

# AVOID VERBAL ORDERS

TO: Distribution March 15, 2006

FROM: SA-B1/J. Torsani

SUBJECT: 3/08/06 KSC Lifting Devices and Equipment Committee Minutes

A KSC Lifting Devices and Equipment (LDE) Committee meeting was held on March 8, 2006, at 2:30 pm, in the Operations Support Building, K6-1096, Room 5308.

## Meeting attendees:

<u>Name</u>	<u>Organization/Mailing Address</u>	<u>Phone</u>
Joe Torsani	SA-B1	1-3806
Malcolm Glenn	SA-B1	1-4128
Andy Knutson	USA-CIO	7-1646
Jim Schilling	SGS Facilities Management	853-3396
Mike Lopez	SGS Heavy Equipment	853-6363
Mike Kelemen	USA Orbiter Handling	1-8294
Sam Talluto	ASRC Mech/Fluids	7-9440
Mark Gross	USK-291	1-5556
Dave McKeny	Wyle Labs-NDE	1-6663
Tom Goodenow	Rocketdyne Safety	1-1693
Garey Hartman	SGS Fixed Cranes	476-3831
Wally Majid	USA Heavy Equipment Engineering	1-5593
Gary Hopkins	USA-DE	1-9479
Sam Zerilli	USA-DE	1-9432
Manuel DeLeon	USK-705	853-2706
John Garrett	USK-291	1-1810
Chris Miller	KSC/LPS/SMA	7-7930
Doug Moore	PH-J2	1-7658
Lauren Price	PH-J2	1-5110
David Diaz	USA-PI	1-7816
Rob Summers	PH-H1	1-3646
Richard Dixon	SGS Cranes/Rigging	794-2441
Dave Panter	Boeing QE	7-1613
Ed McKnight	Boeing Safety	7-5441
Ted Meade	SA-C3	7-6569

Agenda items discussed:

1. Joe Torsani introduced himself-as the new KSC LDEM
2. Everyone at the meeting introduced themselves
3. Safety Message-Joe Torsani
4. Proposed changes to Attachment G (KSC Supplement to NASA-STD-8719.9) of KNPR 8715.3 (KSC Safety Practices Procedural Requirements).
5. NASA-STD-8719.9 Status
6. Lifting standards electronic access
7. Wireless remote control Hydraset
8. VAB 325 ton crane unexplained anomaly
9. Shackles
10. Other topics

Details of some meeting agenda items as noted above and other topics are as follows. For the items below, I have not provided as much detail as was discussed at the meeting and I have not captured all topics discussed at the meeting. If you need more information or have questions about the meeting, please contact me.

1. Proposed Changes to Attachment G of KNPR 8715.3. Proposed changes to Attachment G of KNPR 8715.3, sent out/attached with the email announcing this meeting, were discussed/reviewed. As discussed at the meeting, If you know of items previously documented on memos/AVOs/whatever, that should go in Attachment G, please provide the comments/input to me.

**Action for all:** Please review the proposed changes to Attachment G of KNPR 8715.3, as attached to this email. If you have comments to the proposed changes, or if you know of other changes, **please get comments/input to me by 31 Mar 06.**

Note: I intend to submit a Document Change Request, in pretty short order, to officially update Attachment G of KNPR 8715.3.

2. Wireless Remote Control Hydraset. A project in the LC39 area, to provide a wireless remote control Hydraset, in conjunction with Delmar was summarized and the Operational Readiness Review presentation from that project is attached. This Hydraset was unique, in that, it was not an off-the-shelf buy from Delmar. It was designed to eliminate single failure points.
3. VAB 325 Ton Crane Anomaly. An unexplained anomaly which occurred with the VAB 325 ton crane #2 was discussed. The 'most probable cause' was determined to be 'accidental activation of the cruise control system'. A cover has been installed over the 'cruise start switch' to prevent recurrence. Several documents are attached on this subject for your reading pleasure,

including the presentation to the Shuttle Processing UA Board, the applicable Problem Report disposition and an accompanying Risk Assessment.

4. Shackles. A shackle which failed a proof load test was discussed by Dave Panter with Boeing. The shackle was manufactured in China. The end result of the Boeing investigation was to procure future shackles and similar rigging from Crosby. Mr. Schilling related a similar experience with SGS. And from some number of years previously, USA Heavy Equipment recommended all such hardware be procured from Crosby.

**Action for me:** Provide some guidance on this subject in Attachement G to KNPR 8715.3.

#### Other Items

5. Interstate 70 Mishap. A photo of an accident which occurred on Interstate 70 was shown, where there was not enough clearance between a bridge and a backhoe on a flatbed trailer.
6. Hangar AF Crane Mishap. Garey Hartman summarized two cases of uncommanded movement which occurred with an overhead crane at Hangar AF in the past several weeks.
7. Payload Transporter Problem. An event which occurred with the Payload Transporter in 10/05 was discussed, again, a case of uncommanded movement was experienced. **This cause of this event has been attributed to the Programmable Logic Controller.**
8. Changes to ASTM E1444. Dale McKeny summarized recent changes to ASTM E1444, Standard Practice For Magnetic Particle Testing.

**As noted above, please provide any comments to the proposed changes to Attachment G of KNPR 8715.3 to me by 31 Mar 05.** Please contact me if you have any questions or need assistance. Thanks.

#### Original signed by

Joe Torsani  
KSC Lifting Devices and Equipment Manager