WHY DO AT&T AND ITS AFFILIATES TEST?

When individuals are being considered for our available job openings, they go through a selection process to measure their skills and abilities to determine if they can perform the jobs in a satisfactory manner. It is to the advantage of both you, as a job candidate, and the company that only those who can perform at acceptable levels be placed on the job. Research has shown that tests provide accurate measures of people’s skills and abilities and, therefore, we use tests to help identify people best suited for our job openings.

WHAT IS THE DIGITAL TECHNOLOGY SKILL ASSESSMENT TEST (DT-SAT)?

The DT-SAT is designed to be one part of the process of selecting candidates for telecommunications technician positions. There are four parts to complete in this test which is administered in a group testing session. The candidate must meet a standard on the combined results of the four parts in order to qualify on the test.

The DT-SAT consists of 100 multiple-choice questions. There are four timed sections of the test:

- **ELECTRICAL PRINCIPLES AND BASIC ELECTRONICS (25 minutes)** Tests your knowledge of the basic principles and terms of electricity, the basic concepts of electrical circuitry, common electrical and electronic symbology, and the electrical transmission and waveforms.

- **DIGITAL SYSTEMS (25 minutes)** Tests your knowledge of the principles used in digital communication and transmission. It also tests your knowledge about basic computer concepts.

- **DIGITAL LOGIC (30 minutes)** Tests your knowledge of basic digital logic concepts and your skill at applying these concepts to problems which you must solve in order to find the correct answer.

- **NUMBER SYSTEMS AND CONVENTIONS (25 minutes)** Tests your knowledge of numbering systems and conventions, and your skill at solving related problems.

The test takes approximately 2 hours and 30 minutes to complete. You must meet the minimum standard on the combined results of the four sections to qualify on the test.

WHAT CAN I DO TO PREPARE FOR THE TEST?

The following is a list of references that cover to a very high degree the topics addressed in the DT-SAT. Most of these references – or their equivalent – should be available at a public library or bookstore for you to study or review prior to taking the test.

- Chapter 1: Background and Terminology
- Chapter 2: Why Digital
- Chapter 3: Voice Digitization
- Chapter 4: Digital Transmission and Multiplexing
   Chapter 1: The Nature of Electricity
   Chapter 2: Electrical Standards and Conventions
   Chapter 3: Ohm’s Law and Power

   Chapter 2: Introduction to Electronics
   Chapter 3: Inductance, Capacitance, and Alternating Current
   Chapter 6: Semiconductors (sections on transistors, integrated circuits)
   Chapter 18: Computers (includes logic, gates, etc.)

   Chapter 2: Fundamental Concepts of Electricity
   Chapter 4: Series D-C Circuits (sections on simple electric circuit, schematic representation, power capacity of electrical devices, energy, series circuit characteristics, open and short circuits)
   Appendix XI: Laws of Exponents

   Chapter 1: Numbers Used in Digital Electronics
   Chapter 2: Binary Codes
   Chapter 3: Basic Logic Gates
   Chapter 4: Other Logic Gates

When you are scheduled for the DT-SAT, you will be given a specific time to report to the testing location. Try to arrive at the location at least 15 minutes before your scheduled test time to give yourself time to relax before the test begins. Review this Test Information Pamphlet and be prepared for the test by bringing your glasses, etc. Ask questions before the test begins and be sure you understand the format of the DT-SAT.

FOR EMPLOYEES ONLY: You may contact the AT&T Self Development Resource Center located on HROneStop at http://hronestop.att.com >> Your Career >> Self Development >> Test Preparation to inquire about study guides, textbooks, and/or general course information that may help you prepare for the test.

WHAT CAN I DO TO PERFORM MY BEST ON THE TEST?

1. Read questions carefully.
2. Think - reason out your answer.
3. Answer questions you are sure of first.
4. Reject immediately those answers you know are incorrect.
5. Don't change your answers unless an obvious mistake has been detected.
6. Be aware of the time (make a mental note of the time when the test begins and pace yourself accordingly).
RETEST INTERVALS

If it should happen that you do not qualify on the DT-SAT, you may retest at six-month intervals. Test standards are periodically updated to reflect current abilities and skills required for our jobs. Therefore, it may be necessary to meet new test standards should they be introduced prior to your placement on the job.

SUMMARY

Successful completion of the DT-SAT qualifies you for possible placement into jobs requiring the test. Additional testing may be required for certain positions. See job briefs in your area for additional testing requirements for titles you are interested in.

AT&T and its affiliates support and comply with the provisions of the Americans with Disabilities Act (ADA) and other Federal and State laws that specifically assist individuals with disabilities. If you have a limiting disability and need special testing arrangements, please ask your local Employment Office or Placement Bureau personnel for information about the testing accommodation process.