

AISEP Certificate Extension Program



Certificate Extension Report

Tenix Defence Systems

Interactive Link Data Diode Device (FID003)

Version 1.2

Version	4.0
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1 Executive Summary

The Interactive Link Data Diode Device (IL-DDD) is a product developed by Tenix Defence to allow for two networks of different classifications to be connected together. The product allows data to be passed from the Low Side Network (LSN) to the High Side Network (HSN) while not allowing data to pass back the other way. This preserves the confidentiality of the data on the HSN while still allowing users transfer data from LSN to HSN.

The IL-DDD Version 1.2 Release 1.2.0 was evaluated in accordance with the rules of the Australasian Information Security Evaluation Program (AISEP). In November 1999, the Australasian Certification Authority (ACA) issued certificate number 99/10 certifying that IL-DDD Version 1.2 Release 1.2.0 had met the ITSEC Assurance Level E6.

This report describes the Australasian Certificate Extension (ACE) approved changes that have been made to the evaluated version of IL-DDD (Version 2.1), and lists the subsequent ACE approved versions of IL-DDD.

For each change outlined in this report, ACE deliverables have been required to demonstrate that previous evaluation results remain valid. ACE approval signifies that the assurance gained from the most recent evaluation has been maintained.

This report concludes that the following versions of IL-DDD have maintained the ITSEC E6 level of assurance.

- Version 1.2 Release 1.2.1
- Version 2.0 Release 2.0.0
- Version 2.0 Release 2.0.1
- Version 2.1 Release 2.1.0
- Version 2.1 Release 2.1.1
- Version 2.1 Release 2.1.3
- VETO DD Version 1.0.0 Release 1.0.0
- Version 2.1 Release 2.1.4
- VETO DD Version 1.0.0 Release 1.0.1
- Version 2.1 Release 2.1.5
- VETO DD Version 1.0.1 Release 1.0.2

2 Introduction

This report describes the AISEP Certificate Extension (ACE) approved changes that have been made to the Interactive Link Data Diode Device (IL-DDD) FID003 Version 1.2 Release 1.2.0, and lists the subsequent ACE approved versions of IL-DDD. The report is aimed at users of the certified IL-DDD product. Also outlined are relevant configuration and installation guidelines that should be followed in order for the certified product to remain in an approved configuration. It is assumed that the reader is familiar with the IL-DDD Version 1.2 Certification Report Issue 1.0, November 1999.

2.1 ACE Program

The ACE program is aimed at assuring that a certified product will continue to meet its Security Target (ST) as changes are made to the certified product or its environment. Such changes include the discovery of new vulnerabilities, changes in user requirements, the correction of flaws found in the certified product and updates to functionality. For each change that is outlined in this report, ACE deliverables have been required to demonstrate that the results established during the original evaluation remain valid.

2.2 ACE Approval

It is important to note that those versions of IL-DDD appearing as ACE approved in this report have not been evaluated. ACE approval signifies that the assurance gained from the initial evaluation has been maintained throughout the versions and releases identified in this report.

The versions of the IL-DDD, approved by the ACE Program can therefore be used with the same level of confidence in security as the original evaluated version. The listed versions can also be used in place of any previously evaluated version of the IL-DDD and are covered by the rights and privileges conferred by the original certification.

3 Identification

Table 3.1 below provides information about the certified Target of Evaluation (TOE).

	Details
TOE	Interactive Link Data Diode Device (IL-DDD) Version 1.2 Release 1.2.0
Certificate Number	99/10
Security Target	Issue 5.0, March 2000
Assurance Level	ITSEC E6

Table 3.1 TOE Identification

4 Change Register

The changes shown in Table 4.1 below have been ACE approved.

	Part Number	Version	Release	Details
Change 1	FID003	1.2	1.2.2	Power supply replaced, minor changes to documentation, aesthetic changes to the product casing.
Change 2	FID003	2.0	2.0.0	All references to 'Vision Abell' changed to 'Tenix Defence'.
Change 3	FID003	2.0	2.0.1	Minor documentation changes to reflect documentation standards.
Change 4	FID003	2.1	2.1.0	Two connectors used have become superseded and consequently replaced. An effect of this was that the case had to be slightly altered. All references to the superseded parts have been modified to reflect the change.
Change 5	FID003	2.1	2.1.1	Admin manuals updated to reflect the difference between the US and AUS devices, the difference being the power cord each was packaged with.
Change 6	FID003	2.1	2.1.3	All devices now shipped with USA/AU power cords.
	FID103	1.0	1.0.0	Product variant IL Veto DD introduced.
Change 7	FID003	2.1	2.1.4	Update of IL approved sources listing and configured items list.
	FID103	1.0	1.0.1	
Change 8	FID003	2.1	2.1.5	Change of manufacturer's name and part number of electronic component and associated documentation changes.
	FID103	1.0	1.0.2	

Table 4.1 Change Register

4.1 Change 1

IL-DDD Version 1.2, Release 1.2.2 (FID003)

The changes included in this release were based on IL-DDD Version 1.2 Release 1.2.0. There were no changes that have affected the functionality or security of the product. The changes that have been made are summarised below:

- Small aesthetic changes made to the case including changes to artwork and labels.
- Addition of parts to the Parts List, as well as minor changes to the Parts List including typographical changes.
- Minor changes to guidance documentation including the fixing of typographical errors.
- The two pin plug has been replaced by a three pin plug for the power pack. The power supply is used to provide 5VDC to the IL-DDD.

4.2 Change 2

IL-DDD Version 2.0 Release 2.0.0 (FID003)

The changes included in this release were based on IL-DDD Version 1.2 Release 1.2.1. The changes made do not affect the functionality or security of the IL-DDD and are as follows:

- All references to ‘Vision Abell Pty Ltd’ in all documents and all labels were changed from ‘Vision Abell Pty Ltd’ to ‘Tenix Defence’.

4.3 Change 3

IL-DDD Version 2.0 Release 2.0.1 (FID003)

The changes included in this release were based on IL-DDD Version 2.0 Release 2.0.0. The changes made do not affect the functionality or security of the IL-DDD and are as follows:

- Updated documentation to correct minor errors and incorporate Tenix documentation standards.
- Minor aesthetic changes to the case.

4.4 Change 4

IL-DDD 2.1 Release 2.1.0 (FID003)

The changes included in this release were based on IL-DDD Version 2.0 Release 2.0.1. These changes do not affect the functionality or security of the IL-DDD and are listed as follows:

- The fibre optic connectors HFBR-11E5 and HFBR-21E5 have become superseded by HBFR-1115T and HFBR-2115T respectively and have consequently been replaced by the new connectors. The only difference is the

shape of the new connectors. There are no security functionality changes associated with this change. The follow-on changes required to accommodate the updated connectors are demonstrated in the following points.

- The IL-DDD front panel has been modified to have round holes instead of the previous rectangular connector holes.
- All references in documentation to the fibre optic connectors that have been replaced have been updated to reflect the change.

4.5 Change 5

IL-DDD 2.1 Release 2.1.1 (FID003)

The changes included in this release were based on IL-DDD Version 2.1 Release 2.1.0. These changes do not affect the functionality or security of the IL-DDD and are listed as follows:

- The IL-DDD Administration Manual has been renamed to “IL-DDD Installation and Administration guide”, and includes the creation of a new front cover. This manual also includes part numbers added for the mains power cable, a Canadian compliance notice added and a minor change in the delivery procedure explanation. This was to reflect the difference between the two variants, that is, AU variants come packaged with AU power cords and US variants with US power cords.

4.6 Change 6

IL-DDD 2.1 Release 2.1.3 (FID003)

VETO DD v1.0.0 Release 1.0.0 (FID103)

The changes included in this release were based on IL-DDD Version 2.1 Release 2.1.0. These changes do not affect the functionality or security of the IL-DDD and are listed as follows:

- The Data Diode Shippable has been updated to say “USA/AU Shippable” unit, to reflect the inclusion of USA/AU power cords in every unit. All devices are now packaged in the same way, with no product variants existing for different countries.
- The introduction of the new product variant, part number FID103, “VETO DD v1.0.0”. The VETO DD is identical in form to the IL-DDD in every way except that it is branded differently, and security remains unchanged from the original IL-DDD v1.2 evaluation at ITSEC E6.

4.7 Change 7

IL-DDD 2.1 Release 2.1.4 (FID003)

VETO DD V1.0.0 RELEASE 1.0.1 (FID103)

The changes included in this release were based on IL-DDD Version 2.1 Release 2.1.3. These changes do not affect the functionality or security of the IL-DDD and are listed as follows:

- Changes to the use of functionally equivalent electronic components, the change to some part numbers and the deletion of parts that have become obsolete.
- Changes to documentation for both the IL-DDD and the VETO DD reflecting above changes.

4.8 Change 8

IL-DDD 2.1 Release 2.1.5 (FID003)

VETO DD V1.0 RELEASE 1.0.2 (FID103)

The changes included in this release were based on IL-DDD Version 2.1 Release 2.1.4. These changes do not affect the functionality or security of the IL-DDD and are listed as follows:

- Change of manufacturer's name and part number of one electronic PCB component.
- Changes to documentation for both the IL-DDD and the VETO DD reflecting above changes.

5 Configuration

This chapter is used to provide guidance on any configuration options affected by ACE approved changes and provides information on how to identify each different version and release. The IL-DDD does not have any configurable options.

5.1 TOE Identification

An inspection of the rear panel of the unit can identify the part number, version, and release of that particular IL-DDD unit. The version, part number and release are listed in the "Model – Build No:" panel in the top left-hand corner of the rear panel. The part and version numbers are listed in the following format:

FIDPPP-V.V.R

Where PPP = Part Number,

V.V = Version Number, and

R = Release Number

Note: If there is no release number, then it is the initial release (release 0) for that version.

6 Conclusion

The Australasian Certification Authority has determined that the changes made to Interactive Link Data Diode Device (IL-DDD) identified as ACE approved in this report have met the requirements for the ACE program.

These ACE approved versions of IL-DDD should only be used in accordance with all recommendations and guidelines as set out in this report and the IL-DDD Version 1.2 Certification Report.

7 Document History

Version	Details	Date
1.0	Release for EPL	February 04
1.1	Release for UL Baseline	March 04
2.0	VETO Release	June 04
3.0	Part changes	December 05
4.0	Part changes	August 06