

# F-117 TSPR PERFORMANCE METRICS

## BACKGROUND INFORMATION

*Finalized 2/19/98*  
*Revised to incorp changes 3/26/98*  
*Corrections made 4/8/98*  
*Change made 5/11/98*  
*Change made to MICAP wording 25 Aug 98*  
*Change to WST Availability per negotiations 11 Sep 98*

### **TOTAL NON MISSION CAPABLE SUPPLY (TNMCS)**

Non-Mission Capable Supply (NMCS) rate will be calculated monthly to establish a 12-month moving average. This metric is based upon the percentage of aircraft not mission capable due to supply. Non-Mission Capable Supply (NMCS) is additive to Non-Mission Capable Both (NMCB) to compute the TNMCS.

#### Scoring:

NMCS rates at or below 5.0% will receive a score of 10. From 5.1% to 5.5% = 9, from 5.6% to 6.0% = 8 etc. All fractions will be rounded up to the nearest tenth. NMCS rates 9.6% or greater will receive a score of 0.

#### Premises:

1. This metric pertains to LMSW-supplied items only and excludes the following:
  - NSN Items
  - Local Fabricated Items (SMR code MXX)
  - Local Assembled Items (SMR code AXX)
  - Local Purchased Items

#### Conditions:

1. HAFB will calculate the supply rate (S-Rate) monthly and provide to LMSW Support Center and SPO by the 15th of each month.
2. LMSW can request relief on specific items due to maintenance-induced failures of low stockage items (i.e.: damaged noses, wings, etc.) Contracting officer will approve or deny request for relief.

### **MICAP DELIVERY**

MICAP response time will be calculated monthly to establish a 12-month moving average. This metric is based upon the time taken by LMSW to deliver parts on MICAPs to HAFB. A MICAP hour will begin upon LMSW notification of a requirement and will end upon receipt of the item in HAFB supply. Logs will be kept at LMSW and HAFB recording the time and date of the MICAP and the corresponding time/date of the part delivery.

#### Scoring:

Average response times of 72 hours or less will receive a score of 10. Average response times greater than 73 hours and up to 84 hours will receive a score of 9. Average response times between 85 and 96 hours will receive a score of 8, etc. Average response times greater than 181 hours will receive a score of 0.

#### Premises:

1. This metric pertains to LMSW supplied items only which excludes the following:
  - NSN Items
  - Local Fabricated Items (SMR code MXX)
  - Local Assembled Items (SMR code AXX)
  - Local Purchased Items
2. 72 hours applies to delivery within the continental US (CONUS) only

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### Conditions:

1. LMSW can request relief on specific items that create a disproportionate negative impact on the rate. Contracting officer will approve or deny request for relief.
2. LMSW and HAFB logs will be reconciled and reported to LMSW Supply and SPO by the 15th of each month. HAFB will have final decision on report. Monthly report will be submitted to LMSW Supply and SPO.

### RSP KIT FILL RATE

RSP Kit Fill Rates will be calculated monthly to establish a 12-month moving average. This metric is based upon the total number of pieces on hand in both A and B kits divided by the total number of pieces authorized. This rate is expressed as a percentage.

### Scoring:

Fill rates at 97% or above will receive a score of 10. From 96% to 96.9% = 9, 95% to 95.9% = 8 etc. All fractions will be rounded up to the nearest tenth. Fill rates below 86% will receive a score of 0.

### Premises:

1. This metric pertains to LMSW-supplied Recoverable Items (XD) and excludes the following:
  - NSN Items
  - Local Fabricated Items (SMR code MXX)
  - Local Assembled Items (SMR code AXX)
  - Local Purchased Items
  - Deployed Kits
2. Kits returning from deployment shall be excluded from metric performance measurement for 30 days to allow for stock replenishment.

### Conditions:

1. HAFB will compile and submit a report to LMSW Supply and the SPO by the 15th of each month.
2. Mission Support Kit (MSK) requirements taken out of RSP still need to be reported as part of RSP. Deployment of one RSP Kit will not alter metric criteria. Performance will continue to be graded against the remaining kit. Should all RSP Kits be deployed, the weight assigned to this metric will be assigned to NMCS for the duration of the deployment. When the kits return, the 12-month moving average will be reduced by the months the kits were deployed.
3. Should one or both kits deploy for less than a month, the kit will be considered deployed for the full month.
4. Top score of 97% applies to RSP Kits with Low Observable (LO) consumable materials. Should LO be removed from the kits, top score becomes 96%. The contract will not require renegotiation in this instance.

### QUALITY

Depot Quality is calculated by individual aircraft using a weighted point system that is based upon the number of major and minor discrepancies found after the contractor has requested DCMC sign-off for closure. After each inspection, representatives from LMSW Quality Assurance and DCMC Quality Assurance will review DCMC write-ups. Those found without merit will be documented but not considered for scoring. DCMC will have final determination of merit.

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Scoring:  
Weighted Point System

Major		Minor	
Discrepancy Count	Points	Discrepancy Count	Points
0-4	10	0-10	10
5-9	15	11-20	15
10-14	25	21-30	25
15-up	50	31-up	50

Determine the number of major and minor discrepancies found during DCMC Quality Assurance Inspection on each aircraft and convert to points per aircraft. Points per aircraft will be totaled and divided by the number of aircraft inspected to produce a 12-month moving average. An average of 20 points results in a score of 10; 21 to 25 is a score of 9, etc. Totals of 65 points or higher result in zero points.

Premises:

1. Major Discrepancy (Red X as specified in TO 00-20-1): The weapon system, support system, or equipment is considered unsafe or unfit for flight or use. The weapon system, support system, or equipment will not be flown or used until the unsatisfactory condition is corrected or symbol cleared.
2. Minor Discrepancy: An unsatisfactory condition exists on an aircraft or equipment. However, the condition is not sufficiently urgent or dangerous to warrant grounding of the aircraft or discontinuing use of the equipment.
3. A list of Mandatory Government Inspections (MGIs) will be provided to LMSW Quality Assurance office. The MGI list may change due to the work contracted.

Conditions:

1. DCMC will provide a quarterly report to LMSW Quality Assurance and the SPO by the 15th of the month following the end of the quarter.

### **DEPOT DELIVERY**

The Depot Modification delivery metric is calculated for each aircraft and is based upon the total number of days each aircraft fails to deliver on time. Delivery is tracked by aircraft and reflects the number of days behind schedule an aircraft actually delivered. (Early deliveries will be considered "on time".) The number of days is totaled after each delivery and then averaged across the number of aircraft delivered to establish a 12-month moving average.

Scoring:

Delivered aircraft will be scored as follows: An average of zero to 0.9 days behind schedule receives a score of 10. An average of 1.0 - 1.9 behind schedule receives a score of 8. 2.0 to 2.9 days behind schedule receives a score of 6. 3.0 to 3.9 days behind schedule receives a score of 4. 4.0 to 4.9 days behind schedule receives a score of 2 and aircraft 5 or more days behind schedule receive a score of 0.

Premises:

1. Total days behind schedule are calculated by adding the number of total days aircraft were not delivered on the scheduled output date.
2. "On time delivery" is defined as all depot requirements have been met and wheels are up and locked on departure from the depot.

Conditions:

1. Aircraft will be delivered in accordance with the negotiated work package.

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Changes in delivery will be negotiated between LMSW, DCMC and the SPO.

2. DCMC will provide a quarterly report to LMSW Quality Assurance and the SPO by the 15th of the month following the end of the quarter.

### **DELINQUENT DEFICIENCY REPORTS (DRs)**

Delinquency tracking is performed monthly to establish a 12-month moving average. This metric is based on the average number of delinquent DRs.

#### Scoring:

An average of 0 to 1 delinquent DRs for the reporting period receives a score of 10. 2 delinquent DRs receive a score of 9, 3 delinquent DRs receive a score of 8, etc. 11 or more delinquent DRs receive a score of 0.

#### Premises:

1. DR response time starts upon receipt of exhibit at LMSW or Supplier Facility (if shipped direct).
2. Timeframes for this metric are contained in TSPR 800, dated 1 Oct 98.

#### Conditions:

1. LMSW will provide a quarterly report to the SPO by the 15th of the month following the end of the quarter.

### **WST CREDITED AVAILABILITY**

WST Credited Availability is calculated monthly to establish a 12-month moving average. Credited Availability is computed as follows:

$$Ca = \frac{Tu + Td - Tc + Ta}{Ts + Ta}$$

Ca = Credited Availability

Tu = Utilization Time (Actual WST usage for the period)

Td = Total Deviation Time (Events such as the weather, power outages, etc. that cannot be controlled by the contractor.

Tc = Chargeable Maintenance Deviations (Unscheduled maintenance performed during scheduled training time)

Ta = Alternate Mission Time (Negative if time lost) (Time spent on a mission other than what was planned for training because of degraded WST performance)

Ts = Scheduled training time

WST Availability metrics by FY shall be as follows:

<b>FY</b>	<b>Metric</b>
'99	99%
'00	99%
'01	*93%
'02	*91%
'03	*89%
'04	*75%
'05	**97%
'06	**99%

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### Scoring:

An average of 99% or greater for the period receives a score of 10. From 98.6 to 98.9 receives a score of 9, etc. An average of 95% or less receives a score of 0. (In years where the top score differs from 99% (FY'01 – 05), metric scoring will begin with the number shown in the table above and be broken down accordingly.)

### Conditions:

1. LMSW will provide a quarterly report to the SPO by the 15th of the month following the end of the quarter.
2. \* - The AP500, Array Processor, will impact the WST availability beginning in FY'01. An interim solution must be implemented no later than FY'01 or the Array Processor (AP500) will be significantly impacted to the point where it would become non-functional. If this occurs or when the remaining spares are no longer supportable the WST availability will be calculated on all functions not dependent on the array processor.
3. \*\* - Upgrade to the host computer suite will occur in FY'04. WST availability will reduce each fiscal year based on supportability of current host computer suite. Should upgrade of the host computer suite not occur in FY'04, WST availability will be reduced to 50% in FY'05 and 0% in FY'06.
4. Upgrade to the host computer suite is considered outside the scope of the TSPR contract.

### **GENERAL SCORING/PERFORMANCE CALCULATIONS:**

"Total Value" consists of:

1. Current Performance
2. Score - Calculated based on Current Performance
3. Weight - Normalizes the metric to the weight of its importance
4. Value - Score x Weight

"Total Value" calculations are based as follows:

1. Performance values are translated into Scores based on comparison of Current Performance to the respective scoring guidelines found in the matrix.
2. Once the actual Score is determined, it is entered as Score at the top of the chart.
3. That Score is then multiplied by the Weight assigned to the respective metric and is reflected on the line identified as Value.
4. Each metric has been assigned a weight based on criticality of support to HAFB.
5. Maximum point value for "Total Value" is 1,000 distributed as follows:
  - CLIN 0001 700 Points
    - NMCS
    - MICAP
    - RSP Fill Rate
    - Delinquent DRs
    - WST Availability
  - CLIN 0002 300 Points
    - DCMC Depot Quality Assurance
    - Depot Delivery
6. Total points awarded will be displayed as a percentage of the Total Points Available. This percentage will be the Performance Incentive Fee for each CLIN.

Example:

Delinquent DRs: Current Performance = 0 Delinquent

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Score = 10

Weight = 10

Value toward Total = Score (10) x Weight (10) = Value (100 Points)