Dynamic v Static Delay Analysis (establishing the as-built CP and sub critical as-built CP's via a calculated method that removes any impressionistic or human element) – thereby removing delay analysis arguments.

"I think the best way to go is to automate it through VBA or C#, I do this on Dynamic and Static analysis. Basically, the Static analysis (via productivity % complete (as-built v as-planned)) ignores relationships and tells where the actual delay was critical per any DD line. It generally serves to proves that the dynamic updates were in fact wrong (not revised to reflect changes of planned intent). From there the as-built and sub-critical paths are determined. With the dynamic updates dispensed with (not always), the factual static analysis is generally more believable and most appropriate to base ones analysis upon.

I am working on code now to take this direct from MS SQL, Oracle XE or SQL-Lite getting the data from the P6 database. I then do both a dynamic analysis and a static analysis and compare and contrast producing float maps for both as well as heat maps. I then determine the as-built CP. The method can just as easily be performed in Windows, it does not require the entire project to be complete, so it could easily be a means of establishing which activities are actually critical from those which are not on updated progressed programmes that have not been properly revised.

It is hoped the entire calculation can be done via computer code (I am nearly there, the extraction from SQL is the problem at the moment), hopefully it will lead to there being less arguments as regards what is and what is not critical and it will be quick. If the as-built CP is established and can be agreed by both parties then the analyst can concentrate on cause, which brings me onto computer code for data extraction."

To emphasise certain points, and to argue against or for concurrency, I see modelled as-built logic and impacting as being beneficial to establish and separate causation upon the established as-built CP or sub-critical as-built CP's.

It will of course have its issues and there will be places where it will be open to attack. However, no analysis is absolute, in my view. However, if a de-facto method of determining the as-built CP and sub-as-built CP's can be accepted by all, then games and chicanery and dark arts can be left to the demonstration of causation. The as-built CP will be what it is.