

AVOID VERBAL ORDERS

TO: KSC Lifting Devices and Equipment (LDE) Community

FROM: SA-B1/J. Torsani

22 November 2006

SUBJECT: 11/21/06 KSC LDE Committee Meeting Minutes

A KSC LDE Committee meeting was held on Tuesday, 21 November 2006, at 2:30 pm, in the Operations Support Building, K6-1096, conference room 5308.

Meeting attendees:

<u>Name</u>	<u>Organization/Mailing Address</u>	<u>Phone</u>
Joe Torsani	NASA SA-B1	1-3806
Kristin Kelley	NASA SA-B1	1-4128
Randy Robbins	SGS	7-1808
Ray Tuttle	SGS	7-9928
Hank Brown	SGS	3-7882
Dan Koharski	NASA NE-M9	1-3289
Brad Lytle	NASA NE-M2	7-8539
Sam Talluto	ASRC Mech/Fluids	7-9440
Rob Summers	NASA OHE	1-3646
Andrew Layne	NASA OHE	1-5538

Agenda items discussed:

1. Introduction of new alternate LDEM—Kristin Kelley
2. Safety Message-Joe Torsani
3. Recent revision of KNPR 8715.3 (KSC Safety Practices Procedural Requirements).
4. Upcoming revision of NASA-STD-8719.9
5. Review of CRES shackle failure and subsequent GIDEP / NASA Alert processes
6. Office of Safety and Mission Assurance (OSMA) audits of LDE Programs at other NASA Centers
7. KSC LDE Community Webpage status and ideas
8. Review of recent, unique lifting operations conducted at KSC

Highlights of significant agenda items are detailed below. Please contact me for additional information.

1. New Alternate KSC LDEM: Kristin Kelley, Shuttle Safety Engineer, has been named to replace Malcolm Glenn as Alternate KSC LDEM. Malcolm

decided to refocus his efforts due to his recent promotion to Shuttle Mission Assurance Manager. That said, he is still willing to share his extensive corporate knowledge and is available to assist the lifting community as necessary. Thanks Malcolm. Welcome Kristin.

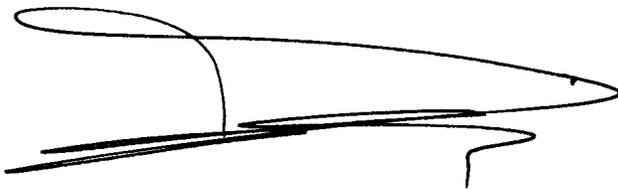
2. KNPR 8715.3 Revision: The recent revision (Rev B-2) of KNPR 8715.3 incorporated an update to Attachment G, KSC Supplement to NASA-STD-8719.9. In this document, the attachment (as changed) appears in the front of the KNPR beginning on page 3 (vice the back of the document in previous revs). The KNPR can be accessed through the KSC LDE Community Website at: http://www-ph.ksc.nasa.gov/sma/KSC_LDE_files/slide0001.htm
3. NASA-STD-8719.9 Revision: The NASA Lifting Community is getting ready to update the NASA Lifting Standard which is rapidly approaching the end of its 5 year review cycle. We plan to actively support this revision and will bring any recommendations provided by the KSC Lifting Community to the group for their consideration. This is your chance to help make the standard better. If you have any idea for improvement, please forward them to me as soon as possible. I will integrate all recommendations and present them during the revision process.
4. GIDEP / NASA Alert Processes: GIDEP and NASA Alert forms can be found on the KSC LDE Community Webpage (see 2. above.) If you have a concern and think there is a need to issue either or both of these, please take a look at the blank documents / forms on the KSC LDE Community Webpage and call me for further direction. I will facilitate submission of the alerts through the proper channels. I will also ensure the entire KSC LDE Lifting Community as well as other NASA Centers' LDEMs are kept in the loop.
5. OSMA Audits of LDE Programs: A recent article in the OSMA Review & Assessment Division Information and News (RADian) detailed findings from several recent LDE Program audits. I think we've got most, if not all of the listed concerns covered / accounted for, but they're worth taking a look at and considering your specific part of the program. Call me if you think you have issues or room for improvement. (NOTE: KSC has NOT been audited yet. Now is the time to identify and rectify any problems.)

Significant findings included:

- a. Lack of documented review of all lifting devices for compliance with design / hardware requirements
- b. Lack of safety analyses for critical lift cranes, slings, and associated equipment
- c. Lifting hardware not periodically load tested
- d. Lack of monthly inspections of LDE
- e. Lack of specific written procedures for critical lifts
- f. Lack of established LDE Committee

- g. Lack of formal process for identifying critical lift operations and LDE that must meet critical lift requirements
 - h. Lack of formal designation of LDEM & Alt via Center Director's assignment
 - i. Lack of documentation of required LDE daily inspections and operational checks
 - j. Lack of permanent, legible certification tags
 - k. Need for better tracking of Certified LDE Operators
 - l. Checking the accuracy of construction contractor equipment certifications
 - m. Insufficient time devoted by the LDEM to the LDE Program
 - n. Clarification of Suspended Load Operations to ensure proper implementation of OSHA-approved NASA Alternate Standard for Suspended Load Operations
6. KSC LDE Community Webpage Development: Our webpage is about 75% functional. http://www-ph.ksc.nasa.gov/sma/KSC_LDE_files/slide0001.htm My goal is to have it 100% up to speed by the first of the year. We are converting it from a PowerPoint-based page to a full-up webpage using FrontPage software. If there is anyone out there with FrontPage expertise who is willing to help me with this effort, please call or shoot me an email. We had several great ideas for improvements expressed at the meeting and all will be incorporated. If you have an idea to improve the site, don't hesitate to share it. (NOTE: Some folks do not have access to the site due to its location on a NASA server. We are addressing this problem and will notify you when it's fixed.)
7. Recent Unique Lifts: The LDE Committee reviewed four lifts which occurred since our last committee meeting.
- a. Two-crane pick of the ISS Columbus Module
 - b. Three-crane pick of the Vehicle Assembly Building (VAB) Horizontal Doors
 - c. Man-basket lift on Tadano jib for repair of the Pad B water tower
 - d. Vertical Lift Door (VLD) platform move from VAB HB-1 to HB-3

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



Joe Torsani
KSC Lifting Devices and Equipment Manager
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