



BAE Systems Trusted Filter V1

Product Description

1. The BAE Systems Trusted Filter V1 is a hardware product designed to provide separation between communications systems of different classifications. The Trusted Filter allows equipment in a higher classified domain to transmit a specified set of formatted control commands to transmission equipment in a lower classified domain. It also provides the transmission equipment the ability to pass data (typically a command response) to the higher classified system via a separate communications path whilst data diode functionality prevents any high to low return information on this communication path.

Information Technology Security Evaluation Criteria (ITSEC) Certification – Scope

2. The scope of the Information Technology Security Evaluation Criteria (ITSEC) evaluation focused on the confidentiality provided by the product. As such, only valid control data was allowed to pass, unencrypted, from the higher classified domain to the lower classified domain containing the transmission equipment.

ITSEC Certification – Summary

3. The following security features were evaluated in accordance with the ITSEC.
 - Filtering – Only data strings validated against a pre-defined set of allowable control data, specific to that channel, can be transmitted from the higher classified to the lower classified domain.
 - Data Diode – Any data paths from the lower classified to the higher classified domain are strictly one way.
 - Secure Failure – Any conceivable failure of any single discrete hardware component shall not compromise the security of the device.
4. The product has been certified to meet the requirements of the ITSEC E5 assurance level, which is equivalent to a Common Criteria EAL6 assurance level.

DSD Findings – Summary

5. The BAE Systems Trusted Filter can be used to transfer information from any non-nationally classified system to any system of a lower classification. For advice on the possible use of this product with nationally classified systems, please contact DSD on (02) 6265 0197 or email assist@dsd.gov.au.

6. The BAE Systems Trusted Filter was evaluated with four (4) command sets, Australian Government customers are advised to have all alternative command sets approved by their accreditation authority before use.

Contact

7. For further information regarding the BAE Systems Trusted Filter'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.