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FORM 5  
Test Incident Report (TIR)

**Scope:** This form captures data related to all faults that impede the normal execution of the JT&E execution. Included in the form are failure causes and all actions initiated by an operator, maintainer, or administrator to resolve the fault. Faults include those attributed to software, hardware, or training related failures. This form provides the JTF with a mechanism to score and group faults..

**Instructions:** Complete this form when a system or component fault is observed. Accordingly, this form needs to be completed for each fault separately. During the data recording period, if no situation that requires completing a TIR occurs, state so in data element 10 (comments) below.

1. Form Serial Number: \_\_\_\_\_
  2. Data Recorded for Week Ending (MM DD YY): \_\_\_\_\_
  3. Day (Check One)  
Monday  Tuesday  Wednesday  Thursday  Friday  Saturday   
Sunday
  4. Data Recorder Name: \_\_\_\_\_
  5. Facility: \_\_\_\_\_
  6. Data Collection Mode (Check One):    ADS             Non-ADS
  7. JT&E Test (Check One): SIT             ETE             EW
  8. Test Phase:            Phase I     Phase II     Phase III
  9. Data Validated By (Name): \_\_\_\_\_
  10. Comments: \_\_\_\_\_
  11. JADS data collection officer's initials: \_\_\_\_\_
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12. Incident resulted in test event being (Check One): Canceled:  Postponed:

13. Provide a full description regarding the incident:

A. Description: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. Date and Time Fault Discovered

(MMDDYY): \_\_\_\_\_

14. Fault identified in (Check One):

Hardware  Software  Database  Instrumentation  Other

Please explain:

\_\_\_\_\_  
\_\_\_\_\_

**15. Identify severity of the fault.**

Description	Category	Definition	Check One Below
Catastrophic	I	Testing not possible within the existing JT&E test apparatus.	<input type="checkbox"/>
Critical	II	Testing possible with major changes to the JT&E test apparatus.	<input type="checkbox"/>
Marginal	III	Testing possible with minor changes to the JT&E test apparatus.	<input type="checkbox"/>
Negligible	IV	Testing possible with relatively simple changes to the JT&E test apparatus.	<input type="checkbox"/>

**16. Provide a full description regarding the maintenance conducted:**

A. Description: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

B. Time to Troubleshoot (e.g. 2.3 hours): \_\_\_\_\_

Troubleshooting performed by (Check One):

Vendor:  \_\_\_\_\_ (Total Staff Hours)

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Operator:  \_\_\_\_\_(Total Staff Hours)

On-Site Facility Maintenance Support:  \_\_\_\_\_(Total Staff Hours)

Other:  \_\_\_\_\_(Total Staff Hours)

If other, please explain:

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C. Time to Repair (e.g. 2.5 hours): \_\_\_\_\_

Maintenance performed by (Check One):

Vendor:  \_\_\_\_\_(Total Staff Hours)

Operator:  \_\_\_\_\_(Total Staff Hours)

On-Site Facility Maintenance Support:  \_\_\_\_\_(Total Staff Hours)

Other:  \_\_\_\_\_(Total Staff Hours)

If other, please explain:

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**17. If event postponed, identify impact on planning, rehearsal, and executing test scenarios:**

A. Time delay related to rescheduling facilities (e.g. 25 days): \_\_\_\_\_

B. Time delay related to rescheduling communication connections(e.g. 2 days): \_\_\_\_\_

C. Comments: \_\_\_\_\_

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**18. Identify aggregate cost incurred to acquire parts or tools to correct the fault:**

\$ \_\_\_\_\_(FY\_\_ \$)

Describe:

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**19. Did training deficiencies contribute to fault:**

**19 (a). (Check One):** Yes  No:

**19 (b). If yes, provide description of training inadequacies:**

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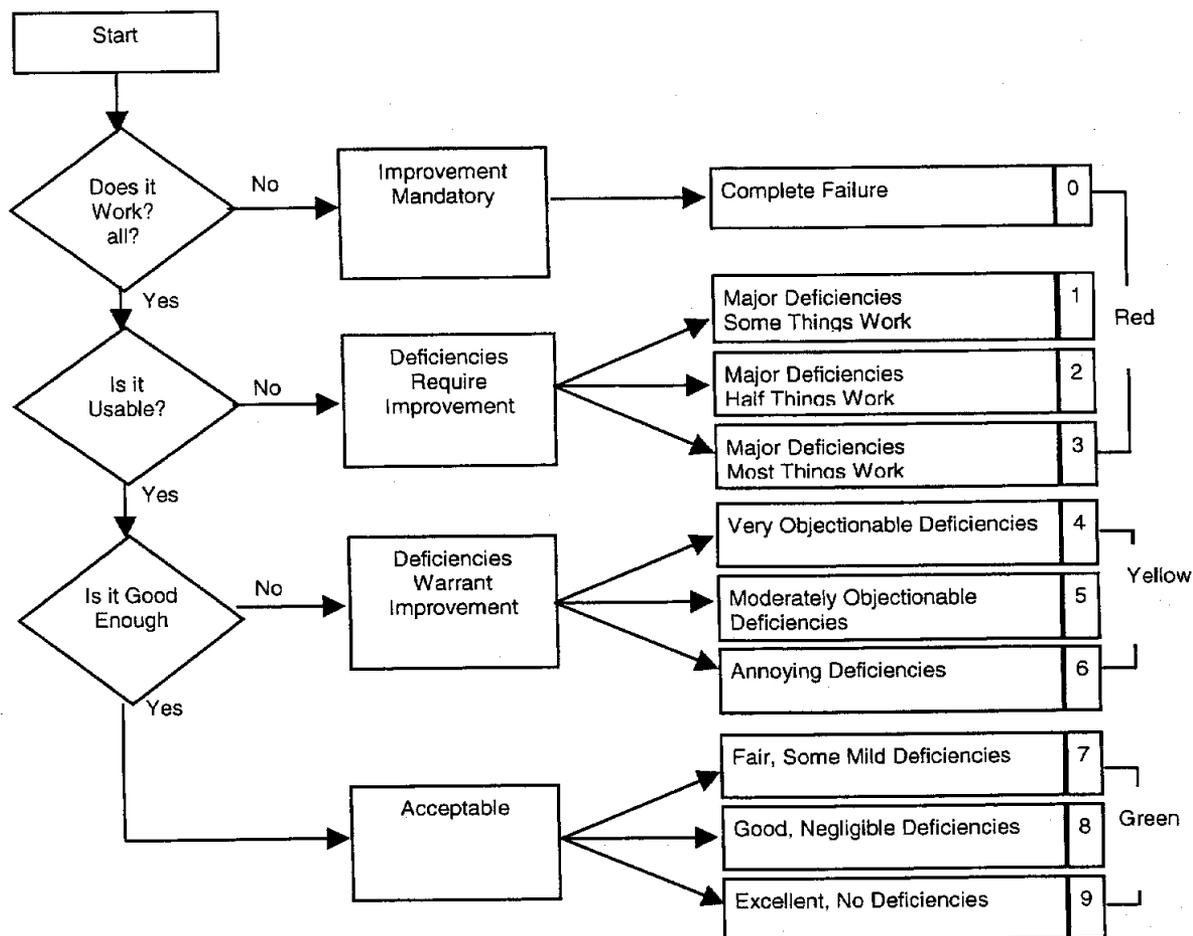


Figure 4-2 Evaluation Flowchart for Rating Scale

#### 4.5.2 Non-Parametric Statistical Methods

From a test statistic perspective, the JSHIP measurement data falls into the two types described in Table 4-8. Both categories of data are assumed to come from populations with unknown distribution properties, but they require certain test statistic conditions to be met.