

TO: KSC Lifting Devices and Equipment (LDE) Community

FROM: SA-G2/J. Torsani

1 February 2012

SUBJECT: KSC LDE Committee (LDEC) Meeting Minutes

A KSC LDEC meeting was held on Wednesday, 1 February 2012, at 2:00 p.m., in the Operations Support Building II conference room 5109. Agenda items and additional issues discussed are summarized below.

Meeting attendees: (see attached roster)

### **NASA Safety Center (NSC) Institutional / Facility / Operational (IFO) Audit**

LDEM discussed upcoming IFO Audit currently scheduled for 5-9 March. LDEM highlighted several commonly identified non-compliances including discussion of prior KSC IFO Audit findings, recent Wallops Flight Facility IFO Audit findings, and NSC "potential systemic issues." All personnel in the KSC LDE Community were provided copies of the meeting charts containing these lists and should expect IFO Auditors in their areas. As is always the case, personnel should be vigilant, and proactively identify and correct problems. Contact the KSC LDEM for assistance as necessary.

### **Suspended Load Operations**

Several members of the KSC Lifting Community are currently involved in developing Suspended Load Operation Analyses / Approvals (SLOAAs) for the upcoming Orbiter moves to Dulles, JFK, and LAX International Airports. KSC is working closely with the NASA HQ with these particular SLOAAs due to the fact that their approval is required per NASA-STD-8719.9. All participants have successfully worked through challenges and multiple iterations of the SLOAA.

### **KNPR 8715.3 Revision**

KNPR 8715.3 is currently out for Center-wide review. LDEM emailed draft to entire KSC LDE Community and requested input due by 17 February 2012. Contractors will have to work with their NASA counterparts to ensure comments are entered into KAITS. NASA personnel should submit their comments through KAITS.

### **NASA-STD-8719.9 Revision**

The current edition of NASA-STD-8719.9 expires on 1 October 2012. The NASA Lifting Committee is in the initial stages of a major revision of this document. Redundant requirements from OSHA will be deleted and direct references to appropriate National Consensus Standards (e.g. ASME B30 and ITSDF B56) will be added. KSC LDEM will provide draft of new revision to KSC Lifting Community for review and comment when available.

### **New OSHA Requirements**

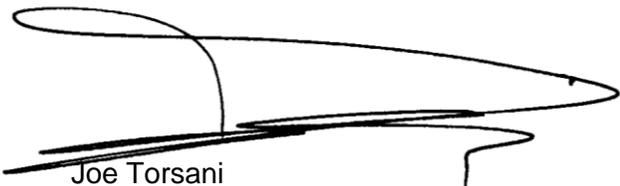
29 CFR 1910.184 now requires sling identification markings to include "recommended safe working load for the type(s) of hitch(es) used, the angle upon which it is based, and the number of legs if more than one." KSC-fabricated slings do not currently comply with the requirement to specify angle and number of legs. As our slings come due for periodic load testing, in addition to current information, new tags for single-part slings shall include the word "Vertical" next to WLL (SWL). New tags for multiple-part slings shall include the angle associated with WLL (SWL) and the number of legs on the sling assembly.

Two LDEC meeting participants who recently attended training at a local crane operator training organization brought up an “exception to an exception” regarding powered industrial trucks (PITs) in the newly-released 29 CFR 1926 Subpart CC, Cranes and Derricks in Construction. PITs are exempt from the requirements of this regulation “except when configured to hoist and lower (by means of a winch or hook) and horizontally move a suspended load.” This may drive operator certification requirements which are not currently in place for PIT operators.

To clarify the impact to KSC operations, we must first understand the OSHA definition of “construction”. Per 29 CFR 1926.32, “Construction work means work for construction, alteration, and/or repair, including painting and decorating.” If crane or PIT operations at KSC fall under this definition, then the requirements of 29 CFR 1926 apply (If not, then 29 CFR 1910 requirements apply). 29 CFR 1926.1427 requires operators of equipment covered under Subpart CC to be qualified or certified. This requirement takes effect on 10 November 2014.

Given these facts, if a PIT is equipped with winch or hook to hoist / lower / horizontally move a load and that PIT is used for construction then per 29 CFR 1926 1427, “The employer must ensure that, prior to operating any equipment covered under subpart CC, the person is operating the equipment during a training period in accordance with paragraph (f) of this section, or the operator is qualified or certified to operate the equipment...” See the KSC-LDE Website <http://ksc-lde.ndc.nasa.gov/> to read about the 4 options to qualify or certify operators.

Please contact me if you have any questions or need assistance with KSC lifting issues.  
Thanks.

A handwritten signature in black ink, appearing to read 'Joe Torsani', with a stylized flourish extending to the right.

Joe Torsani  
KSC Lifting Devices and Equipment Manager  
321-861-3806

IFO 1/2/2012

CDE COMMITTEE MEETING

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JOHN GARRETT	USA SAF ENG	1-3407
Todd Lamond	USA CIANG	1-4864
Alan Alemany	NASA SAGZ	1-6188
Doug Burnett	USA-SRB	7-9855
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BRAD LITTLE	NE-M6	7-8539
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