

percentage to the total life cycle cost. The LCC components represent recent historical data on the F-22, B-2, F-15E, and the F/A-18 C/D, E/F.

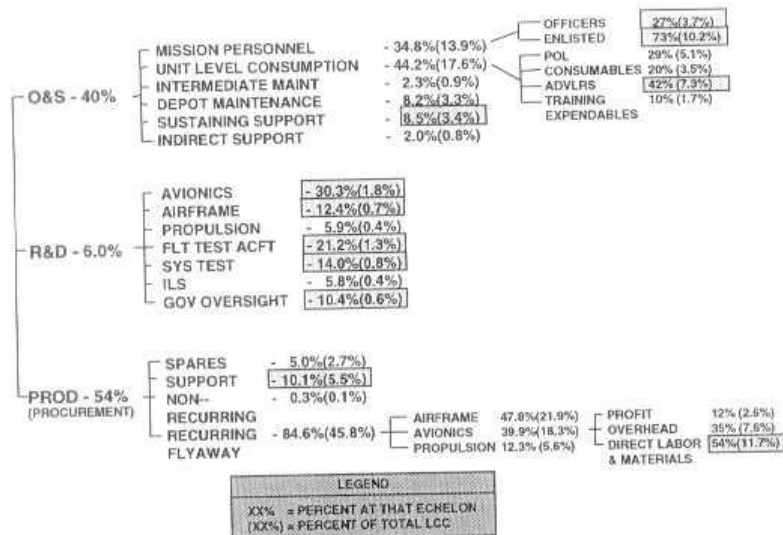


Figure 2 Historical Fighter Aircraft Life Cycle "Components"

Recent development /production programs have been characterized by low procurement quantities and rates, stealth technology and increased technical sophistication. The combination has resulted in the procurement costs representing 58% of the total weapon system LCC, with Research and Development costs rising to 15% and Operations and Support representing the remaining 27%. Armed with this information, the JSF program has targeted its scarce resources at those areas/components which are very leveraging for reducing the overall Life Cycle Cost of the weapon system and not chase those technologies which did not show a major contribution to reducing the services' cost of ownership.

TECHNOLOGY MATURATION

The JSF technology maturation process is based on identifying high-leveraging technology initiatives and associated demonstrations, which meet the following criteria:

1. The technology must clearly have the potential of reducing the cost of ownership for a future strike fighter system and be targeted at a principal life cycle element. Savings goals must be established and a credible path for documenting those savings must exist.
2. The JSF program is not in the business to develop technology but build on existing technologies. The program goal is to mature those leveraging technologies through additional demonstrations such that it may be transitioned to E&MD at low risk.
3. Commonality and modularity provides significant savings when attempting to meet all the services' needs and needs to be addressed up front in the design process. Also, today's manufacturing capabilities provide significant cost savings through cost commonality.