# Technical Service Bulletin

**Product:** CVSM/CIWS  
**Date:** 2015-07-01

**Subject:** TSB - CVSM/CIWS Calibration with the Service Test Box

<table>
<thead>
<tr>
<th>HW Version(s) Affected:</th>
<th>SW Version(s) Affected:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
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<table>
<thead>
<tr>
<th>Serial Numbers Affected:</th>
<th>Lot or Date Code Affected:</th>
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**Classification:** Informational Only

**Distribution:**  
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☒ Product Service  
☒ Field Service  
☒ ASPs  
☐ Distributors  
☐ Customers  
☐ Company Confidential

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**Training Required:**  
☒ Yes  
☐ No

**Summary:** With the release of WAST 1.8, changes were made to the NIBP plugin, which was updated to version 1.3.0.3, and the SureTemp plugin, which was updated to 1.3.0.0, to remove the voltage and current measurement testing. Therefore, the current service test box 407691, which has a voltage and current meter included, is no longer required for the calibration processes on CVSM or CIWS products.

The Service Test box 410950 is a lower cost option that has the same functionality as 407691. The functionality of 407691 is to test voltage and current draws, USB port communication, and test the relay of the nurse call system for the device. The functionality of 410950 is to test USB port communication and the relay of the nurse call system for the device. The testing of the Nurse Call relay and the USB port communication is done the same way between both test boxes.

The Service Test Box Assy (407691) is a qualified material that will continue to be used with the Probp 3400 calibration test processes.

The SRV Kit, CSM Service Test Box (410950) is a qualified material that will be used in the calibration process for the following products: Connex Spot Monitor (CSM), Connex Vital Signs Monitor (CVSM), and the Connex Integrated Walls System (CIWS) going forward.
Customers can continue to use Service Test Box Assy (407691) on CVSM/CIWS products and see no issues in regards to performance of products with WAST ver 1.8.0.0 or greater. WAST 1.7.0.0 or below should always upgrade to the latest version of WAST or use Service Test Box Assy (407691).

**Reference Documents**

- SWF: WAST 1.8.0.0 50011612
- WAST Installer v.1.8.0.0 SRN 60069496
- WAST Unresolved Anomalies Report 60051519
- Service Test Box Conversion Memo 60071458
- TSB-WELCH ALYNN SERVICE TOOL - WAST v1.8.0.0 20013994

**Training is required if the document includes information on how to change/repair/fix the product - and only applies to TSBs**

<table>
<thead>
<tr>
<th>Version</th>
<th>Sec, Pg, Para Changed</th>
<th>Change Made</th>
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<th>Version Created By (initials)</th>
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