TELEMETRY RANGE MANAGEMENT SOFTWARE (TRMS)
Product Overview

- Software Defined Networking
- Resource Virtualization
- Redundant Control and Monitoring
- Intuitive and Easy-to-Use GUI
- OS Independent Software Application
- End-to-End Ethernet Address Management
- Scalable (Single Units to Complete Range Solution)
- Full Link Connection Status Monitoring and Display
- Performance Logging and Post-Mission Analysis
- Built-in BERTS and Point-to-Point Link Test Functions

Premier Test Ranges are selecting GDP Space Systems' **Telemetry Range Management Software (TRMS)** to enable the seamless integration and management of new networked telemetry tracking, receiving, and data distribution assets in support of range modernization. TRMS is an extensible software suite providing Test Directors, Range Management Officials, and other technical staff with complete visibility and critical status on their test and network assets before, during, and after the test mission.

TRMS provides complete end-to-end control of all telemetry range network assets via an intuitive operator interface based on common language naming conventions (such as Site-N: Remote-1 or Channel-Z: Receiver 1: Output-2) as opposed to detail device configuration addresses. TRMS enables quick and accurate mission support development, modification, operation, and active mission management situations.

Hardware Components

- Telemetry Receivers
- TMoIP Transport Devices
- Telemetry Data Processors
- Best Source Selectors
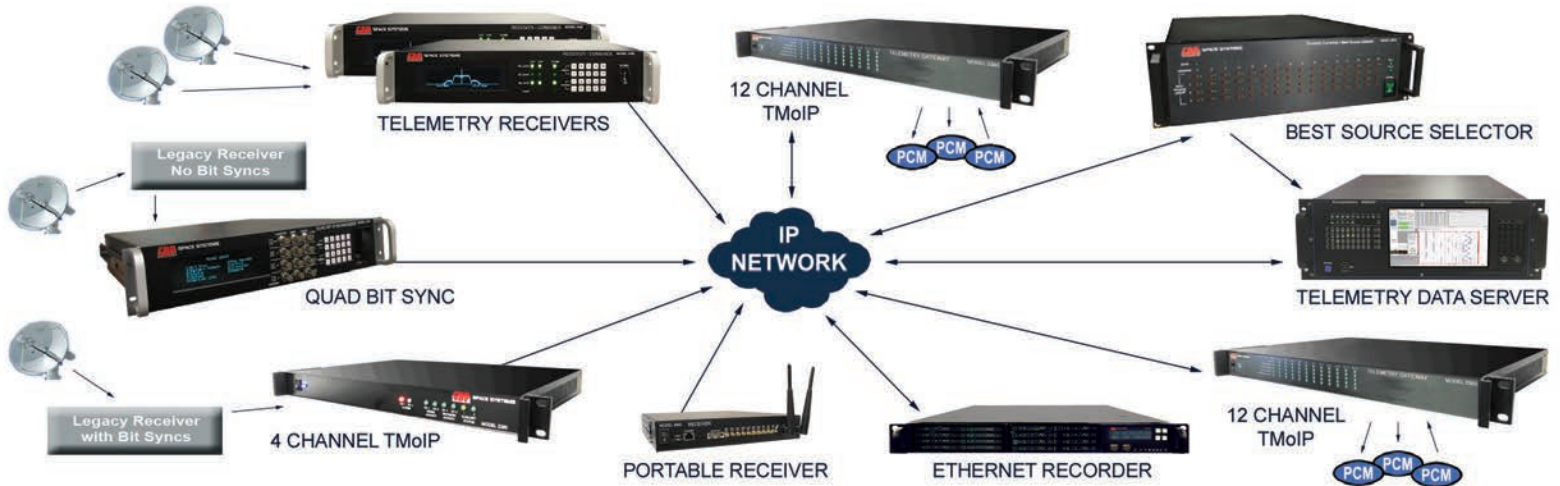- Ethernet Recorders

Replacement for L3 550 & Avalon end-of-life processing products

Used at PAX RIVER since 2007

IRIG218-20 & IRIG106 CH7 Support

Future-proof your telemetry range infrastructure with GDP Space Systems' reliable, next-gen Telemetry-over-IP products and software to support your missions today and tomorrow.

TELEMETRY RECEIVERS

12 CHANNEL TMoIP

PCM PCM PCM

BEST SOURCE SELECTOR

Legacy Receiver No Bit Syncs

QUAD BIT SYNC

IP NETWORK

TELEMETRY DATA SERVER

Legacy Receiver with Bit Syncs

4 CHANNEL TMoIP

PORTABLE RECEIVER

ETHERNET RECORDER

12 CHANNEL TMoIP

PCM PCM PCM

# TELEMETRY RANGE MANAGEMENT SOFTWARE (TRMS)
Product Overview

TRMS can provide an integrated high level setup, configuration, distribution, routing, processing, status, logging, and reporting application. Our effective TRMS application can simplify the installation, configuration and operation of the network based range system.

Used to configure range systems, set up and activate missions, and generate post mission reports, TRMS provides and easy-to-use, intuitive way to control all TMoIP equipment in a central coordinated environment.

The TRMS system functionality can be broken down into four parts:
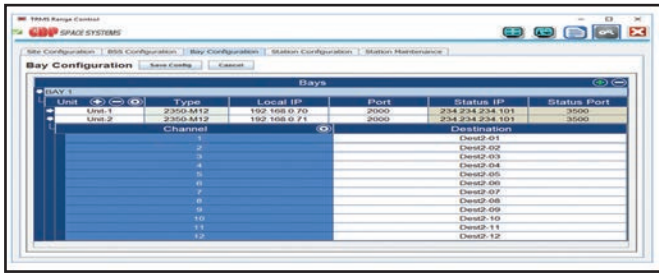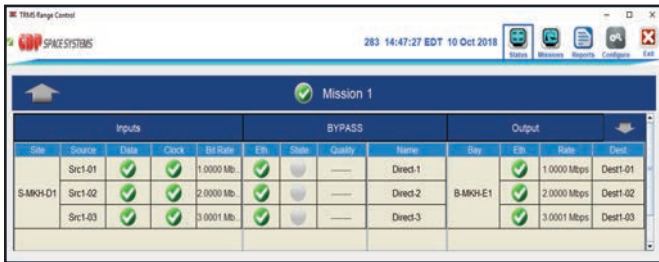

1) *Station and Static Configuration*

Used to define the static configuration of the system components. The primary function is to define the devices in the system and to configure each device's static settings.

2) *Mission Setup and Control*

Allows connections between source, intermediate and destination devices to be defined for a mission. A mission is a collection of connections of data streams for a particular range operation.

3) *Status and Troubleshooting*

Status information is sent from every device in the system to the TRMS. The software collects this status which is logged and used to drive status display applications.

4) *Reporting*

Post mission, the saved log file can be used to generate a mission report. Reports can be printed or saved and can be rerun for different start and stop times.