# Domain Track Status – Computer Graphics

**What does quality mean in your selected domain?**

Quality in computer graphics is based on how the graphics look and how fast they run. Customers are looking for graphics that are beautiful and don’t lag. Lag is where the graphic takes a long time to update. Many online video games can experience lag and a customer will judge the game based on that experience.

**What are the important factors?**

Rendering algorithms are an important factor in computer graphics. Ray tracing and radiosity are two of the most common ways to render computer graphics. Depending on which algorithm you use can change the look of the graphics. It also depends on what you are trying to achieve through the graphics. Whether or not the graphics are moving or not can determine what programs you use to create the graphics. While a graphic is moving, you will have to consider frames per second. This will affect how choppy the graphics look while moving.

**What processes are currently used?**

To guarantee the graphics have good quality the best process is to just look at the result. You can also judge moving graphics by its frames per second. A primary source used for graphics would be customer feedback. Many companies have a very detailed process for customers to explain bugs they found in the graphics. The more people look at the graphics, the more opinions you will get on how to improve them.