

**Information Technology Standard
Commonwealth of Pennsylvania
Governor's Office of Administration/Office for Information Technology**

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| STD Number: | STD-NET002A | |
| STD Title: | Network Router and Switch Technology Product and Platform Standards | |
| Issued by: | Deputy Secretary for Information Technology | |
| Date Issued: | September 13, 2005 | Date Revised: December 20, 2010 |
| Domain: | | |
| | Network | |
| Discipline: | | |
| | Physical Network | |
| Technology Area: | | |
| | Routers & Switches | |
| Referenced by: | | |
| | ITB-NET002 | |
| Revision History | | |
| Date: | Description: | |
| 12/20/2010 | ITB Refresh | |

CURRENT STANDARDS

| Products | IEEE Standard | Protocol | Technology Classification |
|--|----------------------|--|----------------------------------|
| 10/100/1000 Meg Switched LAN/WAN Routers | 802.3 | See GEN-NET002B for approved protocols | Current |
| IP version 4 | 802.3 | " | Current |

CONTAIN

| Products | IEEE Standard | Protocol | Technology Classification |
|-----------------------------|----------------------|--|----------------------------------|
| 10/100 Meg Switched-Layer 2 | 802.3 | See GEN-NET002B for approved protocols | Contain |

RETIRE

| Products | IEEE Standard | Protocol | Technology Classification |
|--|----------------------|--|----------------------------------|
| Token Ring | 802.5 | See GEN-NET002B for approved protocols | Retire by 12/31/06 |
| Windows/2K/2K3/XP/Linux/Linksys/D-Link/Netgear - Any product that does not operate with the protocols listed on the last page. | 802.3 | " | Retire by 12/31/06 |
| E-Net 10 Meg Shared | 802.3 | " | Retire by 12/31/06 |
| E-Net 10/100 Meg Shared | 802.3 | " | Retire by 12/31/06 |

EMERGING / RESEARCH

| Products | IEEE Standard | Protocol | Technology Classification |
|-----------------|----------------------|--|----------------------------------|
| VOIP | 802.3ae | See GEN-NET002B for approved protocols | Research |
| IP Version 6 | 802.3 | " | Research |