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«Metrological Support of Innovative Technologies» ICMSIT-2020

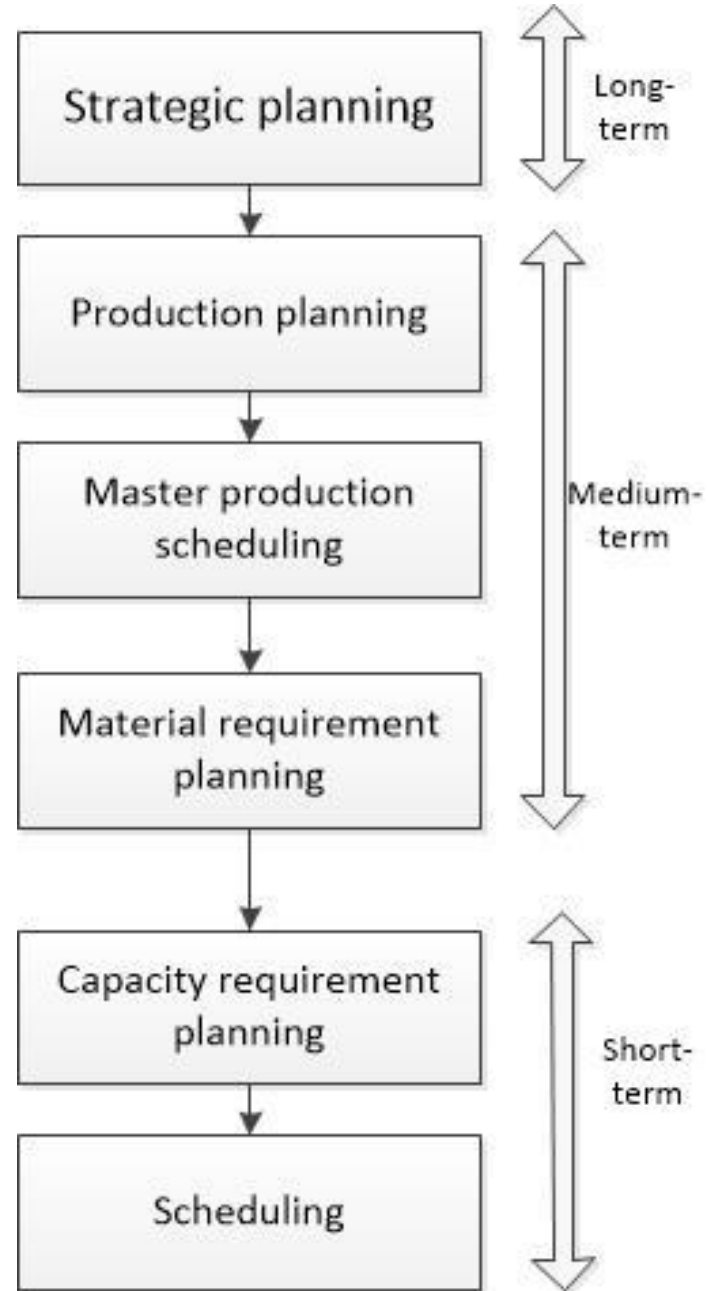
«Analysis and improvement of production planning within small-batch
make-to-order production

»
D V Kapulin and P A Russkikh

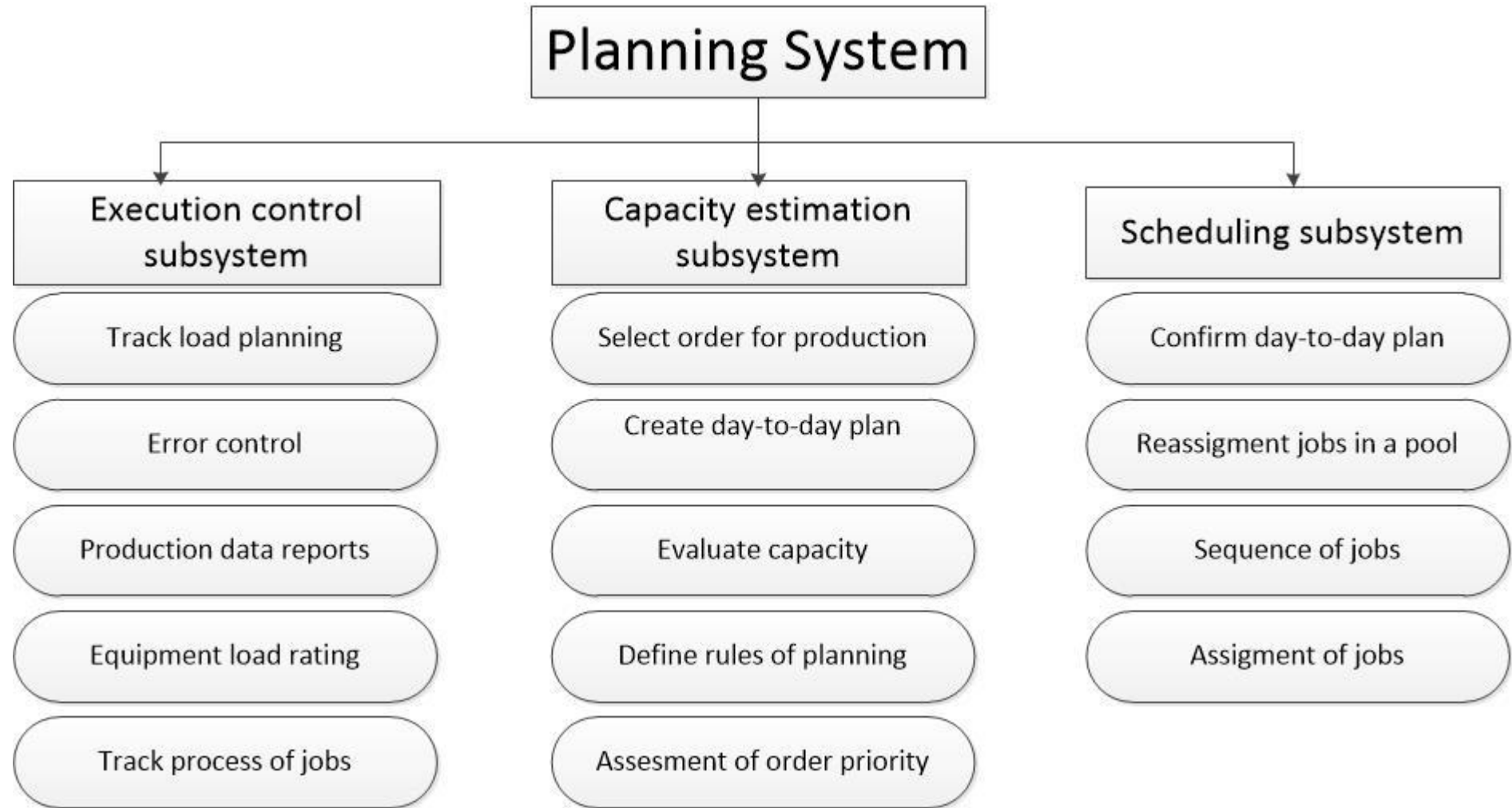


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Production planning levels and strategies



Framework of planning & scheduling system



Conclusions

The paper discuss the current definitions of planning and scheduling systems based on literature sources. We contribute by providing an assessment of the applicability of planning tools to the MTO sector. There is a significant gap between the requirements of MTO companies and the functionality of common planning tools. It is proposed a concept of framework to coordinate decisions and operations across production stages. Direction for the extension of this research could be to optimize production plans and schedules as well as to ensure that they are executed and real-time controlled according to the dynamic changes and operational constraints. It can also explore method for generating alternative versions of plans and schedules.

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