

National Aeronautics and Space Administration

Kennedy Space Center
Kennedy Space Center, FL 32899



May 3, 2012

Reply to Attn of: **MEMORANDUM FOR RECORD**

SUBJECT: Use of 50 Pounds for the Maximum Manual Lift

SCENARIO:

What is the maximum weight per person that can be lifted manually?

BACKGROUND:

This issue has been around for many years as there was not a specific number ever written into the requirements. Traditionally, 50 pounds has been the amount that has been verbally provided to the Payload Organization. It has been generally thought that this value derived from MIL-STD-1472 with a conservative factor. In looking at the latest 1472, the requirement is not definitive. However, the value of 50 pounds, regardless of how derived, has served well. To date, the GSRP has no knowledge of any injuries related to manual lifting.

CONCLUSION:

Based on its long history of use, 50 pounds shall be the maximum value per person used in manual lifts.

APPLICABILITY:

This Memo is only applicable to operations under the jurisdiction of the ISS Ground Safety Review Panel.

A handwritten signature in blue ink that reads "Paul D. Kirkpatrick".

Paul D. Kirkpatrick
Chairman, ISS Ground Safety Review Panel