

PSCS

Plotnick Schedule Control System

A Melding of Proper CPM Software
from the 1960s with the 21st century
to support earliest project completion

Plotnick Schedule Control System

- What is the purpose of Scheduling Software?
- What was algorithm of Kelly & Walker 1956?
- What was algorithm of PERT 1958?
- What was human calculation of Fondahl 1959?
- How did MSCS support ADM and PDM?
- MSCS / downgrade to Promac90 / Primavera P3 MS-DOS
- P3 Windows / downgrade to P3e/c = P6 / MSPProject
- OpenPlan / Asta / PertMaster / Spider / Phoenix
- What are desired parameters of PSCS?

Plotnick Schedule Control System

- What is a Proper Algorithm? 1956 1958 2008 2020+
- PointInTime-to-PointInTime ADM PERT RDM notPDM
- Importance of the Point-In-Time for Mathematics
- Implied in PDM by Time or Volume
- MSCS Six (not Four) Primary Restraints $c s B F E (z, w)$
- Start = Progress-to-Start v Begin (SS#)
- Finish = Remainder-to-Finish v End (FF#)
- Retained Logic v Progress Override v 3rd Way

Plotnick Schedule Control System

What is a Proper Algorithm?

- Activity = PointInTime-to-PointInTime i to j
- Restraint = PointInTime-to-PointInTime j to i
- Lag_{VOL} = PointInTime-to-PointInTime i to k , k to i_{suc} , k to k_{suc}
- Lag_{TIME} = PointInTime-to-PointInTime i to i_{suc} , j to j_{suc} \approx **P6**
- J Restraint = Just-in-Time to support ES of superior path
- P Restraint and R_{Reason/Why} Restraint
- S Restraint and L Restraint

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Implementation in Primavera PERTMaster 8.2-.6

- Aaa
- ... to be continued ...