

# Engineering Services Planning

## Electrical Riser Progress Schedule

The Electrical Riser Progress Schedule tracks the progress performance of the electrical risers over a given timescale. This has the facility to be updated on a weekly basis (longer if necessary) and will indicate the: -

- Planned Completion
- Ongoing Progress %
- 100% Completion
- Variance against Contract Programme
- Variance against Current Programme

This is broken down into the individual riser installation aspects Bracketry, Busbars etc. on a floor by floor basis. These individual aspects are weighted to indicate the disparity of the installation process.

This schedule can stand alone, or provide progress information for summary bars of a main construction programme.

Page 2 of the Electrical Riser Progress Schedule example indicates the status of the risers at week 0 prior to any work commencement.

Page 3 of the Electrical Riser Progress Schedule example highlights the performance status of the risers at week 4, and indicates the functionality of the progress schedule with call-out boxes.

This particular schedule has two commencement dates that it records variance against. The first date is the "Contract Programme" date. The second date is the "Current Programme Date" (this feature allows the riser performance to be measured against actual commencement as well as the contract commencement, for concurrency issues).

The "Current Programme Date" is set by the "Week No. Prog Start". When a week number is entered into this box the "Current Programme Date" changes accordingly and the planned installation sequence for that particular riser will commence from that date. The variance against this date will be recorded from the "Actual Start Date".

For example Riser 1 was released on the 21<sup>st</sup> Feb 05 and commenced on the 21<sup>st</sup> Feb 05 (Programme Week No. 1). So there is no variance to the "Current Programme", but a minus 11-week variance to the "Contract Programme's" 6th December 04 release date.

But despite the later handover the "Actual Completion" of this particular riser is currently only 17%, whereby its "Planned Completion" is 35%.

<b>Progress Week Ending Date</b>	<b>18-Feb-05</b>	<b>Programme Week No.</b>	<b>0</b>
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Planned Completion =	<span style="background-color: red; color: white;">XX</span>	ahead of programme =	XX (no infill)
Ongoing Progress % =	<span style="background-color: orange;">XX</span>	ahead of programme =	100 (no infill)
100% Completion =	<span style="background-color: green; color: white;">100</span>		

Riser 1	Actual Release Date	Actual Start Date		Week No. Prog Start	1	Planned % Completion	0.00	Actual % Completion	0.00	Programme Release Dates Comparison	
	Bracketry	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 1	Contract Programme	Variance (weeks)	
Level 5									Level 5	06-Dec-04	-11
Level 4									Level 4		
Level 3									Level 3		
Level 2									Level 2		
Level 1									Level 1	21-Feb-05	0
Level G									Level G		
Comments										Starts the installation sequence	

Riser 2	Actual Release Date	07-Feb-05	Actual Start Date		Week No. Prog Start	3	Planned % Completion	0.00	Actual % Completion	0.00	Programme Release Dates Comparison	
	Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 2	Contract Programme	Variance (weeks)	
Level 5									Level 5	06-Dec-04	-9	
Level 4									Level 4			
Level 3									Level 3			
Level 2									Level 2			
Level 1									Level 1			
Level G									Level G	07-Mar-05	0	
Comments												

Riser 3	Actual Release Date	Actual Start Date		Week No. Prog Start	4	Planned % Completion	0.00	Actual % Completion	0.00	Programme Release Dates Comparison	
	Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 3	Contract Programme	Variance (weeks)
Level 5									Level 5	17-Jan-05	-5
Level 4									Level 4		
Level 3									Level 3		
Level 2									Level 2		
Level 1									Level 1		
Level G									Level G	14-Mar-05	0
Comments											

Riser 4	Actual Release Date	Actual Start Date		Week No. Prog Start	5	Planned % Completion	0.00	Actual % Completion	0.00	Programme Release Dates Comparison	
	Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 4	Contract Programme	Variance (weeks)
Level 5									Level 5	31-Jan-05	-3
Level 4									Level 4		
Level 3									Level 3		
Level 2									Level 2		
Level 1									Level 1		
Level G									Level G	21-Mar-05	0
Comments											

Prog Week No. 4 is W/E 18th March 2005  
 18-Mar-05 Programme Week No. 4

Planned Completion = XX  
 Ongoing Progress % = XX ahead of programme = XX (no infill)  
 100% Completion = 100 ahead of programme = 100 (no infill)

Riser 1		Actual Release Date	21-Feb-05	Actual Start Date	21-Feb-05	Week No. Prog Start	1	Planned % Completion	35.00	Actual % Completion	17.00	Programme Release Dates Comparison	
		Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 1		Contract Programme	Variance (weeks)
Level 5												06-Dec-04	-11
Level 4	50											Current Programme	Variance (weeks)
Level 3	100										21-Feb-05		
Level 2	100												
Level 1	100		60		50								
Level G	100		80		50								
Comments												No variance because the work commenced on the "Current Programme" date	

Riser 2		Actual Release Date	07-Feb-05	Actual Start Date		Week No. Prog Start	3	Planned % Completion	15.00	Actual % Completion	0.00	Programme Release Dates Comparison	
		Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 2		Contract Programme	Variance (weeks)
Level 5												06-Dec-04	-9
Level 4												Current Programme	Variance (weeks)
Level 3											07-Mar-05		
Level 2													
Level 1													
Level G													
Comments												Variance because the work had not commenced on the "Current Programme" date	

Riser 3		Actual Release Date	07-Mar-05	Actual Start Date	07-Mar-05	Week No. Prog Start	4	Planned % Completion	6.00	Actual % Completion	7.00	Programme Release Dates Comparison	
		Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 3		Contract Programme	Variance (weeks)
Level 5												17-Jan-05	-7
Level 4												Current Programme	Variance (weeks)
Level 3											14-Mar-05		
Level 2													
Level 1	75		50										
Level G	100		100										
Comments												This work commenced prior to its programmed sequence	

Riser 4		Actual Release Date	07-Mar-05	Actual Start Date	07-Mar-05	Week No. Prog Start	5	Planned % Completion	0.00	Actual % Completion	7.60	Programme Release Dates Comparison	
		Bracketry	Busbar End Feed Boxes	Busbars	Distribution Boards	Containment	Tap-offs / Main Cable Links	Earthing	Terminate Distribution Boards	Riser 4		Contract Programme	Variance (weeks)
Level 5												31-Jan-05	-5
Level 4	40											Current Programme	Variance (weeks)
Level 3	60										21-Mar-05		
Level 2	80												
Level 1	100												
Level G	100												
Comments													