

	Case Name: Fireplaces	Sector		
	OR-AS Operations Research - Applications and Solutions www.or-as.be info@or-as.be	Baseline schedule	Schedule with resources	
			Schedule with costs	
		Risk analysis	Random Simulation	
Submitted by	Mayté & Thymo		One of nine std. scenarios	
Date	2016		User defined distributions	
File Name	C2016-53 Fireplaces	Project Control	Automatic tracking	
			Tracking based on user input	

1. Project description

Project Authenticity

The project consists of activity data that were obtained directly from the actual project owner.

2. Project properties

2.1. Baseline schedule

General	
# Activities	50
Planned Duration (PD)	51 days*
Budget at Completion (BAC)	-
Renewable Resources	-
Consumable Resources	-

Network Topology	
Serial/Paralel (SP)	30%
Activity Distribution (AD)	44%
Length of Arcs (LA)	2%
Topological Float (TF)	58%

* Standard eight-hour working days

2.2. Risk analysis

Random simulation by ProTrack was performed using the default symmetric triangular risk distribution profiles.

	Cost sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	N/A	N/A	N/A
CRI-rho	N/A	N/A	N/A
CRI-thau	N/A	N/A	N/A

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	30,1	44,8	0,9
SI	8,1	22,4	3,2
SSI	5,6	12,1	2,8
CRI-r	7,7	13,2	2,2
CRI-rho	32,8	20,3	-0,4
CRI-thau	64,9	36,6	-0,2

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	N/A	N/A	N/A
CRI-rho	N/A	N/A	N/A
CRI-thau	N/A	N/A	N/A