INTEGRATED PROJECT MANAGEMENT CONTROL TECHNIQUES AND SOFTWARE DEVELOPMENT

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This paper examines current integrated Project Management Control Systems for Information and Performance Management. It then considers the major steps towards future developments.

The paper starts by identifying the project control objectives, the information required to meet these objectives and some techniques currently used.

Integrated tools for Information Management are then considered in terms of technical content and the control of project changes.

This is followed by an examination of Integrated Tools for Performance Management. Relational Databases and Computer Aided Design are briefly discussed.

Future integration and Software Developments are then considered, limitations in existing systems initially being pointed out. An ideal fully integrated and flexible solution is then proposed, consisting of the traditional project control tools combined with a Relational Database with facilities for interactive and dynamic project changes.

The paper concludes that improved computer portability allied with the increased processing power of the local workstation and greater software integration and scope will provide more effective Project Control in the future. Such technical changes will undoubtedly have a marked effect on the management style of future Engineering Project Managers.

FOOTNOTE: This paper is not available with this digest but is due to be published by the author at a later date.

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