FY’15 CSF Bundle of Services

- Internet of Things-New!
- Network Address Translation (NAT)-New!
- Campus Backbone Infrastructure
- Internet and Internet2 Access
- Rate Limits on ResNet External
- IPv6, Multicast, and Advanced Networking
- Public Wireless Subsidy
- Cap on Billable Wireless IPs
- NAP Operations/Fiber and Cable Management
- NOC Services and Network Management
- Penn’s Main Web and Central Pages
- Online Directory and LDAP Access
- Classlists and SMTP Mail Relay
- University Calendar Service
- Infrastructure Software Services
  - DNS, DHCP, NTP
- Penn+Box Storage and Collaboration
- Enterprise InCommon Cert Svc
- Enterprise Social Networking

- Eduroam-New!
- ISP Guest Network (New Pilot)- New!
- Security/ID Management
- Kerberos, KITE, RADIUS
- Penn WebLogin (CoSign and Shibboleth)
- The InCommon Federation
- Authorization (Penn Groups)
- PennNames and Penn Community Services
- Wireless Authentication & Support
- NetReg
- Enhanced AirPennNet Guest Services
- DNSSEC
- Vulnerability Scanning
- Security Tools, Education, and Response
- PennKey School Support
- PGP Whole Disk Encryption LSP Support
- XpressConnect
- Intrusion Detection System
- Safe DNS