



Serial Data Regulator Version 1

Product Description

1. The Serial Data Regulator is a hardware device designed and developed by Compuat Research Pty Ltd to allow serial transfer of data from a lower classified system to a higher classified system, whilst ensuring that information cannot pass through the device in the opposite direction.

Information Technology Security Evaluation Criteria (ITSEC) Certification – Scope

2. The scope of the ITSEC evaluation focused on the confidentiality provided by the product. Specifically that the confidentiality of the higher classified system cannot be compromised.

Australian Government agencies should be aware that the following functionality was not included as part of the product's security:

- Systems (including associated data and applications) connected to the Serial Data Regulator; and
- File transfer software supplied with the Serial Data Regulator.

Information Technology Security Evaluation Criteria Certification – Summary

3. The product has met the requirements of the Information Technology Security Evaluation Criteria E6 assurance level, which is equivalent to a Common Criteria EAL7 assurance level.

DSD Findings – Summary

4. The product can be used to transfer data between systems of any national or non-national classification level, provided data is transferred from a lower classified system to a higher classified system. However, there are two (2) exceptions.

- No system other than a SECRET system can connect to a TOP SECRET system via the product.
- A SECRET network cannot connect to an UNCLASSIFIED network.

5. Measures must also be established to scan all data passing from the lower classified system to the higher classified system for malicious and active content. Furthermore, if the higher classified system is SECRET or TOP SECRET, the following additional controls are required:

- data format checks;
- logging of events, including full or partial audits of the logs on at least a monthly basis; and
- monitoring to detect overuse/unusual usage patterns.

6. An appropriate firewall must also be installed on both sides of the Serial Data Regulator. Appropriate firewalls are described in ASCI 33 in the Firewalls section.

Contact

7. For further information regarding the Serial Data Regulator's certification or compliance with ACSI 33 please contact DSD on (02) 6265 0197 or email assist@dsd.gov.au.

ACSI 33

8. The advice given in this document is in accordance with ACSI 33 release date September 2006. Australian Government agencies are reminded to periodically check the latest release of ACSI 33 at www.dsd.gov.au/library/infosec/acsi33.html.

Consumer Guide – Date

9. This Consumer Guide was issued on 7 February 2007, by DSD.