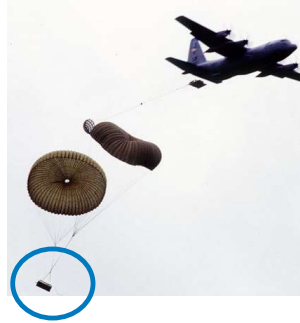
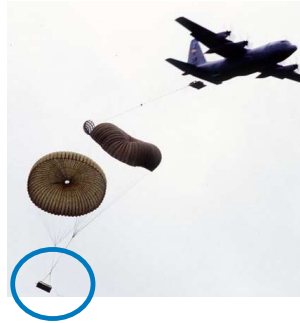




Benefits of Replacing Cardboard Honeycomb & Plywood skid board with Reusable Parts - **REAL & RUSB**

October 24, 2025

Benefits of Reusable Parts - **REAL & RUSB**



Dr. Daryoush Allaei, PE

Chief Technology Officer
QRDC, Inc.

E: dallaei@qrdc.com, P: (952) 556-5205 or Mobile: (612) 380-4433

Website for more information:

1) <https://www.qrdc.com/library/real-reusable-energy-absorbing-layer/>

2) <https://www.qrdc.com/>

October 24, 2025

1) Ground and Flight Tests

1.a) Simulated Ground Test at Natick

1.b) Airdropped at

- Tucson AFB (airdrop test)**
- Little Rock AFB (airdrop test)**
- Little Rock AFB (Strength tests)**

Approvals

2) Approved by

2.a) ATTILA

2.b) USAF issued UAT (Unilateral Aeiral Training)

UAT for REAL was issued in January 2024

UAT for RUSB was issued in March 2024

USAF FCIF on RUSB was issued in January 2025

AFSOC FCIF on mixing Plywood & RUSB in August 2025

USAF issued

UAT

for

REAL

January 2024

ADFSD RELEASE INFORMATION FILE			
Applies to:	Army ☒ USAF ☒ Navy ☐ USMC ☐ Other:		
Interim: ☐	Control Number: USAF 24-003	Release Date: 10-Jan-2024	
Exception: ☒	Rescind Date:	Post Until Further Notice: ☒	Publication Affected: TO 13C7-1-11
OR			
Title: Authorization for Reusable Honeycomb (REAL)			
//UNCLASSIFIED//			
1. The Air National Guard – Air Force Reserve Command Test Center (AATC) tested the reusable honeycomb with their Research & Development Team at US Army Combat Capabilities Development Command Soldier Center, Natick, MA. The test was completed to allow a reusable pad in lieu of single use energy dissipating material on container delivery systems (CDS). 2. This exception to policy governs AF UAT loads rigged for CDS, Container Ramp Loads (CRLs), and LCLA only. Loads covered in TO 13C7-1-11 are the only loads authorized for use for UAT loads. Contact QRDC for purchasing at: Mr. Daryoush Allaei 3223 Fairchild Ave. Wayzata, MN 55391 Email: Dallaei@qrdc.com Office phone: 952-556-5205 Direct line: 612-380-4433 3. All units utilizing REAL will follow the manufacture procedures for assembly and place IAW TO 13C7-1-11. Adverse results of using the REAL versus Energy Dissipating Material (EDM) are mandatory. 4. This memorandum expires when TO 13C7-1-11 is revised/published. 5. The point of contact for this action is MSgt Drew Holsenback, commercial 703-659-5517 or andrew.holsenback@us.af.mil.			
Releasing Authority: ANDREW J. HOLSENBACK, MSgt, USAF USAF Aerial Delivery Manager		Signature: HOLSENBACK.ANDRE W.JAMES.1265841941 Digitally signed by HOLSENBACK.ANDREW.JAMES.126584194 Date: 2024.01.10 15:50:42 -0500	
ADFSD Release Information File, Version 1, 20230105			

USAF issued UAT for RUSB

March 2024

ADFS Release Information File			
Applies to:	Army ☐ USAF ☒ Navy ☐ USMC ☐ Other:		
Interim: ☐	Control Number: USAF 24-006	Release Date: 29-Mar-2024	
Exception: ☒		Rescind Date:	Post Until Further Notice: ☒
		OR	Publication Affected: TO 13C7-1-11
Title: Reuseable Universal Skidboard (RUSB) Rigging Authorization			
//UNCLASSIFIED//			
1. This releases the interim/exception for TO 13C7-1-11. 2. Current wooden skidboards have a tendency to break after one drop or cannot be brought to other countries based on the WRM issues. A reusable universal skidboard (RUSB) has been tested and authorized for airdrop of USAF UAT containers. The RUSB is approximately 1 inch thick, 48"x48", and has pre-drilled holes for skidboard ties. These may be reused until they break, crack, or have noticeable degradation affecting the survivability of the airdrop. RUSB is designed to be utilized with REAL, but can be used with traditional EDM (honeycomb) if needed. 3. This interim/exception will expire when incorporated in TM 4-48.03/MCRP-4-10.3C/TO 13C7-1-11 when it is revised / published. 4. Units wishing to purchase RUSB will contact the following: QRDC, Inc Dr. Daryoush Allaei Chief Executive Officer dallaei@qrdc.com Cell: 612-380-4433			
Releasing Authority: ANDREW J. HOLSENBACK, MSgt USAF Aerial Delivery Manager		Signature: HOLSENBACK.ANDREW W.JAMES.1265841941 Digitally signed by HOLSENBACK.ANDREW.JAMES.1265841941 Date: 2024.03.29 11:57:09 -04'00'	
ADFS Release Information File, Version 1, 20230105			

USAF issued FCIF for RUSB

January 2025

**Sent by:
Maj Andy Forsyth, RIANG
AMC C-130J Command Evaluator
Quonset ANGB, RI**

FLIGHT CREW INFORMATION FILE			
APPLIES TO: ACC ☐ AETC ☐ AFGSC ☐ AFMC ☐ AFRC ☒ AFSOC ☐ AMC ☒ NGB ☒ PACAF ☒ USAFE-AF/AFRICA ☒ Other ☐			
FCIF ☒ SII ☐	ORIGINATING HHQ FCIF/SII # 25-01-01	WING/OG FCIF/SII #	UNIT FCIF/SII #
RELEASE DATE 07 Jan 2025	UNIT POST DATE	RESCIND DATE	OR ☒ POST UNTIL FURTHER NOTICE
APPLICABLE TO: LoadPilot			
AIRCRAFT or MDS C-130J ☒ C-130H ☒ C-17A ☒			
SUBJECT: Reusable Universal Skid Board Use Approval //UNCLASSIFIED//FCIF# 25-01-01			
1. This FCIF is approved for release by Mr. Scott Lubin, AMC/A3V, and applies to all AMC, PACAF, USAFE, AFRC, ANG and AMC-Gained C-17A and C-130 units. Retain this FCIF until rescinded. 2. The Reusable Universal Skid Board (RUSB) is a composite, reusable Container Delivery System (CDS) skid board with the potential to significantly reduce the cost of conventional plywood skid boards. 3. Several USAF unilateral airdrop training units have purchased RUSB quantities however, a full restraint evaluation of the RUSB is pending and has not been completed. Until a full restraint evaluation is completed, vertical restraint will be applied utilizing aircraft CGU 1/B straps to all CDS bundles rigged with the RUSB. This includes bundles restrained by the Center Vertical Restraint (CVR) or Enhanced Container Vertical Restraint (ECVR) systems. Straps used as additional restraint will be placed and secured in a manner that does not interfere with the parachute and/or bundle rigging. 4. Aircrews will report any problems encountered when using the RUSB to AMC/A3TW. 5. This is a coordinated HQ AMC message. MAJCOM POCs are: AMC/A3VX - Maj Andy Forsyth DSN 779-1143 AMC/A3V - Maj John Kuconis, DSN 312-779-1143; AMC/A3TW - MSgt Stefan Eiermann, DSN 312-779-7857 NGB/A3ME - Maj Joe Oliphant, DSN: 612-7164; HQ AFRC/A3MV - Lt Col James Hodgson, DSN: 497-0483; HQ PACAF/A3TV - Maj Maddie Atkinson, DSN 315-449-1993; HQ USAFE-AF/AFRICA/A3AV - Maj Mike Morrison, DSN 314-480-9363			
// SIGNED //			
SCOTT J. LUBIN, Civ, USAF Chief, AMC Stan/Eval & Readiness //UNCLASSIFIED//			
RELEASING AUTHORITY	PHONE	SIGNATURE	
RELEASING OFFICE	PHONE	SIGNATURE	
AMPLIFYING INFORMATION:			

USAF issued FCIF

FLIGHT CREW INFORMATION FILE			
APPLIES TO: ACC ☐ AETC ☐ AFGSC ☐ AFMC ☐ AFRC ☒ AFSOC ☐ AMC ☒ NGB ☒ PACAF ☒ USAFE-AF/AFRICA ☒ Other: ☐			
FCIF ☒ SII ☐	ORIGINATING HHQ FCIF/SII # 25-01-01	WING/OG FCIF/SII #	UNIT FCIF/SII #
RELEASE DATE 07 Jan 2025	UNIT POST DATE	RESCIND DATE	OR ☒ POST UNTIL FURTHER NOTICE
APPLICABLE TO: LoadPilot			
AIRCRAFT or MDS C-130J ☒ C-130H ☒ C-17A ☒			
SUBJECT: Reusable Universal Skid Board Use Approval			
//UNCLASSIFIED//FCIF# 25-01-01			

3. Several USAF unilateral airdrop training units have purchased RUSB quantities however, a full restraint evaluation of the RUSB is pending and has not been completed. Until a full restraint evaluation is completed, vertical restraint will be applied utilizing aircraft CGU 1/B straps to all CDS bundles rigged with the RUSB. This includes bundles restrained by the Center Vertical Restraint (CVR) or Enhanced Container Vertical Restraint (ECVR) systems. Straps used as additional restraint will be placed and secured in a manner that does not interfere with the parachute and/or bundle rigging.

January 2025

Sent by:
Maj Andy Forsyth, RIANG
AMC C-130J Command Evaluator
Quonset ANGB, RI

779-1143 AMC/A3V - Maj John Kuconis, DSN 312-779-1143; AMC/A3TW - MSgt Stefan Eiermann, DSN 312-779-7857 NGB/A3ME - Maj Joe Oliphant, DSN: 612-7164; HQ AFRC/A3MV - Lt Col James Hodgson, DSN: 497-0483; HQ PACAF/A3TV - Maj Maddie Atkinson, DSN 315-449-1993; HQ USAFE-AF/AFRICA/A3AV - Maj Mike Morrison, DSN 314-480-9363		
// SIGNED //		
SCOTT J. LUBIN, Civ, USAF		
Chief, AMC Stan/Eval & Readiness		
//UNCLASSIFIED//		
RELEASING AUTHORITY	PHONE	SIGNATURE
RELEASING OFFICE	PHONE	SIGNATURE
AMPLIFYING INFORMATION:		

UNCLASSIFIED
(When Filled In)

AFSOC FCIF 25-112

August 14, 2025

[illegible]

AFSOC FCIF 25-112

UNCLASSIFIED

(When Filled In)

AMPLIFYING INFORMATION:

1. This AFSOC FCIF applies to units operating the MC-130J; all others take for information only.
2. The Reusable Universal Skid Board (RUSB) is a composite, reusable Container Delivery System (CDS) skid board with the potential to significantly reduce the cost of conventional plywood skid boards. Additionally, RUSB is designed to be utilized with Reusable Honeycomb (REAL/REAP), but can be used with traditional Energy Dissipating Material (EDM) honeycomb.
3. RUSB is approved for use for unilateral training airdrops; however, a full restraint evaluation of the RUSB is pending and has not been completed. Until a full restraint evaluation is completed, vertical restraint will be applied utilizing aircraft CGU 1/B straps to all CDS bundles rigged with the RUSB. This includes bundles restrained by the Center Vertical Restraint (CVR). Straps used as additional restraint will be placed and secured in a manner that does not interfere with the parachute and/or bundle rigging.
4. User reports indicate the RUSB exits faster than a plywood skid board. To prevent malfunctions caused by bundle interaction among mixed RUSB and plywood skid boards, all bundles rigged with RUSB in a mass configuration will be loaded to exit the aircraft before any bundles rigged with plywood boards exit. If a bundle rigged with RUSB is the first to exit the aircraft--and until RUSB exit times have been fully evaluated and published--aircrews will subtract one second from the calculated CDS exit time to correct for faster exit. This corrected exit time will be overwritten into the aircraft's CARP computer or manually computed CARP.
5. Aircrews will report any problems encountered when using the RUSB to AFSOC/A3FW/A3V.
6. The FCIF will remain in effect until the TO 13C7-1-11 is revised/published and additional guidance is incorporated.
7. Post this FCIF within 2 days of receipt to Volume 1, Part B of the FCIF. AFSOC/A3V is the POC, DSN 579-4880.

AFSOC FCIF 25-112

UNCLASSIFIED

(When Filled In)

Zoomed on the most important paragraph of this AFSOC FCIF 25-112

4. User reports indicate the RUSB exits faster than a plywood skid board. To prevent malfunctions caused by bundle interaction among mixed RUSB and plywood skid boards, all bundles rigged with RUSB in a mass configuration will be loaded to exit the aircraft before any bundles rigged with plywood boards exit. If a bundle rigged with RUSB is the first to exit the aircraft--and until RUSB exit times have been fully evaluated and published--aircrews will subtract one second from the calculated CDS exit time to correct for faster exit. This corrected exit time will be overwritten into the aircraft's CARP computer or manually computed CARP.