

**ASTQB/GTB**  
PERFORMANCE TESTING SYLLABUS  
GLOSSARY TERMS

|                                 |   |
|---------------------------------|---|
| <b>endurance testing</b>        | A type of performance testing conducted to evaluate the stability of the system over a time frame specific to the system's operational context  |
| <b>spike testing</b>            | A type of performance testing conducted to evaluate the ability of a system to recover from sudden bursts of peak loads and return afterward to a steady state  |
| <b>performance objective</b>    | A goal for the various performance aspects of a system that can be verified through conducting tests in a controlled environment  |
| <b>batch processing</b>         | The execution of a series of jobs or transactions grouped together in a set and executed off-line   |
| <b>concurrency</b>              | A measure of the number of simultaneous or parallel threads of execution  |
| <b>performance test script</b>  | A simulation of user or component activity that contributes to the load on the system under test  |
| <b>protocol</b>                 | Protocols define a set of communications rules between computers and systems.   |
| <b>ramp down</b>                | The act of decreasing the load on a system in a measurable and controlled way   |
| <b>ramp up</b>                  | The act of increasing the load on a system in a measurable and controlled way   |
| <b>service virtualization</b>   | A method to emulate the behavior of specific components, services, of a system  |
| <b>stakeholder</b>              | A party that has an interest in the activities of a project, system or organization   |
| <b>system throughput</b>        | The amount of data or data items passing through a system or process  |
| <b>think time</b>               | The amount of time required by a user to determine and execute the next action in a sequence of actions   |
| <b>transaction</b>              | A set of activities performed by the system from the point of initiation to the point at which one or more processes have been completed  |
| <b>virtual user</b>             | A simulation of the activities that would be performed by a user according to the operational profile   |
| <b>load generator</b>           | In performance testing, a tool used for the creation of a defined set of activities to be submitted to a target process or system   |
| <b>management console</b>       | In performance testing, an interface to a load generation tool that provides the control to start and stop the load generation  |
| <b>performance testing tool</b> | A tool to support performance testing that usually has three main facilities: load generation, a management console that provides an interface to a load generation tool, and a monitoring tool. (see also load generator, management console, monitoring tool) |