



**MINUTES OF THE CEMA ANNUAL MEETING
UNIT HANDLING SECTION MEETING
Naples Grande Beach Resort, Naples, Florida
Monday, March 12, 2018**

1. Call to order and Introductions
 - a. Chris Glenn called the meeting to order at 9:57 a.m. Introductions were held.
2. Approval of Minutes from September 20, 2017 Meeting
 - a. Minutes were approved.
3. Current Business and Labor Conditions and Outlook
 - a. Members reported on their current business conditions and reviewed current labor trends.
4. Conveyor Chain and Sprocket Section Report (Glenn Spungen)
 - a. Group approved Conveyor Chain Installation, Maintenance, & Best Practices-001 and Technical Report 2018-01, Conveyor Chain Types & Definitions. Worked on sprocket types and definitions draft, this will go back to engineering group for review. Assigned future projects; first one will be Identification of Types of Corrosion Resistance Chain. Bob Callahan elected vice chair.
5. Unit Handling Book (Bob Reinfried)
 - a. Printed 2nd edition in mid-2016. 206 copies were sold, mostly to members, in 2017. 10 copies sold to date in 2018. Total sales over \$45,000 – 10% to reserves to cover future printing costs. Order more and often!
6. Unit Handling Safety Video (Bob Reinfried)
 - a. At the Fall Meeting it was announced the video has been completed. Thanks to Boyce Bonham of Hytrol. Sales have not been as good as anticipated.
7. CEMA Safety Labels (ANSI/ISO Format) – (Bob Reinfried)
 - a. Topic introduced at last meeting; removing writing and standardize towards ISO requirements. Engineering in June will work on this in more detail. This is more informational for the group and to let the member companies' engineer delegates for June know that this will be on the agenda and needs to be addressed. May opt to create two labels for a time period– old one and new one. Has not been decided, but is an idea. This is a big revenue producer for CEMA – more than 1 million labels per year – hot topic.
8. New Business
 - a. Membership and Marketing (Mike Mitchell) – The group will be challenged at the Engineering conference to create additional white papers to brand and project

CEMA as the technical experts for unit handling. First safety white paper was released first week of March 2018 – this is 1 of 6 that will be put out over next 6 months. Would like everyone's support if approached to assist with creating one.

9. Next Meeting of the Section

- a. September 19, 2018 at Hilton Chicago O'Hare Airport, Chicago, IL

10. Adjournment

- a. Adjourned at 10:44 a.m.

Respectfully Submitted,

Chris Glenn, Hytrol, Chair

Tamara Wilson, Bryant, Vice Chair/Secretary



MINUTES OF THE CEMA ENGINEERING CONFERENCE UNIT HANDLING SECTION MEETING Tuesday, June 26, 2018

1. Call to order
Section Chair, Ron Wagner, Honeywell Intelligrated, Inc.; called the meeting to order at 8:05 am.
2. The committee purpose was read.
3. An attendance sheet was circulated (attached).
4. The current agenda was approved.
5. Minutes from the June 27, 2017 were reviewed and approved.
6. Old Business.
 - a) **CEMA Standards for Unit Handling.**
 1. ANSI/CEMA Std. No. 102 Conveyor Terms & Definitions – Status update from the sub-committee and Bulk Handling group inputs.
 - Two (2) separate groups were working to provide review and inputs. The groups are consolidated to one (1) working group with Boyce Bonham, Hytrol Conveyor Co., Inc.; Ken Soldan, Wynright, Daifuku North America; and Dan Modzeleski, Dematic.
 - Naylu received inputs from Joe Pahlow, Arrowhead Conveyor Corporation; previously and is coordinating the inputs from all into the final document. Naylu provided input for term combining and appendix relevance, which will be reviewed by the group.
 - The group agreed to a **December 2018** deadline for completion. Bulk has assigned resources to review.
 2. CEMA 401 – 2003 (R2015) Roller Conveyors (Dan Modzeleski)
 - No content changes required
 3. CEMA 402 – 2003 (R2015) Belt Conveyors (Ron Wagner)
 - No content changes required
 4. CEMA 403 – 2003 (R2015) Belt Driven Live Roller Conveyors (Boyce Bonham)
 - No content changes required
 5. CEMA 404 – 2003 (R2015) Chain Driven Live Roller Conveyors (Mitch Smith)
 - Change the assigned steward from Brandy Lloyd to Mitch Smith, Hytrol Conveyor Co., Inc.
 6. CEMA 405 – 2003 (R2015) Slat Conveyors (Boyce Bonham)
 - No content changes required
 7. CEMA 406 – 2003 (R2015) Line Shaft Driven Conveyors (Mitch Smith)
 - Change the assigned steward from Brandy Lloyd to Mitch Smith, Hytrol

Conveyor Co., Inc.

8. CEMA 407 – 2015 Motor Driven Live Roller Conveyors (Randy Carlson)

- No content changes required

9. CEMA 601 – 1995 Overhead Trolley Conveyors (Mike Wohletz)

- See New Business section

b) **Review documented Manufactures of equipment relative to each standard**

1. CEMA 401 – Dematic, Honeywell Intelligrated Inc., Hytrol Conveyor Co., Inc.; and Arrowhead Conveyor Corporation

- Add Wynright, Daifuku North America; Bastian Solutions and INTERROLL Corporation.

2. CEMA 402 – Honeywell Intelligrated Inc., Dematic, Hytrol Conveyor Co., Inc.; Transnorm System, Inc., INTERROLL Corporation, Arrowhead Conveyor Corporation, Bunting Magnetics Co., and Talos Engineered Products, LLC.

- Add Wynright, Daifuku North America and Bastian Solutions.

3. CEMA 403 – Honeywell Intelligrated Inc., Dematic, and Hytrol Conveyor Co., Inc.

- Add Arrowhead Conveyor Corporation; Wynright, Daifuku North America and Bastian Solutions.

4. CEMA 404 – Dematic, Honeywell Intelligrated Inc., Hytrol Conveyor Co., Inc.; and Arrowhead Conveyor Corporation.

- No changes.

5. CEMA 405 – Dematic, Honeywell Intelligrated Inc., and Hytrol Conveyor Co.

- Add Wynright, Daifuku North America; Bastian Solutions and INTERROLL Corporation.

6. CEMA 406 – Dematic, Honeywell Intelligrated Inc., and Hytrol Conveyor Co.

- No changes.

7. CEMA 407 – Dematic, Honeywell Intelligrated Inc., Hytrol Conveyor Co., and Wynright, Daifuku North America.

- Add INTERROLL Corporation, Bastian Solutions and Itoh Denki USA, Inc.

8. CEMA 601 – Companies involved?

- Add Automatic Systems, Inc.

c) **CEMA Unit Safety Video – Status, inventory and sales**

Reported the sales number as 82 in 2018 as shown in minutes from Annual Meeting. No other discussion.

d) **CEMA Application Guide for Unit Handling Conveyors, 2nd Edition - Status, inventory and sales**

- 24 sold YTD. 43 in inventory. 656 of 2nd edition sold of PDF and hardcopy.
- Discussion of lower than expected sales occurred. Action item to have Marketing committee review concern. The marketing committee was to be engaged to see if there are any other ideas to help drive sales.

e) **Industry Standard Updates**

- NFPA79 - Bill Brungs, Honeywell Intelligrated Inc.; provided update relative to NFPA79. Current edition is 2018 and the next release, 2021 is open for public input now. He asked for more companies to try to provide input and join the technical committee to have higher representation from our industry.

f) **MDR Safety Review Committee**

Sub-Committee: Dan Modzeleski, Dematic; Ron Wagner, Honeywell Intelligrated Inc.; Donald Erickson, Wynright, Daifuku North America; Rodney Mishmash, INTERROLL

Corporation.

- Chairman Randy Carlson was not in attendance. Ron Wagner read through summary provided by sub-committee.
 - The Unit Handling committee agrees that the work should continue by the sub-committee with the following inputs and goals:
 - Standardize the measurement method of testing/validation
 - Sub-committee companies to conclude testing with device created by Dematic
 - Review ISO/PDTS 15066, collaborative robot standard for any applicable information to forces or safety
 - Review label placement recommendations
 - Add Troy Uahinui, Honeywell Intelligrated Inc. and Boyce Bonham, Hytrol Conveyor Co., Inc. to committee communications.
- g) **The Current Technology and Codes Associated to Motors** – Presentation by Charlie Ritinski, Jim Alt and Stephanie Berry.
- Tim Schumann, SEW-Eurodrive, Inc.; provided the presentation “Improving Efficiency with Technology and Standards” to the committee (Attached).
- h) **Additional Conveyor Products under review for CEMA Standards – Updates**
1. Extendible Conveyors
Sub-Committee: Mike Hake, Transnorm System, Inc.; will lead with assistance of Dan Modzeleski, Dematic; Bart Natoli, Habasit America; and Patrick Cucco, Ashland Conveyor Products.
 - No work occurred, but committee agreed to continue review.
 2. Loop Sorters
Sub-Committee: Rodney Mishmash, INTERROLL Corporation; will lead the investigation with assistance of Shawn Grubb, Honeywell Intelligrated Inc.; and Randy Carlson, Dematic.
 - No work occurred, but committee agreed to continue review.
7. Election of a 2nd Vice Chair for Engineering Conference for the Unit Handling Section.
- Rodney Mishmash, INTERROLL Corporation; was elected as the UH Committee representative as 2nd Vice Chair of the 2019 CEMA Engineering Conference.
 - Rodney will also become the Unit Handling Section Vice Chair and move into the Chair position in 2021.
8. New Business
- a) **Submit CEMA Std. No. 407 to consensus for ANSI Certification.**
 - The section voted and approved the submission of the CEMA Std. 407 to ANSI.
 - b) **CEMA Std. 601 – Review Proposal.**
 - Mike Wohletz, Automatic Systems, Inc.; will lead review of 601 in cooperation with Naylu.
 - Mike will confirm that Std. 601 compares with information that is in Unit Handling book.
 - Question brought forth if standard should still exist separate from book.
 - Ken Soldan, Wynright, Daifuku North America; to reach out to Jervis B Webb to see if any assistance is available.

- Mike to provide recommendation of actions by October 1,2018.
- c) **CEMA Whitepaper – Volunteers needed.**
 - The motor presentation given was proposed to be turned into a whitepaper. Jim Alt, NORD Drivesystems to coordinate.
 - Another suggestion of IOT/Industry 4.0 whitepaper was presented. Another suggestion of IOT/Industry 4.0 whitepaper was presented. Charlie Ritinski, Sumitomo Machinery Corp. of America; will lead with Jim Alt, NORD Drivesystems and Mike Stegmann, Boston Gear.

9. Next Meeting – June 25, 2019, La Playa Hotel, Naples, FL.

10. The meeting was adjourned at 11:45 am.

Respectfully submitted,
Ron Wagner, Chair