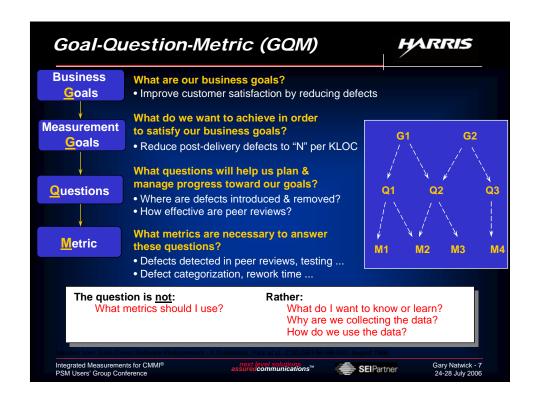
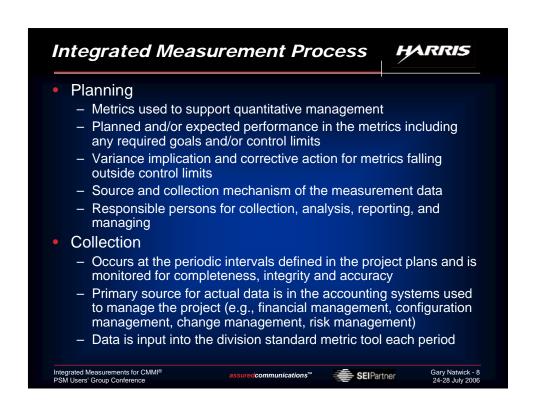


## Why We Measure HARRIS Characterize Gain understanding of integrated processes, products, and resources Establish baselines for future comparisons Evaluate Measurement indicators show when projects and processes are drifting off track, so they can brought back under control Assess achievement of quality goals and impacts of technology and process improvements on products and processes Predictive measures are also the basis for trending, so estimates for cost, time, and quality can be updated based on current evidence Gain an understanding of relationships among processes and products for future prediction Improve Identify roadblocks, root causes, inefficiencies, and other opportunities for improving product quality and process performance Measures of current performance to compare against and judge whether or not improvement actions are working as intended and what the side effects may be Integrated Measurements for CMMI® PSM Users' Group Conference Gary Natwick - 5 24-28 July 2006 assuredcommunications™ SEIPartner







## HARRIS Integrated Measurement Process **Analysis** Metrics are communicated graphically for a clear and easily understood Better to have many graphs than it is to have many messages on one Metrics are indicators that give warnings of problems associated with issues An issue may be tracked with several metrics using different measures Trend-based metrics when expected or planned values change regularly over time to determine whether the performance implied is achievable Limit-based metrics when expected or planned values remain relatively constant over time to determine whether the performance crosses its established bounds Reporting Quantitative management decisions are communicated to project team members, management and customers Integrated into the management process and occurs as soon as possible after analysis has been completed to assure that there is time for corrective action Metric's falling outside the control limits are reviewed and corrective actions are recorded and tracked to closure Integrated Measurements for CMMI® PSM Users' Group Conference SEIPartner

