

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF HUMAN SERVICES

INFORMATION TECHNOLOGY STANDARD

Name Of Standard: DHS Wireless Connectivity	Number: STD-ENSS019
Domain: Network	Category: Wireless Connectivity
Date Issued: 06/29/2001	Issued By Direction Of: 
Date Revised: 03/4/2016	Clifton Van Seyoc, Chief Technology Officer

Abstract:

Wireless connectivity has come to the forefront of communications technology. However, this technology brings new concerns regarding security and standards to the Department of Human Services (DHS).

General:

The purpose of this document is to provide standards and guidelines for wireless connectivity in DHS.

Standard:

Wireless networks at DHS must comply with the Governor’s Office of Administration/Office for Information Technology (OA/OIT) Information Technology Bulletin [ITB-NET001 “Wireless LAN Technology”](#).

Wireless networks must also be implemented in accordance with OA/OIT’s Operations Document [OPD-NET001B, “COPA Wireless LAN Technology: Design, Installation and Operations Guide”](#).

Evolution of the 802.11 Wireless LAN Standards				
<i>Protocol</i>	<i>Year Introduced</i>	<i>Max Data Transfer Speed</i>	<i>Frequency</i>	<i>Channel Bandwidth</i>
802.11a	1999	54 Mbps	5GHz	20 MHz
802.11b	1999	11 Mbps	2.4 GHz	20 MHz
802.11g	2003	54 Mbps	2.4 GHz	20 MHz
802.11n	2009	65 to 600 Mbps	2.4 or 5 GHz	20 and 40 MHz
802.11ac	2012	78 Mbps to 3.2 Gbps	5 GHz	20, 40, 80, 160 Mhz

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 DHS Information Technology Standards Team.

Standard Revision Log:

Change Date	Version	Change Description	Author and Organization
06/29/2001	1.0	Initial Creation	DPW
08/14/2002	1.1	Edited for style.	Beverly Shultz
06/07/2004	1.1	Reviewed content – No changes	Doug Rutter, DTE
02/14/0205	1.1	Reviewed	Doug Rutter
03/11/2009	2.0	Revised	Doug Rutter
09/24/2010	2.0	Reviewed content – No changes	Doug Rutter
02/18/2011	2.0	Reviewed content – No changes	Doug Rutter
11/12/2013	2.0	Reviewed content – No changes	Matthew Messinger
04/10/2015	2.1	Updated DPW references to DHS	Bob Gordon, BIS-DTE
03/04/2016	2.2	Updated names and WLAN specs	Bob Gordon, BIS-DTE