

Ballot	5655		Name	API 6A, 21st Edition - Addendum 3		Comments	Proposed Change	Comment Resolution	Comment Resolution Comments DZ	Report Date:	11/30/2021	Closing Date	1/24/2022
Sort Key	Name	Vote	Clause Subclause Number	Paragraph	Type of Comments	Comments	Proposed Change	Comment Resolution	Comment Resolution Comments DZ	Attachment	Company	Email Address	Phone
1	Eric Wehner	YetToVote	10.4.2.4.1	Parag. (a)	Editorial	The last sentence of paragraph (a) is repetitive of 10.4.1.4, and also of the first sentence of 10.4.2.4.1. Taken literally this would require testing all parts for DD-HH two or three times.	Delete "with the following exception," and delete the last sentence: "For DD, EE, FF, and HH material class equipment, each pressure-containing and pressure-controlling part shall be individually hardness tested."	Noted	Comments 1- 11 can be addressed by replacing all text in section 10.4.2.4.1 with the following text and addition of Table Y (This will be deferred to the next edition): The requirements of 10.4.1.4 shall apply to PSL 1, PSL 2, PSL 3, and PSL 4 for material classes DD, EE, FF, and HH, for all pressure-containing and pressure-controlling parts. For hardness testing requirements Table Y shall apply. NOTE Conformance to Table Y provides conformance to 10.4.1.4.			eric.s.wehner@gmail.com	713-725-0192
2	Eric Wehner	YetToVote	10.4.2.4.1	Parag (c)	Editorial	1. In the first sentence of (c), the words "additionally" and "additional" are errors. The hardness tests of 10.4.1.4 and PSLs 1, 2, 3 and 4 are not cumulative, and it is not intended to duplicate hardness testing. (See interpretation 6A-2017-19.) 2. It would be clearer if both end and outlet connectors are referenced. 3. The requirement to test end and outlet connector faces only applies to bodies and loose connectors; bonnets do not have end/outlet connectors, and integral connectors are part of the body. 4. A clamp hub is designated an acceptable end/outlet connector in 5.1.1; there is no reason to single it out and address it separately.	Revise the first sentence of paragraph (c) to read: "c) For PSL 3 and PSL 4 finished bodies and loose connectors, one hardness test shall be performed on each end or outlet connector face."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
3	Eric Wehner	YetToVote	10.4.2.4.1	2nd para	Technical	1. The word "additionally" at the beginning of the second paragraph of 10.4.2.4.1 is an error, and is incorrect for all three paragraphs, a), b) and c). If the hardness testing requirements of 10.4.2.4.1 are additional to the testing specified in 10.4.1.4, redundant testing is pointlessly required on all parts for sour service. 2. The word "except" in the second paragraph of 10.4.2.4.1 is an error. It creates a non-sequitur, taking exception to requirements of 10.4.2.1 in the leading sentence of 10.4.2.1. The text of 10.4.2.4.1 that follows does not give exceptions to the requirements; it states the requirements.	Delete the words "additionally" and "except," so that the sentence reads: "The requirements of 10.4.2.4 shall apply to PSL 1, PSL 2, PSL 3, and PSL 4, as noted in the following."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
4	Eric Wehner	YetToVote	10.4.2.4.1	Parag. (a)	Editorial	3. The list of pressure ratings for PSL 1 in 10.4.2.1 a) is not relevant to hardness testing, is repetitive of Table 5, and is not consistent with the presentation of requirements in 10.4.2.4.1 b) and c) for PSLs 2, 3 and 4. This can create an incorrect perception that hardness testing requirements are related to pressure rating, when they are only determined by PSL and material class. Part 4.3.4.2 (with Table 5) stands on its own merits to establish the minimum pressure ratings by PSL.	Delete the pressure ratings so that paragraph (a) reads: "For PSL 1, bodies, bonnets, end and outlet connectors, clamp hub end connectors, stems, and loose connectors, for material classes AA, BB and CC, sampling shall be in accordance with ISO 2859-1:1999, level II, 4.0 AQL (acceptance quality limit)."	Accepted in Principle	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
5	Eric Wehner	YetToVote	10.4.2.4.1	Parag. (a)	Editorial	In the first sentence of (a), "end and outlet connectors and clamp hub connectors" is unnecessary and implies that all integral connectors on bodies must be tested for PSL 1-2. (It's a PSL 3-4 requirement). End/outlet connectors are either integral or loose, and loose connectors are listed separately (with stems). Also, a clamp hub is designated an acceptable end/outlet connector in 5.1.1; there is no reason to single it out and address it separately.	Delete "end and outlet connectors and clamp hub connectors" from first sentence of (a): "For PSL 1, bodies, bonnets, stems, and loose connectors, for material classes AA, BB and CC, sampling shall be in accordance with ISO 2859-1:1999, level II, 4.0 AQL (acceptance quality limit)."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
6	Eric Wehner	YetToVote	10.4.2.4.1	Last paragraph	Editorial	The last sentence of 10.4.2.4.1 is not clear that it applies where integral connector(s) on a body and the body portion are not all the same material type. "Each part shall be tested" is inaccurate and misleading because it actually refers to different portions of the same part.	Replace last sentence with the following: "If a body and its integral end or outlet connectors have differing material designations, each such portion of the body shall be tested."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192

7	Jonathan Harder	AffirmativeWith Comment	10.4.2.4.1	all	General	Nothing, not even the numbering/lettering, seems to have changed between the (renumbered?) ballot text and the published text	don't include this in the addenda if nothing has changed from the published text	Noted	See Sort key #1		Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
8	ASHOKKUMAR ALALASUNDARAM	NonVoter	10.4.2.4.1 (c)	10.4.2.4.1 (c)	Editorial	I have provided 4 comments, running 8 pages in the attachment.	I have provided 4 comments, running 8 pages in the attachment.	Noted	See Sort key #1	https://eballotprodstorage.blob.core.windows.net/eballotscontainer/API%206A-Addendum%203-Ballot%205655-Ashok.docx	NUSTAR TECHNOLOGIES PTE LTD	ashok.a@nustar-tech.com	+6591889165
9	Eric Wehner	YetToVote	10.4.2.4.1 b)	NOTE 1	Editorial	In NOTE 1, the word "additional" is an error. The hardness tests of PSL1 and PSL 2 are not cumulative.	Delete the word "additional" so NOTE 1 reads: "This requirement does not apply to PSL 1."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
10	Eric Wehner	YetToVote	10.4.2.4.1 c)	NOTE 2	Editorial	1. "Punch" is slang for a hardness test and should be avoided. 2. The only end/outlet connectors that can share a common face are studed outlets.	Revise NOTE 2 to read: "Where multiple end or outlet studed connectors are located on the same finish machined surface, a single hardness test may be used to represent all of those connectors."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
11	Eric Wehner	YetToVote	10.4.2.4.1 c)	NOTE 3	Editorial	In NOTE 3, the word "additional" is an error. The hardness tests of PSLs 1, 2, 3 and 4 are not cumulative.	Delete the word "additional" so NOTE 3 reads: "This requirement does not apply to PSL 1 and PSL 2."	Noted	See Sort key #1			eric.s.wehner@gmail.com	713-725-0192
12	Lester Burgess	NonVoter	10.4.5	5.2.2	Technical	Given the importance of hardness in function, we should add to hardness requirements	Delete "as geometry permit" and add. Fixturing shall ensure that readings are accurate.	Noted	This section was not on the ballot		WN Global	lburgess@wn-global.com	7132947946
13	Edmund Baniak	NonVoter	10.4.5.4.2	1st paragraph	Editorial	This is a hanging paragraph and not permitted per the API Style Guide	Change to: 10.4.5.4.2 Ring Gaskets 10.4.5.4.2.1 Dimensional Inspection Dimensional inspection shall be performed on ring gaskets manufactured according to this specification. 10.4.5.4.2.2 [renumber all subsequent sections to one larger than currently proposed]	Accepted	Recommendation - Accepted		American Petroleum Institute	baniake@api.org	202-682-8135
14	Edmund Baniak	NonVoter	10.4.5.4.2.1	Title and 1st sentence	Editorial	The title and 1st sentence talks about a "method" yet there is no method listed	Change Title by replacing "method" with "of" Change 1st sentence to: For BX 151 through BX 156, BX 169, R and RX gaskets, the following shall apply:	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
15	Edmund Baniak	NonVoter	10.4.5.4.2.1	3rd sentence	Technical	No where in the document do we tell the user to follow procedures. We tell them what procedures they need and we assume they follow them.	Change 3rd sentence to: The manufacturer shall document and maintained a procedures for dimensional inspection.	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
16	Edmund Baniak	NonVoter	10.4.5.4.2.2	6th sentence	Editorial	This presumes that there are procedures. Maybe that should be the requirement instead. And with the changes to Section 15, the records issue does not need to be addressed here.	Change to: The manufacturer shall document and maintained a procedures for dimensional inspection.	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
17	Edmund Baniak	NonVoter	10.4.5.4.2.2	5th sentence	Editorial	".shall conform with..."	Change to: "...shall conform to the..."	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
18	Edmund Baniak	NonVoter	10.4.5.4.2.2	Title and 1st sentence	Editorial	The title and 1st sentence talks about a "method" yet there is no method listed	Change Title by replacing "method" with "of" Change 1st sentence to: For BX 157 through BX 303, excluding BX 169 gaskets, the following shall apply:	Accepted in Principle			American Petroleum Institute	baniake@api.org	202-682-8135
19	Edmund Baniak	NonVoter	10.4.5.4.2.2	last sentence	Editorial	(A) and (H) are coming from the figures in Annex D/E. Should add a NOTE to that affect.	Add: NOTE 4 See Table ??? for reference to Ring width (A) and Ring Height (H)	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
20	Edmund Baniak	NonVoter	10.4.5.4.2.2	7th sentence	Editorial	No need to set "Sealing Angle" out with a hyphen. We do not talk about validated methods in this document or in Q1. It is a process that required validation. Should use that terminology.	Change to: The process for inspecting the 23-degree (sealing) angle shall be documented and the process shall be validated.	Accepted in Principle	Accepted in principle (see #21)		American Petroleum Institute	baniake@api.org	202-682-8135
21	ASHOKKUMAR ALALASUNDARAM	NonVoter	10.4.5.4.2.2	10.4.5.4.2.2	Editorial	I have provided 4 comments, running 8 pages in the attachment.	I have provided 4 comments, running 8 pages in the attachment.	Accepted	Accepted - Changed 23 degree to 23°	https://eballotprodstorage.blob.core.windows.net/eballotscontainer/API%206A-Addendum%203-Ballot%205655-Ashok.docx	NUSTAR TECHNOLOGIES PTE LTD	ashok.a@nustar-tech.com	+6591889165
22	Jonathan Harder	AffirmativeWith Comment	10.4.5.4.2.2	first	Editorial	grammar appears wrong	add a comma after 169 or otherwise correct the grammar	Accepted			Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
23	Loc Hoang	AffirmativeWith Comment	10.4.5.4.2.2	Title and first paragraph	General	The large gasket are BX 157 through BX 303, excluding BX-169 because its small diameter. The BX-170 diameter is less than BX-156. Suggest also to exclude BX-170 to be uniform	change to "... BX 157 through BX 303, excluding BX 169 and BX 170"	Accepted			Cameron	lhoanghou10@gmail.com	none
24	Loc Hoang	AffirmativeWith Comment	10.4.5.4.2.2	5th paragraph	Editorial	Letter T in "tables D.12/E.12" needs to capital	Change to "Tables D.12 / E.12"	Accepted			Cameron	lhoanghou10@gmail.com	none

25	Eric Wehner	YetToVote	10.4.5.4.2.2	Parag. 8	Editorial	(Starting after NOTE 2) (1) "Ovality" is not defined in the draft. An oval can be any of several shapes: pear-shaped, elliptical, or "racetrack." (2) Grammar can be improved: Ovality is not inspected, the part is inspected for ovality. I.e., ovality it is measured.	Add the definition of ovality (from Merriam-Webster) and replace Paragraph 8 as follows : "Gaskets shall be inspected for ovality, the degree of departure from true circularity, as follows:	Not Accepted				eric.s.wehner@gmail.com	713-725-0192
26	Eric Wehner	YetToVote	10.4.5.4.2.2	Parag. 8	Technical	The part should be measured in a free state and at room temp, not in-process or while still in a machine chuck or fixture, so that any effects of residual machining stresses or thermal stresses will not be masked.	Add the following between Paragraph 8 and step (1), or as new step (1): "The ovality shall be measured after the gasket has been fully machined, removed from the machine tool, and has cooled to room temperature."	Accepted in Principle	Gaskets shall be in the finished condition and measured in the free state after the gasket has cooled to room temperature. (See Comment 29)			eric.s.wehner@gmail.com	713-725-0192
27	Ramon San Pedro	AffirmativeWithComment	10.4.5.4.2.2	Seventh (starting with "Ovality...")	General	Steps (1), (2), and (3) of the BX gasket inspection method are preceded by the sentence "Ovality of the BX gasket shall be inspected according to the following method:" However, step (2) (average OD) is not used in the assessment of ovality.	Remove "Ovality of" from the sentence preceding the three inspection steps, so that it reads "The BX gasket shall be inspected according to the following method:"	Accepted			Stress Engineering Services, Inc.	ramon.sanpedro@stress.com	281-955-2900
28	Ramon San Pedro	AffirmativeWithComment	10.4.5.4.2.2	Step (3)	General	While it works either way, it is not clear if the ovality is to be recorded as a dimension (mm or inch) or a percentage of nominal ring diameter (as used in the acceptance criteria).	If ovality is recorded as a dimension in mm or inch, no change needed. If ovality is recorded as a percentage of nominal diameter, then an additional step for performing this calculation is needed.	Accepted	Step (4) added		Stress Engineering Services, Inc.	ramon.sanpedro@stress.com	281-955-2900
29	Roberto Lodovichi	NonVoter	10.4.5.4.2.2	10.4.5.4.2.2	Technical	The third sentence refer "All gaskets shall be finished and measured in the free state", the meaning of free state is unclear (uncoated, not pressed, without stresses??)	All gasket shall be measured in the finished condition, all measured surface shall be clean and ungreased. During the measurement the gasket shall be in free state, without any external factors that can affect the measurement results.	Accepted in Principle	Gaskets shall be in the finished condition and measured in the free state after the gasket has cooled to room temperature. (See Comment 26)		2R Consulting	roberto@2rconsulting.com	3.93286E+11
30	Roberto Lodovichi	NonVoter	10.4.5.4.2.2	10.4.5.4.2.2	Editorial	In the same paragraph the validation is indicated referring to " validated inspection method" and "Validated inspection procedure	Align the terminology and revise the paragraph as follow "The manufacturer's documented procedures shall be validated and followed for dimensional inspection and shall include provisions for inspection and validation method record retention. Sealing angle - The 23 degree angles shall be measured using the manufacturer validated procedure. Ovality of the BX gasket shall be inspected according to the following method:1) Measure the Outer Ring Diameter (OD Table D.12/E.12) at a minimum of 4 equidistant diameter locations using the manufacturer validated procedure. See Table D.12 / E.12 for inspection locations.	Not Accepted	See Editorial Changes		2R Consulting	roberto@2rconsulting.com	3.93286E+11
31	Roberto Lodovichi	NonVoter	10.4.5.4.2.2	10.4.5.4.2.2	Technical	Control of ovality is provided only for BX gasket. Since the shape of all the gasket is a ring any type of ring gasket could have ovality issue.	extend the ovality check all the type of ring gasket	Noted	Only large size BX were affected		2R Consulting	roberto@2rconsulting.com	3.93286E+11
32	Ramon San Pedro	AffirmativeWithComment	10.4.5.4.2.3	Third criterion	Technical	Criterion for ovality states "0.2% of the nominal ring diameter." It is not clear what "diameter" is to be used (OD, pitch?).	Change to "0.2% of the nominal ring OD."	Accepted in Principle	The OD ovality shall not exceed 0.2% of the nominal ring outside diameter.		Stress Engineering Services, Inc.	ramon.sanpedro@stress.com	281-955-2900
33	Eric Wehner	YetToVote	10.4.5.4.2.3	1st bullet	Editorial	Sentence needs improvement: (1) "Variance" is not always = "variation." In statistics "variance" is the square of the standard deviation. (2) There is no variation at "any measured location;" it takes at least two locations.	Replace first bullet under "Acceptance Criteria" with: "The difference in width (A) or height (H) between any two measured locations shall not exceed 0.10 mm (0.004in.)"	Accepted				eric.s.wehner@gmail.com	713-725-0192
34	David Zollo	AffirmativeWithComment	10.4.5.4.2.3	First bullet	Technical	Acceptance criteria need to be same throught the document - current text " at any measured location" but it's not alinged with E/D.12 footnote -" throughout its entire circumference".	Proposed wording -" The variance in width (A) or height (H) shall not exceed 0.10 mm (0.004 in.) throughout its entire circumference.	Accepted in Principle	Remove note from Table D.12/E.12. Clarified section by rewording text. (See Comment 76)		TechnipFMC	david.zollo@technipfmc.com	281-591-4506
35	Edmund Baniak	NonVoter	10.4.5.4.2.3	1st sentence	Editorial	(A) and (H) are coming from the figures in Annex D/E. Should add a NOTE to that affect.	Add: NOTE See Table ??? for reference to Ring width (A) and Ring Height (H)	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
36	Edmund Baniak	NonVoter	10.4.5.6	last sentence	Editorial	Reword to align with the previous sentence	Change to For nonintegral metal seals, the acceptance criteria for the sealing surface finish shall conform to the manufacturer's documented requirements.	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
37	Edmund Baniak	NonVoter	10.4.5.6	1st sentence	Technical	The 1st sentence does not say anything specific other than following some generic procedure. Based on the section title, I presume that is for surace finish. But what is needed? With Table 28 going away, Can I have a procedure that says I do not need to do this?	Change sentence to: The manufacturer shall document a procedure for doing something.	Not Accepted	TG states that requirements are covered with current wording.		American Petroleum Institute	baniake@api.org	202-682-8135
38	David Zollo	AffirmativeWithComment	10.4.5.6	Paragraph & Table 28	Technical	Drill requirement of RX sizes has been removed from API 6A, 21st edn. Therefore, drill has to be removed in RX drawing.	RX Drawing needs to be changed as per Table D.10 - Type RX Ring Gaskets. Hole in RX drawing (Table 28) needs to be removed.	Accepted	Table 28 drawing revised		TechnipFMC	david.zollo@technipfmc.com	281-591-4506

39	Edmund Baniak	NonVoter	10.4.5.7	1st sentence	Editorial	Do not need to add "manufactured according to this specification" since we do not write requirements for gaskets made to OTHER standards and this is redundant with the 2nd sentence.	Delete 1st sentence.	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
40	Jonathan Harder	AffirmativeWith Comment	10.4.5.7	last	Technical	"No visible surface defects" is not clear - how much of an irregularity is considered a defect? Defect is not defined. Is only a crack considered a surface defect or is a visible surface defect any visible surface finish that is rougher than allowable?	Define what constitutes a defect or change this to "No visible cracks are permitted..." or "No visible cracks nor areas with surface finish rougher than allowable are permitted on the sealing surface as identified in Table 28."	Not Accepted	Added visible inspection procedure per manufacturer.... "All ring gaskets shall be visually inspected in accordance with the manufacturer's written specification. No visible surface defects are shall be permitted on the sealing surface as identified in Table 28."		Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
41	Edmund Baniak	NonVoter	10.4.5.7	last sentence	Technical	As written, this is a note. Make it a requirement	Change to: No visible surface defects shall be permitted on the sealing surface as identified in Table 28.	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
42	Edmund Baniak	NonVoter	10.4.5.8	1st sentence	Editorial	Do not add "section" when referencing individual clauses. And it is conform to, not "with".	Change to: Traceability for ring gaskets shall conform to 10.4.2.8, PSL 3.	Accepted in Principle	In addition to proposal PSL was changed from "3" to "2"		American Petroleum Institute	baniake@api.org	202-682-8135
43	Edmund Baniak	NonVoter	13.5	last sentence	Editorial	Missing "an"	Change to: Ring gaskets with an outside diameter greater than 14" shall be shipped and stored horizontally (flat).	Accepted			American Petroleum Institute	baniake@api.org	202-682-8135
44	Jonathan Harder	AffirmativeWith Comment	13.5	first	Technical	The first sentence does not specify a level/type of protection or anything additional to what is required in the second sentence (all wrapping/boxing provides some protection, so meeting the second sentence automatically meets the first sentence). We should avoid requirements that are vague/redundant without adding anything useful.	Delete the first sentence.	Accepted in Principle	Reworded second sentence to address comment		Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
45	Loc Hoang	AffirmativeWith Comment	13.5	First paragraph	General	The sentence "Ring gaskets with outside diameter greater than 14" shall be shipped and stored horizontally (flat)." has little functional benefit. The requirement sometimes is impractical especially when gasket is shipped in a container with other products. The packaging box needs to show the shipping orientation that could special or separate shipment.	Delete the paragraph or change to be a NOTE	Accepted in Principle	Reworded as recommendation		Cameron	lhoanghou10@gmail.com	none
46	Loc Hoang	AffirmativeWith Comment	13.5	First paragraph	General	The sentence "Ring gaskets with outside diameter greater than 14" shall be shipped and stored horizontally (flat)." has little functional benefit. The requirement sometimes is impractical especially when gasket is shipped in a container with other products. The packaging box needs to show the shipping orientation that could special or separate shipment.	Delete the paragraph or change to be a NOTE		Duplicate		Cameron	lhoanghou10@gmail.com	none
47	Roberto Lodovichi	NonVoter	13.5	13.5	Technical	Even if the "Ring gaskets with outside diameter greater than 14" shall be shipped and stored horizontally (flat)." are shipped in flat position but without adequate support, deformation is still possible.	Ring gaskets with outside diameter greater than 14" shall be shipped and stored horizontally (flat), with an adequate support to avoid distorsion (eg. cardboard, wood platform). It is not allowed to store or ship the ring gasket greater than 14" stacked	Not Accepted	See comment 44&45		2R Consulting	roberto@2rconsulting.com	3.93286E+11
48	Roberto Lodovichi	NonVoter	14.2.3.3.1	14.2.3.3.1	Technical	As written the manufacturer can use a documented WPS, not supported by any qualification (no qualification is required)	For welded gaskets, the manufacturer's documented fabrication and WPS shall be followed. The WPS selected shall be supported by a PQR as described in 7.3.4.	Accepted in Principle	Reworded paragraph as follows: d) Welded gaskets: The manufacturer's welding process shall be validated and documented.		2R Consulting	roberto@2rconsulting.com	3.93286E+11
49	Loc Hoang	AffirmativeWith Comment	14.2.3.3.1	Last paragraph	Editorial	Extra space between "procedures" and "shall" words	Delete extra space	Accepted	Accepted - Deleted two extra spaces		Cameron	lhoanghou10@gmail.com	none
50	Edmund Baniak	NonVoter	14.2.3.3.1	Last sentence	Technical	Do we need to tell a company to follow their procedures?	Reword to: The manufacturer shall document procedures for welded gaskets..	Accepted in Principle	Reworded paragraph as follows: d) Welded gaskets: The manufacturer's welding process shall be validated and documented.		American Petroleum Institute	baniake@api.org	202-682-8135
51	Edmund Baniak	NonVoter	14.2.3.3.1	Letter c	Editorial	Last sentence of letter "c" is a note and should be stated as such	Change to: c) Hot working practices: Wrought materials shall be hot worked throughout. NOTE Ring gaskets may be made from pierced tubing or pipe, rolled rings, or rolled and welded bar or plate.	Not Accepted	May is not informative therefore NOTE would not apply		American Petroleum Institute	baniake@api.org	202-682-8135
52	Edmund Baniak	NonVoter	14.2.3.3.1	2nd Sentence	Editorial	What is a melt shop? Is it like a deli that had tuna melts and BLTs? And this document cannot impose requirements on organizations outside of the manufacturer of this equipment.	Change to: The manufacturer shall verify that the material is homogeneous, free from cracks, banding, piping, and flakes.	Accepted in Principle	Text modified		American Petroleum Institute	baniake@api.org	202-682-8135

53	Edmund Baniak	NonVoter	14.2.3.3.2	4th paragraph	Technical	Last sentence makes reference to a procedure. What procedure?	Change to: Transfer time shall be specified or include with the earlier one Heat treatment, including transfer time, shall be specified.	Accepted in Principle	See 54		American Petroleum Institute	baniake@api.org	202-682-8135
54	Edmund Baniak	NonVoter	14.2.3.3.2	4th paragraph	Technical	Reference to heat treatment procedures is awkward. The fact that the manufacturer can specify the H.T, means that is the superceding requirement.	Change to: Heat treatment shall be specified.	Accepted in Principle	Reworded requirement		American Petroleum Institute	baniake@api.org	202-682-8135
55	Jonathan Harder	AffirmativeWith Comment	14.2.3.3.2	third	Technical	"depending on the material grade" is an unclear requirement. If only normalizing or only annealing is suitable for some materials then we should state such a requirement. If both options are allowable for soft iron or carbon or low alloy steel, then we don't need to include "depending on the material grade" here.	either delete "depending on the material grade" or clearly state any requirements that depend on the material grade (i.e. "Soft iron shall be normalized. Carbon or low alloy steel shall be annealed.", depending on what the 6A metallurgy experts want)	Accepted			Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
56	Jonathan Harder	AffirmativeWith Comment	14.2.3.3.3	third	Technical	The first sentence of the third paragraph is confusingly worded and appears to be grammatically wrong. "Specific manufacturing process" is not clearly different from "manufacturing process".	For stainless steel and CRA materials manufactured by the centrifugal casting method, a process validation shall be performed and documented for a sample heat for each material and each manufacturing process.	Accepted			Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
57	Edmund Baniak	NonVoter	14.2.3.3.3	Last paragraph	Editorial	Last sentence needs upper case ID and OD. And the requirement should conform to, not "meet". Get rid of "applicable" which is not auditable.	Change to: The chemical composition at the gasket OD and ID dimension shall conform to the UNS with the specified ASTM chemistry product tolerances.	Accepted in Principle	The chemical composition at the gasket OD and ID dimension shall conform to the manufacturer's specified tolerances.		American Petroleum Institute	baniake@api.org	202-682-8135
58	Edmund Baniak	NonVoter	14.2.3.3.3	1st sentence	Editorial	Keep wording the same as similar uses in this document.	Change to: The chemical composition of soft iron, carbon steel, or low alloy steel ring gaskets shall be specified in the manufacturer's material specification (see 6.2)	Accepted in Principle	The chemical composition of ring gaskets shall be specified in the manufacturer's material specification (see 6.2)		American Petroleum Institute	baniake@api.org	202-682-8135
59	Loc Hoang	AffirmativeWith Comment	14.2.3.3.3	First sentence of the last paragraph	Editorial	To be uniform and clear (when compare to the two above paragraphs", it needs to be more specific	Change to "The chemical composition of stainless steel and CRA"	Accepted			Cameron	lhoanghou10@gmail.com	none
60	Loc Hoang	AffirmativeWith Comment	14.2.3.3.3	Last 2 sentences of the last paragraph	Technical	The chemistry of molten material is from same heat when pouring into the centrifugal mold and the cast tube wall is relative thin. It is redundant to perform chemical analyses at the OD and ID of the cast tube (not gasket). It is more important to check the quality of the tube at gasket OD and ID locations for any inclusions	Delete "The analysis shall be performed at the OD and ID of the ring gaskets" Change to "The chemical composition of the cast tube shall meet the applicable UNS with the applicable ASTM chemistry product tolerances. The quality of material at the gasket location shall be free of inclusions. Revalidation shall be required for any changes in process controls."	Not Accepted	Paragraph reworded		Cameron	lhoanghou10@gmail.com	none
61	Ramon San Pedro	AffirmativeWith Comment	14.2.3.3.3	Third	Editorial	In "gasket od and id dimension", "OD" and "ID" should be capitalized.	Use OD and ID.	Accepted			Stress Engineering Services, Inc.	ramon.sanpedro@stress.com	281-955-2900
62	Edmund Baniak	NonVoter	14.2.5	Table 39	General	Placement of the new requirement for traceability as the 2nd line implies that it needs to follow the DOM. That may require redoing lots of marking templates	Recommend putting this requirement at the end of the table suggesting this can just be added to the existing marking requirements.	Not Accepted	Table as written does not require any specific order		American Petroleum Institute	baniake@api.org	202-682-8135
63	Edmund Baniak	NonVoter	15.2.3	Last sentence	Technical	Last statement is a note. Should change to an allowance	Change to For Nonintegral Metal Seals, test records shall conform to manufacturer requirements.	Not Accepted	Changed wording to make requirement into note. NOTE: For Nonintegral Metal Seals, no records are required		American Petroleum Institute	baniake@api.org	202-682-8135
64	Eric Wehner	YetToVote	15.2.3	3rd bullet	Technical	Job lot traceability required by proposed 15.2.3.conflicts with heat & heat-treat lot traceability required by proposed 10.4.5.8. A job lot can include multiple heat or heat-treat lots.		Accepted	Changed 10.4.5.8 from PSL 3 to PSL 2			eric.s.wehner@gmail.com	713-725-0192
65	danny fugate	NonVoter	15.2.3	1	Technical	Add requirement for manufacturer to provide a COC confirming 6A requirements are satisfied.	For Ring Gaskets, a COC and the following material test records shall be maintained: — chemical analysis / heat number; — hardness test; — job lot traceability	Accepted in Principle	Added wording to 15.3.3 and modified marking requirements in Table 39		BP	danny.fugate@bp.com	18324541767
66	Edmund Baniak	NonVoter	B.7	1st sentence	Technical	If fire test is required, it will be specified. So no need to put the "should" statement in.	Change to: When fire resistance qualification of equipment in this specification is required, the test requirements for qualification shall be specified..	Accepted in Principle	When fire resistance qualification of equipment in this specification is required, the test requirements for qualification shall be specified. NOTE: See API 6FA (for valves) and API 6FB (for OECs) for guidance.		American Petroleum Institute	baniake@api.org	202-682-8135
67	Ashokkumar Alalasundaram	NonVoter	Table 17	Table 17	Editorial	I have provided 4 comments, running 8 pages in the attachment.	I have provided 4 comments, running 8 pages in the attachment.	Accepted in Principle	Recommendation - Accept (after review) perhaps accept in principle. This is a technical comment.	https://eballotprodstorage.blob.core.windows.net/eballotscontainer/API%206A-Addendum%203-Ballot%205655-Ashok.docx	NUSTAR TECHNOLOGIES PTE LTD	ashok.a@nustar-tech.com	+6591889165

68	David Zollo	AffirmativeWith Comment	Table 17	Table 17	Technical	For Temperature Class P,S,T,U - Is impact testing required for GR 660 studs larger than 2.50 in thread size ? Currently footnote "a" is requiring impact test for stud larger than 2.50" where temp class K,L is not required. Footnote "c" is applicable to both column for GR 660D Bolting to address no impact testing requirement for all sizes.	For consistency in requirement , footnote "c" should be added to GR66D bolting for temp class P,S,T,U. Foot note "c" should be revised to -" All sizes - Impact testing is not required for A453/A453M GR.660D"	Accepted in Principle			TechnipFMC	david.zollo@technipfmc.com	281-591-4506
69	David Zollo	AffirmativeWith Comment	Table 17	Table 17	Technical	For Temperature Class P,S,T,U - Is impact testing not required for CRA bolting smaller than 2.50 in thread size ? Currently footnote "a" is requiring impact test only for bolting larger than 2.50" where temp class K,L has requirement for testing of all sizes as per API 6ACRA. Footnote "d" is applicable to both column for CRA Bolting to address impact testing requirement for all sizes.	For consistency in requirement , footnote "d" should be added to CRA bolting for temp class P,S,T,U. Foot note "d" should be revised to -" All sizes - Impact testing per API 6ACRA."	Accepted in Principle			TechnipFMC	david.zollo@technipfmc.com	281-591-4506
70	Lester Burgess	NonVoter	Table 17	Table 17	Technical	Additional information	Delete the entire row on impact testing. Reference note "a" on all grades so affected. Change note "b" to state "impact testing not required" and reference on the appropriate grades (nuts and A453). Change note "c" to state "impact testing required" and reference for the applicable grades.	Accepted in Principle			WN Global	lburgess@wn-global.com	7132947946
71	Sterling Lewis	Affirmative	Table 17	footnote b	Editorial	statment "Acceptable ASTM standards and grades for nuts" might lead people to believe impacted tested grades of nuts are not acceptable.	change note be to read "b impact tested grades of these nuts are acceptable but not required"	Accepted in Principle	a Impact testing is not required for nuts unless specified by the ASTM reference standard		ExxonMobil Production Company	sterling.f.lewis@exxonmobil.com	832-624-3238
72	Lester Burgess	NonVoter	Table 17	Table 17	Technical	A453 does not have any impact require-ments	Remove impact require-ments for A453	Accepted			WN Global	lburgess@wn-global.com	7132947946
73	Loc Hoang	AffirmativeWith Comment	Table 28	BX and RX figures	Technical	The sealing surface of RX and BX are only on OD of the 23 degrees chamfers (top and bottom)	Remove the dark heavy lines and arrow on inside ID	Not Accepted	Table 28 drawing revised per comment 38. TG agreed to leave BX as is.		Cameron	lhoanghou10@gmail.com	none
74	Sterling Lewis	Affirmative	Table 39	Table 39	Editorial	Example marking - provide example with no dashes	Change "RX 39 316-F" to "RX 39 316 F"	Accepted			ExxonMobil Production Company	sterling.f.lewis@exxonmobil.com	832-624-3238
75	Jonathan Harder	AffirmativeWith Comment	Table 39	table	Editorial	"our" should be "or"	replace "our" with "or"	Accepted			Red Deer Ironworks	jharder@rdironworks.com	+1 403-343-1141
76	Loc Hoang	AffirmativeWith Comment	Table D.12/E.12	Footnote 'a'	Technical	Footnote a) in table D.12/E.12 says "The variance in width (A) or height (H) shall not exceed 0.10 mm (0.004 in.) throughout its entire circumference" The 10.4.5.4.2.2 (inspection large gasket) says "Cross-section and height of BX gaskets shall be inspected by measuring the Ring width (A) and Ring Height (H) at a minimum of 4 equidistant locations" The 10.4.5.4.2.3 (acceptance criteria for all gaskets) states that "The variance in width (A) or height (H) shall not exceed 0.10 mm (0.004 in.) at any measured location." This is in conflict between the requirements.	Delete footnote 'a' in both table D.12 and E.12. This is now covered in the new acceptance criteria section. Or have the requirement in 10.4.5.4.2.3 same as the tables	Accepted	Revised table D.12/E.12 - Removed footnote a, Accounted for change in section numbers in both Tables D.12/E.12.		Cameron	lhoanghou10@gmail.com	none
77	ASHOKKUMAR ALALASUNDARAM	NonVoter	Table E.9	Table E.9	Editorial	I have provided 4 comments, running 8 pages in the attachment.	I have provided 4 comments, running 8 pages in the attachment.	Noted	Noted - Will make drawings with consistent formatting in future editions Table D.9/E.9 will be updated to address this comment	https://eballotprodstorage.blob.core.windows.net/eballotscontainer/API%206A-Addendum%203-Ballot%205655-Ashok.docx	NUSTAR TECHNOLOGIES PTE LTD	ashok.a@nustar-tech.com	+6591889165