

Risk Plotter©



December 2005

**Graphical Capability
for
Risk Mitigation Tracking**

Risk Management



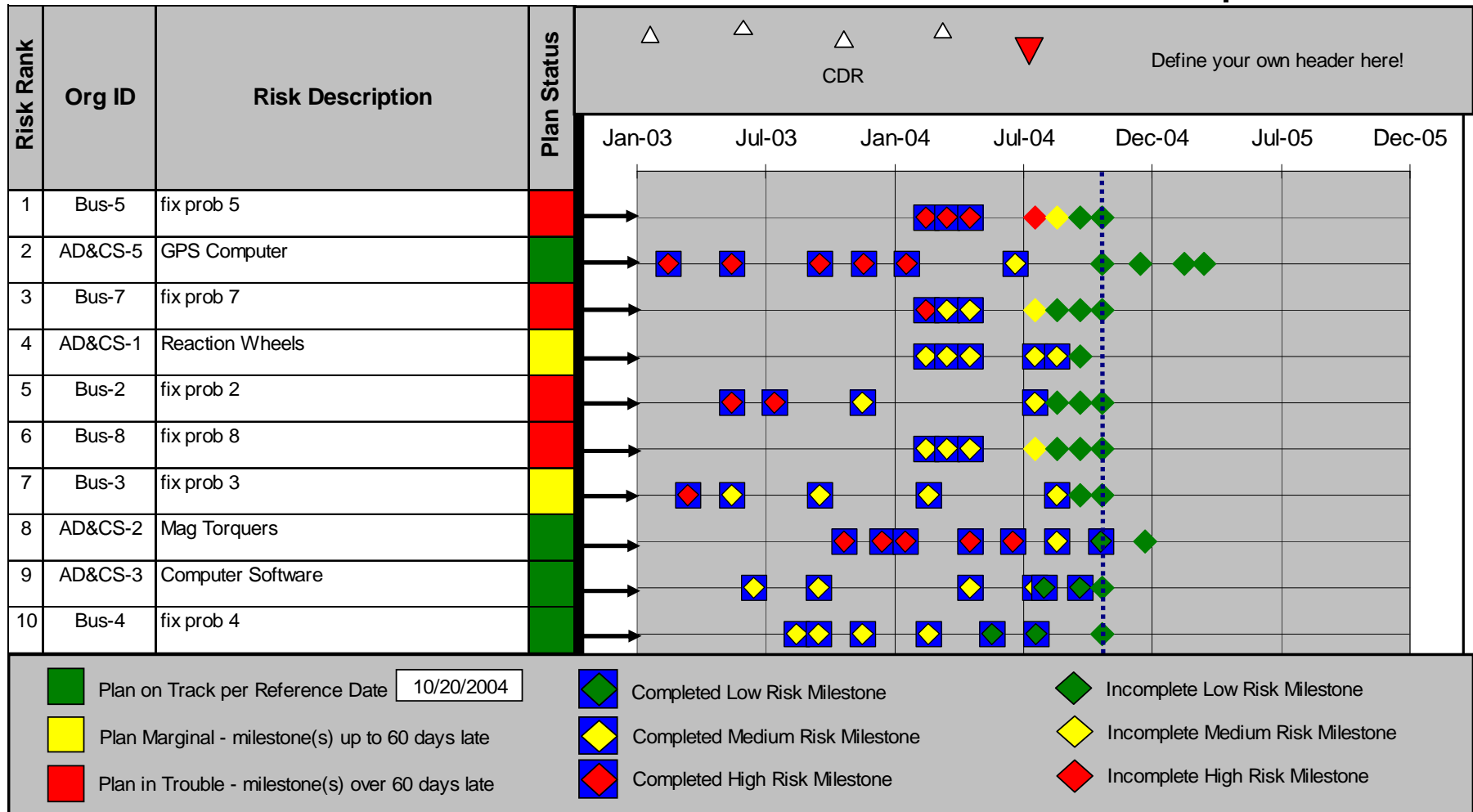
- Risk Management is a Critical Function in the Successful Execution of Development Programs
- Fundamental Risk Management Activities:
 - Thorough Assessment and Determination of Driving Risk Areas
 - Reasonable and Accurate Risk Impact Assessment
 - Comprehensive Mitigation Plan Development
 - **Continued Monitoring of Mitigation Plan Execution**
 - Mitigation Activities Must Be Monitored to Ensure Successful Completion and Risk Burndown

How Does Risk Plotter Fit In?



- Large, Complex Programs Have Many Complicated Risk Mitigation Plans Underway Simultaneously
- It Is Difficult for Management to Easily Assess Mitigation Plan Performance
 - Generally Requires Analysis of Detailed Schedule Activities to the Lowest Level
- Risk Plotter Simplifies Risk Mitigation Plan Execution Monitoring
 - Easy To Understand Graphical Representation of Risk Mitigation Plan Performance
 - Detailed Risk Performance Views Also Available

Risk Summary Plot Example



Risk Summary Plot



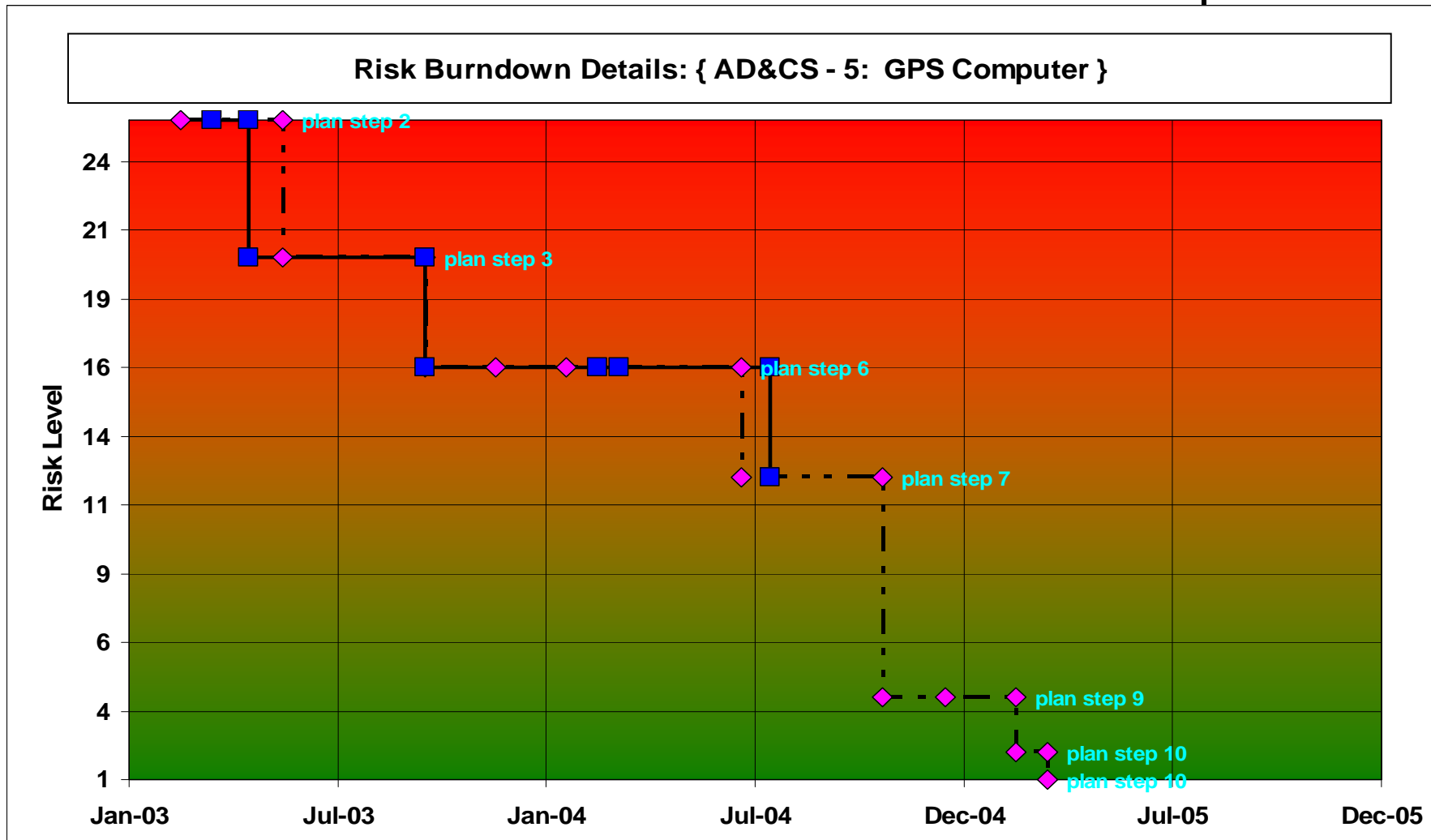
- The Summary Plot Provides Mitigation Plan Performance Information
 - Risk Rank, ID and Description
 - Mitigation Plan Status
 - Red = Trouble
 - Yellow = Watch
 - Green = On Track
- Graphical Representation of Each Risk Plan Milestones and Accomplishment
 - Incomplete Milestones Marked with a Diamond
 - Color Represents Risk Level at the Completion of that Milestone
 - Red (High), Yellow (Medium) or Green (Low)
 - Completed Milestones Marked with a Diamond Surrounded by a Blue Square
 - Diamond Color Represents Risk Level at the Completion of that Milestone

Detailed Risk Plot



- Individual Risks Can Be Analyzed in More Detail via the Detail Plot Feature
- Single Risk Presented on a chart
 - Risk Burndown Format
 - Mitigation Steps Identified
 - Full Schedule or 18 month schedule view

Risk Detail Plot Example



Input Requirements and Capabilities



- Risk Plotter reads a user provided Excel input file containing the Risk Information
 - Typically stripped out of the Program Master Schedule or equivalent
 - Risk ID, Name, Probability, Consequence
 - Mitigation Steps, Schedule & Completed Milestone Information
- Manual or Automated Risk Ranking Supported
 - Probability and Consequence can range from 1-5 or 1-10
 - Top Ten” Risk List Also Generated
- Risks Can Be Organized by Systems, Groups, Elements, etc.
 - Multiple Levels of Nested Risks Also Supported

Risk Plotter[©] Outputs



- All Summary Plots Generated in MS Excel[™] Can Be Instantly Converted into PowerPoint[™] Charts at the Click of a Button
 - The User can Define what Template to use for the Chart Package
- Interaction with any risk via the Detail Plot can be conducted from within Excel[™]

Who Uses Risk Plotter©



- Risk Plotter© is currently in use in both the Government and Industry
 - Government – NRO, NGA
 - Industry – Lockheed Martin Corp.

Risk Plotter Software/OS Requirements



- MS Excel™ and PowerPoint™ Required
- Built and Tested on Windows 2000™ and XP™ Operating Systems
- Macintosh OS Not Tested



- DEMO

Risk Plotter License



- Risk Plotter Available to Non-Govt Entities via a License Fee
 - \$5000 per copy – one copy per seat
 - Reduced costs per seat for group buys (10+ copies)
 - “Floating” licenses can also be supported
- Technical Support
 - Technical Support is not included in License Fee
 - Technical Support provided via O&M Support Contract
- User Requested Enhancements Can Be Accommodated
 - Program/Company Specific Development Support Is Available