

**PM History** 

# **Earned Value Management – Early Computers**

# Place Holder – Full paper will be uploaded after publication

## Introduction

The use of mainframe computers in the 1960s was integral to the development of critical path scheduling and Earned Value Management. This paper will look at some of the earliest developments.

Extracts from various manuals are copied below as a starting point (but there's a lot of research to do).

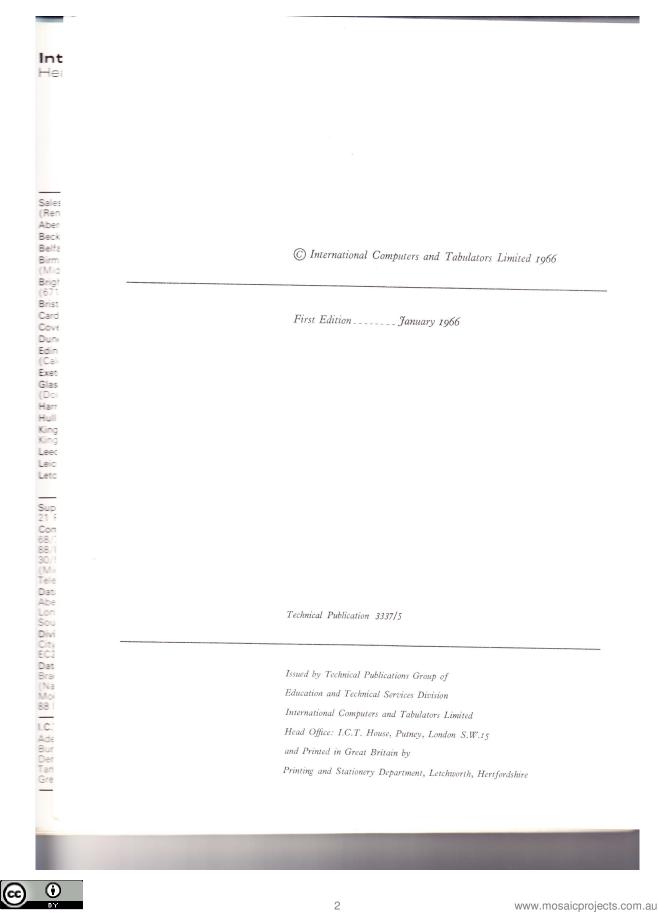


The full paper is on its way.



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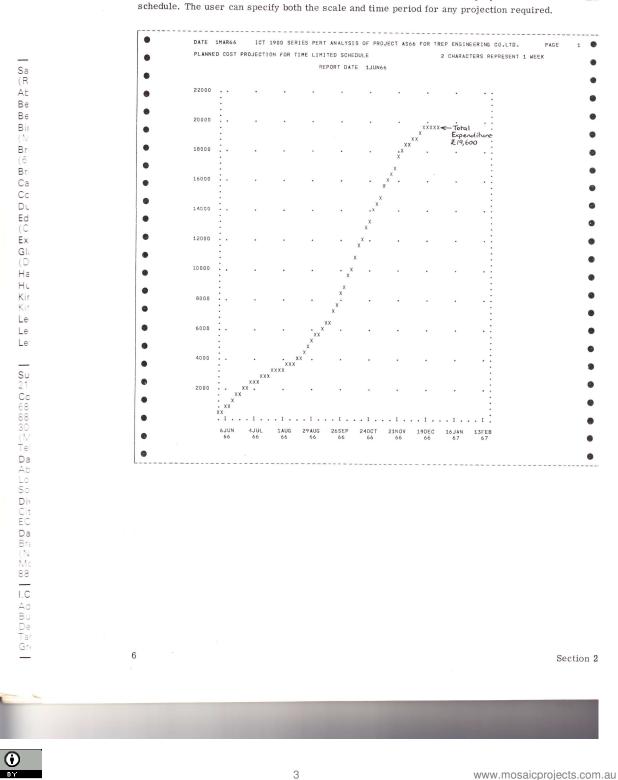
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#### COST ANALYSIS

Various types of Cost Output Summaries are available and these can be related to any of the schedul obtainable for Time and Resource analyses. The outputs are available in both numeric and graphic form at the user's discretion. The printout below shows the planned cost projection for the Time Lin schedule.

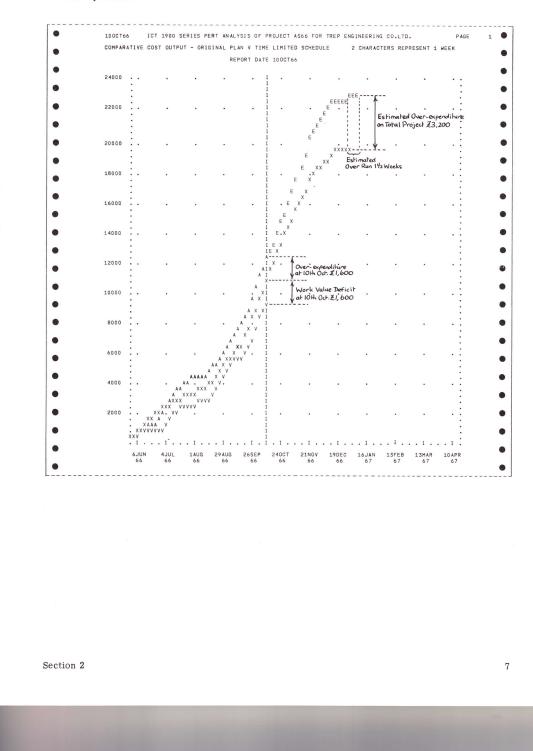
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The following diagram shows the cost projection of the specimen project as at the 10th October 1966. The actual costs incurred as well as the value of work performed can be compared with the planned cost. Based upon performance to date the projection has been extended to show the revised estimate of total expenditure.



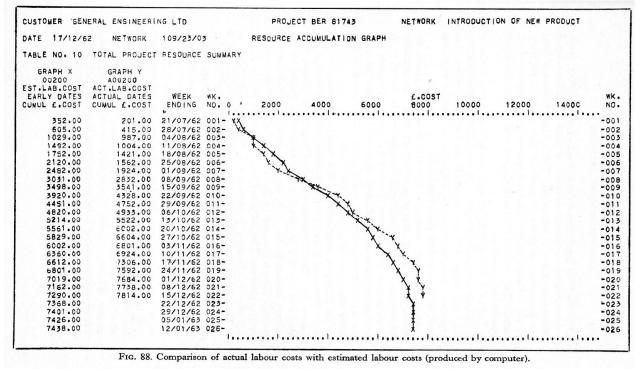
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ICL 1500 PERT 1962

This is from Sam Woodgate's book, showing the fact that ICT1300 PERT also ran Cost Control, we did a lot of scenarios for Earned value analysis as it was known using the 1300 for the new 1900 PERT as it had then a better resource scheduling algorithm than I had in ICT1500 PERT

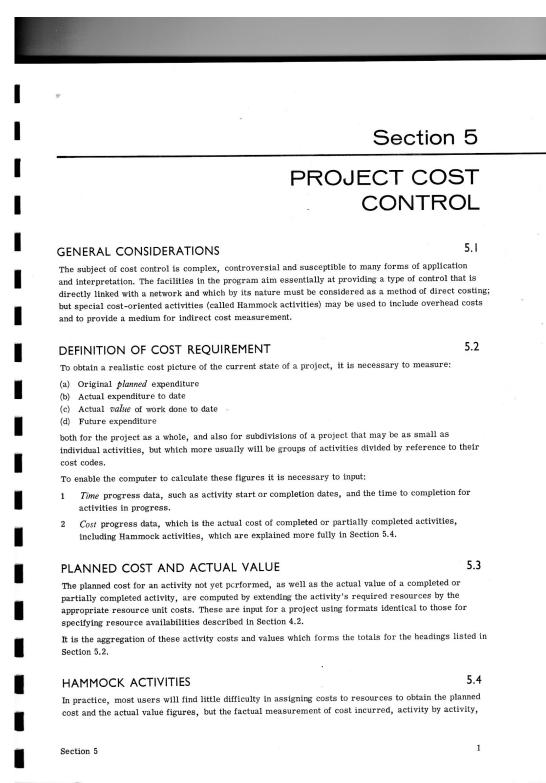
H Sam Woodgate was drafting his book "Planning by Network" which he started back in late 1961 and printed first edition in April 1964

I with two other basically wrote the book under his direction, we drew all the diagrams and we indicated PERT /COST USAF etc, as ICT was heavily involved in the UK Government's direction for project Management, Cost Controls and Scheduling

The terms shown in the first print draft of 1900 PERT Manual back in mid-1963 was the culmination of a whole plethora of meetings from 1961 through to end April 1963, at ORS, when ICT produced the draft from which I just scanned the page, section 5.2







#### ICL 1900 PERT 1963

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