

8045.S301 Boundary Protection and Isolation

Implements: CSU Policy #8045.0

Policy Reference: <http://www.calstate.edu/icsuam/sections/8000/8045.0.shtml>

Introduction

Campuses must implement controls designed to provide or limit access to networked CSU assets.

1.0 Boundary Protection and Isolation

- 1.1 Access to campus networks must be controlled by a technical solution which permits only authorized inbound traffic. Campuses must determine, based on risk analysis, the extent to which outbound traffic is blocked or limited.
- 1.2 The campuses must appropriately separate network access to public information system resources from those which store protected Level 1 and Level 2 information.
- 1.3 Campuses must establish zoning or separation within internal networks based on established trust relationships, authorized services, and data classification in order to ensure that protected information is not made available to unauthorized persons.
- 1.4 All unnecessary services (e.g., Web service, SNMP) on any system which is directly accessible from the internet must be disabled.
- 1.5 All privileged administrator network access to systems which are directly accessible from the internet must be encrypted and authenticated.
- 1.6 Each campus must maintain documentation as follows:
 - a) A formal, documented process for approving and testing configuration changes to its network and network control devices.
 - b) Formal network configuration document that defines all open ports and services on systems directly accessible from the internet.
 - c) Justification and risk analysis as appropriate for any allowed service or protocol.
 - d) Annual review for all configurations and firewall rules associated with border devices and/or systems directly accessible from the Internet to determine if the rule is still valid, still necessary and performing the function for which it was requested.

REVISION CONTROL

Revision History

| Revision Date | Revised By | Summary of Revisions | Section(s) Revised |
|---------------|------------|-------------------------------------------------|--------------------|
| 11/15/2011 | Macklin | Incorporation of ISAC Comments | All |
| 1/3/2012 | Moske | Formatted | All |
| 1/11/2012 | Macklin | Final Review – format | All |
| 6/7/2012 | Mackin | Corrected transfer problems – no content change | All |
| 2/19/2013 | Macklin | ISAC Comments | All |

Review / Approval History

| Review Date | Reviewed By | Action (Reviewed, Recommended or Approved) |
|-------------|-------------|----------------------------------------------------|
| 2/19/13 | ISAC | Reviewed, approved and recommended for CISO review |
| 3/03/14 | CISO | CISO Reviewed, approved. Posted |
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