



# Teleprocessing Network Simulator (TPNS) Test Manager

---

## Highlights

---

**Simplifies access to TPNS functions**

**Enhances user productivity**

**Enhances and automates test case management and documentation**

**Automates script and network generation**

**Improves cost efficiency by reducing education and debugging time**

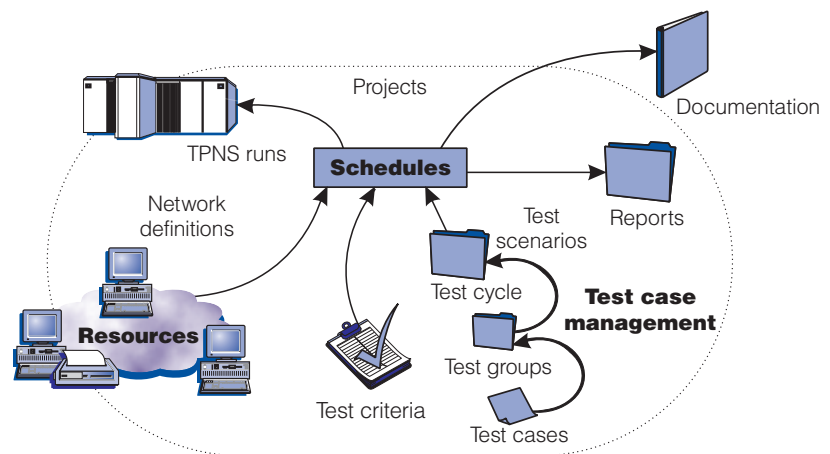
Boost your TPNS testing productivity with the IBM Teleprocessing Network Simulator (TPNS) Test Manager (TTM, Version 3 Release 5), software that extends the services of TPNS by guiding the user through the testing process and improving the organization, scheduling and management of tests. With easy-to-use interactive panels, Test Manager streamlines TPNS to enhance testing for 3270 applications or logical unit (LU) 6.2 advanced program-to-program (APPC) or common programming interface for communications (CPI-C) transaction programs. TTM can also be used for other protocol tests when the TPNS model networks are used as a test base. In addition to managing the testing process, Test Manager can automatically generate

scripts and networks, control resource use during runs and automatically generate reports.

### Optimize your testing process

Test Manager groups all work associated with a test into a project, which is a set of libraries containing all the data needed to run and organize TPNS tests. These project libraries include a TPNS network definition and associated test-scenario definitions.

Test scenarios are organized into three levels: test case, test group and test cycle. At the first level, individual test cases can be created, edited, deleted and manipulated. At the second level,



Architecture of the TPNS Test Manager.

---

## IBM TPNS Test Manager (Version 3 Release 5) at a glance

---

### Software requirements

Teleprocessing Network Simulator, Version 3 Release 5, Service Level 9711

---

### Hardware requirements

Runs in a virtual storage environment in any IBM system configuration that supports MVS/370, MVS/ESA™, MVS/XA™ or OS/390®, as specified in Software requirements. This licensed program operates on the IBM System/390® processor, the IBM System/370™ processors (including ES/9370™) and 3090™ processors.

---

test groups can be created from ordered lists of test cases. The third level consists of ordered lists of test groups and test cases, called test cycles.

### Automate TPNS script generation

With Test Manager, there are several ways to automate test case development. A test case is the actual sequence of work steps that have to be performed by the simulated resources during a test. For 3270 test environments, TTM can automate the script generation process from 3270 screen and keyboard interactive data captures (IDCs), Systems Network Architecture (SNA) traces, TPNS or IDC logs or from a structured translator language (STL) model or skeleton. For CPI-C test environments, test case generation is accomplished by using an SNA trace. Test Manager can also build TPNS user data tables containing modifiable string data.

### Automate test runs and results analysis

Test Manager optimizes the functions of TPNS by automating test runs, facilitating results analysis and reducing debugging time. Users can set up automation to invoke and execute TPNS utilities, create schedules, reference test case resources, define networks and document test results.

### Create documentation to enhance test plans, procedures

With Test Manager, you can enhance your test plans and procedures by using documentation creation services to document test plans, completion criteria and setup requirements and run tracking and analysis. You can also use templates from the output utilities to assist in editing, scripting and project reporting.

### Enjoy user flexibility with multiple operation modes

To simplify operation and provide users with flexibility, Test Manager can run in three different operation modes. The Hide mode hides various TPNS and Test Manager interactions. The Display mode shows all of the interactions, but doesn't give the user any control over the interactions. The Interactive mode allows the user to control the TPNS and Test Manager interactions by requiring user action to start and execute utilities.

### A cost-effective choice

Because Test Manager controls the testing process, education time is minimized. With its hierarchical structure, Test Manager encourages users to develop modular test cases, reducing development time and facilitating reuse. With this structure and its ability to simplify and automate the testing process, Test Manager becomes a significant cost-effective enhancement for your TPNS testing process.

### Year 2000 compliant

TPNS and TPNS Test Manager are Year 2000 compliant.

### For more information

For more information about TPNS and Test Manager, visit us on the Internet at [www.software.ibm.com/enetwork/tpns](http://www.software.ibm.com/enetwork/tpns) or call the Hotline at 1 800 835-8767. For a no-charge 60-day trial period, call 1 800 IBM-CALL.



© International Business Machines Corporation 1998

IBM Corporation  
3039 Cornwallis Road  
Research Triangle Park, NC 27709

Produced in the United States of America  
9-98  
All Rights Reserved

The e-business logo, ES/9370, IBM, MVS/ESA, MVS/XA, OS/390, System/370, System/390 and 3090 are trademarks of International Business Machines Corporation in the United States and/or other countries.

Other company, product and service names may be trademarks or service marks of others.

Year 2000 ready means that the IBM Product, when used in accordance with IBM-associated documentation, is capable of correctly processing, providing and/or receiving the date data within and between the twentieth and twenty-first centuries, provided that all products (for example, hardware, software and firmware) used with the IBM Product properly exchange accurate date data with it.



Printed in the United States of America on recycled paper containing 10% recovered post-consumer fiber.



G325-3846-00