

Figure 1.1

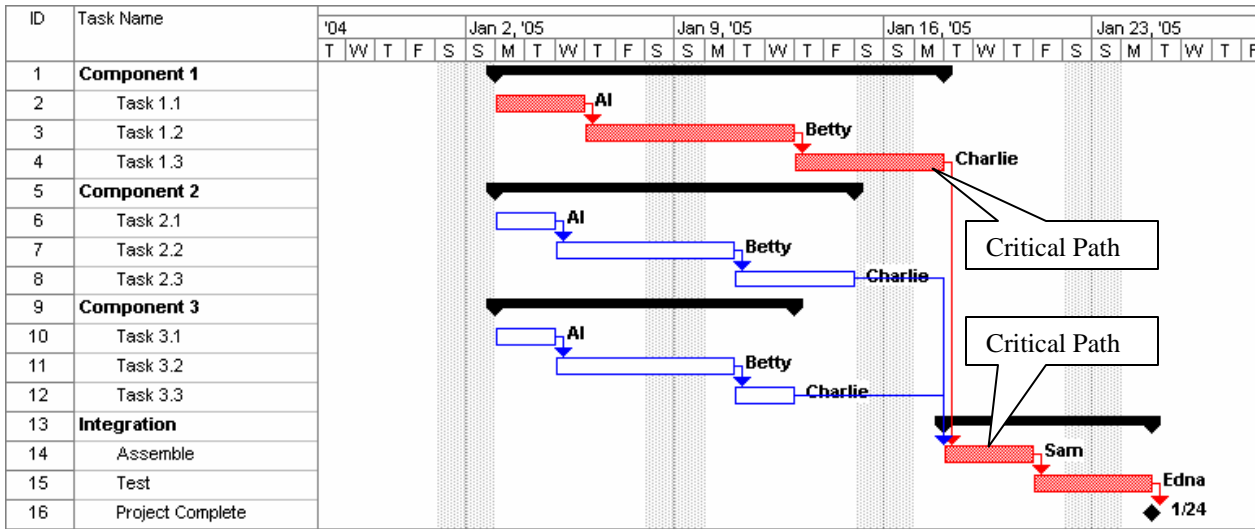


Figure 4.2

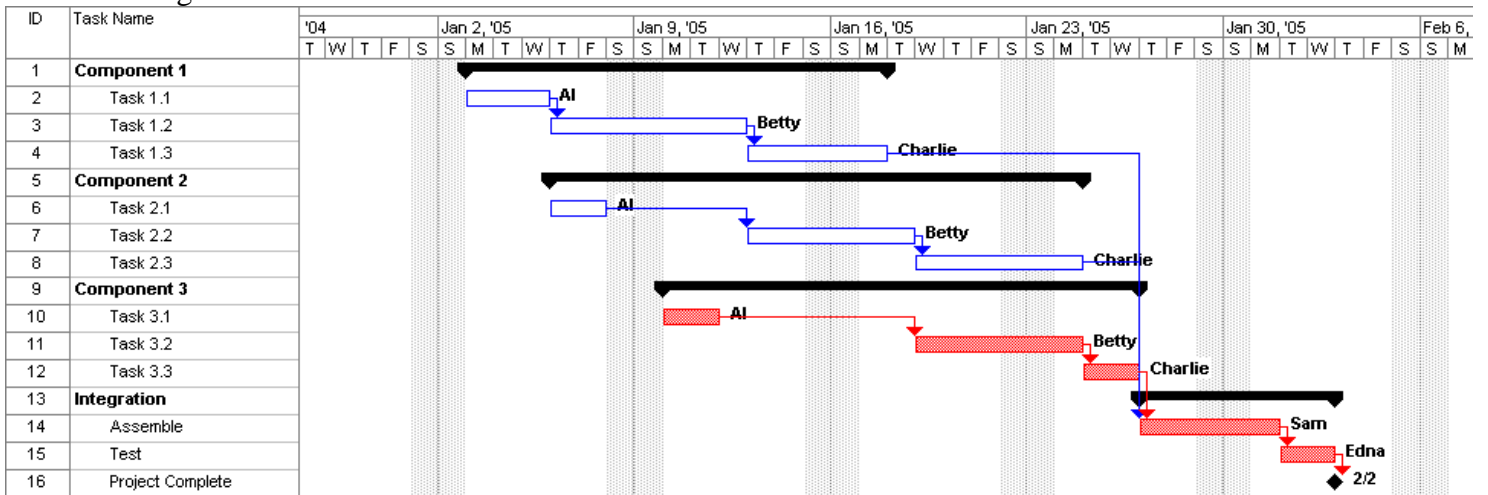


Figure 4.3

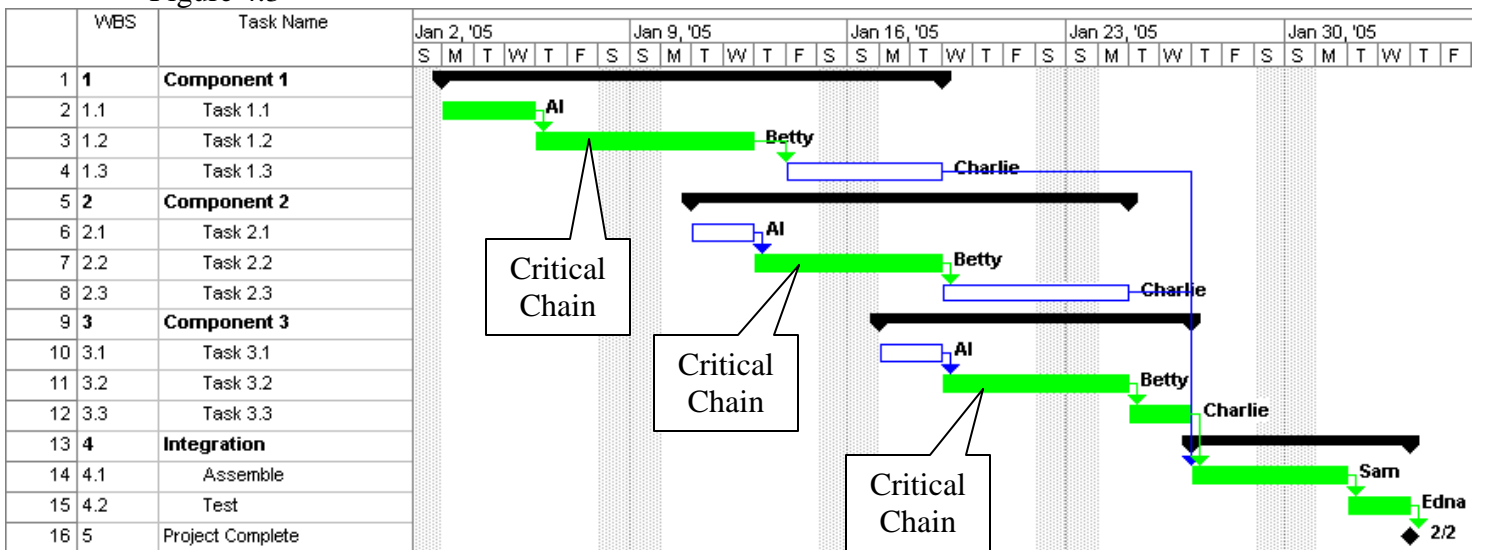
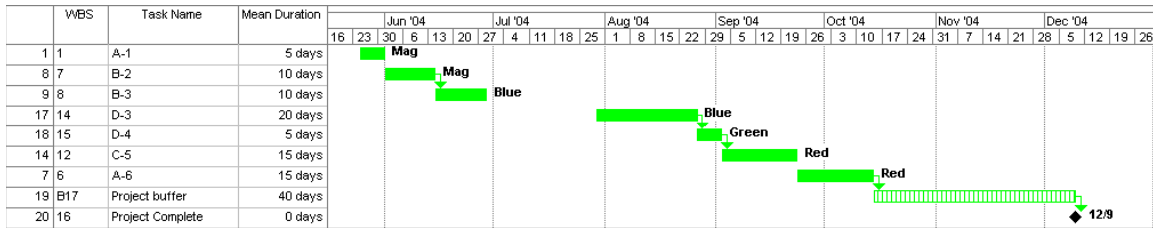
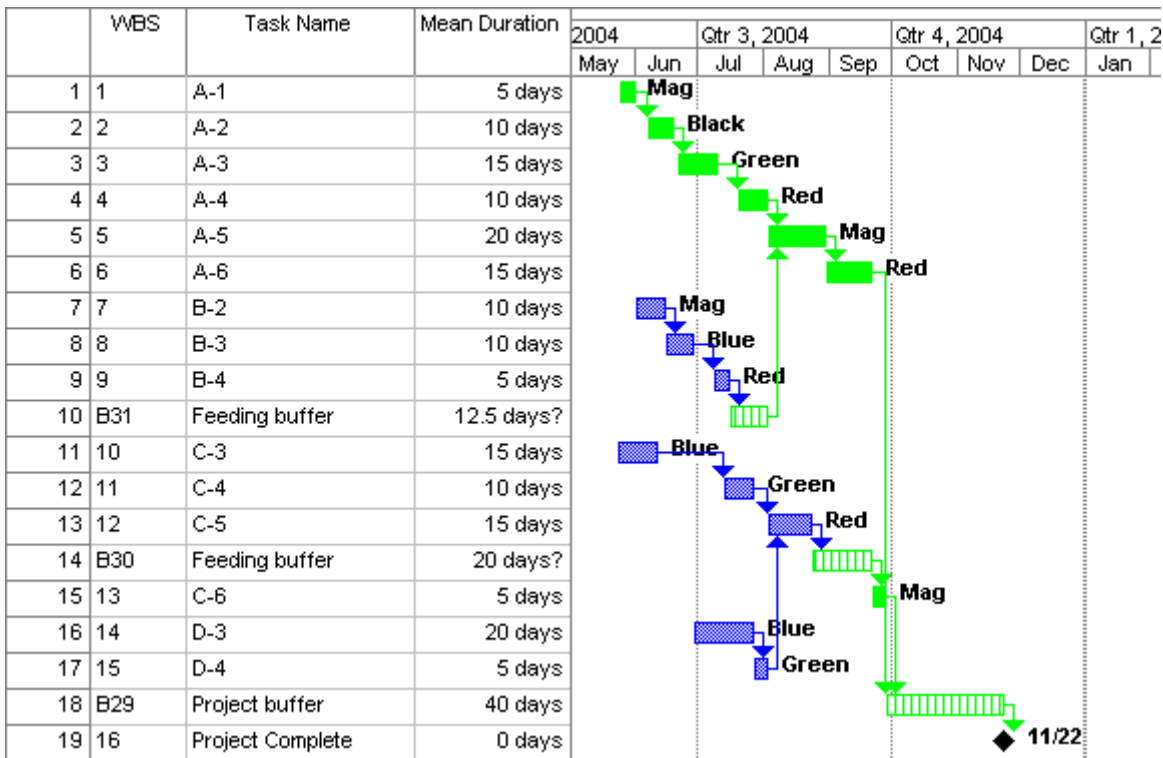


Figure 4.4

But, after buffer insertion, a significant gap formed in the critical chain:



Some optimization of the critical chain is desirable. One way of doing so is to look at the critical chain after buffer insertion, and work to remove the gaps. The following derives from an alternative critical chain selection:



A general approach is to first identify the critical path of the project, and set that as an objective duration to achieve with the critical chain plan. Actions to achieve it include:

1. Changing the resource leveling algorithm (MS Project offer three options, plus selection of the leveling time window).
2. Changing the identified critical chain (as above).
3. Changing task logic.
4. Changing resource availability (and re-leveling the network).
5. Changing resource required for tasks (and re-leveling the network.)

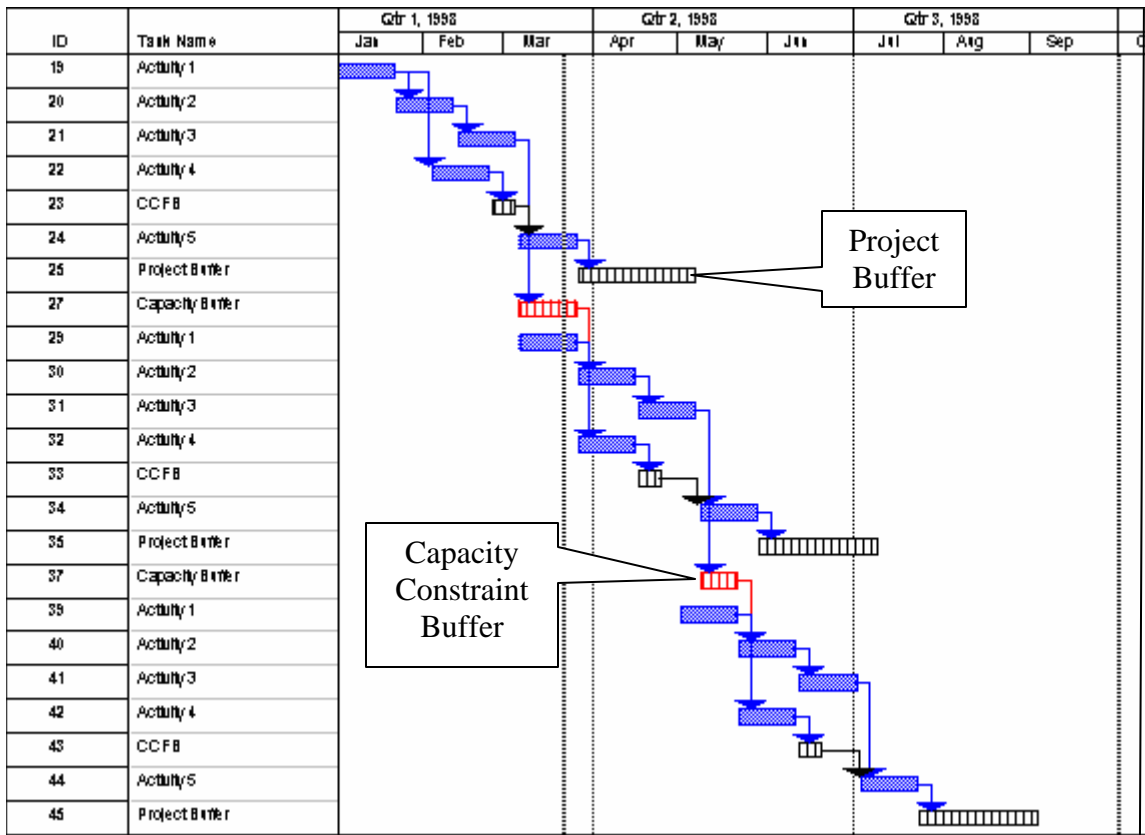


Figure 7.2

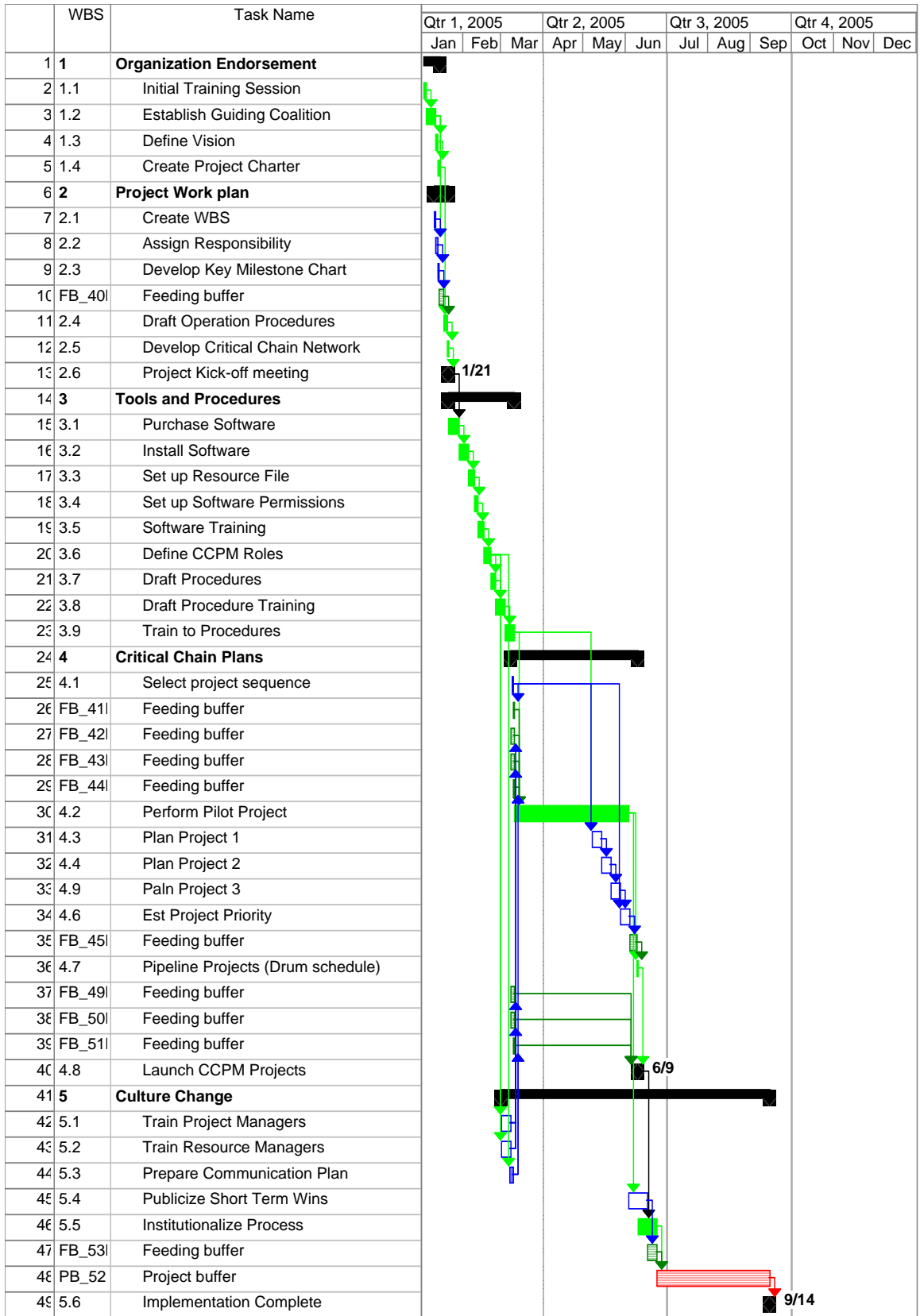


Figure 9.3

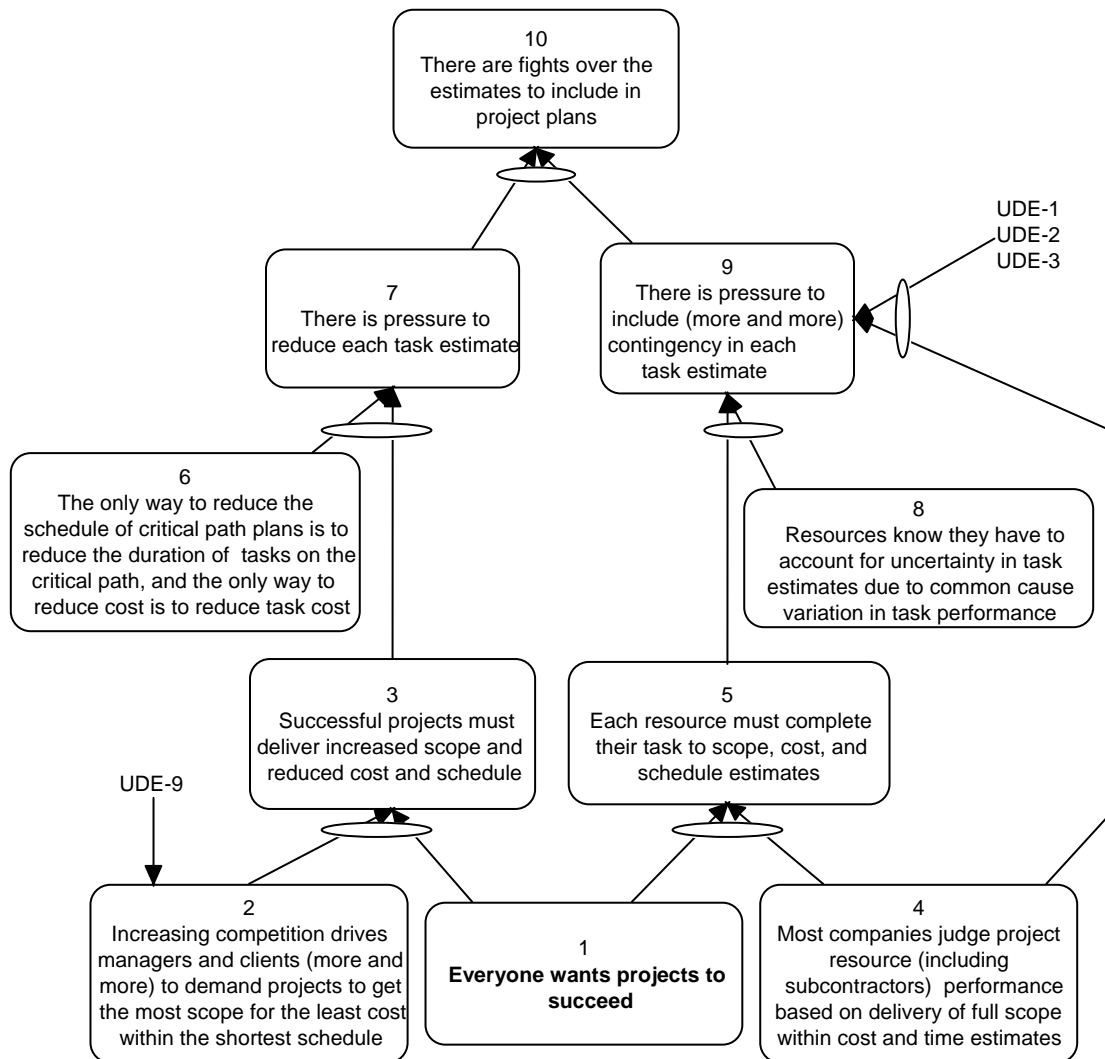


Figure 11.3

Table 1.3

Influences on Project Success Factors									
Factors That Determine Project Success	Internal					External			
	Management	Measurement	Rewards	Policies	Social	Competitors	Suppliers	Client	Regulators
Right Problem	X				X			X	0
Right Solution	X				X			X	
Effective Plan	X	X		X				0	0
Project Control System	X	X		X	X			0	0
Project Execution									
- Resource quantity	X			X		0	0		
- Resource skill	X			X			0		
- Resource behavior	X	X	X	X	X		0		
- Work processes	X			X			0	0	
- Tools	X			X			0		
- Changes	X		X	X			0	X	
Uncertainty	X		0				X	0	X

X Significant influence
0 Some influence