# COMMONWEALTH OF PENNSYLVANIA

#  HEALTH & HUMAN SERVICES DELIVERY CENTER

# INFORMATION TECHNOLOGY GUIDELINE

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| Name of Guideline: | Number: |
| **HHS Network Routers** | **GDL-ENSS004** |
| Domain: | Category: |
| **Network** | **Hardware / Routers** |
| Date Issued: **05/09/2001** | Issued by Direction Of: |
|  |  |
| Date Revised: |   |
| **07/07/2020** | **John Tamosaitis, Network Manager****Health & Human Services Delivery Center** |

**Abstract:**

The purpose of this document is to standardize and recommend which routers to use on the Health & Human Services Delivery Center (HHS DC) network.

The Health and Human Services Delivery Center (HHS DC) Technology Services Office (TSO) is responsible for the Departments of Health (DOH), Human Services (DHS), Aging (PDA), Drug and Alcohol Programs (DDAP) and Military and Veterans Affairs (DMVA).

**General:**

A router is

“An intermediary device on a communications network that expedites message delivery. On a single network linking many computers through a mesh of possible connections, a router receives transmitted messages and forwards them to their correct destinations over the most efficient available route. On an interconnected set of local area networks (LANs) using the same communications protocols, a router serves the somewhat different function of acting as a link between LANs, enabling messages to be sent from one to another.”

- The Microsoft Press Computer Dictionary, Third Edition

**Guideline:**

Ethernet / frame relay/ATM routers from Cisco should be used to connect wide area network sites to HHS DC’s core; network (WAN).

The router must be capable of handling Internet Protocol (IP) packets, OSPF (Open Shortest Path First), Border Gateway Protocol (BGP) and should support Simple Network Management Protocol (SNMP) Management Information Base (MIB) 2 and RMON.

**Refresh Schedule:**

All guidelines and referenced documentation identified in this standard will be subject to review and possible revision annually or upon request by the Health & Human Services Delivery Center Domain Leads.

**Guideline Revision Log:**

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| --- | --- | --- | --- |
| **Change Date** | **Version** | **Change Description** | **Author and Organization** |
| 05/09/2001 | 1.0 | Initial Creation | Deloitte Consulting |
| 08/15/2002 | 1.1 | Edited for style | Beverly Shultz |
| 05/24/2004 | 1.2 | Content change | Tom Zarb |
| 07/13/2005 | 1.3 | Added ATM routers to recommendations for connections to the network. | Tom Zarb |
| 11/07/2006 | 1.3 | Reviewed content – No changes | Doug Rutter |
| 01/25/2008 | 1.4 | Reviewed content & edited style | Doug Rutter |
| 06/25/2010 | 1.4 | Reviewed | Doug Rutter |
| 02/17/2011 | 1.4 | Review content – No changes | Doug Rutter |
| 11/12/2013 | 1.4 | Review content – No changes | Matthew Messinger |
| 3/20/2015 | 1.5 | Changed DPW to DHS | Bob Gordon, BIS-DTE |
| 03/08/2016 | 1.5 | Reviewed content – Corrected verbiage | Bob Gordon, BIS-DTE |
| 05/29/2020 | 2.0 | Review for Content, Abstract addition & Organization Change  | Michael E. Sites TSO |
| 05/29/2020 | 2.1 | Added Border Gateway Protocol to content | Bob Gordon, BIS-DTE |
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