Part II
Managing the Verification Process
Preface to Part II

In Part II we describe in more detail how to apply a metric-driven methodology to our every day processes. We move down a level of abstraction form Part I and discuss how to actually implement metric-driven processes. We’ll discuss implementing the “container processes.” Container processes are the processes that apply regardless of what underlying verification methodologies we are using; processes such as regression management and revision control. Working within the plan, execute, measure, and respond framework described throughout Part I, we’ll first describe in detail how to plan verification projects.

Next, we’ll look at a layered methodology for capturing metrics independent of the source of the metrics in Chapter 7. Presenting a methodology to capture metrics breaks away from the plan–execute–measure flow, but it makes sense in the context. Even as we start our execution engines, we need to capture metrics, not only metrics returned from our executions engines, but also metrics about how and when they are used. We actually need to have our metric capture apparatus in place, functional, and visible before the execution phase of the project begins.

In Chapters 8–10 we’ll discuss the “container” processes of regression management, revision control and debug.