

TO: KSC Lifting Devices and Equipment (LDE) Community

FROM: SA-B1/J. Torsani

24 July 2007

SUBJECT: 16 July 2007 KSC LDE Committee Meeting Minutes

A KSC LDE Committee meeting was held on Monday, 16 July 2007, at 10:30 a.m., 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
Andrew Stampfel	NASA SA-B1	1-2223
Randy Robbins	SGS	7-1808
Dan Faden	SGS	853-6504
Brad Lytle	NASA NE-M2	7-8539
Larry Jones	NASA NE-M9	1-3290
Emery Lamar	Aerospace Corp (SA-B1)	1-3292
Michael Dodson	NASA SA-E3	7-1348
Gary Hendricks	NASA SA-C3	7-8738
Jeppie Compton	NASA SA-B1	7-6988

Agenda items discussed:

1. Safety Message-Complacency
2. Recent Institutional / Facilities / Operations (IFO) Audit
3. LDEM Responsibilities / Focus
4. NASA-STD-8719.9 Revision
5. IAM Strike Impact
6. KSC LDE Community Website—Next Step

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

1. IFO Audit: The KSC Lifting Program took some hits during the recent IFO audit. This audit was conducted by the HQ NASA Office of Safety and Mission Assurance (OSMA). They identified four “Non-Compliances” (NC) and one “Critical Non-Compliance” (CNC). The CNC addressed the lack of load testing and subsequent tagging of rigging and hoists in the USA Load Test Shop. Although later found to be compliant but not tagged, one hoist used for load testing was tagged the same day. The other hoist was load tested and tagged soon thereafter. The Load Test Shop has put a plan in place to conduct proof load testing on all their rigging used in the shop.

Of the four NCs, three were aimed at the LDEM (me) for lack of engagement in the program with regard to training reviews, procedures reviews, and lack of a consolidated inventory of all lifting devices at KSC. I have recently been given the opportunity to focus 100% of my time on my duties as LDEM (see item #2 below) and have already begun to remedy these issues. The one remaining NC had to do with what I consider a misinterpretation of the Lifting Standard requirements with regard to sling construction (mechanical splicing with

flemish eye vs. turn back / return loop). I am addressing this issue with the NASA Lifting Devices and Equipment Working Group. More to come.

Although we didn't get written up for the following issues, I think they deserve everyone's attention:

- Uncertified forklift operator about to operate forklift in the VAB.
- Stripped threads on eye bolt in rigging van.
- Ragged sling mixed in with other rigging in use for load testing.

These three issues were discovered by the Lead Auditor from OSMA. All were corrected on the spot, but this leads me to believe that if a guy from HQ can find this kind of stuff on a 4-hour audit, we as a community are not paying enough attention to our own parts of the program.

2. LDEM Responsibilities / Focus: Based on the results of the IFO Audit, senior KSC management decided to break out my responsibilities as LDEM from my position as Shuttle Safety Engineering Supervisor. I requested to remain in the LDEM position and was permitted to focus my full attention on the KSC Lifting Program. In that light, I plan to get "out and about" more often than I was previously able. One of the IFO NCs was that 'LDEM does not spend enough time in the field.' I plan on conducting site visits primarily to increase my level of knowledge in what you all do every day. As I said in the LDE Committee meeting, my intent is not to conduct audits, but to better understand the Lifting Program at KSC and to offer my assistance where you see fit. Also in direct response to the IFO Audit, I plan to conduct regular training and contract reviews as well as trying to devise a comprehensive list of all lifting devices at KSC. I will require help with this and will discuss the project with the right folks at USA, SGS, and Boeing.

My other projects in the near-term include improving the [KSC LDE Website](#) and a total scrub of the SLOAA List which can be found on the website. We recently found a couple SLOAAs which did not get the appropriate coordination during their inception. They have subsequently been cancelled and new SLOAAs have taken their places.

3. NASA-STD-8719.9 Revision: In June, Brad Lytle, Lauren Price, and I attended a three-day revision conference at Goddard Flight Research Center with about 25 other members of the NASA Lifting Community. Although we are nowhere near a final draft for the revision, the conference was extremely productive. We stashed 168 changes to the standard and more importantly, came to consensus on a philosophy shift for how the document is written. Essentially, the shift will produce a smaller NASA Lifting Standard that calls out pertinent requirements from ASME, OSHA, and other regulatory organizations. NASA-specific, "over an above" requirements for critical lifts and other unique operations will remain in the standard. The one major effect of this philosophy shift is that it will drive us to refer to the actual requirements of other standards on a regular basis. You can access (and obtain copies of) almost every pertinent standard through the [NASA Technical Standards Program](#). Check it out, set up an account, and download what you need. I would recommend you start with ASME B30 series standards.
4. KSC LDE Community Webpage Development: Other than the SLOAA scrub, the only other significant addition to the website will be a shared listing of lifting / rigging books and technical publications so we can share the resources we have in our offices. As always, if anyone has an idea of how to make the website better, please call or email.

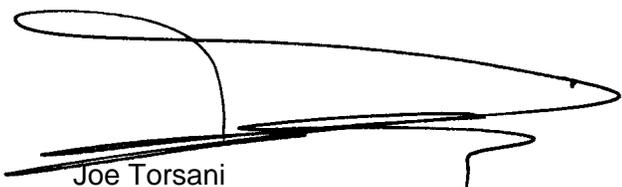
5. Peer Interaction Group (PIG): The LDE Committee discussed the IFO Audit and some of the NCs and unofficial findings which could have been found and remedied by our own folks. One member of the Committee recommended a PIG comprised of different members within the KSC Lifting Community (both NASA and Contractor) to conduct informal, no-threat audits of other KSC lifting operations to find and fix problems before they're discovered on a formal audit. Another benefit of the PIG would be sharing ideas and insight between the different groups within the KSC Lifting Community.
6. Upcoming Crane Conferences: See links below.

NACB Professional Development Conference (13-16 Nov 07) <http://www.cranesafe.com>
Crane & Hoist Conference / Expo (3-5 Dec 07) <http://www.chconference.com>

7. Please Help: I request your assistance with the following issues:

- (See #1 above) Managers, leads, techs, mechanics, and operators—EVERYBODY—Please give your areas of responsibility a good look with regard to finding and removing defective hardware, ensuring only certified operators are operating our LDE, and generally making sure we're all doing things the right way.
- (See #2 above) Please review any SLOAAs which apply to your operations and call me if you find problems.
- (See #4 above) If you have any lifting-specific books, technical pubs, or other resources, please send me the title, date or edition, and your name / phone number for listing on the Shared Lifting Resources Listing to be added to our website.
- (See #5 above) Anyone interested in joining the PIG please shoot me an email or call. Also, if anyone has a better name / acronym for the group I'd be willing to consider another.

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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