

# L-3 Preliminary Testing Results on Ironhawk SmartSync® Compression Software

GSA Task Order Number MW218LEE02FW



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*Delivering Decision Critical Data™*



These tests were performed between November 10-12, 2009 independently by Combat Service Support Personnel (CSS) and L-3 Communications on ULLS-A(E) and SAMS-E systems at SEC-Lee Software Integration Laboratory, Fort Hood, Texas.

Results:

**Compression Results:** Over 90% reduction.  
Beat program goal by 30+ percentage points.

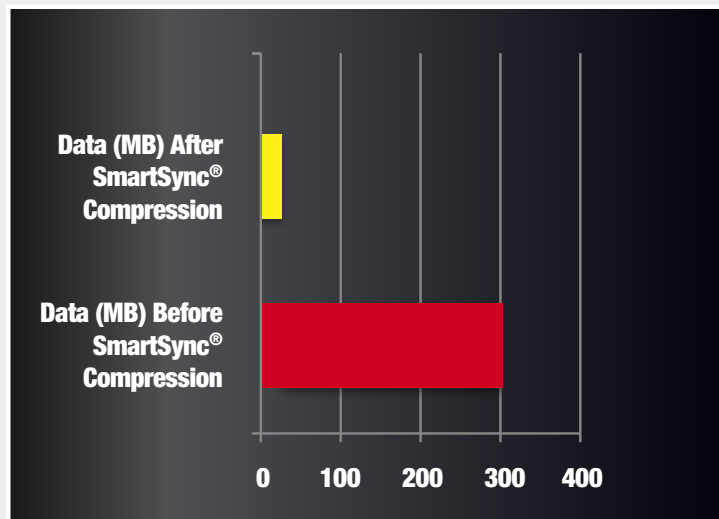
**VSAT Transfer Results:** Over 93% reduction in transmission time.

**Systems Tested:** ULLS-A(E), SAMS-E

Test Parameters:

**Total Number of Data Transfers:** 74

**Total Size of Data To Be Transferred:** 301.0 MB



<b>Program</b>	Logistics STAMIS Data Transfer Enhanced (LSDT-E)
<b>Compression Software Tested</b>	Ironhawk SmartSync®
<b>Testing Period</b>	November 10-12, 2009
<b>Testing Performed By</b>	Combat Service Support Personnel (CSS) and L-3 Communications
<b>Systems Tested</b>	ULLS-A(E), SAMS-E
<b>Total Number of Data Transfers</b>	74
<b>Total Size of Data To Be Transferred</b>	301.0 MB

Raw Data for Preliminary Test Results	Total Data (MB)	Percentage Reduction	Notes
Original Data Size (MB) Before SmartSync® Compression	301.0	0.00%	
LSDT-E Target (MB)	120.4	60.00%	Program Goal
Data Size (MB) After SmartSync® Compression	29.0	90.37%	Goal Exceeded

**Notes:**

Total Size of Data To Be Transferred: 301.0 MB from ULLS-A(E) to ULLS-A(E) and ULLS-A(E) to SAMS-E  
 Total Size of Data Before SmartSync® Compression: 301.0 MB  
 Total Size of Data After SmartSync® Compression: 29.0 MB

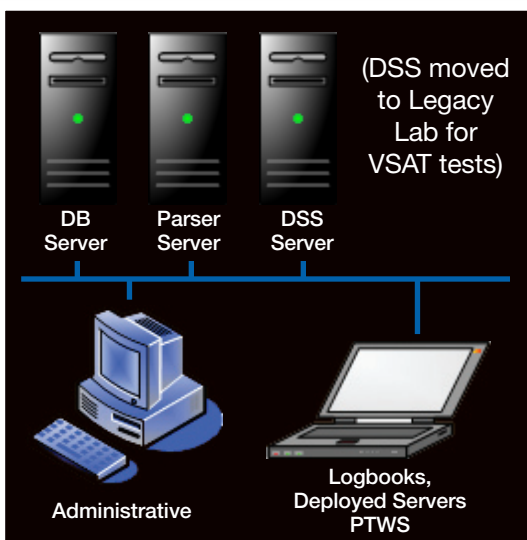
SEC-Lee Software Integration Laboratory  
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 (Preliminary Results Only)

# Test Configuration Used To Measure Bandwidth: ULLS-A(E) ICP 6.0.11 With Ironhawk SmartSync®

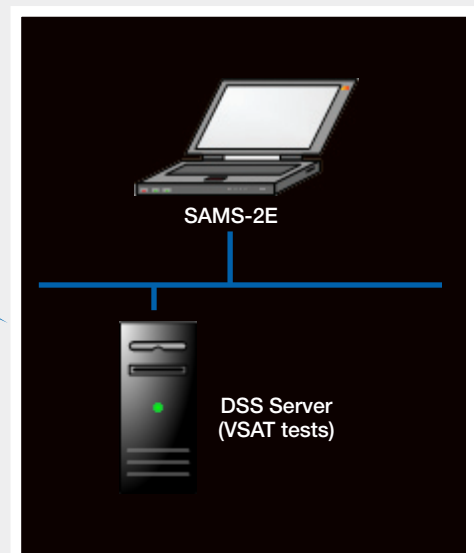


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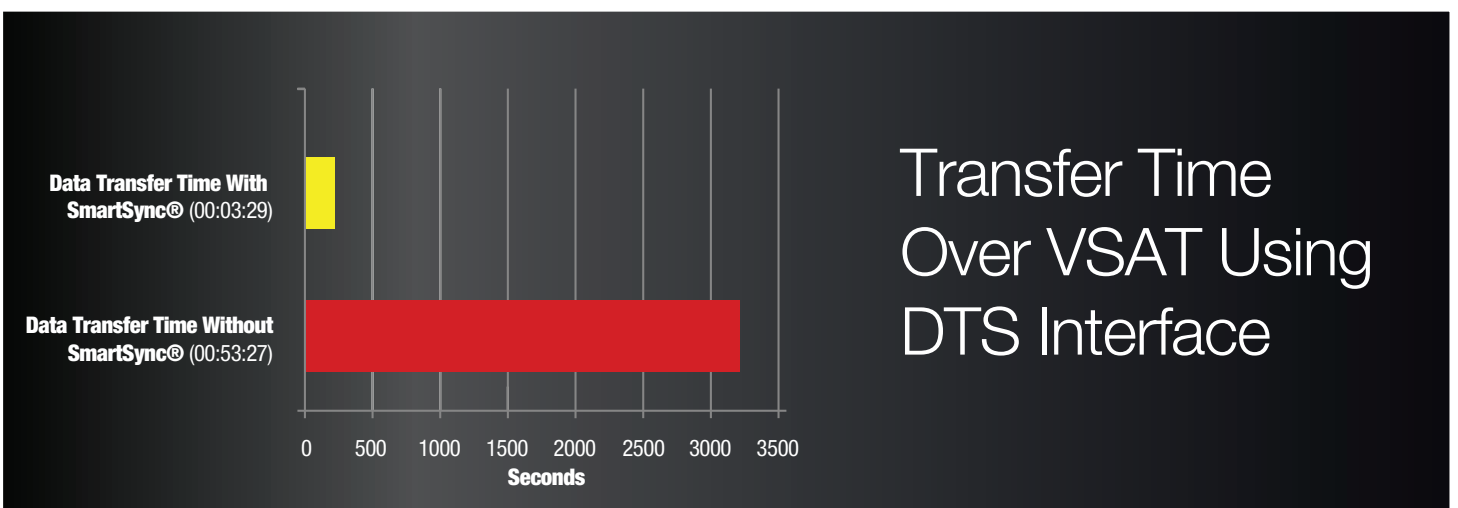
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OMEGA Lab



Legacy Lab



**Notes:**  
Transfer times were calculated over VSAT for one DTS interface used in ULLS-A(E)  
Data Transfer Time Without SmartSync® was 53 minutes, 27 seconds  
Data Transfer Time With SmartSync® was 3 minutes, 29 seconds

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