

3.10 BIOS/UEFI

As you study this section, answer the following questions:

- What are the functions of the BIOS?
- What is the role of CMOS? How does it differ from the BIOS?
- Why does the CMOS require a battery?
- What might be some common reasons for editing the CMOS settings?
- What determines the keystroke to open a CMOS editor? How can you find this information?
- What functions are performed in the POST process?

In this section, you will learn to:

- Find and edit BIOS settings
- Clear CMOS settings

Key terms for this section include the following:

Term	Definition
Unified Extensible Firmware Interface (UEFI)	I/O firmware that will, eventually, completely replace BIOS.
Basic Input Output System (BIOS)	Firmware that controls input and output operations.
Electrically Erasable Programmable Read-Only Memory (EEPROM)	A RAM chip that replaced the CMOS chip.
Complementary Metal-Oxide Semiconductor (CMOS)	A technology for constructing integrated circuits.

This section helps you prepare for the following certification exam objectives:

Exam	Objective
TestOut PC Pro	1.2 Configure hardware components 1.2.2 Configure BIOS/UEFI settings
CompTIA 220-1001	3.5 Given a scenario, install and configure motherboards, CPUs, and add-on cards. <ul style="list-style-type: none">▪ BIOS/UEFI settings<ul style="list-style-type: none">▪ Boot options▪ Security▪ Drive encryption▪ TPM▪ LoJack▪ Secure boot

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