

Project Risk Management Processes

INTRODUCTION

- In managing big projects it is inevitable that something will go wrong. The difference in efficient project management is addressing properly the risks and after, taking successfully the risk response actions.
- By risk identification, evaluation and control, the differences between initial cost, time and quality estimations and the real ones can be prevented or diminished.
- Increase the project success probability by aplying the risk minimization and opportuities development techniques
- For a complex project risk evaluation should be mandatory. These risks can be attributed and measured as probability of apparition, impact and consequences.

OBJECTIVES

- 1. Risk Management Plan
- 2. Analyzing the project schedule
- 3. Critical Path Analysis
- 4. Risk **Identification** Workshop (negatives and opportunities)
- 5. Developing the Risk Register Model
- 6. Analyzing risks by qualitative measures
- 7. Evaluating priority risks
- 8. Defining Risk Reponses Strategies
- 9. Quantifying Project Risk Impacts Effects
- **10.** Implementing risk management measures (Defining reserves)







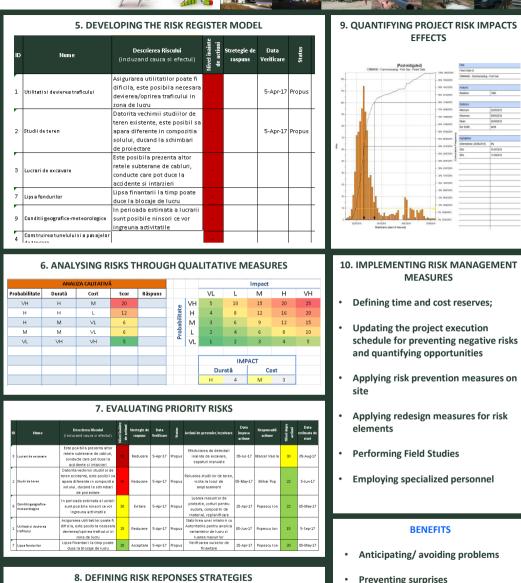
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4. RISK IDENTIFICATION WORKSHOP

TECHNICAL	ECONOMICAL	COMMERCIAL	ORGANISATION	socio-politica
Underground , static, dynamic Surface Infrastructure Technologies Maintenance Availability Sustainability Logistic HSSE	Costs Fazes Evaluation methods Model economic KPIs (NPV, IRR, EVA) Legal costs	Licenses Contracting & purchases Financing Insurance Control Legal Claims & payments	Government Management Structure Resources Competences Procedures, standards, manuals Project Control Systems, IT Interfaces Partners Local Rules	Authorities Govern Parties involved Employees Local legislation Community



Avoid

Reduce Transfer

Accept

Accept

Exploit

Develop Transfer

Negative

Opportunity

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RISC

· Improving negotiation abilities

Fulfilling contractual obligations

Reducing project delays

Reducing over budget costs