

Guide For Shipyard Material Control

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Abstract

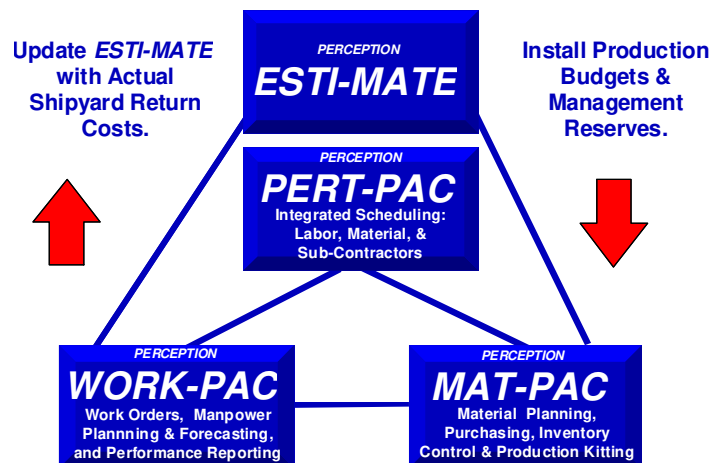
Shipyard planning and material control have three fundamental objectives:

- ❑ Ensure that all required resources (drawings, material, labor, subcontractors and facilities) are all available when the work is scheduled
- ❑ Organize the work to be the most productive possible
- ❑ Monitor progress and measure actual costs and schedules against budgets and plans

This document presents the fundamentals for planning and managing material for new ship construction and major ship conversion contracts¹. The discussion outlines a framework from which the shipyard can develop a logical, well-organized material control plan from the outset of a contract. The computerized material control system requirements and capabilities are based upon SPAR's *PERCEPTION*[®] system, of which *PERCEPTION MAT-PAC*[™] provides the majority of the purchasing and material control functions.

Good Material Control Management is always seeking ways to reduce material costs, better support production and eliminate non-value-added efforts. Reducing material handling costs should be a major priority for material control. In addition, obtaining better cooperation from vendors to deliver material that better addresses the needs of production processes can result in significant savings overall.

SPAR Associates, Inc.



The Integrated *PERCEPTION* Planning & Resource Management System

¹ Material control for ship repair projects has similar functions and procedures as for new construction, but usually with fewer opportunities for long range planning and scheduling and detailed engineering requirements.

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