11 Override and Selective Control

In Chapter 10, we began our discussion of control techniques that enhance simple feedback to provide improved control performance. Specifically, Chapter 10 presented cascade control. **Chapter 11 continues this presentation with two other techniques: override and selective control (override control is also sometimes referred to as constraint control).** Very often these techniques are implemented for safety and optimization considerations. Also, these techniques often deal with multiple control objectives (controlled variables) and a single manipulated variable. Up to now we have dealt only with processes that have one control objective. In Chapter 13, we will look at processes with multiple objectives and multiple manipulated variables. The chapter begins with a presentation of some computing algorithms needed for these and other control techniques.