Case Study Overview – Advisory Support

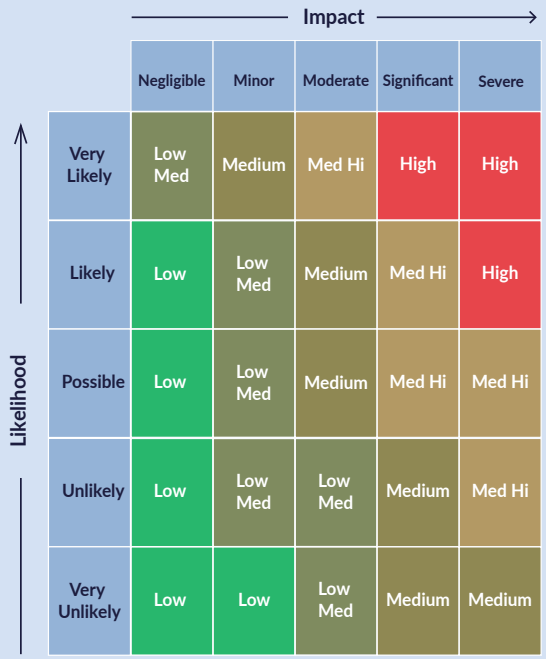
Context: Projcon Group were approached to conduct a quantitative schedule risk assessment on a major programme for a client that specialises in manufacturing transportation equipment. The QSRA was to be conducted on a part of the overall schedule leading to successful testing of the product and was requested by the client's customer.

Specific tasks: review the project risk register and project schedule ported to P6, generate a risk assured schedule (RAS) from the project critical path and map relevant risks to the RAS to conduct a QSRA.

Our contribution: on the review of the project risk register it was found to need a complete overhaul including conducting workshops to enhance understanding of risk management and to generate new three-point estimated risks. In addition, the project schedule required further work to satisfy industry standard quality checks prior to generating and agreeing the project critical path. A RAS schedule was agreed that modeled the critical path with float to capture near critical path risk impacts for the QSRA analysis. Risks were mapped and agreed to the RAS and the QSRA analysis completed with recommendations for refinement of input data to improve the analysis results. From the analysis, we were able to highlight areas for improvement in the clients project control systems, processes, and knowledge.

Outcome: through our engagement we improved the project's understanding of risk management and assessment, developed a new risk register with three-point estimated risks at an appropriate level of detail (risk meta-language) to guide and direct mitigation action. Through several risk workshops we were able to improve risk understanding within the business, the project and establish a baseline for improved risk management. Our work on porting the project schedule to P6 and conducting a schedule quality review provided the project with a quality assured schedule and the knowledge to quality review the overall project schedule. Our work in conducting a QSRA enabled the Advisory Services Team to demonstrate first-hand how project controls should be integrated through the project team and form the basis of information for project reporting purposes. The QSRA results were used to guide discussions with the client's customer on the potential range of completion dates.

Typical Risk Map



QSRA Guideline Example Entire Plan: Duration