

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HUMAN SERVICE

INFORMATION TECHNOLOGY STANDARD

Name Of Standard: Industry Standard Protocols	Number: STD-ENSS005
Domain: Network	Category: Wide, Metropolitan and LAN's / Protocols
Date Issued: 05/09/2001	Issued By Direction Of: 
Date Revised: 03/08/2016	Clifton Van Scyoc, Chief Technology Officer

Abstract:

A protocol is an agreed upon format for interaction at the computer as well as the human level. A protocol stack is a series of protocols arranged in layers, each layer performing a single, well-defined function, with clearly delineated interfaces, which permit functional replacement at a layer-by-layer level.

General:

The purpose of this document is to inform the reader regarding the network protocol chosen by the Department of Human Services (DHS).

Standard:

TCP/IP

For the network, DHS selected the Transmission Control Protocol/Internet Protocol (TCP/IP) protocol stack originally developed during the late 1960s through research funded by the Defense Advanced Research Projects Agency (DARPA).

TCP/IP provides a common transport environment between disparate computer systems, a common set of tools and utilities (for terminal access, file transfer, electronic mail, and network management), and a standard mechanism for inter-process communication.

Exemptions from this Standard:

There will be no exemptions to this standard.

Refresh Schedule:

All standards and referenced documentation identified in this standard will be subject to review and possible revision annually or upon request by the DPW Information Technology Standards Team.

Standard Revision Log:

Change Date	Version	Change Description	Author and Organization
05/09/2001	1.0	Initial Creation	Unknown
04/08/2002	1.1	Edited for style	Beverly Shultz
05/10/2004	1.1	Reviewed content – No changes	Timothy Stouffer
12/14/2004	1.2	Updated	Timothy Stouffer
07/13/2005	1.2	Reviewed content – No changes	Timothy Stouffer, DTE
11/13/2006	1.2	Reviewed content – No changes	Doug Rutter, DTE
12/06/2007	1.3	Reviewed content, edited style	Doug Rutter, DTE
09/24/2010	1.3	Reviewed content – No changes	Doug Rutter
12/6/2013	1.3	Reviewed content – No changes	Matthew Messinger
03/31/2015	1.4	Updated – Changed DPW to DHS	Bob Gordon, BIS-DTE
03/08/2016	1.4	Reviewed content – No changes	Aamir Qureshi, BIS-DTE