



Conveyor Equipment Manufacturers Association

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2021 CEMA VIRTUAL FALL ENGINEERING CONFERENCE JOINT SCREW CONVEYOR AND BUCKET ELEVATOR COMMITTEES MEETING

Monday, November 8, 2021

MINUTES

1. Call to order
Steve Boudreau, Screw Conveyor Corp., chair; called the meeting to order at 10:05 am
2. Attendance and Introductions – Via virtual registration (roll call attached)
3. Approval of Minutes of June 14, 2021 – Minutes were approved
4. Old Business
 - a) **ANSI/CEMA Standard No. 102** – Updates
Subcommittee: R. Todd Swinderman, RToddS Engineering LLC; Dan Modzeleski, Dematic; Hans Rodgers, SEW – Eurodrive; Clifton Rodgers, Honeywell Intelligrated.
The standard was approved with comments by ORs. The comments were sent back to the subcommittee for them to review, then it will be sent back for approval, then on to the ANSI review process. It will be back to CEMA by November 12, 2021.
 - b) **Inclined and Vertical Screw Conveyor Best Practices** – Updates.
Document was approved and will be published at end of year.
 - c) **'CEMA Bucket Elevator Book Best Practices in Design' Chapter 4 Final Review** – Updates
Completed chapter will be sent to CEMA next week sometime and then book will be prepped and sent to publisher, target date of mid-February for it to be back in inventory.
 - d) **Bucket Elevator Installation and Operation Manual (IOM)** – Updates.
Subcommittee: Roger Bruere, 4B Components (chair); Steve Boudreau, Screw Conveyor Corp.; Trevin Berger, Martin Sprocket & Gear; Bill Mecke & Jacob Rider, KWS Manufacturing Company.
IOM draft 1 will be sent to the subcommittee members. They will be ready to discuss at the 2022 CEMA Engineering Conference. Should the IOM be included in the new 2nd Edition of Bucket Elevator Book?
 - e) **Bucket Elevator Book, Proposed New Chapters for 2nd Edition** (Troubleshooting” and “Drive Arrangements”) – No Updates.
Subcommittee: Steve Boudreau, Screw Conveyor Corp. (chair); Trevin Berger, Martin Sprocket & Gear; Paul Wehrle, Woodex/Meco Seal; Charlie Ritinski, Sumitomo Machinery Corporation of America; Hani Almoghrabi, Nord Drivesystems
Zac Amos, Dodge Mechanical Power Transmission Company Inc.; wants to join subcommittee
 - f) **White Paper OSHA 1910 – Ladder Fall Protection** – Updates.
Committee decided since permissions cannot be granted, they want to move forward

without graphics and get it published. Graphics will be removed and be ready for end of year.

- g) **Bucket Elevator Explosive or Flammable Material** (Collaborate with Bulk Handling Section & Bulk Safety Subcommittee on adding information regarding bucket elevators) - No Updates.

The committee agreed to review the document. It will be sent to the section for review. Steve Boudreau considered that perhaps we need to keep a section for a few applications for the bucket elevator, i.e., plastic, etc.

- h) **ANSI/CEMA Standard No 300** – Update tables to reflect 3-15/16” diameter, 4-7/16” diameter, 4-15/16” diameter shaft components and 30” diameter & 36” diameter screw components. It was proposed to work on max RPM and UHMW and synthetic bearing materials. “Bigger diameter, slower allowable RPM”. Working on pressure vs. velocity tables for bearings.

A subcommittee was created to work on this topic: Steve Boudreau, Screw Conveyor Corp.; Trevin Berger, Martin Sprocket & Gear; Jacob Rider, KWS Manufacturing Company.

They agreed maybe setup a virtual call and believe this project needs to be done.

- i) **Drag Conveyor “Best Practice” Book/Manual** (Similar to Bucket Elevator project) – Volunteers needed. Perhaps some collaboration with Chain and Sprocket Section.

Some committee members suggested this project be put on the back burner until a discussion can be held with the chain/sprocket chairs as they are working on a drag chain project as well. It was discussed that this project should stay within Screw/BE as the chain/sprocket are a small part of the Drag conveyor.

- j) **Shoots and Transfer Transitions** (Best Practices and Design) – Volunteers needed. Tabled until 2022 CEMA Engineering Conference.

5. New Business– No new business discussed

6. Next Meeting – June 14, 2022, at La Playa Beach & Golf Resort, Naples, FL

7. The meeting was adjourned at 11:00 am

Steve Boudreau, Chair (Screw Conveyor)
Jacob Rider, Vice-Chair (Screw Conveyor)
Trevin Berger, Chair (Bucket Elevator)

2021 CEMA VIRTUAL FALL ENGINEERING CONFERENCE - JT. SCREW AND BUCKET ELEVATOR COMMITTEES MEETING - Roll Call

Attendance Count	Event Name	First Name	Last Name	Email	Title	Company	Phone	Country/Region
1	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Zack	Amos	zamos@dodgeindustrial.com	Application Engineer	Dodge Industrial	1-8642812162	United States of America
2	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Trevin	Berger	tberger@martinsprocket.com	Mgr., Material Handling Sales	Martin Sprocket & Gear	1-16103905829	United States of America
3	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Steve	Boudreau	sboudreau@screwconveyor.com	Engineer	700 Hoffman Street	1-2199311450	United States of America
4	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Benjamin	Brewer	bbrewer@douglasmanufacturing.com	Chief Engineer	Douglas Manufacturing	1-12058841200	United States of America
5	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Chad	Brown	cbrown@dodgeindustrial.com	AE Manager	Dodge Industrial	1-8642526195	United States of America
6	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Roger	Bruere	rbruere@go4b.com	VP Material Handling	4B Components, Ltd.	1-3096985611	United States of America
7	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Fritz	Egger	fritz.egger@spirac.com	General Manager	SPIRAC (USA) Inc.	1-7706329833	United States of America
8	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Naylu	Garces	naylu@cemanet.org	Engineering Manager	CEMA	1-2392608009	United States of America
9	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Kimberly	MaLaren	kim@cemanet.org	Mgr. Marketing/Membership	CEMA	1-2392608406	United States of America
10	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Muhammed	Malik	muhammed@luffindustries.com	Mechanical Engineer	Luff Industries Ltd.	1-4032793555	Canada
11	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Jacob	Rider	jrider@kwsmsg.com	Engineering Manager	KWS Manufacturing	1-8005436558	United States of America
12	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Charlie	Ritinski	charlie.ritinski@shi-g.com	chief product & innovation manager	Sumitomo Machinery of Americas	1-7576798253	United States of America
13	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Paul	Schmidgall	p.schmidgall@superior-ind.com	Chief Engineer	Superior Industries	1-6514706441	United States of America
14	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Richard	Tomlinson	rich@luffindustries.com	Supervisor	Luff Industries LTD	1-403-279-3555	Canada
15	2021 CEMA Fall Engineering Conference - Jt. Screw and Bucket Elevator Committees	Akiko	Wakatsuki	akiko.wakatsuki@fennerdunlop.com	Sr Manager	Fenner Dunlop	1-4803342115	United States of America