

Engineering Services Planning

Fire & Voice Alarm Commissioning Progress Schedule

The fire & voice alarm commissioning progress schedule provides progress performance of the mass repetitive fire & voice alarm commissioning aspects of a commissioning programme. These are the commissioning activities that recur for each zone of the fire & voice alarm system.

This schedule provides a graphical portrayal for senior management / director's review without the need for a written report, and will provide an accurate appraisal of sub-contractor performance.

The pale blue bars on page 2 indicate the periods when each activity occurs as dictated by the commissioning programme. Each pale blue bar has a percentage weighting, which is relevant to the number of times that particular activity has to be carried out during each programmed week.

When a "Progress Week Number" is inserted (into the grey cell) the programmed "Progress Week Ending" date automatically changes to represent that programme week ending date, and the cells associated with the planned performance change to red.

On the right-hand side of the schedule the "Planned %" figure of the "% Completion to Date" column will indicate what the planned percentage is in relation to the percentage weighting on that date. The weighting may not be the same for each week ending, so the "Planned %" provides an accurate appraisal of the programmed work, and not a cumulative equal division of the amount of work.

The progress values for this schedule are simply a percentage of the number of times each particular activity occurred relative to its planned week number.

When the actual progress of a particular activity has been determined its percentage complete value needs to be inputted into the schedule. If "100" is entered, that cell will change colour to green to indicate its "Completion". Any values entered up to "100" will change the cell to yellow to signify its "Ongoing" progress.

The "Actual %" will automatically calculate itself in relation to the percentage weighting to that date. If progress is entered to activities that are in advance of the "Progress Week Ending" the schedule will still function accordingly and include them in the "% Completion to Date".

Page 3 indicates the progress at "Week Number" 11. Progress values have been inserted to indicate the functionality of the schedule, which includes the "Planned" and "Actual" performance of each activity.

Comments regarding the six activities can be inserted at the bottom of the schedule and an overview of the "Global Commissioning" has been included in this particular example.

Fire & Voice Alarm Commissioning Progress Schedule

Progress Week Ending		19-Aug-05	Week Endings																																					
Progress Week Number		0	26-Aug-05	02-Sep-05	09-Sep-05	16-Sep-05	23-Sep-05	30-Sep-05	07-Oct-05	14-Oct-05	21-Oct-05	28-Oct-05	04-Nov-05	11-Nov-05	18-Nov-05	25-Nov-05	02-Dec-05	09-Dec-05	16-Dec-05	23-Dec-05	30-Dec-05	06-Jan-06	13-Jan-06	20-Jan-06	27-Jan-06	03-Feb-06	10-Feb-06	17-Feb-06	24-Feb-06	03-Mar-06	10-Mar-06	17-Mar-06	24-Mar-06	31-Mar-06						
Programmed Completion																																								
Ongoing Progress %																																								
Actual Completion																																								
Week Numbers		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	% Complete to Date						
1	Power on to FA panels																																				Planned %	0 %		
																																						Actual %	0 %	
2	Load software / Run diagnostic checks																																					Planned %	0 %	
																																							Actual %	0 %
3	Smoke test devices / Interface tests																																					Planned %	0 %	
																																							Actual %	0 %
4	DS demonstration / Sign off																																					Planned %	0 %	
																																							Actual %	0 %
5	Test voice alarms / Sound levels																																					Planned %	0 %	
																																							Actual %	0 %
6	Test FA panels on battery																																						Planned %	0 %
																																							Actual %	0 %

Global Commissioning	Week Numbers																																				
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32																		
In-house testing of Low-rise plant modes																																					
In-house testing of C&E security doors																																					
In-house testing of C&E sprinkler flow tampers																																					
In-house testing of High-rise plant modes																																					
In-house testing of C&E lift interfaces																																					
Witness global C&E to witnessing team																																					
Witness global C&E to DS																																					

Comments

- 1 Power on to FA panels
- 2 Load software / Run diagnostic checks
- 3 Smoke test devices / Interface tests
- 4 DS demonstration / Sign off
- 5 Test voice alarms / Sound levels
- 6 Test FA panels on battery

Fire & Voice Alarm Commissioning Progress Schedule

Progress Week Ending	04-Nov-05	Week Endings																																	
Progress Week Number	11	26-Aug-05	02-Sep-05	09-Sep-05	16-Sep-05	23-Sep-05	30-Sep-05	07-Oct-05	14-Oct-05	21-Oct-05	28-Oct-05	04-Nov-05	11-Nov-05	18-Nov-05	25-Nov-05	02-Dec-05	09-Dec-05	16-Dec-05	23-Dec-05	30-Dec-05	06-Jan-06	13-Jan-06	20-Jan-06	27-Jan-06	03-Feb-06	10-Feb-06	17-Feb-06	24-Feb-06	03-Mar-06	10-Mar-06	17-Mar-06	24-Mar-06	31-Mar-06		
Programmed Completion	100%																																		
Ongoing Progress %	100%																																		
Actual Completion	100%																																		

Week Numbers		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	% Complete to Date		
1	Power on to FA panels		100	100		100		50				50					50	25																	Planned %	50 %
																																			Actual %	50 %
2	Load software / Run diagnostic checks		100	100			100	50				50						50																	Planned %	44.5 %
																																			Actual %	48.1 %
3	Smoke test devices / Interface tests		100	100	100	100	75				50																								Planned %	44.3 %
																																			Actual %	28.4 %
4	DS demonstration / Sign off					75	50					20																							Planned %	33.4 %
																																			Actual %	16.3 %
5	Test voice alarms / Sound levels					75	30					12																							Planned %	40 %
																																			Actual %	11.7 %
6	Test FA panels on battery					50	25					20																							Planned %	40 %
																																			Actual %	9.5 %

Global Commissioning	Week Numbers																																	
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32															
<i>In-house testing of Low-rise plant modes</i>																																		
<i>In-house testing of C&E security doors</i>																																		
<i>In-house testing of C&E sprinkler flow tampers</i>																																		
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<i>In-house testing of C&E lift interfaces</i>																																		
<i>Witness global C&E to witnessing team</i>																																		
<i>Witness global C&E to DS</i>																																		

Comments

- 1 Power on to FA panels Now on programme
- 2 Load software / Run diagnostic checks Ahead of programme
- 3 Smoke test devices / Interface tests Additional resources due on site 7th Nov 05
- 4 DS demonstration / Sign off Anticipated to be back on programme prior to global commissioning commencement
- 5 Test voice alarms / Sound levels Anticipated to be back on programme prior to global commissioning commencement
- 6 Test FA panels on battery Dependant on completion of the above items