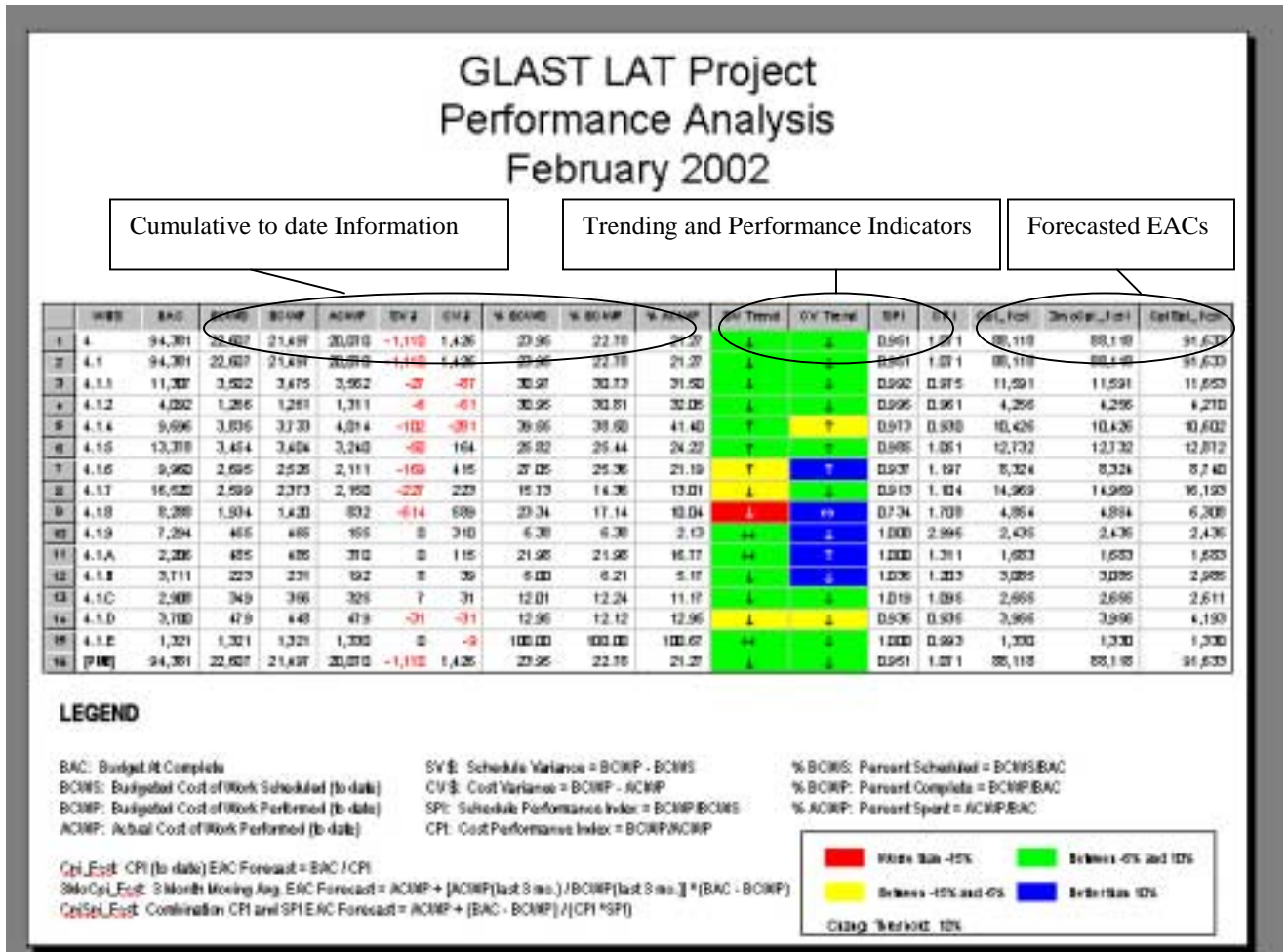


## PERFORMANCE ANALYSIS (How to interpret this report)

The Performance Analysis Report is a summary report which provides information on performance to date, indicates any trends in cost or schedule variances and, based on the performance to date, calculates an estimate at completion (EAC) using three different forecasting models.



### Cumulative to Date Information

- The Work Breakdown Structure (WBS) is a hierarchical, product-oriented breakdown of work.
- The Budget At Complete (BAC) is the approved budget for completing work.
- Budgeted Cost of Work Schedule (BCWS) is how much you planned to accomplish within a given time period.

- Budgeted Cost of Work Performed (BCWP) is simply a measure of how much you have accomplished within a given time period.
- Actual Cost of Work Performed only includes actual work and materials costed to date (does not include commitments).
- Both the Schedule Variance (SV) and Cost Variance (CV) are expressed in dollars and are measured against how much has been accomplished to date.
- % BCWS, %BCWP and %ACWP are cumulative-to-date information expressed in percentages.

### Trending and Performance Indicators

The SV Trend and CV Trend columns compare performance against baseline plan to date. Within these color-coded cells are trending arrows which compare the current reporting period with the previous reporting period. For example, a yellow cell with a down arrow in the CV Trend column indicates:

- a marginal variance of -5% and -15% (i.e unfavorable cost variance, overrun), and
- the trend is getting worse compared to the previous reporting month.

The Schedule Performance Index (SPI) and Cost Performance Index (CPI) are indicators of schedule or cost efficiency with which work has been accomplished. In other words, it's how much "bang for the buck" you are getting. For example, if a CPI were equal to .80, it means for every budgeted dollar spent, 80 cents in value was received. A CPI equal to 1.0 would indicate that the cost is on target. An SPI equal to .80 means that 80% of the work planned has been earned.

### Forecasting Models - Estimate at Completion (EAC)

- Cpi\_Fcst calculates the EAC based on the cumulative-to-date CPI.
- 3MoCpi\_Fcst calculates the EAC based on an average of the most recent three months' CPI.
- CpiSpi\_Frcst is a weighted average of the cumulative to date CPI and SPI.