

	Case Name: C2013-13	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	2019	Project Control	User defined distributions	
File Name	C2013-13		Automatic tracking	
			Tracking based on user input	

1. Project description

Project Authenticity

The project consists of *activity, resource and cost* data that were obtained directly from the actual project owner.

2. Project properties

2.1. Baseline schedule

General	
# Activities	31
Planned Duration (PD)	671 days*
Budget at Completion (BAC)	€ 13.812.919,00
Renewable Resources	3
Consumable Resources	-

Network Topology	
Serial/Parallel (SP)	40%
Activity Distribution (AD)	59%
Length of Arcs (LA)	92%
Topological Float (TF)	4%

* 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	13,90	15,62	2,4
CRI-rho	13,91	14,93	2,5
CRI-thau	10,58	10,77	2,3

	Time sensitivity		
	avg (%)	std dev (%)	skew (-)
CI	38,0	44,5	0,5
SI	35,6	36,0	0,6
SSI	9,7	15,4	1,7
CRI-r	12,4	14,5	2,2
CRI-rho	12,6	14,1	2,3
CRI-thau	9,8	10,3	2,0

	Resource sensitivity		
	avg (%)	std dev (%)	skew (-)
CRI-r	0,16	0,20	3,9
CRI-rho	0,16	0,20	3,9
CRI-thau	0,16	0,20	3,9