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MINUTES

B16 SUBCOMMITTEE G

Gaskets for Flanged Joints

Holiday Inn Downtown Superdome

330 Loyola Avenue

New Orleans, LA 70112

1.800.535.7830 or 1.504.581.1600

Monday, March 13, 2017 (9:00 AM – 5:00 PM)

These minutes are for Committee use only. They are not to be duplicated or quoted for other than Committee business. These minutes are subject to approval by the Committee at its next meeting.

1.0 CALL TO ORDER AND INTRODUCTIONS

The meeting was called to order at 8:00 AM. Self-introductions were made.

2.0 RECORD OF ATTENDANCE

Members Present	Members Absent
Daniel Reid	Don Frikken
Errol Lain	Rod Mueller
Joel Baulch	Mark Ruffin
Raphael Bojarczuk	
Kenneth Felder	
Paul Francis	
Keith Guenther	
Ebadollah Jamalyaria	
Yi Li	
Lee Melvin	
David Reeves	
Peter Petrunich	
Chad Yoder	
Henri Azibert, *contributing member*	

Guests	Company	Email
Kris Kolb	Lamons	kris.kolb@lamons.com
David Clover	Advanced Sealing	davidc@advseal.com
Inaki Aizpeolea	Pyam Valves	Inaki@ampo.com
Scott Hamilton	Hex Technology	Scott@hextechnology.com
Laverne Fernandes	Garlock	Laverne.fernandes@garlock.com
Bryan Pourchot	Sgll Group	Bryan.pourchot@sglgroup.com
Mark Williams	Kliwler	Williams.m@klngerule.co.uk
Rich Davis	Flexitallic LP	richd@flexitallic.com

3.0 ANNOUNCEMENTS

4.0 ADOPTION OF THE MARCH 13, 2017 AGENDA

New Additions:
Section 8.1.6: Record 14-750, Drawing
Section 9.3: New Discussion Item on Gasket Stress vs. Kam
Section 9.4: C&S Connect Training – 10:00 AM – 11:00 AM

A motion was made to approve the agenda with the additional changes outlined above. The motion was seconded and approved unanimously.

5.0 APPROVAL OF THE OCTOBER 10, 2016 MINUTES

A motion was to approve the October 10, 2016 Minutes. The motion was seconded and approved unanimously.

6.0 PERSONNEL

6.1 Committee Roster – Attachment 1a

All members should verify that their information on the roster is correct and up to date. If there are any changes please log onto CS Connect and make the corrections via your profile or notify the staff secretary.

6.2 B16 SC-G Membership Expirations

The following committee members has their term set to expire in June 30, 2017:

Rod Mueller, AF – *member*
Chad Yoder, AK – *member*
Donald Monroe, AF- *contributing member*

During the meeting, Mr. Mueller indicated that he would like to be reappointed for another term. Messrs. Yoder and Monroe was not present at the meeting, and as such an email will be submitted for their intentions on continuing on. Following the October 10, 2016 meeting, Mr. Ramcharran submitted an email to Mr. Yoder and Mr. Monroe regarding their membership. As a result, Mr. Yoder indicated that he would like to be reappointed for another term. No response was gained from Mr. Monroe.

6.3 Appointments

6.4 Terminations/Resignations

Peter Retrunich – *resigned* **- Attachment 1b**

6.5 Subcommittee Member Performance Evaluation

For a copy of the attendance report for the past 4 years, please see **Attachment 1c**.
For a copy of the PDH Sign in Sheet, please see **Attachment 1d**.
For a copy of the Ballot Participation for 2016, please see **Attachment 1e**.

7.0 REQUESTS FOR INTERPRETATION

The Committee is advised of Codes and Standards Policy, CSP-33(c)(4) and (e) regarding request for interpretations which must be met by all Committees:

CSP-33(e) reads as follows:
Intent Interpretations: Technical inquiries that cannot be answered on the basis of existing wording of the pertinent standard may be answerable by an "intent" interpretation. Intent interpretations are permitted only to clarify conflicting or ambiguous wording or to resolve incorrect wording. An intent interpretation shall be submitted to the consensus committee for approval along with the revision(s) to the standard that support the intent interpretation. Both the intent interpretation and the revision(s) to the standard must be approved for the interpretation to be issued.

c(4) of CSP-33 reads as follows:
Interpretations shall not include explanations describing why the standard is written the way it is, except they may include the rationale that was approved through the consensus process as part of the standards action.

ASME has launched C&S Connect V4.0 on December 19, 2013. With this update, came the new online Interpretation form. Please note that when submitting inquiries, please use the new online Interpretation form. The direct link is:

www.go.asme.org/inquiry

7.1 Inquiry 16-928

Attachment 2

Committee:	B16 Subcommittee G
Subject:	Para. 2.5
Edition:	ASME B16.21-2011

Question: Does B16.21-2011 address the use of ~~Are Full Face or Ring Gaskets suitable for use in~~ flat Ring or full face gaskets with Ring Type Joining (RTJ) Flanges? ~~Are The full face and flat ring type gaskets are suitable for use in RTJ flanges face?~~

Proposed Response: No. ~~, this is outside the scope of the ASME B16.21-2011 Standard.~~

~~No. Gaskets as defined in ASME B16.21 – 2011 for either ring or full face gaskets are beyond the scope of this standard and not intended for these Ring Type Joint (RTJ) flanges.~~

Additional Cover Letter Information:

Please refer to ASME B16.20-2012 regarding metal ring-joint gaskets that are suitable for use in RTJ flanges.

October 2016: Prior to this meeting, this inquiry was balloted and as a result, it was disapproved via Ballot #16-2815. During the meeting, Mr. Reid went over the ballot results and based on discussions, the proposed question and response was revised.

A motion was made to approve the proposed response with the additional cover letter information. The motion was seconded and approved unanimously. This item will be submitted for a 14 day review and comment period to the B16 Standards Committee Members and the B16 Subcommittee officers upon Mr. Reid posting responses to the ballot comments from Ballot #16-2815.

March 2017 Discussion: This inquiry was issued on December 5, 2016. As a result, this item will be removed from future agendas.

7.2 Inquiry 16-1466

Attachment 3

Committee:	B16 Subcommittee G
Subject:	Table 12 and 15
Edition:	ASME B16.20-2012

Question: ~~Is it permissible to use larger inner ring inner diameters different than provided in Table 12?~~ Does ASME B16.20-2012 permit the use of inner ring inside diameters different than described in Table 12?

Proposed Response: No.

October 2016 Discussion: Prior to this meeting, this inquiry was balloted and as a result, it was disapproved via Ballot #16-2627. Mr. Reid is asked to report.

A motion was made to approve the proposed question and response. The motion was seconded and approved unanimously. This item will be submitted for a 14 day review and comment period to the B16 Standards Committee Members and the B16 Subcommittee officers upon Mr. Reid posting responses to the ballot comments from Ballot #16-2627.

March 2017 Discussion: This inquiry was issued on December 5, 2016. As a result, this item will be removed from future agendas.

8.0 STATUS OF B16 SUBCOMMITEE G STANDARDS

Please **Attachment 4** for all open records for the B16 Subcommittee G.

8.1 B16.20-2012; METALLIC GASKETS FOR PIPE FLANGES

The next edition of this standard is due for publication by December, 2017; Standards Committee approval by May, 30, 2017.

Approved Revision items for the 2017 Edition of B16.20

Record #	Requirement #	Final Date of Consensus
09-54	Errata to Tables 9, 10, 11 and I-4	January 21, 2012
14-756	Proposed Reorganization	December 9, 2015
14-1339	Errata to Tables 9	February 2, 2016
13-914	Editorial Revisions in Table I-5 and I-6	June 12, 2016
14-380	Errata to Tables 9 & I-4	June 18, 2016
13-901	Revision to Title of Standard to, "Metallic Gaskets for Pipe Flanges"	July 13, 2016
12-519	B16.20 -2012; Deletion of Para. 3.2.6	November 21, 2016
14-758	Clarification to Figure 3 and I-3	February 23, 2017

Open Item(s):

8.1.1 12-517 – B16.20 – Remove Double Jacketed Gaskets (*revision to scope and the body of the standard*) – Attachment 5

PM: M. Ruffin

See March, 2016 Minutes for minutes from March 2012.

March 2013: This revision was to be on hold until the issuance of the next edition of B16.20. After discussion within the committee, it was decided to keep jacketed gaskets within B16.20. The scope of the item will be revised to also revise the scope to include B16.47 flanges.

March 2014: Discussion arose on the validity of keeping double jacketed gaskets within B16.20 and concluded with a decision to remove them. A motion was made and unanimously approved by the Subgroup to remove double jacketed gaskets from B16.20. Removal of these gaskets will include a revision to the title and scope of the standard in addition to the content. Note was also made to indicate this in the Forward of the next edition of the Code.

September 2014: Mr. Reeves reported that he will be scheduling a teleconference to discuss this item so that it will be ready to be reviewed at the next meeting. It was noted that an item is needed to revise the scope of B16.20 to accommodate this item; the secretary will open a new item for this and Mr. Reid will be assigned as the Project Manager.

March 2015: Mr. Reeves reviewed the PPT and the justification will be uploaded as background for revision of the scope record #15-451.

September 2015: The secretary will follow up with David, we need a cleaned up version of revised layout for this.

March 2016*:* #15-451 was closed in September and was incorporated into this item so that the scope and the body of the standard will be revised at once. The PM will go through and identify all of the changes that need to be made throughout the standard. The PM will be changed to Mark Ruffin and Dan Reid will assist.

October 2016: Mr. Reid reported there is no update on this. Mr. Reid will work with Mr. Ruffin to go through and identify all of the changes that need to be made throughout the standard. An email will be sent to Mr. Ruffin to request and update on this project.

March 2017 Discussion: During the meeting, the committee reviewed the proposal for 12-517. A motion was made to approve the proposal as presented. The motion was seconded and approved unanimously. Please see **Attachment 5** for the proposal.

8.1.2 12-518 – B16.20 – Adding Spiral Wound for Other Fittings
Task Group: Reid (Chair), Yoder, Li, Lain & Richardson.

See March, 2016 Minutes for minutes from March 2012.

March 2013: Currently the standard covers raised face flanges. However, B16.5 covers a variety of others, including tongue and groove/male-female, etc. The intent of the item is to derive gasket dimensions for these. Revisions to the Scope will also need be done to include these into B16.20.

March 2014: A proposal was drafted containing values for male/female and tongue and groove gaskets. The values will be reviewed by the project manager along with Mr. Errol Lain. A proposal will be drafted using the Code and submitted at a later date. A new item was also suggested to be worked on by Mr. David Reeves and Mr. Walt Stephan to extend kammprofiles for tongue and groove, male/female, etc. type flanges.

September 2014: Mr. Reid reported that he reviewed B16.5 as well as some manufacturers' catalogs; although the flanges are delineated in B16.5, the gaskets for them are not in B16.20etc. He did a short write-up of what it should be and it is on CS Connect; the members are asked to review it and provide any comments to him.

March 2015*:* Mr. Reid is looking for feedback from the committee as to whether this is something that we want. It was agreed that, since it exists in B16.5, it should be in B16.20; it will be for both spirals and kammprofiles. Mr. Reid will prepare the ballot with assistance from Mr. Chad Yoder and Kris Kolb will assist in development of sketches.

September 2015: Mr. Reid put together a table of the dimensions for this, they were put on the file sharing section of CS Connect and can be found via the following link:

https://cstools.asme.org/csconnect/MinutesUpload.cfm

Mr. Reid requests that the members review these documents and provide feedback to him. First we need to agree if the dimensions are appropriate and then we need to ask ourselves "what else". If we cannot answer those questions at this time we can always continue to work on it.

March 2016: Mr. Lain provided a markup for committee review which is included on pages 40-45 (See March, 2016 Minutes). Do we want to incorporate these into the standard? And if so, do we need to investigate the dimensions further? Mr. Reid noted that the work done so far is phase 1, now we need a group to move this into the standard. A Task Group was formed; Mr. Reid will be the TG Leader and Messer's Yoder, Li and Lain will assist.

October 2016: Mr. Reid reported that a table was put together, but would like the committee feedback on whether there is a need to continue with this item. Mr. Li reported that we would also need to add groove metal wound along with spiral wound for other fittings. An informal vote was done, and all members on the call was in favor and supportive of moving this forward. Mr. Ramcharran reported that for this item to be included in the 2017 edition, it would need to be approved by the B16 Standards Committee by April 30, 2016.

March 2017 Discussion: Discussion arose with this item and whether the committee would like to keep this item and move it forward. Mr. Lain reported that this item is needed and recommends that we continue to work on this item. During the meeting, the committee reviewed the table that Mr. Reid has put together in 2014. Discussions arose with this work item and how the task group will proceed with moving it forward. Mr. Reid ask the committee if anyone would like to join the task group. Mr. Richardson has volunteered. The task group will work on this item and try their best to put together a proposal to be balloted and incorporated into the 2017 Edition of the code.

8.1.3 12-519 – B16.20 – Rewriting para 3.2.6 to Reflect Industry Practice – Attachment 9a-9b (October 2016 Minutes) – Attachment 6
Task Group: Bojarczuk (Chair), Reid, Baulch, and Jamalyaria

See March, 2016 Minutes for minutes from March 2012.

March 2013: A new task group was formed with Mr. Guenther as Project Manager with Mr. Chad Yoder, Mr. Dan Reid, Ms. Amy Casner, Mr. Joel Baulch and Mr. David Reeves. Task group will look into rephrasing the current requirements in para 3.2.6.

March 2014: A teleconference had taken place within the work group to attempt to generate a proposal. Conclusions from the task group teleconference resulted in a suggestion to remove the paragraph entirely. A motion was made to remove para. 3.2.6 from B16.20 and resulted in 8 Approved and 5 Disapproved (Mr. Don Frikken, Mr. Dan Reid, Mr. Dave Reeves and Mr. Mark Pollock). The item will be repurposed to remove paragraph 3.2.6 from B16.20.

September 2014: The original proposal was to delete the version as written but there was some hesitancy in just striking out the information. The PM has received some input from the TG members on 3.2.6.

March 2015: Mr. Guenther discussed his direction for this item and Mr. Bojarczuk suggested trying to approach it by determining the modulus of elasticity of the sealing element. The direction of going to a higher stress gasket is the direction that we believe is correct.

It was clarified that there is no previously approved item to remove this paragraph.
MOTION was made to delete the paragraph with nothing to replace it. Motion was seconded and discussed. 8 approved 3 Disapproval (Frikken, Reeves and Pollock). Being that the vote was so close and considering the nature of the disapprovals, the Chairman has called this vote as not approved.
The decision is to move Mr. Guenthers proposal to ballot with revisions based on the discussion from this meeting.

September 2015 – Mr. Lain said that he would assist Keith in this effort; this action should be balloted on CS Connect only. We ask to have something balloted by the next meeting. Don suggested to replace this language with performance based requirements.

March 2016: As was discussed under item #12-516, the compression requirements portion of that record has been moved into the scope of this item. Mr. Guenther reported that there was a direction a few years ago to decide to come up with something to replace this paragraph before we remove it. The TG had a call a few weeks ago and drafted the wording shown below:

For flexible graphite or PTFE filled spiral wound gaskets with inner rings, the following criteria apply:

- *Winding density for NPS < 24 shall be designed such that the winding height is 0.25 mm (0.01 inches) minimum above the guide ring while the gasket is loaded to a gasket stress of 138 MPa (20,000 psi).*
- *For NPS > 24 gasket compression properties shall be agreed between the purchaser and the manufacturer.*

There were many differing opinions on how the language in this paragraph should be handled. It was decided that the PM will be changed to Mr. Bojarczuk and Messer's Reid, Baulch, and Jamalyaria will assist. The proposal will be to delete the paragraph. Down the road, when we have developed appropriate language to replace these requirements, a new item will be opened to add it into the standard.

October 2016: Prior to the meeting, this item was sent for a first consideration ballot to the B16 SC G and was approved. Following that, it was sent for an approval from the B16 Standards Committee and

as a result, it was disapproved via Ballot #16-2040RC1. Mr. Bojarczuk is asked to report. Please see Attachment 9a for the latest proposal.

Prior to the meeting, Mr. Bojarczuk indicated he will be unable to attend the meeting, but provided his report via email. Furthermore, Mr. Bojarczuk reported that the recirculation ballot was disapproved due to a comment from the Board on PTCS. As such, he will discuss this comment with the individual during the October 18, 2016 Board on PTCS Meeting for a resolution. If successful, the item will be recirculated. However, if he is not successful, we will need to come up with a new performance based paragraph or drop this item. Please see Attachment 9b for the email notification.

Discussions arose that by deleted the paragraph without adding requirements in return may not be the right path going forward. Mr. Francis reported that Fluid Sealing Association is working on some requirements that might be useful for a good starting point for performance based requirements. Mr. Francis will send a request to gain access to this information for committee use.

March 2017 Discussion: Prior to the meeting, this item was approved by both the B16 Standards Committee and the Board on PTCS. As such, this item will be removed from future agendas. Please see **Attachment 6** for the approved proposal.

8.1.4 12-1605 – Performance Based Requirements – Attachment 7
Task Group: Lain (Chair), Yoder, Reid, Frikken, Baulch, Ruffin

February 2013: A task group has been formed with Mr. Errol Lain, Mr. Chad Yoder, Mr. Dan Reid, Mr. Don Frikken, Mr. Tim Allami and Mr. Joel Baulch on adding performance based aspects into B16.20/B16.21.

March 2014: Work in progress.

September 2014: Mr. Lain indicated that there has not been any progress on this item since the last meeting.

March 2015: Mr. Lain reported that there has been no significant work done but is still moving forward.

September 2015: Mr. Reid noted that this should either be a subset or perhaps part of #12-519. Errol did not have anything new to report on the progress of this item.

March 2016: As was discussed earlier, the sealability requirements, development of a test procedure and a fugitive emission limit were added to the scope of this item from record #12-516. Sealability performance is an item that we would like to focus on. It was also noted that this will only address B16.20 and not B16.21. Mr. Ruffin was added to the Project Team.

October 2016: Work in progress.

March 2017 Discussion: This has been no progress on this item. Discussions arose whether if there is value of having this item on the agenda. Mr. Bojarczuk reported that we don't need this item, and recommends that with each new proposal, we also look at the proposal in a performance based language as well. Mr. Azibert reported that API is working on something to this effect and if the committee is interested, he can get that document and distribute it to the B16 SC- G. Mr. Reid reported that the committee would appreciate this draft. Please see **Attachment 7** for the API document.

A motion was made to close this item with the following rationale. The motion was seconded and approved unanimously.

Rationale for closure: There is no actionable item for this item. Furthermore, this has been incorporated in Record 16-2540.

This item will be removed from future agendas.

8.1.5 13-637 – B16.20 – Table 19 – Dual Certification and No Color – Attachment 10 (October 2016 Minutes) – Attachment 8
PM: J. Baulch

March 2013: A new item was suggested to be opened to look into Table 19 and the handling of dual certified materials and to consider the current definition of 'no color'.

March 2014: Work in progress.

September 2014: Mr. Baulch reported that the status of this item has not changed since the last meeting. Work is in progress; he expects to have something prepared for consideration at the next meeting.

March 2015: Mr. Baulch reviewed the paragraph with the members. The "no color" issue is a problem. The suggestion is to change "no color" to "pink" and send it out for ballot on CS Connect.

September 2015: Mr. Lain noted that there is a lot of sensitivity with the use of pink. It was agreed that there does need to be a color of some kind, but the color pink is just the issue.

Mr. Frikken suggested doing color by agreement between purchaser and manufacturer.

Mr. Reid said that he would write up a proposal for this saying "as agreed upon between the purchaser and the manufacturer" or "unless otherwise agreed upon…".

March 2016: Mr. Reid expressed concern with the language "as agreed upon between the purchaser and the manufacturer"; a new suggestion is to use "fluorescent green" for all items that are currently listed as no color except for 304L which will be "Yellow".

Mr. Reid will write up a proposal and justification for this for ballot.

October 2016: Please see Attachment 10 for the current proposal and suggestion. Mr. Baulch reported. Some of the earlier discussion, it was discussed to use the color, "Pink". However, after discussion, it was agreed to use verbiage to allow the color to be used as agreed between the purchaser and manufacturer. Furthermore, he said this is ready for ballot and this item will be sent for a first consideration ballot in the next week or so.

March 2017 Discussion: Prior to the meeting, this item was submitted for a first consideration ballot to the B16 Subcommittee and as a result, this item was disapproved. Furthermore, Mr. Baulch reported that he would like to discuss with the committee the need for this item. If there is no need for it within the industry, Mr. Baulch would move to close this item. Please see **Attachment 8** for the proposal and the email correspondence.

Mr. Baulch reported that this item was balloted and there was several negatives with no clear direction on how to proceed due to the diversity of the comments. He further recommends to close this out. A motion was made to close this item with the following rationale. The motion was seconded and approved unanimously.

Rationale for closure: There is no significant need to pursue this this. This item was balloted and there was no clear path on how to proceed with this item.

This item will be removed from future agendas.

8.1.6 14-750 – B16.20 – Gasket Outside Diameter – Attachment 9
Task Group: Yoder (Chair), Kolb, Frikken
March 2013: Discussion took place on the definition of "gasket outside diameter". An inquiry will be submitted in order to better clarify the definition**.**

March 2014: A new item will be created to address the measurement of Gasket Outside Diameter with Mr. Walt Stephan as Project Manager along with the assistance of Mr. Don Frikken and Mr. Chad Yoder.

September 2014: Mr. Stephan noted that he is proposing to add language under 3.2.2 to reference the appendix where the figure is. The "approximately" is also an issue; there can be a tolerance but approximate is not clear enough.

March 2015: Mr. Kolb has requested that he be added to the Task Group for this item.

September 2015: Mr. Stephan was not on the call to discuss. Mr. Frikken noted that a long time ago a proposal was circulated for comment but there has not been anything since. The Secretary will follow up with Mr. Stephan on the status of this.

March 2016: Background files are included for reference. There needs to be an exploded view with a blow up of the image section in question, the current lines are showing to the groove and not to the outside of the gasket. The image is correct in the 2012 edition but we still need an exploded view. The PM will be changed to Chad Yoder and Messer's Reid and Li will assist.

October 2016: No report. Mr. Yoder was not present. A report will be given at the next meeting.

March 2017 Discussion: Prior to the meeting, Mr. Yoder submitted a drawing of a Pipe Flange Spiral for the committee to review. Please see **Attachment 9** for the drawing. Mr. Yoder is asked to report.

Mr. Yoder reported that is to go back to the 2007 picture vs the picture that is currently published. During the meeting, Mr. Yoder presented a revised figure to the committee for their review and discussion. There was some discussions on the drawing and the committee has suggested some recommended changes. Mr. Yoder will revise the drawing and resubmit it to Mr. Ramcharran for review and ballot.

8.1.7 14-755 – B16.20 – Table 10 – Class 150, Series A, Spiral Wound Gaskets
Task Group: Baulch (Chair), Li, Kolb, Fleck
An excerpt was given by Mr. Don Frikken from a paper that was written by Mr. Warren Brown identifying certain errors in the B16 Codes. An error was pointed out in the B16.20 Code.

March 2014: Review of the attached background information resulted in the formation of a task group to investigate these gaskets and flanges mentioned. Mr. Kris Kolb will be Project Technical Manager along with the task group consisting of Mr. Don Frikken, Mr. Dan Reid, Mr. Mark Ruffin and Mr. Joel Baulch.

September 2014: There was not enough time in the teleconference to discuss this item.

March 2015: The PM reported that work is in progress.

September 2015: Mr. Kolb noted that there was no progress since the last meeting.

March 2016: Background files are included for reference. Mr. Baulch will be the PM for this item and Mr. Li and Kolb will be added to the Project Team to assist.

October 2016: No report. A report will be given at the next meeting. Mr. Fleck has volunteered to be part of this TG.

March 2017 Discussion: Mr. Baulch reported that he has spoken to Mr. Brown about this and something will be submitted in May, 2017. There is two issues, one is with the gasket size. How can we overcompensate for larger diameters 150 flanges over 26 inches? Mr. Bojarczuk suggest that we close this item because this item has been sitting in the agenda with no progress since 2014. If Mr. Brown does submit something in May, 2017, we can open a new record.

A motion was made to close this item with the following rationale. The motion was seconded and approved unanimously.

Rationale for closure: There has been no information provided to move this item until such time a proposal is submitted.

This item will be removed from future agendas.

8.1.8 14-758– B16.20 – Grooved Metal Gasket with Covering Layers Figure Revision – Attachment 11 (October 2016 Minutes) – Attachment 10

Task Group: Jamalyaria (Chair), Li, Yoder

At the March 2014 meeting, Mr. Tim Allami noted that the current figure 3 of B16.20-2012 is over defined. Further review of the figure has determined that it needs revising. A new item is to be created with Mr. Kris Kolb as project manager.

September 2014: There was not enough time in the teleconference to discuss this item.

March 2015: Some of the corrections needed are errata (original record #11-1997 --one being that the drawing should have rounded grooves in the figure) and some are new revisions. Mr. Allami will draft a proposal with the changes that are needed. The PM was changed from Mr. Kolb to Mr. Allami.

September 2015: Mr. Allami was not on the call to discuss. Mr. Kolb noted that he was the one that did the original sketch, if more information was provided to him he could get to work on a proposal. Mr. Lain noted that there are some changes that could be made to make the figure more user friendly. We can table this item until we have more of the committee together to discuss the need for this.

March 2016 **-** Mr. Jamalyaria offered to draft a correction to the proposal; Messer's Yoder and Li will assist.

October 2016: Mr. Allami is asked to report. Mr. Jamalyaria reported that a draft was completed and he will work with Mr. Ramcharran and get the proposal prepared by the end of the week. Please see Attachment 11 for the latest proposal as prepared by Mr. Ramcharran.

March 2017 Discussion: Prior to the meeting, this item was approved by the B16 Subcommittee G and is now currently out for ballot to the B16 Standards Committee. This item will close on February 20, 2017. Please see **Attachment 10** for the latest proposal.

This item was board approved on March 16, 2017 and will be included in the 2017 edition of B16.20. Furthermore, this item will be removed from future agendas.

8.1.9 16-2147– B16.20 – Inclusion of 3 1/2 NPS Flange Data to Tables 9, 12, I-4 and I-7 – Attachment 12 (October 2016 Minutes) – Attachment 11

PM: D. Reid

October 2016: Prior to the meeting, this item was open as a result of a letter submitted to Mr. Ramcharran request data be added for 3 ½ NPS Flanges for tables 9, 12, I-4 and I-7. Based on this, Mr. Reid has taken out an item and worked with Mr. Ramcharran to develop a proposal. Furthermore, this item was balloted to the B16 Subcommittee G and was disapproved. Mr. Reid is asked to report. Please see Attachment 12 for the latest proposal.

Mr. Reid will revise the proposal and send this item back out for ballot.

March 2017 Discussion: Prior to the meeting, this item was ballot to the B16 Subcommittee G and as a result, it was disapproved. Mr. Reid will review the ballot results, and revise the proposal for ballot. Please see **Attachment 11** for the proposal as balloted.

8.1.10 16-2540– B16.20 – Paras. 3.2.2 and 3.2.6 – Attachment 12

PM: R. Bojarczuk

March 2017 Discussion: Following the approval of Record 12-519, Mr. Bojarczuk drafted a proposal to replace the deleted paragraphs. As such, this proposal is currently out for ballot to the B16 Subcommittee G and will close on February 28, 2017.

Mr. Bojarczuk reported that following the approval of Record 12-519, he worked with a small task group in January, 2017 to draft a proposal. This proposal was balloted and as a result, it was disapproved. He further reported that the task group goal when drafting this proposal, was to do the least amount of change to what manufacturers are currently doing. Most of the work done is in relation

to gasket stress. During the meeting, Mr. Bojarczuk went over the proposal. He further reported that this is just an initial step and this can be revised even further down the line.

Mr. Reeves reported that he would like to see some sort of heating requirements incorporated in the proposal. Mr. Bojarczuk reported that he does not think that we will be able to get that data in time for the 2017 publication and we should get something in the code to address this requirement vs. having nothing in the code.

Further discussion arose with adding surface finish in the proposal as a results of Mr. Frikken ballot comment. During the meeting, the committee revised the proposal based upon the ballot comments. New changes are shown in Green Text.

A motion was made to approve the revised proposal with the editorial revisions as shown in green text. The motion was seconded and approved unanimously. Please see **Attachment 12** for the approved proposal. This item will now be balloted to the B16 Standards Committee for their review and approval.

8.2 B16.21-2011; NONMETALLIC GASKETS FOR PIPE FLANGES

The next edition of this Standard is due for publication in 2021. Standards Committee approval by May, 30, 2021.

Approved Revision items for the 2021 Edition of B16.21

Record #	Requirement #	Final Date of Consensus
NONE		

Open Item(s):

8.2.1 14-761 – B16.21 – Table 5 – Usage of Class 900 Dimensions

PM: D. Reeves

Discussion took place on the current usage of Class 900 dimensions and a new item was requested to be opened to insert a note into the General section of the Code. Mr. Errol Lain will be Project Manager for this item with task group members: Mr. Walt Stephan, Mr. Dan Reid and Mr. David Reeves.

September 2014: There was not enough time in the teleconference to discuss this item.

March 2015: Mr. Reeves reviewed a PPT, shown on pages 197-199 of the March 2015 Minutes regarding a cautionary statement. The PM will be changed to Dave Reeves and he will modify the proposal based on the discussion at today's meeting and upload to CS Connect for ballot. Discussion was held as to whether this should apply to only class 900 or to all of them. A recommendation was made that we simply add a reference to PCC-1 in B16.21 for additional guidance.

September 2015: Mr. Lain noted that he did not have anything new to report on this.

March 2016: There was no report from Mr. Reeves on the status of this project.

October 2016: Mr. Lain is asked to report. Mr. Reid reported that this standard is a dimensional standard and class 900 may not be what the industry uses for each application. This item will be tabled. ve

March 2017 Discussion: Mr. Lain reported that there are already cautionary statements in the standard. Furthermore, the scope work of this item is already done and in the standard. After further discussion, no change is necessary.

A motion was made to close this item with the following rationale. The motion was seconded and approved unanimously.

Rationale for closure: After further discussion, cautionary statements are already in the PCC-1 Standard and no further change is necessary.

This item will be removed from future agendas.

9.0 Discussion Items

9.1 B16.xx, New Standard on Transportation Pipeline Gaskets – Attachment 13 (October 2016 Minutes) – Attachment 10

March 2016: Mr. Ruffin brought up the following questions:

- Is the height of the outer guide ring the height without the paint? This is currently not addressed.
- Does the tail of the gasket have to be continuous or can it be in pieces? It is not defined but it may be best to leave the language as is.
- In B16.20 could you use alternating materials in the spirals?

The committee reviewed these points and decided that the standards sufficiently address the first two. They agreed however that an item is needed to address the final point. A new item will be opened and Mr. Ruffin will be the PM. Messer's Reid and Li will be added to the Project Team.

- There is an issue in the industry of of B16.20 gaskets sticking into the inside of the pipe; see **pages 81-84** for a copy of the data provided by Mr. Fleck. This may be an opportunity to explore a new standard on Transportation pipeline gaskets. A new item will be opened for approval of a new standard. The PT will consist of Messer's Li, Fleck, Parrish, and Reid. Mr. Reid will be added as the PM and Mr. Fleck will develop the proposal. The secretary will send the form to Mr. Fleck to complete.

October 2016: Mr. Fleck reported on this item and the need for this. The TG will work on creating a scope for this new standard and work with Mr. Ramcharran to submit a PINs.

March 2017 Discussion: No report. Mr. Ramcharran will submit a follow up email to Mr. Fleck.

9.2 Inquiry 16-439 Discussion, Outer Diameter of Center Ring– Attachment 13

March 2017 Discussion: Prior to the meeting, an inquiry regarding outer diameter of center ring was received. As a result, this inquiry was deemed to be asking a question that is outside the scope of the standard. As such, Mr. Reid requested that the committee review this item to see if any action can be taken to revise the standard. See **Attachment 13** for the inquiry and email correspondence.

During the meeting, the committee discussed this item and feels that no further action is needed. Furthermore, in response to the email correspondence, the committee has decided to send back a response stating that the question is outside the scope of the standard.

A motion was made to send a letter to the inquirer stating that the question is out of the scope of the B16.20 Standard. The motion was seconded and approved unanimously.

9.3 Gasket Stress SW vs. Kamprofile Pipe Flange Gaskets – Attachment 14

March 2017 Discussion: Prior to the meeting, Mr. Reeves requested to add a new discussion item regarding Gasket Stress vs. Kamprofile Pipe Flange Gaskets. In preparation for this discussion, Mr. Reeves has included some data that supports this discussion. Please see **Attachment 14** for the data.

During the meeting, Mr. Reeves presented his data to the committee. The committee request that Mr. Reeves draft a proposal to the committee and present it at the next meeting.

9.4 C&S Connect Training

March 2017 Discussion: Mr. Ramcharran has organized an in meeting C&S Connect training. This training will cover the basics of C&S Connect such as voting, committee page, and other critical features that are vital to completing ASME Committee work.

10.0 NEXT MEETING

October 19, 2017: 12:00 PM ET – 3:00 PM ET.

March 19, 2018: Doubletree by Hilton San Diego Downtown
1646 Front Street
San Diego, CA 92101

Sleeping Room Rate: $169
Reservations: 1-619-239-6800
Guest Room Cut Off: February 25, 2018

11.0 ADJOURNMENT

A motion was made to adjourn the meeting. The motion was seconded and approved unanimously. The meeting ended at 1:00 PM.

Respectfully Submitted,

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