

## Test Solutions for the Communications Industry

With nearly 60 years telephony experience, DeftCom provides its customers with:

- Network integration, test and validation,
- Conformance/performance test,
- Network assessment and certification,
- Remote test and monitoring,
- Lab design and test equipment consultation, and
- Contractor search and placement.

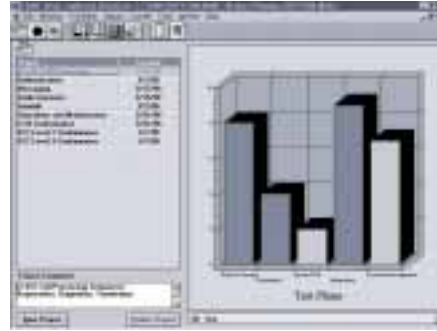
DeftCom tests and certifies voice, data and signaling networks for wireless service providers, landline service providers and manufacturers of communications network equipment.

The unique methodology developed by DeftCom, including TDMS™ (Test Database and Management System) and our excellent relationship with test equipment vendors, assures you high-performance service delivered under rigorous standards.

The principals of DeftCom, Jim Carroll and Tom Sondgeroth, are talented professionals in the telecommunications industry who have pooled their skills. They are masters of telecom engineering, design and implementation. DeftCom concentrates on doing things right so you can focus on doing the right things.

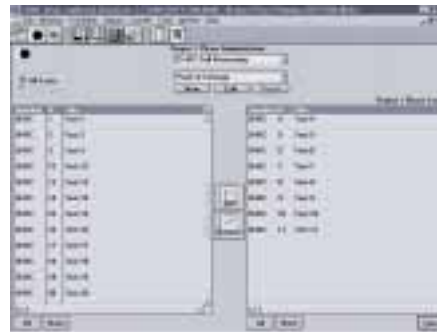


## TDMS™ Your Complete Testing Management and Database Software Solution



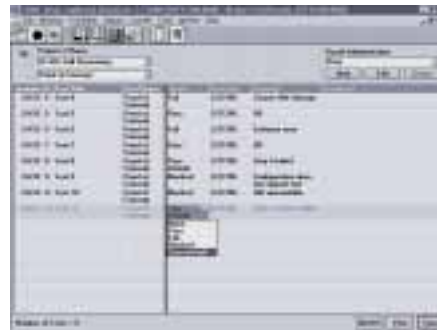
### Project Definition & Management

*The defining and management phase of the test cycle is reflected on this screen. It allows test managers the ability to differentiate between the products or services under test.*



### Test Case Planning

*This process allows the tester to match test cases to a particular phase of the test lifecycle. After defining the project and phase under test, test managers determine which tests to execute in a phase.*



### Data Collection Report

*This screen gives a high-level snapshot of test results to gauge progress throughout the test lifecycle. After all the tests have been executed, this report becomes part of the final analysis of the product or service under test.*



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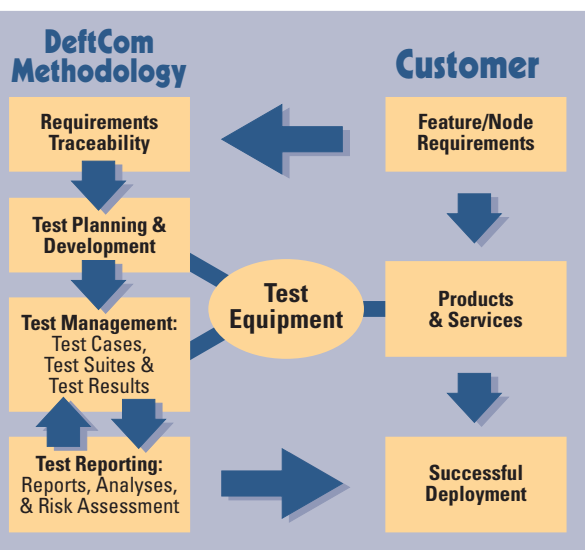




## Test Services for Inter-Operability, Certification, Conformance and Performance

DeftCom provides complete end-to-end test process integration and management using TDMS™ and supporting software. The company offers network interface services and network element validation. It provides remote monitoring and testing of network elements. Services include:

- High-level test specification document development,
- Low-level test plan document development including requirements traceability,
- Test case planning,
- Test execution,
- Test error analysis,
- Trouble results reporting, and
- Test results documentation.



When you use the professional expertise of the DeftCom team, you save on training costs as well as the time it takes for new personnel to completely understand your testing environment. Our people are trained on TDMS™ and the DeftCom methodology, and are ready to go to work. DeftCom provides product interface compliance as well as conformance and performance certification using equipment and interface simulation.

## Turn to Us With Confidence

We offer high productivity with minimal time and have a talent for acting like your customer. An objective evaluation of the conformance, performance and network reliability of your products allows you to offer premium quality to your customers. We'll give you honest feedback about your products and act as a technical liaison to your end customer.

## DeftCom Principals:

### Jim Carroll

**Jim Carroll worked as a member of the technical staff for AT&T Bell Laboratories for eight years before starting DeftCom with his partner, Tom Sondgeroth.** Carroll earned a Master of Science in Computer Science and is now working on his MBA. His expertise lies in systems engineering, development, testing, deployment, wireless, switching, transmission, signaling protocols, database design and provisioning, networks, and computers.

Carroll worked as the site manager and provided customer interface for the first AT&T GSM product deployment in Asia where he supervised more than 20 people in a field environment. He also worked on a high-pressure project in Kuwait after the Gulf War ended.

### Tom Sondgeroth

**Tom Sondgeroth is trained as a systems software engineer and has won accolades for his work.** Sondgeroth is highly qualified in systems engineering, high level languages, assembly languages, bus analyzers, emulators, debuggers, development systems, operating systems, switching systems, transmission systems, protocol monitors and editors. He earned his Bachelor of Science in Computer Science from Texas A&M in 1982.

Sondgeroth has worked with Motorola Satellite Communications (Iridium), AG Communication Systems, AlliedSignal Controls and Accessories – where he received a president's award for developing a more efficient test development and execution process – Alcatel Network Systems and General Electric Medical Systems.

Sondgeroth also worked for Texas Instruments for five years and received an achievement award for automation work. A project that was estimated to take "six man years" was reduced to "one-and-a-half man years" under his direction.

## Contractor Placement and Search Capabilities

Increasingly, businesses are using contract personnel to augment the skills and availability of their permanent test staff. DeftCom supplies first-rate telephony test contractors for your temporary needs. Want to hire someone full-time? DeftCom is your number one source for finding highly skilled, educated and trained telephony test personnel anywhere in the country. We'll help you identify the skills you need, then present you with the perfect match.

## Talented and Seasoned Professionals, Ongoing Education, Creative Approaches, Customer Service.

That's the DeftCom team. Our experience – and our attitude – give us the ability to understand our customers' problems quickly and accurately. We move effectively among voice, signaling and data applications. We validate both features and platform and work with a variety of interfaces. Most importantly, we tailor our approach to the unique needs of each client.

DeftCom employs only people whose work is respected by the people who count – you. Whether it's testers, personnel for deployment or serving as a liaison to your customer, we're here to do the job from end-to-end.

## Customer Choices

The methodology DeftCom developed allows us to combine the most outstanding features of our services to give you numerous choices for effective management of your testing environment:

- Use DeftCom personnel, methodology, software and hardware to test your entire system. We'll help you determine what tests are needed, then do the entire job for you.
- DeftCom contractors can test your communications network using your test equipment. We integrate our methodology into your network test design.
- We can recommend a reliable test equipment vendor which will sell or rent test equipment that can be used in conjunction with TDMS™.
- TDMS™ is a licensed product and is available for lease or purchase with or without the DeftCom personnel.

## You Need DeftCom

DeftCom's seal of approval tells the service provider and manufacturer if a product meets specifications. By using DeftCom's risk management and comparative analysis approach, you'll have confidence in your product quality assessment.

Our results oriented, trouble tracking and management approach uses test equipment evaluation, test lab consultation and remote testing – and the finest personnel available – to guarantee the highest quality possible.

DeftCom has the skills, experience, methodology and personnel to provide what you need in telephony testing. We're ready to prove everything we claim. Call us this week to learn how DeftCom can help your company be more successful.

**DeftCom Inc.**   
Test Solutions for the Communications Industry.

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