



## HIGH SPEED CONTAINER DELIVERY SYSTEM (HSCDS)

### OVERVIEW:

The Air Force has a need for an aerial delivery system that can match the high speed capability of their modern airframes while the Army has a need for accurate aerial resupply with a reduction in payload dispersion on the ground and a decreased position signature over the dropzone. The High Speed Container Delivery System is able to meet both of those needs, providing an aerial delivery system that can be deployed at airspeeds up to 250 knots from as low as 250 feet. The aircrew will receive the benefit of increased ingress and egress speeds, limiting their exposure to threats and increasing their maneuverability. Ground forces will receive the benefit of an accurate, predictable airdrop with decreased payload dispersion while reducing the likelihood that the dropzone will be detected by the enemy.

### DESCRIPTION:

The High Speed Container Delivery System (HSCDS) was developed as a Joint Capability Technology Demonstration (JCTD) starting in FY11 and sponsored by the Office of the Secretary of Defense and the United States Transportation Command. The system allows for the deployment of up to a total of eight 2,200 pound containers during a single pass using an extraction parachute to pull them out of the aircraft. HSCDS allows C-130J, C-17, MC-130J and MC-130H aircraft to deliver over 16,000 pounds in a single pass at airspeeds up to 250 knots and as low as 250 feet. The same extraction procedures and conventional parachute equipment can be used for a low speed extracted capability, providing the same accuracy, predictability and reduction in payload dispersion with the addition of only one non-standard component. The low speed extracted system is especially useful for aircraft that do not have a high speed airdrop capability, such as the C-130H. The high speed capability requires a high speed extraction parachute system, recovery parachute system and container in order to perform at 250 knots. All of the components and procedures developed during the JCTD have transitioned to Product Manager- Force Sustainment System as part of their Extracted High/Low Speed Container Delivery System (EHLSCDS) Program of Record.

### POINT OF CONTACT:

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**C-130 HSCDS extraction**



**C-17 HSCDS extraction**



**Composite photo of extraction  
and landing**