

## Spherical Angle®

### Critical Chain Project Management for Microsoft® Project

#### The Looking Glass® Suite

A toolset of products aimed at optimizing the management of resource assignments and analyzing project risk. This maximizes the speed of completion of all projects in a portfolio and increases bottom line business results.



A Single Project CCPM module that incorporates Critical Chain Buffer Management concepts, based on Dr. E. M. Goldratt's Theory of Constraints (TOC).

##### cc-Pulse® delivers:

- *Critical Chain Identification* tool based on task and resource dependencies
- Project Scheduling based on the statistical calculation of 2 entered data points, the *average and safe duration*
- Project Tracking based on remaining duration and *Buffer Protection Ratio* concepts
- Objective measurements of task level prioritization within and across multiple projects with the *Task Prioritization Metric (TPM)*
- Introduces the *Event* and *Bottleneck* buffer, advanced planning and tracking features



A Multi-project CCPM module that allows project scheduling across an entire enterprise based on one or more designated drum (pacesetter) resources.

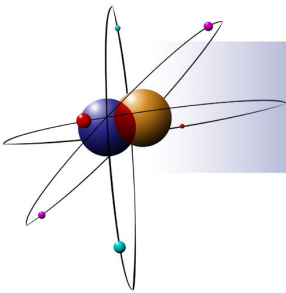
##### cc-MPulse® delivers:

- A complete implementation of the *Critical Chain Multi-Project Management Method* and the exploitation of the full set of benefits afforded by CCPM
- The benefits of *finite capacity scheduling* to the multi-project environment
- Updated expected starts of the *drum schedule, across all projects*, based on the availability of the drum resource
- Analyzes the load on the resource pool, to find the most heavily loaded resources



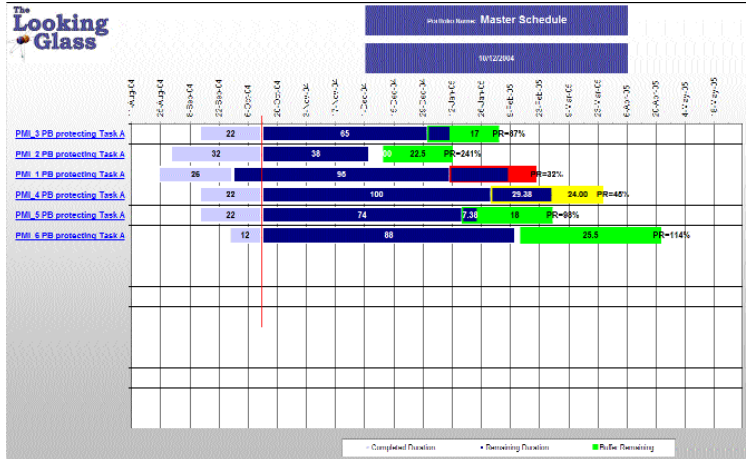
A graphical reporting tool integrated into all of The Looking Glass® Suite products. The Looking Glass® provides a Multi-Project Portfolio View, a Single-Project History View and SPC Run Charts.

- The Multi-Project Portfolio View allows management to see the status of all projects within the organization at a glance.
- A mouse click drills down to the Single-Project History View for additional details. The data points for the expected project duration estimates are plotted on an SPC run chart.
- The Western Electric rules for statistical process control are applied to the time-ordered data series of expected project duration. These rules help managers to distinguish real signals of trouble from statistical noise.
- Decisions can be made quickly about the resources and work within an organization in order to maximize project output and success.



# Spherical Angle®

## Critical Chain Project Management for Microsoft® Project

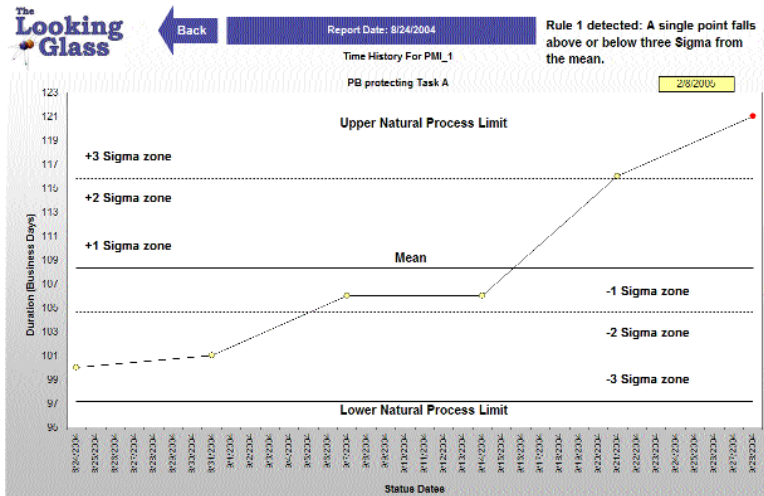
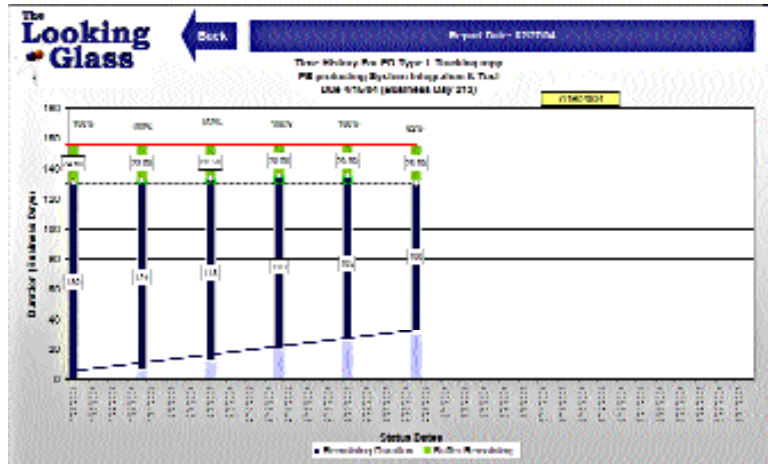


### Multi-Project Portfolio View

- Expected completion for this deliverable as of the date of this report
- Protection Ratio, as of the date of this report
- Duration remaining for this deliverable
- List of deliverable names, hyperlinked to corresponding time histories of remaining duration
- Elapsed time for this deliverable
- Time of this report

### Single-Project History View

- Expected value of end date, as of the date of this report.
- Current estimate of project duration. This is a statistical quantity, and it is tracked on the control chart of the project.
- Duration estimate for remaining work, as of the date of this report.
- Elapsed time.
- Buffer (Project Tolerance) at project start.
- Duration estimate at project start.



### SPC Run Chart

- Western Electric Rules for SPC are triggered and displayed.
- Data points responsible for the triggering of the rule are red.
- Process limits and mean calculated using average project duration and moving range.

### Compatibility:

Microsoft® Windows 95 or later,  
 Microsoft® Project 2000 through 2007  
 Microsoft® Office Project Server  
 Microsoft® EPM Solution  
 Microsoft® Office 2000 or later  
 SQL Server 7.0/ 2000, Oracle v8i/v9i