



**2023 CEMA FALL ENGINEERING CONFERENCE
BULK CONVEYOR ACCESSORIES COMMITTEE MEETING**

Microsoft Teams Webinar

Monday, November 6, 2023 – 1:00 pm

AGENDA

1. Call to order.
2. Attendance and Introductions.
3. Approval of Minutes of June 13, 2023 (Attached)
4. New Business

a) **Belt Tracking and Training Devices Technical Document** – Updates

Subcommittee: Jim Masek, PPI, and Geoff Stoll, Richwood; Benji Brewer, Douglas Manufacturing Co., Inc.

This technical document presents CEMA Recommendations and types of training devices based on the guidelines detailed in Chapter 5 on belt alignment and Chapter 12 on proper belt loading in the belt book to determine the root cause of the belt misalignment should correct many issues with belt tracking.

The document was sent for approval to the CEMA's Official Representatives (ORs), and some objections and comments were received and discussed during this meeting. A new bullet item will be added under the "CEMA Recommendation" Section to use alignment sensors as a detection of the failure of a belt alignment device.

Some wording or rewording of the statement regarding skewing or knocking of idlers is not effective because, in other places in the Belt Book, we refer to this as being effective. The subcommittee would update the document and resubmit it for approval.

b) **Discrepancies in the 7th Edition CEMA's Belt Book when Recommending Training Idler Spacing** – Updates.

Subcommittee: Jim Masek, PPI; Benji Brewer, Douglas Manufacturing Co., Inc.; Paul Schmidgall, Superior Industries, Inc.; Geoff Stoll, Richwood.

There have been some inconsistencies regarding the spacing of training idlers. These discrepancies represent changes in the CEMA Belt Book.

The document is ready and will be added to the review of Chapters 5, 6, 10, 11, and



Appendix D for the CEMA Belt Book, 8th Edition.

A comment was made that inverted-V returns can cause cupping of the belt. This would be investigated further by the subcommittee, and they would provide their feedback at this meeting.

c) **CEMA White Paper** – Updates

- The Influence of High-Speed Belts on Components – Updates.

Volunteer: Laura Hoggan, Rema Tip Top N/A; assisted by Brett DeVries, FLEXCO; Allen Reicks, Overland Conveyor Co., Inc.; Geoff Stoll & Scott Smith, Richwood.

a) **CEMA Belt Book, 8th Edition – Chapter 11 “Belt Cleaners and Accessories** – Updates.

More volunteers are needed.

Subcommittee: Benji Brewer, Douglas Manufacturing Co., Inc.; Andrew Timmerman, Martin Engineering Company, and Geoff Stoll, Richwood.

This committee asked to review/rewrite the current chapter and the comments and errata received after the second printing of the book.

5. Election of a Vice-Chair.

6. New Business.

7. Next Meeting – June 11, 2024, Naples Grande Beach Resort, Naples, FL.

8. Adjourn.

Geoff Stoll, Chair



**2023 CEMA ENGINEERING CONFERENCE
BULK CONVEYOR ACCESSORIES COMMITTEE MEETING**

Naples Grande Beach Resort, Naples, FL
Tuesday, June 13, 2023

MINUTES

1. Call to order.
Jim Masek, PPI; Acting Chair, called the meeting to order at 1:03 pm.
2. Attendance and Introductions – Roll call attached.
3. Approval of Minutes of November 7, 2022 – Minutes were approved.
4. Old business
 - a) **Skirtboard Sealing Best Practices** – Updates.
The purpose of this document was to provide instructions for specifying skirtboard systems for new conveyors during the design process.

The skirtboard best practices morphed into the CEMA's System Mistracking Allowance Guide (CEMA Guide 01 - 2023). The guide is complete and available for download on the CEMA's website. This item will be removed from the next agenda.

- b) **Belt Tracking and Training Devices Technical Document** – Updates
Subcommittee: Jim Masek, PPI, and Geoff Stoll, Richwood.

This technical document presents CEMA Recommendations and types of training devices based on the guidelines detailed in Chapter 5 on belt alignment and Chapter 12 on proper belt loading in the belt book to determine the root cause of the belt misalignment should correct many issues with belt tracking.

The document was sent for approval to the CEMA's Official Representatives (ORs), and some objections and comments were received and discussed during this meeting. A new bullet item will be added under the "CEMA Recommendation" Section to use alignment sensors as a detection of the failure of a belt alignment device. And some wording or rewording of the statement regarding skewing or knocking of idlers is not effective, because in other places in the Belt Book, we refer to this as being effective.

The subcommittee will update the document and resubmit it for approval. Add Benji Brewer, Douglas Manufacturing Co., Inc. to this subcommittee.



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c) **Discrepancies in the 7th Edition CEMA's Belt Book when Recommending Training Idler Spacing** – Updates.

Subcommittee: Jim Masek, PPI; Benji Brewer, Douglas Manufacturing Co., Inc; Paul Schmidgall, Superior Industries, Inc.; Geoff Stoll, Richwood.

There have been some inconsistencies regarding the spacing of training idlers. These discrepancies represent changes in the CEMA Belt Book. The document is ready and will be added to the review of Chapters 5, 6, 10, 11, and Appendix D for the CEMA Belt Book, 8th Edition.

A comment was made that inverted-V returns can cause cupping of the belt. This will be investigated further by the subcommittee and provide their feedback at the 2023 CEMA Fall Engineering Conference.

d) **CEMA White Paper** – Updates

- The Influence of High-Speed Belts on Components – Updates

Volunteer: Laura Hoggan, Rema Tip Top N/A; assisted by Brett DeVries, FLEXCO; Allen Reicks, Overland Conveyor Co., Inc.; Geoff Stoll & Scott Smith, Richwood.

The white paper was 90% complete. It should be completed within the next month or so.

5. Election of a Vice Chair – **Laura Hoggan, REMA Tip Top N/A** was elected as a Vice Chair.

6. New Business.

- a) **CEMA Belt Conveyor for Bulk Materials book, 8th Edition** – Volunteers needed.

This committee asked to review/rewrite Chapter 11 “Belt Cleaners and Accessories”. A subcommittee was created to review this chapter: Jim Masek, PPI (Chair); Laura Hoggan, Rema Tip Top N/A; Benji Brewer, Douglas Manufacturing Co., Inc; and Andrew Timmerman, Martin Engineering Company.

7. Next Meeting – November 6, 2023, Virtual CEMA Fall Engineering Conference.

8. The meeting was adjourned at 1:25 pm.

Jim Masek, Acting Chair