



QPSK G13 Release Notes

Overview

Introduction

The release of QPSK G13 software addresses issues found since the release of G12. These release notes contain the following information:

- Site requirements
- Software download information
- A description of fixed Change Requests (CRs)
- General information on contacting Cisco® Systems

Known Issues

There are no known issues in this release.

System Impact

Site managers are encouraged to load G13 on all QPSK Modulators. QPSK Modulators will automatically update QPSK Demodulators when they come online.

Purpose

The purpose of this release is to distribute software fixes for issues found in the previous QPSK software release.

Scope

These release notes provide an executive overview of this software release. If you have questions about this release or require more detailed information, call Cisco Services.

Audience

These release notes are written for system operators, sales and program managers, Cisco Services engineers, and field technicians.

Document Version

This is the fourth formal release of this document. In addition to minor text and graphic changes, the following table provides the technical changes to this document.

Description	See Topic
Floating FPGA inputs cause the temperature to rise on QPSK Demodulators, which eventually shuts down ATM communications.	<i>CR 108061: QPSK Demod ATM Communication Failed When Temperature Rises</i> (on page 5)

About This Software Version

Features in this Release

There are no new features in this release.

Installation Media

QPSK G13 is available for download at the File Transfer Protocol (FTP) site for this product. Download instructions can be found in the QPSK installation guide for your release. See below:

- *QPSK Installation Instructions for System Release 2.7/3.7/4.2 and Earlier* (part number 4031748)
- *QPSK Installation Instructions for System Release 4.3 and Later* (part number 4031324)

Important: When using the installation instructions, follow only the procedures for downloading QPSK software from the FTP site. Ignore the instructions for downloading QPSK software from a CD.

What Are the Site Requirements?

This section includes information on site requirements for running QPSK software version G13 software. Please read this entire section before you begin an upgrade.

System Release Compatibility and Prerequisites

QPSK G13 software can be installed on a network that is running *System Release 2.2/3.2 Service Pack 5* and later.

For a complete configuration listing, or to upgrade your system, contact Cisco Services at 1-866-787-3866.

Hardware Requirements

QPSK G13 works with all QPSK Modulators and Demodulators that are presently deployed.

Install QPSK software version G13 on the QPSK Modulator. The device will then update each QPSK Demodulator with the correct software version. QPSK Demodulators that are added to the configuration at a later date will be updated automatically as soon as they are connected to the QPSK Modulator.

What's Fixed

Introduction

This section provides a description of the CRs implemented since QPSK version G12 was released.

CR 108061: QPSK Demod ATM Communication Failed When Temperature Rises

The problem was caused by floating FPGA inputs (Utopia Receive Bus) when the ATM PHY was not selected. FPGA inputs were not terminated in previous versions of QPSK Demodulator software which caused unpredictable results in the FPGA operation during the ATM internal loopback test conducted at high temperature. The register configuration of the ATM PHY had the operating mode set to Multi-PHY mode (default). This causes the Utopia Receive Bus to be tri-stated when the receive enable signal is inactive. The proper mode of operation should be single PHY mode.

Known Issues

There are no known issues to report.

For Information

If You Have Questions

If you have technical questions, call Cisco Services for assistance. Follow the menu options to speak with a service engineer.



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