



# HASP Payload Integration Certification

**Payload Title:** \_\_\_\_\_

**Payload ID:** \_\_\_\_\_

**Institution:** \_\_\_\_\_

**Integration Payload Team Leader:** \_\_\_\_\_

**Contact Information:** \_\_\_\_\_

**Payload has been integrated and is APPROVED FOR FLIGHT OPERATIONS:**

\_\_\_\_\_  
T. Gregory Guzik, HASP Director

\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael Stewart, HASP Systems Head

\_\_\_\_\_  
Date

\_\_\_\_\_  
Payload Team Leader

\_\_\_\_\_  
Date

**Payload has been integrated, but OUTSTANDING ISSUES NEED TO BE RESOLVED:**

\_\_\_\_\_  
T. Gregory Guzik, HASP Director

\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael Stewart, HASP Systems Head

\_\_\_\_\_  
Date

\_\_\_\_\_  
Payload Team Leader

\_\_\_\_\_  
Date



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Complete	N/A	LSU Rep	Payload Rep	<b>MECHANICAL</b>
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The measured weight of the payload (including the payload plate) is _____ kilograms. The typical payload plate weight is _____ kilograms. The payload weight without the payload plate is _____ kilograms.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Mechanical drawing detailing the major components the payload and specifically how the payload is attached to the payload mounting plate has been provided.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Does the payload contain any hazardous component(s)? <b>YES    NO</b> <input type="checkbox"/> <input type="checkbox"/> - Pressurized container <input type="checkbox"/> <input type="checkbox"/> - Radioactive material <input type="checkbox"/> <input type="checkbox"/> - Biological Samples <input type="checkbox"/> <input type="checkbox"/> - Other, list any here: _____ _____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Documentation detailing all hazardous components has been provided.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The payload is properly secured to the payload plate.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The interior of the payload is properly insulated.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The exterior of the payload is properly shielded and/or insulated.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Other relevant mechanical information has been provided, list any here: _____ _____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Mechanical issues to be resolved (if so, see attached).



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Complete	N/A	LSU Rep	Payload Rep	<b>POWER</b>
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The measured current draw at 28 VDC is _____ mA.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	A wiring diagram has been provided (applicable if HASP is supplying power to your payload).
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Power connection between payload and mounting plate EDAC connector is wired correctly
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Other relevant power information has been provided, list any here: _____ _____ _____
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Electrical issues to be resolved (if so, see attached).

Complete	N/A	LSU Rep	Payload Rep	<b>THERMAL / VACUUM TESTING</b>
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	A thermal test over the temperature range _____ °C to _____ °C has been performed.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Test data showing normal payload function during thermal test has been provided.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	A vacuum test to _____ mbar has been performed..
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Test data showing normal payload function during vacuum test has been provided.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Thermal / Vacuum test issues to be resolved (if so, see attached).



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Complete	N/A	LSU Rep	Payload Rep	COMMUNICATION
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The observed serial data downlink format is: stream or packetized (circle one).
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The observed serial downlink rate is _____ bps.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The serial downlink is functioning properly.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	The downlink data, retrieved from the HASP website, has been validated by the payload team.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	A list of uplink commands has been provided to the HASP team.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	All _____ analog channels being used are functioning properly.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	All _____ discrete lines being used are functioning properly.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	All _____ uplink commands have been tested and are functioning properly.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Transmitter frequency _____ MHz verified
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Transmitter power _____ W verified
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Transmitter FCC license verified
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Transmitter functioning normally
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Receiver frequency _____ MHz verified
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Receiver functioning normally
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Communication issues to be resolved (if so, see attached).



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<b>Complete</b>	<b>N/A</b>	<b>LSU Rep</b>	<b>Payload Rep</b>	<b>LOGISTICS &amp; PLANNING</b>
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	A list of all payload team members including contact information has been provided.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	A mission operation plan has been submitted.
<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	Logistical and planning issues to be resolved (if so, see attached).

