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ties in the practical application of the definition of occupied bandwidth; in such cases a different percentage may be useful. (EMC) C63.4-1988s

occurrence An individual instance of an entity, record, or item, containing a specific set of values for its constituent parts. (C) 610.5-1990w

OCR *See*: optical character reader; optical character recognition.

OCR-A *See*: optical character recognition-A.

OCR-B *See*: optical character recognition-B.

octad (mathematics of computing) (octade) A group of three bits used to represent one octal digit. (C) 1084-1986w

octal (A) (mathematics of computing) Pertaining to a selection in which there are eight possible outcomes. **(B) (mathematics of computing)** Pertaining to the numeration system with a radix of eight. (C) 1084-1986

octal character string A sequence of characters from the set of octal digits the first of which shall be the digit zero. Octal character strings shall consist only of the following characters:

0 1 2 3 4 5 6 7

Within software definition files of exported catalogs, all such strings shall be encoded using IRV. (C/PA) 1387.2-1995

octal digit A numeral used to represent one of the eight digits in the octal numeration system; 0, 1, 2, 3, 4, 5, 6, or 7. (C) 1084-1986w

octal notation Any notation that uses the octal digits and the radix 8. (C) 1084-1986w

octal number (A) A quantity that is expressed using the octal numeration system. **(B)** Loosely, an octal numeral. (C) 1084-1986

octal number system* *See*: octal numeration system.

* Deprecated.

octal numeral A numeral in the octal numeration system. For example, the octal numeral 14 is equivalent to the decimal numeral 12. (C) 1084-1986w

octal numeration system The numeration system that uses the octal digits and the radix 8. *Synonym*: octal system. (C) 1084-1986w

octal point The radix point in the octal numeration system. (C) 1084-1986w

octal system *See*: octal numeration system.

octal-to-binary conversion The process of converting an octal numeral to an equivalent binary numeral. For example, octal 213.2 is converted to binary 10001011.01. (C) 1084-1986w

octal-to-decimal conversion The process of converting an octal numeral to an equivalent decimal numeral. For example, octal 213.2 is converted to decimal 139.25. (C) 1084-1986w

octant *See*: sextant.

octantal error (navigation) (navigation aid terms) An error in measured bearing caused by the finite spacing of the antenna elements in systems using spaced antennas to provide bearing information (such as VOR [very high-frequency omnidirectional range]); this error varies in a sinusoidal manner throughout the 360° and has four positive and four negative maximums. (AES/GCS) 172-1983w

octary tree A tree of order 8. *Note*: Such a tree is typically used to store three-dimensional data. *Synonyms*: octonary tree; octtree. (C) 610.5-1990w

octave (1) (data transmission) In electric communication, the interval between two frequencies having a ratio of 2 to 1. (PE) 599-1985w

(2) The interval between two frequencies that have a frequency ratio of 2 (e.g., 1 to 2 Hz, 2 to 4 Hz, 4 to 8 Hz, etc.). (SWG/PE/T&D/PSR) C37.98-1977s, 539-1990, C37.100-1992, C37.81-1989r

(3) **(overhead power lines)** The interval between two sounds having a fundamental frequency ratio of two. (T&D/PE) 539-1990

octave band, one-third octave band The integrated sound pressure level of all components in a frequency band corresponding to a specified octave. *Note*: The location of an octave band pressure level on a frequency scale, f_0 , is usually specified as the geometric mean of the upper and lower frequencies of the octave. The lower frequency of the octave band is $f_0/\sqrt{2}$ and the upper frequency is $(\sqrt{2})f_0$. A third-octave band extends from a lower frequency $f_0/\sqrt[3]{2}$ to an upper frequency of $(\sqrt[3]{2})f_0$. (T&D/PE) 656-1992

octave-band pressure level (1) (octave pressure level) (sound) The band pressure level for a frequency band corresponding to a specified octave. *Note*: The location of an octave-band pressure level on a frequency scale is usually specified as the geometric mean of the upper and lower frequencies of the octave. (SP/ACO) [32]

(2) **(overhead power lines)** The integrated sound pressure level of all components in a frequency band corresponding to a specified octave. *Note*: The location of an octave band pressure level on a frequency scale, f_0 , is usually specified as the geometric mean of the upper and lower frequencies of the octave. The lower frequency of the octave band is $f_0/\sqrt{2}$ and the upper frequency is $(\sqrt{2})f_0$. A third-octave band extends from a lower frequency $f_0/\sqrt[3]{2}$ to an upper frequency of $(\sqrt[3]{2})f_0$. (T&D/PE) 539-1990

octet (1) A group of eight adjacent binary digits operated on as a unit. (SUB/PE/C) 999-1992w, 610.5-1990w, 1084-1986w

(2) A sequence of eight bits, usually operated upon as a unit. (DIS/C) 1278.1-1995

(3) A data unit composed of eight ordered binary bits. An octet is encoded as a pair of code symbols. (C/LM) 802.9a-1995w

(4) A byte composed of eight bits. (LM/C) 802.3u-1995s, 610.10-1994w

(5) An ordered sequence of 8 b. *Note*: Octets can be stored in larger objects if appropriate to a particular architecture. (C/PA) 1224-1993w, 1327-1993w

(6) An eight-bit data entity (byte). (C/MM) 1284.1-1997

(7) 8 b data object. *See also*: byte. (PE/SUB) 1379-1997

(8) A group of 8 bits, also known as a byte. (IM/ST) 1451.2-1997

(9) A sequence of eight bits. (AMR/SCC31) 1377-1997

(10) A bit-oriented element that consists of eight contiguous binary bits. (C/LM/CC) 8802-2-1998

(11) Unit of data representation that consists of eight contiguous bits. (C) 1003.5-1999

(12) A group of eight adjacent bits. (EMB/MIB) 1073.4.1-2000, 1073.3.2-2000

Octet Array A value of type OctetArray. (IM/ST) 1451.1-1999

octet string (1) A value of ASN.1 type octetstring. (C/PA) 1238.1-1994w

(2) A string composed of octets. (C/PA) 1328-1993w, 1327-1993w, 1224-1993w

octetstring type A simple type whose distinguished values are an ordered sequence of zero, one or more octets, each octet being an ordered sequence of 8 bits. (C/PA) 1238.1-1994w

octlet (1) A set of eight adjacent bytes. (C/BA) 10857-1994, 896.3-1993w, 896.4-1993w

(2) Eight bytes of data. (MM/C) 1394-1995, 1596-1992

(3) Eight bytes (64 bits) of data. Not to be confused with an "octet," which has been used to describe 8 bits of data. In this document, the term *byte*, rather than "octet," is used to describe 8 bits of data. (C/MM) 1754-1994

(4) An ordered set of eight adjacent bytes. (C/BA) 1014.1-1994w

(5) An 8-byte data format or data type. Not to be confused with an octet, which has been commonly used to describe 8 bits of data. In this document, the term *byte*, rather than octet, is used to describe 8 bits of data. (C/MM) 1596.5-1993

(6) Eight bytes of data. Not to be confused with an octet, which has been commonly used to describe eight bits of data.