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IMS Sustainment - Logistics Support Analysis (LSA) - How Theory Improves Reality

The International Monitoring System (IMS) is to consist of 321 monitoring facilities, composed of four different technologies with a variety of designs and equipment types, deployed in a range of environments around the globe. Despite this, the network is expected to reach extremely high levels of data availability which could induce unbearable Logistics Support costs. The IMS is now already performing Logistics Support Analysis (LSA) enabling us to: identify the most efficient improvements to our Integrated Logistics Support (ILS) strategy, optimize sparing as early as the design phase of new stations or major upgrades, and explore alternative designs or maintenance policies. Initial results have already been obtained and have proven the benefit of such analysis. The results of such simulations will be instrumental in validating the Integrated Logistics Support (ILS) strategy, the Engineering Design and ultimately the overall Network effectiveness and capability.

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