

# Engineering Services Planning

## Ventilation Commissioning Progress Schedule

The ventilation commissioning progress schedule provides progress performance of the mass repetitive ventilation commissioning aspects of a commissioning programme. These are the commissioning activities that recur for each ventilation 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" 7. 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.

### Ventilation 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	% Complete to Date	
Programmed Completion																																			Planned %	Actual %
Ongoing Progress %																																			Planned %	Actual %
Actual Completion																																			Planned %	Actual %
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			
1	<i>Power on / Live test cables</i>																																	Planned %	0 %	
																																		Actual %	0 %	
2	<i>Commission ACI controls</i>																																	Planned %	0 %	
																																		Actual %	0 %	
3	<i>Pre-commission BMS</i>																																	Planned %	0 %	
																																		Actual %	0 %	
4	<i>Test total volumes</i>																																	Planned %	0 %	
																																		Actual %	0 %	
5	<i>Balancing</i>																																	Planned %	0 %	
																																		Actual %	0 %	
6	<i>Smoke test mode</i>																																	Planned %	0 %	
																																		Actual %	0 %	

**Comments**

- 1 Power on / Live test cables
- 2 Commission ACI controls
- 3 Pre-commission BMS
- 4 Test total volumes
- 5 Balancing
- 6 Smoke test mode

### Ventilation Commissioning Progress Schedule

<b>Progress Week Ending</b>	<b>07-Oct-05</b>	<b>Week Endings</b>																															
<b>Progress Week Number</b>	<b>7</b>	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
<b>Programmed Completion</b>																																	
<b>Ongoing Progress %</b>																																	
<b>Actual Completion</b>																																	

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	<b>Power on / Live test cables</b>	100	74	90	60																															Planned %	100 %		
																																					Actual %	78.7 %	
2	<b>Commission ACI controls</b>	100	80	80	100	100	25	90																												Planned %	90.5 %		
																																					Actual %	72.3 %	
3	<b>Pre-commission BMS</b>		20		33																															Planned %	78.2 %		
																																					Actual %	8.8 %	
4	<b>Test total volumes</b>	100	100	83	67	50	100																													Planned %	74 %		
																																					Actual %	53.5 %	
5	<b>Balancing</b>			100	100	100	50																														Planned %	27 %	
																																					Actual %	18 %	
6	<b>Smoke test mode</b>		100	100	100																																Planned %	79 %	
																																						Actual %	68 %

**Comments**

- 1 Power on / Live test cables      Awaiting power-on requests from contractors
- 2 Commission ACI controls      Progress picking up - following late ductwork pre-commissioning
- 3 Pre-commission BMS      Not proceeding with the ACI commissioning is now 7-weeks behind programme,
- 4 Test total volumes      Ongoing as systems become available
- 5 Balancing      Ongoing as systems become available
- 6 Smoke test mode      Ongoing as systems become available