|  |
| --- |
| P802.1CF-D1.0 Definitions of interest from online IEEE Standards Dictionary |
| Date: 2018-01-23 |
| **Authors:**  |
| Name  | Affiliation  | Phone  | Email  |
| Walter Pienciak | IEEE |  | w.pienciak@ieee.org |
|  |  |  |  |
|  |  |  |  |
| **Notice:**This document does not represent the agreed view of the OmniRAN TG It represents only the views of the participants listed in the ‘Authors:’ field above. It is offered as a basis for discussion. It is not binding on the contributor, who reserve the right to add, amend or withdraw material contained herein.  |
| **Copyright policy:**The contributor is familiar with the IEEE-SA Copyright Policy <<http://standards.ieee.org/IPR/copyrightpolicy.html>>.  |
| **Patent policy:** The contributor is familiar with the IEEE-SA Patent Policy and Procedures:<[http://standards.ieee.org/guides/bylaws/sect6-7.html#6](http://standards.ieee.org/guides/bylaws/sect6-7.html)> and <[http://standards.ieee.org/guides/opman/sect6.html#6.3](http://standards.ieee.org/guides/opman/sect6.html)>. |

Abstract

This document provides definitions, from existing IEEE Standards, for terms of interest to the P802.1CF Task Group, to help inform development of the P802.1CF d1.0 document.

# Source of definitions

The resource used to retrieve this information can be accessed at the URL

<http://ieeexplore.ieee.org/xpls/dictionary.jsp?stdDict=browse_keyword>

What follows are the results of searches in that resource for the various terms. Redline and draft versions were omitted for brevity.

# Existing definitions in IEEE Standards

## Term: session

* *A sequence of directory operations requested by a particular user of a particular DUA using the same session OM object*

found in

[IEEE Std 1326.2-1993](http://ieeexplore.ieee.org/document/318496)
IEEE Standard for Information Technology - Test Methods for Measuring ...

* *A portion of an exercise that is contiguous in wall clock time and is initialized by a session database*

found in

[IEEE Std 1730-2010 (Revision of IEEE Std 1516.3-2003)](http://ieeexplore.ieee.org/document/5706287)
IEEE Recommended Practice for Distributed Simulation Engineering and E …

* *Single administration of neurofeedback to the client by the clinician or by the technician but overseen by the clinician. There may be multiple electrode placements and/or shaping actions within a single session. A neurofeedback regimen may necessitate multiple sessions*.

found in

[IEEE Std 2010-2012](http://ieeexplore.ieee.org/document/6228483)
IEEE Recommended Practice for Neurofeedback Systems

* *A (usually) bidirectional virtual communications channel established between two SSPP peers. There may be more than one session established between the same two peers*.

found in

[IEEE Std 1711-2010](http://ieeexplore.ieee.org/document/5715000)
IEEE Trial-Use Standard for a Cryptographic Protocol for Cyber Securit...

* *An association context that is maintained while the two C12.22 Nodes are communicating back and forth in a conversation of some duration. Managing a session includes setting up and taking down the connection between two communicating C12.22 Nodes. Some session associations last only long enough to send a message in one direction. However, other session associations may last longer, usually with one or both of the communicating parties able to terminate it*.

found in

[IEEE Std 1703-2012](http://ieeexplore.ieee.org/document/6226334)
IEEE Standard for Local Area Network/Wide Area Network (LAN/WAN) Node ...

* *A printer state that allows the logical grouping of one or more jobs into a sequential, referenceable collection*.

found in

[IEEE Std 1284.1-1997](http://ieeexplore.ieee.org/document/634864)
IEEE Standard for Information Technology - Transport Independent Print...

* *A collection of process groups established for job control purposes. Each process group is a member of a session. A process is considered to be a member of the session of which its process group is a member. A newly created process joins the session of its creator. A process can alter its session membership (see 4.3.2). Implementations that support the setpgid() function (see 4.3.3) can have multiple process groups in the same session.*

*A collection of process groups established for job control purposes. Each process group is a member of a session. A process is considered to be a member of the session of which its process group is a member. A newly created process joins the session of its creator. A process can alter its session membership by the procedure Create\_Session in the package POSIX\_Process\_Identification. Implementations that support Set\_Process\_Group\_ID can have multiple process groups in the same session.*

found in

[IEEE Std 1003.5, 1999 Edition](http://ieeexplore.ieee.org/document/815314)
IEEE Standard for Information Technology - POSIX(R) Ada Language Iner...

* *A sequence of directory operations requested by a particular user of a particular DUA using the same session OM object*

found in

[IEEE Std 1327.2-1993](http://ieeexplore.ieee.org/document/316885)
IEEE Standard for Information Technology - Directory Services C Langua...

* *A collection of process groups established for job control purposes. Each process group is a member of a session. A process is considered to be a member of the session of which its process group is a member. A newly created process joins the session of its creator. A process can alter its session membership by the procedure Create\_Session in the package POSIX\_Process\_Identification. Implementations that support Set\_Process\_Group\_ID can have multiple process groups in the same session*

found in

[IEEE Std 1003.5b-1996 (Includes IEEE Std 1003.5-1992)](http://ieeexplore.ieee.org/document/1388143)
IEEE Standard for Information Technology- POSIX R ADA Language Interfa...

* *A series of transactions exchanged between the roadside and the vehicle while the vehicle is within a beacon's communications zone.*

found in

[IEEE Std 1455-1999](http://ieeexplore.ieee.org/document/798779)
IEEE Standard for Message Sets for Vehicle/Roadside Communications

* *A sequence of directory operations requested by a particular user of a particular DUA using the same session OM object*

found in

[IEEE Std 1328.2-1993](http://ieeexplore.ieee.org/document/467423)
IEEE Standard for Information Technology--Test Methods for Measuring C...

* *A sequence of directory operations requested by a particular user of a particular DUA using the same session OM object.*

found in

[IEEE Std 1224.2-1993](http://ieeexplore.ieee.org/document/318499)
IEEE Standard for Information Technology - Directory Service Applicati... |  [View Definitions](http://ieeexplore.ieee.org/document/318499/definitions?ctx=definitions)

* *An execution of a software administration command from initiation to completion on all applicable roles.*

found in

[IEEE Std 1387.2-1995](http://ieeexplore.ieee.org/document/500095)
IEEE Standard for Information Technology - Portable Operating System I...

* *A portion of an exercise that is contiguous in wall clock (sidereal) time and is initialized by a session database that includes network, entity, and environment initialization and control data*.

found in
[IEEE Std 1278.4-1997](http://ieeexplore.ieee.org/document/691002)
IEEE Trial-Use Recommended Practice for Distributed Interactive Simula …

* *A portion of an exercise that is contiguous in wall clock (sidereal) time and is initialized by a session database*.

found in

[IEEE Std 1278.3-1996](http://ieeexplore.ieee.org/document/587529)
IEEE Recommended Practice for Distributed Interactive Simulation - Exe...

## Term: BSS

BSS is expanded to “basic service set” in a number of standards:

* [IEEE Std 1451.5-2007](http://ieeexplore.ieee.org/document/4346346)
IEEE Standard for a Smart Transducer Interface for Sensors and Actuato...

## [IEEE Std 1901-2010](http://ieeexplore.ieee.org/document/5678772) IEEE Draft Standard for Broadband over Power Line Networks: Medium Acc...

* [IEEE Std 802.11F-2003](http://ieeexplore.ieee.org/document/1237538)
IEEE Trial-Use Recommended Practice for Multi-Vendor Access Point Inte...

 Definitions for “basic service set” are found:

* *A set of stations (STAs) that have successfully synchronized using the JOIN service primitives and one STA that has used the START primitive. Membership in a BSS does not imply that wireless communication with all other members of the BSS is possible*.

found in

[IEEE Std 802.11-2007 (Revision of IEEE Std 802.11-1999)](http://ieeexplore.ieee.org/document/4248378)
IEEE Standard for Information Technology - Telecommunications and Info

* *A set of stations that have successfully synchronized using the JOIN service primitives and one station that has used the START primitive. Membership in a BSS does not imply that power line communication with all other members of the BSS is possible.*

found in

[IEEE Std 1901-2010](http://ieeexplore.ieee.org/document/5678772)
IEEE Standard for Broadband over Power Line Networks: Medium Access Co...

* *A set of stations (STAs) that have successfully synchronized using the JOIN service primitives and one STA that has used the START primitive. Alternatively, a set of STAs that have used the START primitive specifying matching mesh profiles where the match of the mesh profiles has been verified via the scanning procedure. Membership in a BSS does not imply that wireless communication with all other members of the BSS is possible.*

found in

[IEEE Std 802.11-2012 (Revision of IEEE Std 802.11-2007)](http://ieeexplore.ieee.org/document/6178212)
IEEE Standard for Information technology--Telecommunications and infor …

## Term: OSS

* *operation support system*

found in

[IEEE Std 1903-2011](http://ieeexplore.ieee.org/document/6044687)
IEEE Standard for the Functional Architecture of Next Generation Servi...

NOTE: OSS is expanded to “operation support system” in the above standard, but the term “operation support system” is defined in no IEEE Standard. (Neither are variants such as “operations support system” or “operational support system.)