



SIM

Serialized Item Management

SIM is a deterministic, total ownership cost software that provides a comprehensive modelling environment and scenario architecture that can reflect all the typical triggers of support expenditure for aeroengines where safety and airworthiness are maintained by managing component installed life and configuration. To achieve this, SIM takes account of the need to manage systems with serial numbered parts with fixed lives as well as handling specific drivers such as Foreign Object Damage, secondary damage, overhaul, opportunity modifications and upgrades, and economic Minimum Issue Lives.

SIM enables evaluation of a wide range of operating, support, environmental and reliability and maintainability conditions to predict the impacts of potential or planned changes. Understanding these cause and effect relationship provides equipment procurement and support stakeholders with the insight necessary to make informed and auditable programme and investment decisions affecting cost, performance and risk.

BENEFITS OF SIM

- Manage lifed components
- Predict the effect on whole-life cost of varied component lives in mixed configurations
- Accurately predict future maintenance and resource requirements of your fleet
- Utilize forecasting and estimating tools with the fidelity to accommodate real world complexities

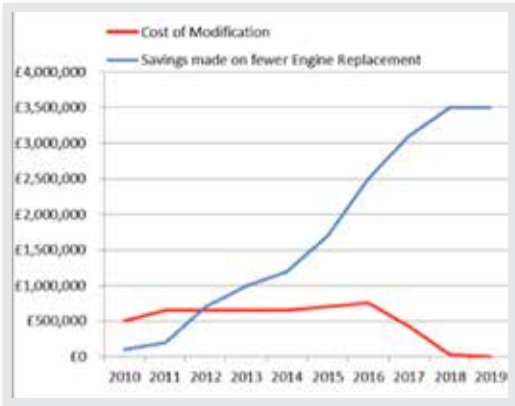
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SIM was developed specifically for the Eurofighter EJ200 engine to provide an in-service support modelling capability. The demanding needs have been met by enhancing TFD's proven MAAP whole life cost and support modelling software. Supporting modern aeroengines is highly complex as many operational, environmental and inherent design factors affect fleet performance and availability. Predicting with confidence the demand rates, resource requirements and costs to support engines and their components is difficult to achieve over the timescale needed for investment decisions.

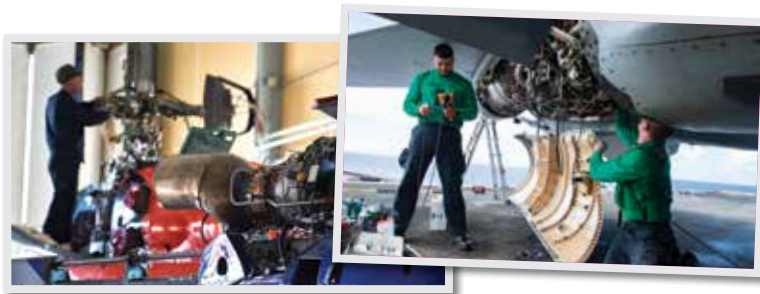


SIM is the Most Sophisticated COTS Logistics Decision Support Tool Available

Most sophisticated and complete COTS Logistics Decision Support tool available

- Through-Life Cost (TLC) Estimating and Management Planning
- Total asset visibility and the ability to handle serialized and lifed parts
- Predict future fleet conditions, including impact of modifications and upgrades
- Analysis for FOD, secondary and subsidiary damage, and Minimum Issue Lives
- Calculate and optimize resources and costs for a required operational availability (Ao)
- Support 'What If' analysis of events, support scenarios and options

SIM was developed specifically for the Eurofighter EJ200 engine to provide an in-service support modelling capability. The demanding needs have been met by enhancing TFD's proven MAAP whole life cost and support modelling software. Although SIM was designed for aero-engines, it is just as useful for any complex system where components are managed by individual serial numbers.



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