

## RCSC Annual Meeting

Wednesday and Thursday, June 10-11, 2020 – Virtual Meeting via WebEx

### Draft Meeting Minutes

1. 8:02 am Welcome - Call to order (S. Brahim)
2. Welcome and Introductions (S. Brahim)
  - a. Opening comments (S. Brahim)
  - b. Establishment of virtual meeting rules and process (R. Jordan)
  - c. Voter designation and identification with sample poll
  - d. Quorum established (J. McGormley)
3. Approval of the Meeting Agenda (S. Brahim)
  - a. Motion: *Approve 2020 meeting agenda* - S. Brahim, 2nd J. McGormley; Passed
4. Approval June 2019 Annual Meeting minutes (S. Brahim)
  - a. Motion: *Approve June 7, 2019 minutes with a correction to the Table 1 voting results by changing the abstention in Motion 1 to a negative vote* - S. Brahim, 2nd J. McGormley; Passed
5. Chairperson's Report (S. Brahim)
  - a. Executive Committee Report
    - i. Multiple meetings have been held since March to prepare for the virtual meeting. In addition, Task Group chairs and their committees have been working hard in advance of this meeting.
  - b. Nominating Committee – S. Brahim (Chair, 2<sup>nd</sup> 2-yr term), B. Shaw (Vice-Chair, 2<sup>nd</sup> 2-yr term), J. McGormley (Sec/Trea., 2<sup>nd</sup> 2-yr term), T. Anderson (Director, 2<sup>nd</sup> 3-yr term), T. Schlafly (Director, 2<sup>nd</sup> 3-yr term) were all re-elected.
  - c. Nominating Committee - J. Swanson was inadvertently reelected last year to a 4<sup>th</sup> term as Director. J. Swanson resigned and GA Rassati was appointed to complete balance of the term ending 2022.
  - d. Liaison Report – Many organizations have not met or have delayed meetings due to COVID-19.
6. Secretary/Treasurer's Report (J. McGormley)
  - a. Membership
    - i. Current Council roster consists of 76 members. Four new member were added with thirteen departing members from the Council. (see attached membership summary)
    - ii. C. Curven requested that membership classifications be reviewed. S. Brahim indicated that Exec. has been reviewing membership classifications for consistency.
  - b. Financials:
    - i. Financial results for 2019 presented (see attached financial summary). L. Kruth noted that RCSC was able to cancel its 2019 reservations with penalty.
    - ii. Motion: *Approve 2019 Financials* – J. McGormley 2nd T. Anderson; Passed

7. Other Committee Activities
  - a. Spending Committee Report (T. Ude)
    - i. Research funding poll results presented.
    - ii. Discussion on site pre-installation verification testing.
  - b. Editorial Committee Report (T. Schlafly)
    - i. Significant level of effort required to assemble new specification within the timeframe remaining.
8. Old Business (S. Brahim)
  - a. Bylaw update – work needs to be done.
9. Next Meeting (S. Brahim)
  - a. June 2021 – Chicago, June 8, 9 & 10. Approved
10. Specifications Committee (L. Kruth)
  - c. Thank you to GA Rassati for all his efforts compiling the ballots and ballot results.
  - d. All TGs met and completed resolution of negative comments where possible.
  - e. Voting procedure:
    - i. Previously approved ballot items to be accepted per Bylaws at Annual Meeting by 3/4 of eligible members in attendance.
    - ii. Voting threshold will also apply to modifications to balloted items to address negatives presented by Task Groups.
    - iii. New Specification proposals will be addressed under New Business
  - f. Completed electronic voting. Refer to Table of Motions for ballot results
    - i. TG1 – Motions 1-5 (2 floor motions)
    - ii. TG2 – Motions 6-11
    - iii. TG3 – Motions 12-14
11. Meeting Adjourn – 5:05 pm
12. Day 2 – Thursday, June 11, 2020: Meeting resume 8:00 am
13. Specifications Committee (L. Kruth)
  - a. Completed electronic voting. Refer to Table of Motions for ballot results
    - i. TG3 – Motions 15
    - ii. TG2 – Motions 16-18
    - iii. TG4 – Motions 24-45
    - iv. TG5 – Motion 51
14. New Business
  - a. Completed electronic voting. Refer to Table of Motions for ballot results
    - i. TG1 – Motions 52-53
    - ii. TG3 – Motions 54-55
    - iii. TG4 – Motion 56
    - iv. Motion 57 – Adopt Specification
  - b. Revised drafts plus TG4 motions to be sent to Editorial
15. Closing Comments (S. Brahim)

16. Adjourn Meeting – 3:45 pm

**Prepared by: Jonathan C. McGormley, RCSC Secretary**

First	Last	Company	Street/POB	City/ST/Zip	Country	Phone	Fax	E-mail	Group	Voting Member
Toby	Anderson	Bay Bolt	4610 Matat Street	Oakland, CA 94601		510-532-1188	510-532-3947	taybolt@pacbell.net	Producer	Yes
Rodney L.	Baxter	Thornton Tomasetti	330 N. Wabash Ave. Suite 1500	Chicago, IL 60611		312-596-2218	312-596-2001	rbaxter@thorntonomasetti.com; LoneTreeStudios@hotmail.com	General Interest	Yes
Jason	Bell	Arcoesa Traffic Structures	1749 CR 525 E	Sumterville, FL 33585		352-643-7033 o 813-469-0609 c		Jason.Bell@arcoesa.com	User	Yes
Peter C.	Birkmore	University of Toronto	19 Tetterhall Rd.	Toronto, Ontario M5S 1A4	Canada	416-232-2330		peter.birkmore@utoronto.ca	Life Member	Yes
David	Boggy	Ingenium Professional Services, Inc	136 S. Illinois Ave.	Oak Ridge, TN 37830		865-272-3213 (office) 865-621-8049 (cell)		dboggy@att.net	General Interest	Yes
David	Bornstein	Skidmore Wilhelm	30340 Solon Industrial Pkwy	Solon, OH 44139		216-481-4774	216-481-2427	dbornstein@skidmore-wilhelm.com	General Interest	No
Salim	Brahimi	Industrial Fasteners, Institute (IFI)	6363 Oak Tree Blvd.	Independence, OH 44131-2500		514-944-3358		sbrahimi@infast.org; salimbrahimi@ibeca.ca	Association	Yes
Rich	Brown	Consultant	618 High Pointe Circle	Langhorne, PA 17041		215-431-7028		rcbrown@verizon.net	General Interest	Yes
Garrath O.	Bryne	Consultant	385 Colver Drive	Lancaster, PA 17601		717-560-1971		garrathbryne@gmail.com	General Interest	Yes
Chad T.	Casero	Shawna USA Civil Northeast	76-20 Astoria Blvd., Suite 200	East Elmhurst, NY 11370		718-473-4509		Chad.Casero@casero.com	General Interest	Yes
Derrick	Castle	The Sherwin Williams Company	1834 Clintonville Road	Paris, KY 40361		913-481-0612		Derrick.Castle@sherwin.com	Producer	Yes
Jason	Chadee	Joint Apprentice Committee Ironworkers Locals 40	3523 36th Street	Astoria, New York 11106		347-992-4938		jchadee@nyironworkers.org	General Interest	Yes
Helen	Chen	American Iron and Steel Institute	1140 Connecticut Avenue, NW	Washington, D.C. 20036		202-452-1134		hchen@steel.org; hllis@steel.org	Association	Yes
Robert J.	Connor	Purdue University	550 Stadium Mall Drive	West Lafayette, IN 47907-2051		765-496-8272	765-494-9886	rconnor@purdue.edu	General Interest	Yes
Basilean	Cornelissen	Spectrum Forensics LLC	3773 S. Jason St. #2	Englewood, CO 80110		303-503-0411		basilean@spectrumflc-co.com	General Interest	Yes
Curven	Cris	Applied Bolting Technology	1413 Rockingham Road	Bellows Falls, VT 05101		802-460-3100		curven@appliedbolting.com	Producer	No
Nick E.	Deal	Worth House of Threads Inc.	144 Industrial Drive	Birmingham, AL 35211		205-616-5734		ndeal@houseofthreads.com	Distributor	Yes
Douglas B.	Ferrell	Ferrell Engineering, Inc.	15 Southlake Lane, #300	Birmingham, AL 35244		205-879-2036	205-879-5642	douglas.ferrell@ferrellengineering.com	General Interest	Yes
John W.	Fisher	Lehigh University - ATLS Center		Austin, TX 78759		512-633-7544		lwf2@lehigh.edu	Life Member	Yes
Karl H.	Frank	NSBA	6005 Ivy Hills Drive	Austin, TX 78759		512-633-7544		karl.frank@engr.utexas.edu	Association	Yes
Michael C.	Garrell	NSBA	130 E. Randolph Street, Suite 2000	Chicago, IL 60601		215-537-8700	215-537-5569	mcgarrell@nsba.org	Producer	Yes
Christopher	Garrell	NSBA	130 E. Randolph Street, Suite 2000	Chicago, IL 60601		494-557-2949		garrell@nsba.org	Non-Member	No
Albert	Gelles	Doerken Corporation	P.O. Box 429	Grass Lake, MI 49420				agelles@doerkenusa.com; kanderson@dorkenusa.com	Producer	Yes
Bill	Germuaa	St. Louis Screw & Bolt	2000 Access Blvd	Madison, IL 62060		314-389-7500	314-389-7510	billg@stlouisscrewbolt.com	Producer	Yes
Rodney D.	Gibble	Rodney D. Gibble Consulting Engineers	19 West 21st Street, #501	New York, NY 10011		212-989-2853	212-989-4017	rgibble@rdgeniners.com	General Interest	Yes
Phillip A.	Goldsby	Smith L&Salle, Inc.	1019 Goldsmth Ln.	Durham, NC 27713		919-669-3794		pgoldsby@smithlalls.com	General Interest	Yes
Brian	Goldsmyth	Skidmore Wilhelm	30340 Solon Industrial Pkwy	Solon, OH 44139		216-481-4774 ext. 107		bgoldsmyth@skidmore-wilhelm.com	Producer	Yes
Matthew	Haakmsa	Orange County Ironworks, LLC	36 Maybrook Road	Montgomery, AL 36119		845-787-6926		matthew@ocille.com	General Interest	Yes
Jerome F.	Hajjar	Northeastern University, Department of Civil and En	400 Snell Engineering Center, 360 Huntri	Boston, MA 02115		617-373-3242	617-373-4419	j.f.hajjar@northeastern.edu	General Interest	Yes
Robert A.	Hav III	Construction Services of Illinois	23007 Lakeview Estates Blvd	Frankfort, IL 60423		815-534-5369 o 312-254-7042 c		robertahav3@gmail.com	General Interest	Yes
Charles J.	Kanapicki	Infastorou/Infasco/DSI	1066 Westridge Drive	Napa, CA 94558				ckanapicki@sbccolab.net	General Interest	Yes
Peter F.	Kasser	Infastorou/Infasco/DSI	P.O. Box 1452	Albans, VT 05478		802-527-0341	802-527-1087	pkasser@infastorou.com	Producer	Yes
Daniel J.	Kaufman	QMC	545 4th Street	Lemont, IL 60439		312-870-7523		dkaufm2@gmail.com	General Interest	Yes
James S.	Kennedy	Consultant	4701 Fall Creek Drive	San Angelo, TX 76904-7014		325-227-9880		jskthc@aol.com	General Interest	Yes
Lawrence	Kruth	AISC	130 East Randolph - Suite 2000	Chicago, IL 60601		517-282-5058 (cell); 312-670-2400 (wk)		kruth@aisc.org	Association	No
Thomas J.	Langill	American Galvanizers Association	6881 S. Holly Circle, Suite 108	Centennial, CO 80112		720-361-4486	720-554-0909	technical@galvanizeit.org; alanahochstein@gmail.com; tlangill@galvanizeit.org	Association	Yes
Chad M.	Larson	LaJeune Bolt Company	3590 West Highway 13	Burnsville, MN 55337-1795		952-890-7700	952-890-3544	clarson@lejeunebolt.com	Distributor	Yes
Bill R.	Lindley II	W W Steel, LLC	1730 West Reno	Oklahoma City, OK 73106-3299		405-297-7541	405-236-4942	brlindley@wsteel.com	User	Yes
Donald	Livi	Livi Steel, Inc.	1245 Burton Street, S.E.	Warren, OH 44484		330-373-1181	330-392-5815	donald@livisteel.com	Non-Member	No
Mike	Marian	PV Steel	501 Ave H	Carter Lake, IA 51510				mmarian@pvsteel.com	User	Yes
John "Chris"	Marvin	Cives Steel Company	3700 Mansell Road, Suite 500	Alpharetta, GA 30022		678-287-3247		cmarvin@cives.com	User	Yes
Curtis L.	Mayes	Stanley D. Lindsey & Assoc.	2300 Windy Ridge Pkwy SE, Suite 675 S	Atlanta, GA 30339		770-850-1347 ext 116		cmayes@sdllai.com	General Interest	Yes
Carly	McGee	KTA-Tator, Inc.	115 Technology Drive	Pittsburgh, PA 15275		412-788-1300	412-788-1306	cmcgee@kta.com	User	Yes
Jonathan C.	McGormley	Wiss, Janney, Elstner Assoc.	330 Ptingsten Road	Northbrook, IL 60062-2095		847-272-7400	847-291-4813	jmcgormley@wja.com	General Interest	Yes
Ronnie	Medlock	Hight Steel Structures, LLC	1915 Old Philadelphia Pike	Lancaster, PA 17602		717-209-4647	717-293-4061	rmedlock@high.net	User	Yes
Jinesh K.	Mehta	Alta Vista Solutions	4862 Corsica Dr.	Cypress, CA 90630		510-594-0510		jineshmehta@gmail.com	General Interest	Yes
Heath E.	Mitchell	G.W.Y., LLC	POBox 293	Greenfield, NH 03047-0182				heath@gwinc.com	Distributor	Yes
Thomas M.	Murray	Virginia Tech.	537 Wisteria Drive	Radford, VA 24141		540-731-3330		thmurray@vt.edu	General Interest	Yes
James	Nesley	Walsh Group	929 West Adams St.	Chicago, IL 60607				jnesley@walshgroup.com	User	Yes
Christian	Noveral	Walt Disney World	7626 Cowan Ct.	Orlando, FL 32825		610-356-6429		chris.noveral@gmail.com	General Interest	Yes
Justin	Ocel	Federal Highway Administration		GrandRapids, MI 49512		616-608-0515; 616-915-0147		justin.ocel@dot.gov	General Interest	Yes
Sarah	Othof	GPI Laboratories, Inc.	4403 Donker Court S.E.	GrandRapids, MI 49512		616-608-0515; 616-915-0147		sarth.othof@gmail.com	General Interest	Yes
Anna	Petroski	DOTOS	728 W. Jackson Blvd, Suite 1002	Chicago, IL 60661-5477		312-285-5344		a.petroski@dotos.com	General Interest	Yes
Brad	Porter	Birmingham Fastener	931 Avenue W	Birmingham, AL 35214		205-595-3511	205-591-0244	bradporter@bellefonte.net	Producer	Yes
Gian A.	Rassati	University of Cincinnati	765 Baldwin Hall	Cincinnati, OH 45221-0071		513-556-3698	513-556-2599	gian.rassati@uc.edu	General Interest	Yes
Randy	Reagan	HYTORC	333 Rt. 17, North	Marwah, NJ 07430		201-512-9500		rreagan@hvtorc.com	Producer	Yes
Jordan	Richardson	Applied Bolting Technology	1413 Rockingham Road	Bellows Falls, VT 05101		802-460-3100	802-460-3104	jordan@appliedbolting.com	General Interest	Yes
Joseph T.	Ridgway		30 Windermere Dr.	Lumberton, NJ 08048		732-439-9385		tridgway173@gmail.com	General Interest	Yes
Souglia	Roy	Rugers	4211 Campbell Drive	Bethlehem, PA 18020				souglia.r@gmail.com	General Interest	Yes
Jeremy	Ruggio	F.H. Paschen		Haryana	India	630-742-4524		jruggio@att.net	User	Yes
Michael	Samuels	Canadian Inst. of Steel Const. (CISC-ICCA)	445 Apple Creek Blvd, Suite 102	Markham, ON L3R 9X7	Canada	905-694-3231 o 647-264-1341		msamuels@cisc-icca.ca	Association	Yes
Thomas J.	Schlaflay	AISC	130 East Randolph - Suite 2000	Chicago, IL 60601		312-670-5412		schlaflay@aisc.org	General Interest	Yes
Ben	Seinola	Fastenal	25863 Cherokee Road	St. Charles, MN 55972		507-313-7985	507-494-6450	bseinola@fastenal.com	Distributor	Yes
Rachel	Shanley	Simpson Gumpertz & Heer	41 Sevon Street, Bldg 1, Suite 500	Waltham, MA 02453		781-907-9215		rshanley@sgbh.com	General Interest	Yes
David F.	Sharp	TurnsSure LLC	340 E. Maple Avenue	Langhorne, PA 17047		800-525-7193		dsharp@turnsure.com	Producer	Yes
Robert E.	Shaw Jr.	Steel Structures Technology Center	5277 Leeland Ct.	Howell, MI 48943		734-378-9590	734-878-9571	rshaw@steelstructures.com	General Interest	Yes
Victor	Shneur	LaJeune Steel Co.	118 West 60th Street	Minneapolis, MN 55419-0070		612-243-2358	612-861-2724	victor.shneur@lejeunesteel.us	User	Yes
W. Lee	Shoemaker	Metal Building Manufacturers Assoc.	1300 Sumner Avenue	Cleveland, OH 44115-2851		216-241-7333	216-241-0105	lshoemaker@mbma.com	Association	Yes
Nicholas	Sovell	HDR Engineering, Inc.	27282 Cemetery Road	Utica, MN 55979		507-208-0611		nicholas.sovell@hdrinc.com	General Interest	Yes
Mritunjaya	Srivastava	Bachtel India Private Limited	244-245, Udyog Vihar Phase IV Gurgaon	Haryana	India	91.124.4098324		mnsrivas@bachtel.com	User	Yes
Carlos	Suarez Gallardo	Panestock Ltda	Av. Los Libertadores #16	Santiago de Chile	Chile	569531-56545	+56 226366120	csuarez@panestock.cl	Distributor	Yes
James A.	Swanson	University of Cincinnati	P.O. Box 210071	Cincinnati, OH 45221-0071		513-556-3774	513-556-2599	james.swanson@uc.edu	General Interest	Yes
Thomas S.	Tarow Jr.	Stanley D. Lindsey & Assoc.	5500 Marvand Way, #250	Brentwood, TN 37027		615-320-1735	615-320-0387	ttarow@sd-linsley.com	General Interest	Yes
Chris	Thorsen	Unytilte, Inc.	1 Unytilte Drive	Petu, IL 61354-9710		847-272-7400	847-291-4813	cthorsen@unytilte.com	Non-Member	No
Raymond H.R.	Tide	Wiss, Janney, Elstner Assoc.	330 Ptingsten Road	Northbrook, IL 60062-2095		847-272-7400	847-291-4813	rtide@wja.com	General Interest	Yes
Todd C.	Ude	PARSONS	10 S. Riverside Plaza, Suite 400	Chicago, IL		312-930-5264		tode.ude@parsons.com	General Interest	Yes
Carmen	Vertullo	Carver Engineering		Chicago, IL				cvertullo@gmail.com	General Interest	Yes
Dan	Wroblewski	Unytilte, Inc.	1 Unytilte Drive	Petu, IL 61354-9710		815-224-2221		dwrblewski@unytilte.com	Producer	Yes
Natasha	Zamani	Hilti Inc.	7250 Dallas Parkway #1000	Plano, TX 75024		972-403-2314		natasha.zamani@hilti.com	Producer	Yes

**RCSC Paid Membership as of June 9, 2020**

<b>Total</b>	Producers	Distributors	Users	Association	General Interest	Life Members	Total Voting
<b>72</b>	11	4	10	7	38	2	69

New Members

Philip Goldsby  
Chris Marvin  
Joesph Ridgeway  
Natasha Zamani

Departing Members

Gerald Schroeder  
Garret Byrne  
Jason Chadee  
Peter Dusicka  
Phil Fish  
Todd Helwig  
Bill Lindley  
Forrest Lissner  
Neil McMillan  
Christian Noveral  
Brad Tinney  
Laurie Todd  
Joseph Yura

Members Lost

**RCSC Annual Financial Report**  
**Fiscal Year 2019**  
Ending December 31, 2019

<b>Starting Balance</b>		<b>Total</b>
As of January 1, 2019		<b>\$ 362,893.70</b>
Savings	\$ 315,703.91	
Checking	\$ 47,189.79	
Annual Meeting Hotel Deposit	\$ -	
<b>Income</b>		
Research Contributions		\$ 39,450.00
2019 Annual Meeting		\$ 8,875.00
Registration	\$ 7,375.00	
Sponsorship	\$ 1,500.00	
Interest Income		\$ 94.73
Cash	\$ -	
Savings	\$ 94.73	
<b>Total Income</b>		<b>\$ 48,419.73</b>
<b>Expenses</b>		
Bank/Paypal Fees		\$ 746.25
IT Maintenance		\$ -
Accounting/Taxes		\$ 650.00
Office Supplies		\$ -
2019 Annual Meeting		\$ 15,847.91
2020 Annual Meeting		
Donation		\$ -
Research Payments		\$ -
<b>Total Expenses</b>		<b>\$ 17,244.16</b>
<b>Net Income (Loss)</b>		<b>\$ 31,175.57</b>
Adjustment		\$ -
<b>Total Assets</b>		
As of December 31, 2019		<b>\$ 394,069.27</b>
Savings	\$ 315,798.64	
Checking	\$ 78,270.63	
Annual Meeting Hotel Deposit	\$ -	

Note: \$8000 payment for Guide not accrued in 2019

Table of Motions

June 10 -11, 2020

Motion No.	TG	2nd	TG Ballot Number	Affirmative	Negative	Total Voting*	Abstain	Total Voting	%	Motion
1		Shaw	TG1-001	38	1	39	7	46	97%	The definition of Arbitration Torque is modified as presented.
2	Floor/Curven	Petroski	Pro-001	43	1	44	2	46	98%	If the Editorial Committee finds a technical error in the ballot, it will be addressed in a Virtual meeting in the Fall.
3	1/Germuga	Shneur	TG1-002	42	1	43	6	49	98%	The definition of Spline-End Matched Bolting Assemblies is modified as presented. The word "intended" removed as amended.
4	1	Shneur	TG1-003	42	0	42	7	49	100%	The definition of Style is modified as presented.
5	Floor/Schlaflly	Shaw	Pro-002	43	1	44	3	47	98%	When the editorial work is performed, adopt current edition of referenced standards upon publication when the specification is adopted.
6	2	Ocel	TG2-001	38	1	39	8	47	97%	Accept language to accomodate NEG-012 by R. Connor.
7	2	Mitchell	TG2-002	37	0	37	4	41	100%	Accept changes to language to accomodate NEG-021 by H. Mitchell.
8	2	Shaw	TG2-003	39	1	40	4	44	98%	Accept changes to language to accomodate NEG-028 by R. Shaw.
9	2/Germuga	Ocel	TG2-004	29	7	36	10	46	81%	Remove 2.5.2 Reaction Washers and take it up as new business for consideration in a future publication.
10	2	Mitchell	TG2-005	32	0	32	10	42	100%	Accept changes to language to accomodated AFQ-059 by M. Srivastava
11	2	Shaw	TG2-006	32	0	32	5	37	100%	Accept changes to language to accomodated AFQ-050 by J. McGormley
12	3	Anderson	TG3-001	30	3	33	12	45	91%	The following be adopted as the definition of "Cure."
13	3	Anderson	TG3-002	35	0	35	9	44	100%	The following be adopted as Commentary to Section 5.1.
14	3	Anderson	TG3-003	23	6	29	14	43	79%	That NEG-039 be found nonpersuasive.
15	3	Anderson	TG3-004	35	1	36	4	40	97%	That modifications to the Commentary to Section 5.4 be adopted.
16	2	Swanson	TG2-007	40	1	41	5	46	98%	Accept changes to Table 2.2 as noted.
17	2	Shaw	TG2-008	37	0	37	5	42	100%	Accept changes to Section 2.12 regarding reuse.
18	2	Ocel	TG2-009	45	0	45	3	48	100%	Accept Changes to Section 2.9 as noted.
19	4	Mitchell	TG4-001	42	0	42	2	44	100%	Find comment persuasive using the correct glossary term. Revised as shown in draft.
20	4	Mitchell	TG4-002	45	0	45	2	47	100%	Find comment persuasive and replace "must then" with "is then to" as shown in draft.
21	4	Mitchell	TG4-003	44	0	44	4	48	100%	Find comment persuasive and propose change in commentary as shown in draft, also propose new business to change footnote in Table 8.1 and 8.2 and point to commentary for each method, removing "that simulates the conditions of solidly fitting steel". Each commentary appropriately references a BTMD.
22	4	-	TG4-004	0	0	0	0	0	-	No motion forwarded
23	4	Mitchell	TG4-005	46	0	46	3	49	100%	Find persuasive and delete F959 from commentary as new business and to align with body of standard.
24	4	Ocel	TG4-006	37	0	37	4	41	100%	Find comment persuasive and change "Initial Condition" to "Initial Torque" in Table 8.2.
25	4	-	TG4-007	0	0	0	0	0	-	No motion forwarded
26	4	Ocel	TG4-008	39	0	39	4	43	100%	Find persuasive. Added language earlier in commentary to better define the purpose of the inserted language as comparing tool torque output to torque used during PIV, not comparing to tension as was worded in draft.
27	4	Ocel	TG4-009	34	1	35	5	40	97%	Find all negatives to 7.2.4 persuasive and resolved with new language in 7.2.4 as shown in draft.
28	4	Ocel	TG4-010	37	0	37	4	41	100%	Find persuasive change to "default initial torque range". See Draft change to Table.
29	4	Brown	TG4-011	32	0	32	6	38	100%	Find persuasive and modify language to make it clear that both Table 7.3 torque and supplier provided torque are required to verify tension to Table 7.2.
30	4	0	TG4-012	0	0	0	0	0	-	No motion forwarded
31	4	Ocel	TG4-013	35	1	36	7	43	97%	Find persuasive as shown in draft, removing footnote and elevating requirement to spec 7.2.5 with change to +/- 10%. Removed footnote "a" from column header.
32	4/Germuga	Ocel	TG4-014	39	0	39	4	43	100%	Find persuasive. Table provided using .25 K factor at minimum initial tension as max torque to prevent assemblies that may not pass rotational capacity testing from passing the initial tension requirement. .21 K factor used for minimum torque to allow a sufficiently broad window for both lubricated and unlubricated assemblies, and rounded to the nearest 5 lb. This range also approximates the range permitted for tool repeatability. Amend motion to include footnote indicating Group 144 bolts upper limit 1 1/4" diameter in all applicable tables.
33	4	Ocel	TG4-015	38	0	38	4	42	100%	Find persuasive, see draft for re-order of steps and minor language tweak to satisfy R. Shaw negative.
34	4	Ocel	TG4-016	38	1	39	2	41	97%	Find J. Hajjar persuasive. See draft for changes.
35	4	Ocel	TG4-017	38	1	39	4	43	97%	Find R. Tide nonpersuasive. This information was moved to section 7 along with other installation steps to clarify usage requirements at PIV testing and TG4 decided to eliminate redundancy where possible feeling that the document is used less and less as a work instruction.
36	4	Ocel	TG4-018	39	0	39	5	44	100%	Find H. Mitchell persuasive using the language shown in draft.
37	4	Ocel	TG4-019	35	1	36	4	40	97%	Find H. Mitchell persuasive and remove requirement for slope testing during PIV until it can be properly implemented as new business for all methods.
38	4	-	TG4-020	0	0	0	0	0	-	No motion forwarded

**Table of Motions**

39	4	Ocel	TG4-021	38	0	38	5	43	100%	Find N. Sovell persuasive, part of DTI section rewording, as shown in draft. This also was the source of several comments.
40	4	Brown	TG4-022	38	0	38	1	39	100%	Find B. Germuga persuasive, as shown in draft, to align with commentary language for turn of nut method.
41	4	Ocel	TG4-023	40	0	40	2	42	100%	Find H. Mitchell persuasive, same as negative on 08-008, delete as shown in draft and consider for new business for all methods.
42	4	Ocel	TG4-024	36	0	36	5	41	100%	Find B. Germuga persuasive as shown in draft.
43	4	Ocel	TG4-025	41	0	41	4	45	100%	Find B. Germuga persuasive as shown in draft
44	4/Shaw/Sharp	Ocel	TG4-026	35	0	35	3	38	100%	Find B. Germuga persuasive, mirrored guidance in turn-of-nut commentary and modified for use with the combined method to provide better guidance rather than pointing to other commentary, as shown in draft. Amend motion to change to bolting assembly; and remove the "following procedure may be used".
45	4	-	TG4-027	0	0	0	0	0	-	No motion forwarded
46	5/Shaw	Schlaflly	TG5-001	32	4	36	4	40	89%	Revise sentence as shown to accommodate Mitchell and Shaw re Ballot Item 9-001. Strike "generally" from preceding sentence.
47	5	Anderson	TG5-002	22	7	29	11	40	76%	Motion to find H. Mitchell nonpersuasive wrt Ballot Item 9-004.
48	5	Rassati	TG5-003	36	0	36	6	42	100%	That "snug tightened condition has been achieved in accordance with Section 8.1" be accepted with respect to R. Shaw Ballot Item 9-004
49	5	Anderson	TG5-004	35	1	36	6	42	97%	That "half or more" replace "more than half" in line 3396 wret Sovell Ballot Itam 9-008.
50	5	Anderson	TG5-005	27	4	31	5	36	87%	Revise to: "Verify by routine observation that the snug tightened condition has been achieved in the joints in accordance with Section 8.1"
51	5	Schlaflly	TG5-006	35	1	36	5	41	97%	That "observe that the snug tightened condition has been achieved before this final pre tensioning" be accepted per Shaw Ballot Item 9-010.
52	1	-	TG1-004	0	0	0	0	0	-	Motion not forwarded
53	1/Sharp	Ocel	TG1-005	34	2	36	5	41	94%	Replace "could be" with "are" in motion
54	3/Ocel/Shaw/Castel/McGormley	Medlock	TG3-005	38	0	38	7	45	100%	Change "curing" to "cure", insert "one or more of the following" instead of "and", remove sentence "Other tests...purposes." one or more of the following in Commentary 5.4.
55	3	Medlock	TG3-006	32	0	32	7	39	100%	To strike the words "including the thinners used" from Section A1.2.3.
56	4	Shaw	TG4-028	28	0	28	6	34	100%	To delete item (6) ref. to arbitration torque and section 10, as this is not one of the intended outcomes of PIV testing.
57	Floor/Rassati	Shneur	Pro-003	41	0	41	1	42	100%	Approve to adopt the Specification as modified for publication subject to editorial changes.
58	Floor/Shaw	Anderson	-	42	0	42	0	42	100%	To adjourn

\*Abstentions excluded