


# Spectra2

## Version 8.0SP2 Release Notes

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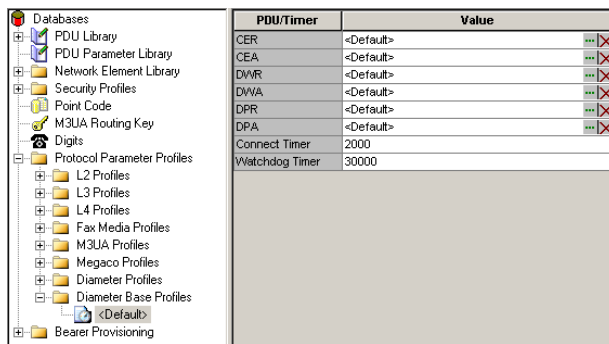
# 1 Introduction

This document contains information pertaining to the Spectra2 version 8.0SP2 release. This information is intended for individuals who are responsible for installing, deploying, using or supporting Spectra2. This release contains minor enhancements and fixes to some major and minor issues listed.

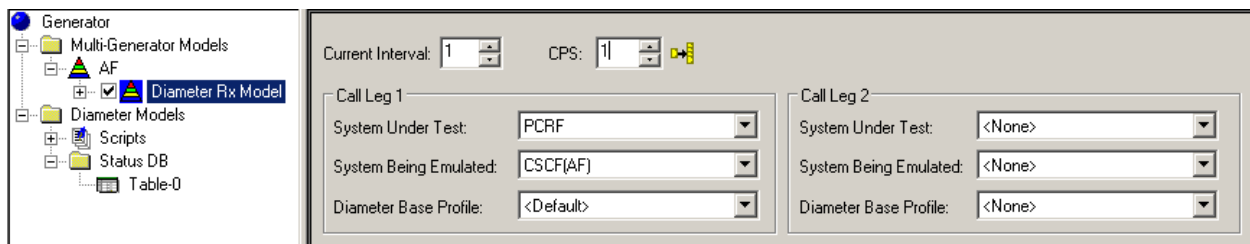
## 2 New Features

### 2.1 Diameter Base Profiles

Spectra2 v8.0SP2 expands on the existing Diameter capabilities by allowing the content of Diameter base messages (CER/CEA, DWR/DWA and DPR/DPA) and timers (Connect Timer and Watchdog Timer) to be customized via profiles. This enhancement greatly improves the ability to negotiate custom vendor IDs as well as transport layer negotiation with peer elements. Customers can have different base message profile for every node they simulate allowing them to work with different vendor nodes in the Diameter Network.



Database tab → new Diameter Base Profiles



Generator tab → new Diameter Base Profiles selected per Call Leg

### 2.2 Diameter decode updates

All of the supported 3GPP based Diameter interfaces have been updated to the latest Release 10 specifications allowing for up-to-date validation of newest AVPs.

**Important note:** For customers updating an existing installation of Spectra2 a new install of the Diameter decode package is required. The procedure includes uninstalling the old Diameter decode package before installing the new one available with Spectra2 8.0SP2.

## 3 System Product Enhancements (SPEs)

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Spectra2 v8.0SP2 contains the following enhancements:

### 3.1 Diameter Decodes

#### 6286 **Update all Diameter Interfaces to the latest specification**

All currently supported Diameter Interfaces need to be updated to the latest 3GPP Release 10 specification (version 10.3).

### 3.2 API

#### 6280 **Enhance API to support "push" delivery of link and generator status**

Spectra2 now allows for Ethernet and TDM link status as well as Generator status to be pushed to the user through the API interface. Previously the status had to be manually polled through commands.

### 3.3 Diameter base protocol

#### 6243 **Diameter layer inter-watchdog timer messages & message content need to be configured**

Diameter layer inter-watchdog timer messages and message content can now be configured under the Database tab. The auto-responses to these Diameter layer messages are also configurable.

### 3.4 Generator GUI

#### 5920 **Columns by default need to be minimum width size of longest text**

Several fields in the Generator GUI (Script names, Profile names, Call Leg names, Digit Database names, Variable Profile names) have been updated to auto-adjust to the actual size of the text. Resizing these fields remains a valid option.

### 3.5 SIP Generator

#### 6278 **SDP RTCP attributes need to be updated automatically**

Previously any rtcp specific attributes defined in the SDP body of SIP messages in the Generator would remain unchanged. Spectra2 SIP Generator now updates these attributes automatically with the RTP port number plus one.

## 4 Fixed Problem Reports (SPRs)

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Tektronix corrected the following system problem reports (SPRs) in Spectra2 v8.0SP2. The following lists the SPRs in alphabetical order by functional area.

### 4.1 BICC

31149 BICC APM message transmitted with incorrect Action Indicator

### 4.2 Media

31183 ILoader board crash when Capture Voice RTP receives Packet Loss and Jitter

31191 Detect Voice Timed Out statistics increments using Software Detect on IPSMi-1G board

### 4.3 SIP

31077 Unexpected Hex Data is inserted in SIP-T Japan message when transmitted

31158 "Modify Start Line" value on default tab does no work on SIP 200 OK message

### 4.4 XCAP

31178 XCAP with Authentication enabled does not include Authorization header