L-3 Telemetry & RF Products: State of the Business

San Diego, CA — Since last year’s combination of Telemetry-East and Telemetry-West to form Telemetry & RF Products (L-3 T&RF), we’ve streamlined our operations to serve as a turnkey provider of the most advanced, efficient and tailored technologies and product solutions in the industry.

Implementing the Infor LN 10.4 Enterprise Resource Planning (ERP) System at the San Diego facility in April 2016 and in Bristol, PA by Q1 of 2017 will create a single financial system for both sides, further strengthening L-3 T&RF’s competitiveness within the industry.

As a combined organization, we’re coordinating several internal research and development (IRAD) initiatives, aligning product roadmaps and implementing seamless product development efforts, while making our offerings more interoperable and eliminating duplication.

We’re proud of the improvements we’ve made over the last year and continue to adopt best practices throughout all facets of our business to ensure we deliver the solutions you need – on time and on budget.

Welcome to L-3 T&RF!

For more information, please visit our new website at L-3com.com/TRF.

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Upcoming Events

NDIA Air Armament Symposium
Ft. Walton Beach, FL | 1–2 November

International Telemetering Conference
Glendale, AZ | 7–10 November

AFCEA TechNet Asia-Pacific
Honolulu, HI | 15–17 November

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**InControl™ of 648 Satellites Simultaneously!**

**SAN DIEGO, CA —** L-3 Telemetry & RF Products (L-3 T&RF) has added a new feature to InControl™ that will allow multiple satellites to be managed at the same time.

The new InControl prototype has been developed to simultaneously control 648 simulated satellites. The testing scenario is run on the Amazon Cloud from three separate geographic locations. Big Data Cluster is used for archiving, and Jade/Web displays are connected to each of the 648 missions during testing.

Each satellite running the mission includes the following services:

- Telemetry simulator — 4.8 kbps stream
- Telemetry Decommutation — EU conversion, derived processing, alarms
- Processed Value Server — Data distribution
- Procedure Platform — Scripting, automation
- PV Processor — Archiving to Cassandra

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**L-3 Telemetry & RF Products Introduces Its Sixth—Generation Ground Receiver**

**BRISTOL, PA —** L-3 Telemetry & RF Products (L-3 T&RF) offers the SER-6000 receiver, which focuses on spectrum-efficient modulation and error-corrected communications.

**Current Features:**

- Two independent channel, dual touchscreen display receivers, plus combiner in a single rackmount package
- LL, UL, S, C-IF (P-band) and C-RF bands included standard in every receiver
- Multimode [Tier 0] FM, FM-Trellis, PM, AM, BPSK, QPSK, QOQPSK, [Tier 1] SOQPSK demodulators
- Data rates to 30 Mbps
- Eye, constellation, spectrum and video displays for each channel
- Unlimited mission setup storage

**Extended Features (coming soon):**

- [Tier 2] ARTM Multi-h CPM
- Low density parity checking per IRIG 106 Chapter 2 Appendix R Standard
- Space-time decoding per IRIG 106 Chapter 2 Appendix S Standard
- Data quality measurements
- TMoIP networked telemetry
**PRODUCT UPDATES**

For more information on any of the following products, please visit [L-3com.com/TRF](http://L-3com.com/TRF).

**The DMTS-4007 & MFT-800 Combo Packs a Powerful "Telemetry Punch"**

BRISTOL, PA — L-3 Telemetry & RF Products (L-3 T&RF) introduces a compelling new product offering.

We’ve integrated the dual-channel DMTS-4007 card with the dual-channel MFT-800 multifunction card for one powerful combination of ground processing technology. Data processing through L-3’s Vista™ or VTS telemetry processing software provides the ability to display, store and process your data in a self-contained unit (also compatible with decryption devices as needed).

The decom is easily loaded with NetDAS and PCM330E/PCM400 set-up files, creating the ideal ground checkout system. These combined modules in a rackmount or portable system create a proven high-performance solution for any ground station.

**Features:**

- Improved performance of processing software decom data streams (tested in excess of 100 Mbps)
- Dual-channel telemetry receiver with pre- and post-D combiner covers L&S bands with high dynamic range
- Tier 0, Tier 1 and other demodulation formats with data rates as high as 30 Mbps
- Programmable analog video, AM, AGC and TTL outputs
- Dual-channel bit and frame synchronizers
- Two Channel 30 Mbps decommutator with PCM simulator and IRIG time
- Vista™ telemetry processing software for real-time or post-mission evaluation
- Jade and Prospector add-ons for Visual provide powerful displays and data mining

**AFTR-925 Approved and Released for Production**

SAN DIEGO, CA — L-3 Telemetry & RF Products (L-3 T&RF) has moved forward with the production and delivery of the Advanced Flight Terminal Receiver (AFTR-925).

L-3’s AFTR-925 is a state-of-the-art receiver/decoder with three- or four-channel tone logic, redundant failsafe circuitry and a hardware design that will support the Enhanced Flight Termination Receiver (EFTR) waveform.

As a digitally designed radio, the AFTR-925 utilizes modern technology, allowing for the material and alignment costs to be extremely low. This design approach allows this product to be offered at a very competitive price.

With an evolutionary design, the AFTR-925 is based upon 33 years of range safety experience and meets both the test and design requirements of IRIG-313-01 and RCC-319-14 documents. The AFTR-925’s small size (4.5 cubic inches) and light weight (5 ounces) is also consistent with today’s missile programs requiring smaller and lighter-weight components.

On May 16, 2016, Eglin Air Force Base approved the AFTR qualification report and certified its use on U.S. Ranges. The receiver is now released for production.

View the press release online at [L-3com.com/TRF](http://L-3com.com/TRF).

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**ITC 2016 Preview: New Horizons in Telemetry**

L-3 Telemetry & RF Products (L-3 T&RF) will be exhibiting at this year’s 52nd annual International Telemetering Conference (ITC), taking place November 7—10, 2016 for the first time at the Renaissance Glendale Hotel & Spa, Glendale, AZ.

No other venue provides the depth of coverage on the telemetry industry than ITC/USA. The conference theme this year is “New Horizons in Telemetry.” The second decade of the 21st century may be characterized by the changing landscape in all areas of telemetry. In aeronautical telemetry, the increasing sophistication of the systems we test increases the volume and importance of telemetry data. Spectral reallocations present new challenges and new opportunities. The rise of the Internet of Things (IoT) is introducing telemetry to devices and networks at an increasing rate.

Visit us in Booth 707 to see a demo of our new advanced integrated telemetry system, which includes our market-leading data acquisition and telemetry products for aircraft, weapons and ground applications. Also on display will be our ground-based telemetry data processing applications and our low-cost PCI/PCIe telemetry board solutions, including our DMTS-4007 and SER6000 (Spectrum Efficiency Receiver) ground receivers. Additionally, there will be live demos of our high-performance Windows™ - and Linux-based VME turnkey solutions.

For more information on the show/conference, please visit [www.telemetry.org](http://www.telemetry.org).
Telemetry & RF Products

We are a full-service manufacturer of state-of-the-art communication and telemetry solutions for space, airborne, terrestrial and maritime applications.

Our integrated solutions combine latest-generation technologies and proven processes and are provided to defense, intelligence and government agencies, as well as international and commercial organizations.

We partner with customers, industry and academia to develop innovations that reduce costs and improve performance.

L-3 Telemetry & RF Products
9020 Balboa Avenue 1519 Grundy's Lane
San Diego, CA 92123 Bristol, PA 19007
Tel: (858) 694-7500 Tel: (267) 545-7000

Email: Sales.TRF@L-3com.com
www.L-3com.com/TRF

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PLEASE EMAIL YOUR COMMENTS, SUGGESTIONS OR REQUESTS TO: L-3T&RF.Marketing@L-3Com.com

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