

## Software Release Notification

### CDD-564/562L-Band & 70/140 Bulk 1.6.18 Release

Applicability
Bulk Release Rev. 1.6.18 (FW-0000122R) CDD-564/562 L-band and 70/140 modems. Includes all related firmware and SNMP MIBs. Parameter Editor v1.6.11 will work for this maintenance release only.

Revision History		
Rev #	Description	Date
E	Release Version 1.6.6	1/21/2011
F	Maintenance Release Version 1.6.7	6/30/2011
G	Maintenance Release Version 1.6.8	12/16/2011
H	Maintenance Release Version 1.6.9	01/23/2012
J	Maintenance Release Version 1.6.10	04/03/2012
K	Feature Release Version 1.6.11	06/29/2012
L	Maintenance Release Version 1.6.12	11/29/2012
M	Maintenance Release Version 1.6.15	04/08/2013
N	Maintenance Release Version 1.6.16	08/06/2013
P	Maintenance Release Version 1.6.17	11/01/2014
R	Maintenance Release Version 1.6.18	08/01/2014

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FSCM No. 4J515

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## Introduction

Version 1.6.18 is the 28th version of CDD-564/L software released. Comtech EF Data will continue to enhance the CDD-564/L software based on customer feedback and experience gained from its use. The changes in this release are the result of real world traffic and customer applications. In addition, Rev. 1.6.18 is the 19th release of the CDD-562L which functions exactly like a CDD-564L except there are only 2 demodulators rather than 4.

**NOTE: Firmware FW-0000122R does not contain 3xDES. Please contact CEFD customer support for details on how to get the v1.6.18 version with 3xDES.**

Note: The current Streamline version (1.7.0) is not feature compatible as compared to the latest HDLC versions. *ALL Vipersat customers should only run 1.6.x or 2.6.x builds because the current build of SLE 1.7.x or 2.2.x do not contain all the latest features of 1.6.x/2.6.x.*

Warning, the IP v1\_Module 1.7.x and the IP v2\_Module 2.2.x release WILL continue to break backwards compatibility with 1.6.x, 2.6.x and older versions resulting in communications failure. Extra caution will be required when upgrading live customer networks.

## New Features

None

## Defect Fixes

### **DPC messages from CDD-564 are intermittent during mesh connections -**

The DPC messages generated by the hub expansion demodulator's are not properly forwarding on their scheduled time intervals causing irregular power report updates and possible dropouts. During this condition it was also reported that pings from a remote PC intermittently drop replies while pinging the associated hub expansion demods. Corrected the packet path flows to properly forward messages during dynamic filter route add or removals. **TTP # 4107**

### **Sometimes Vipersat Management Messages are lost on the Hub LAN**

Under heavy load, Management Messages may be lost on the Hub LAN resulting in VMS multiple retries or worse failure in switching processes, e.g. dynamic route updates or roaming incompleteness. Currently the 570/564 management messages are not stamped with ToS classification leaving them in the default router queues, which could be dropped over higher priority packets. To correct this possible loss of packets, all Vipersat management messages are stamped with Class Selector 6. **TTP# 4118**

## Backward Compatibility

The CDD-564/562 (L-Band) and 70/140 with IP Module containing this BULK firmware is compatible with:

- CDM-570(L) operating with IP v1\_module v1.6.11 & IP v2\_Module v2.1.11.
- CDD-56x(L) operating with v1.6.11.

Mandatory: CDM-570(L) and CDD-56x(L) modems running previous releases of software should be upgraded to v1.6.18 to ensure proper operation.

**Compatible SNMP MIBs**

MIB Name	Filename	Date	MIB Notes
<b>CEFD Root</b>	FW/11669-2-.mib	8/20/2004	Must be compiled first
<b>CDD-564 MIB</b>	FW/11669-3D.mib	6/3/2009	Contains all IP Module specific OIDs
<b>CDD-564Traps</b>	FW/11669-4-.mib	11/19/2004	SNMPv1 trap support for CDM562/564/L

*Note: The SNMP MIB files are not needed for upgrading the IP Module; they are only needed if using an SNMP NMS / browser for SNMP monitor and control of a CDM-562/564/L IP modem. They would be compiled on the NMS / SNMP browser, refer to compile instructions of the NMS / browser.*

## Known Issue(s) In This Release

### Functional

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#### 564L/(IF) Platform Specific Known Issues

*None*

*Note for more detailed information on issues listed above please contact your Comtech EF Data representative.*