

THE ROAD TO OPTIMUM SPARE DIMENSIONING

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Abstract

The Contracting Logistic Support (CLS) is considered one of the most critical elements of a system proactive support program after fielding. The logistician shall decipher the best CLS approach that best supports the mission profile of the system while addressing the cost effectiveness. The spare part dimensioning, as one of the CLS elements, shall be modelling as a driver-cost. An optimum spare dimensioning shall take into account some engineering data as: Parts list, Repair parts and special tools list, Authorized storage list, Recommended transport condition list, Administrative time to replenishment, Levels of maintenance, Technician maintenance level of competences, Obsolescence phenomena, etc.