Occupation			
Column	Type	Constraint	Description
onetcode	char(8)	Primary Key	Unique occupation code based on SOC code, modified for O*NET
onetttitle	char(105)		Occupation title
Constraint Information			
N/A			
Other Information			
◆ 1,110 Records			

<b>cipcode</b> -- This table contains one record for each program in the 2010 Classification of Instructional Programs			
Column	Type	Constraint	Description
cipcode	char(6)	Primary Key	Classification of Instructional Programs code
ciptitle	char(100)		Classification of Instructional Programs title
Constraint Information			
N/A			
Other Information			
◆ 2,118 Records			

<b>dotcode</b> -- This table provides one record for each occupation in the Dictionary of Occupational Titles (DOT)			
Column	Type	Constraint	Description
dotcode	char(9)	Primary Key	Dictionary of Occupational Titles code
dottitle	char(75)		DOT Occupation title
Constraint Information			
N/A			
Other Information			
◆ 12,817 Records			

<b>rapidscode</b> -- This table provides a listing of titles for all Registered Apprenticeship Partners Information Data System codes.			
Column	Type	Constraint	Description
rapidscode	char(10)	Primary Key	RAPIDS code
rapidstitle	char(150)		RAPIDS title
Constraint Information			
N/A			
Other Information			
◆ 1,101 Records			

<b>mocode</b> This table contains a unique listing of the Military Occupational Codes.			
<b>Column</b>	<b>Type</b>	<b>Constraint</b>	<b>Description</b>
svc	char(1)	Primary Key	Service Branch code.
mpc	char(1)	Primary Key	Military Personnel Category code.
status	char(1)	Primary Key	Military Occupation Status A=Active occupation O=Obsolete occupation
mocode	char(10)	Primary Key	A ten digit Military Occupational Code.
mocitle	varchar(40)		Title of MOC Code.
moddesc	memo		Description of MOC Code.
<b>Constraint Information</b>			
N/A			
<b>Other Information</b>			
◆ 10,941 records			

<b>FIELD</b>	<b>CODE DEFINITIONS</b>
<b>SVC</b>	D = DoD Occupational Conversion Code (DoD 1312.1-I) G = OPM General Schedule (White Collar) Series Code A = Army codes F = Air Force codes C = Coast Guard codes M = Marine Corps codes N = Navy Enlisted Codes and Navy Commissioned/Warrant Officer Billet Code P = Navy Commissioned/Warrant Officer Designator Code S = Navy Commissioned Officer Subspecialty Code W = OPM Wage Grade (Blue Collar) Series Code
<b>MPC</b>	E=Enlisted O=Commissioned Officer W=Warrant Officer
<b>STATUS</b>	A = Active (Current) Record O = Obsolete (Rescinded) Record

**Crosswalk tables:** These tables incorporate the relationships among the various classifications found in the O\*NET database.

<b>onetxdot -- Crosswalk between DOT and O*NET-SOC codes</b>			
Column	Type	Constraint	Description
dotcode	char(9)	Primary Key 1	Dictionary of Occupation Titles' Code
onetcode	char(8)	Primary Key 2	Unique ONET-SOC Code
Constraint Information			
1 Foreign Key references: dotcode.dotcode			
2 Foreign Key references: onetcode.onetcode			
Other Information : 13,027 Records			

<b>onetxmoc – Crosswalk between O*NET-SOC and military occupations</b>			
Column	Type	Constraint	Description
onetcode	char(8)	Primary Key 1	Unique O*NET-SOC Code
svc	char(1)	Primary Key 2	Military service of the occupation (see below)
mpc	char(1)	Primary Key 2	Officer/enlisted indicator (see below)
status	char(1)	Primary Key 2	
moccode	char(10)	Primary Key 2	Military occupation code
Constraint Information			
1 Foreign Key references: onetcode.onetcode			
2 Foreign Key references: moccode.svc, moccode.mpc, moccode.status, moccode.moccode			
Other Information: 11,735 Records			

<b>onetxrapids – Crosswalk between O*NET-SOC and Registered Apprenticeship Partnership Information Data System codes.</b>			
Column	Type	Constraint	Description
rapidscode	char(10)	Primary Key 1	RAPIDS code
onetcode	char(8)	Primary Key 2	Unique O*NET-SOC Code
Constraint Information			
1 Foreign Key references: onetcode.onetcode			
2 Foreign Key references: raiscode.raiscode			
Other Information: 1,101 Records			

<b>onetxcip – Crosswalk between the O*NET occupations and the 2010 Classification of Instructional Programs.</b>			
Column	Type	Constraint	Description
Onetcode	char(8)	Primary Key 1	O*NET- code
cipcode	char(6)	Primary Key 2	CIP Code
Constraint Information			
1 Foreign Key references: onetcode.onetcode			
2 Foreign Key references: cipcode.cipcode			
Other Information: 4,241 Records			