

	Name	Clause Subclause Number	Paragraph	Type of Comments	Comments	Proposed Change	Task Group Response
2	Brandon Bounds	1	1.2	Editorial	The title of MSS SP-141 doesn't belong in this paragraph since in Normative Reference	Delete title of MSS SP-141.	Accepted
3	Brandon Bounds	1	1.1	Editorial	This is not a standard, but rather an RP. In last sentence it refers to itself as a standard.	In last sentence, change to begin with "Parts of this RP"	Accepted
4	Brandon Bounds	1	1.2	Editorial	This is not a standard, but rather an RP. In third sentence it refers to itself as a document.	In third sentence, change to end with "scope of this RP". Correct all other instances in this RP which are located in Section 2 first paragraph, Section 3 first paragraph, Section 6.11.2.2,	Accepted
5	Yuichi Asano	1	1.1	General	API Std. 602 is not within the scope.	On the other hand, API RP 591 includes API Std. 602 within its scope, so it would be better to ensure that API Std. 602 is also included in API RP 621, because API 602 valves will also	TG discussed and agreed that API 602 does not need to be included. There are complexities in adding requirements for 602 valves into the existing document and the percentage of API 602 valves being repaired is extremely small.
6	Michael Alford	1.1	1.1	General	Should we also include API 602 and 6D valves to the scope of repair?	Should we also include API 602 and 6D valves to the scope of repair?	API 6DR covers the repair of API 6D valves. This has now been consolidated in with API 6D in the 2021 edition. See above for API 602 valves.
8	Richard Sobilo	1.1	Fist Se	Technical	Why is API 602 not included? It mentions forged valves later on in the paragraph. Maybe the thought is a commercial one?	Consider adding API 602 valves for reconditioning.	See above for API 602
10	Brandon Bounds	10	10.1.k	Editorial	Units should be flipped to make metric first.	38 °C (100 °F)	Accepted
11	Brandon Bounds	10	10.5	Technical	10.1.b requires a tag with the name of reconditioning facility. 10.5 requires the name of the reconditioning company to be stamped on the valve. This seems redundant.	Remove requirement to have the facility on the tag.	Discussed during Fall API and agreed stamping is not required. Removed 10.5 requirement.
12	Brandon Bounds	2	2	Editorial	Website of MSS is incorrect.	https://msshq.org/	Accepted
13	Brandon Bounds	2	2	Editorial	Title of ASME B16.10.	Capitalize both instances of "face"	Accepted
14	Brandon Bounds	2	2	Editorial	ASME PCC-1 has changed from a guideline to a standard and now the title has changed. Also it doesn't seem appropriate to say "Post Construction Code".	"ASME PCC-1, Pressure Boundary Bolted Flange Joint Assembly"	Accepted
15	Brandon Bounds	2	2	Editorial	Title of MSS SP-55 has	Add "Iron and" before "Steel"	Accepted
16	Brandon Bounds	2	2	Editorial	Footnote explaining the standard organization of NACE standards is missing.	Add as footnote: Association for Materials Protection and Performance (AMPP), 15835 Park Ten Place, Houston, Texas 77084,	Accepted
17	Brandon Bounds	2	2	Editorial	The cover page of NACE MR0103 has a different title and designation than shown in API RP 621.	ANSI/NACE MR0103-2015/ISO 17945, Petroleum, petrochemical and natural gas industries — Metallic materials resistant to sulfide stress cracking in corrosive petroleum refining	Noted - Added ISO 17945 reference
18	Brandon Bounds	2	2	Editorial	ASNT SNT-TC-1A is missing from reference section.	Add ASNT SNT-TC-1A, its title, and footnote of standards organization.	Accepted
19	Brandon Bounds	2	2	Editorial	MSS SP-120 is used in Figure B.1 but is missing from	Add MSS SP-120 and its title.	Accepted
20	Brandon Bounds	2	2	Editorial	ASME B16.34 is missing	Add ASME B16.34 and title.	Accepted
21	Brandon Bounds	2	2	Editorial	API Standard 621 is missing	Add API Standard 621 and title.	Accepted in Principle, the reference in section 10.1(a) should refer to API RP 621 not API Standard 621. Corrected the reference to be RP 621.
22	Rick Morris	2	2	General	Newer MSS Standard for HF Alky should have references.	Add to normative references: MSS SP-160 Valves for Hydrogen Fluoride Alkylation Service for guidance on	Added reference to MSS SP-160 in normative and in certain areas of the appendix.
23	Yuichi Asano	2	N/A	General	API Std. 602 is not within the scope.	On the other hand, API RP 591 includes API Std. 602 within its scope, so it would be better to ensure that API Std. 602 is also included in API RP	See above for API 602

24	Jon Robert	2 Normative	2 Normative	Technical	Reference MSS SP-160 Valve for Hydrogen Fluoride Alkylolation Service	Add MSS SP-160 as a Normative Reference	Accepted
26	Yuichi Asano	3	N/A	General	The abbreviation 'OEM' should be clearly defined. An original equipment manufacturer (OEM) refers to a company that produces parts and equipment that may be marketed by another company. However, the term is ambiguous and has multiple common meanings. On the other hand, the term 'original valve manufacturer' is	To improve clarity, 'OEM' should be defined and explained in clause 3 (Terms and Definitions). Alternatively, replacing 'OEM' with 'original valve manufacturer' may be more appropriate and suitable.	Added definition for OEM
27	Brandon Bounds	3	3.1	Editorial	Add DN throughout standard.	Add DN and put NPS in parenthesis. "DN 650 (NPS 26)". {also DN is missing in Section 6.13.1}	Accepted
28	Brandon Bounds	3	3.6	Editorial	OEM is used but is not defined.	Add OEM to Section 3 as its own term.	Accepted
29	Richard Sobilo	3.1	New 3	Technical	Need to define 'Critical Components' to allow for documenting the inspection and their condition later.	Add a definition of Critical components - stem, obturator, seats, gasketed surfaces, valve shell. (Possibly more)	Critical components is not used in the document. No need to add a definition for it.
31	Brandon Bounds	4	4.1.3	Editorial	"the ISO 9001 standard" is	"described in ISO 9001."	Accepted
32	Brian Bergen	4.3	Main P	General	Suggest adding an item requiring a decontamination tag be attached to the valve which contains some level of required information (SDS #, chemicals handled or similar	Suggest adding an item requiring a decontamination tag be attached to the valve which contains some level of required information (SDS #, chemicals handled or similar information)	TG discussed and agreed that the current wording is acceptable.
33	Yuichi Asano	5	5.4.2	Technical	Let me suggest that all replacement parts, including the disposal of components other than old packing, gaskets, and bonnet bolting, should be handled in accordance with the Reconditioner's standard practice. This is because certain materials, such as FKM	Let me propose the following modification to section 5.4.2: All removed components shall be disposed of in accordance with the Reconditioner's standard practice and applicable regulations. If nonstandard materials (such as packing, gaskets, and bolting) are identified by the Reconditioner, they shall be verified with the Owner.	TG discussed and agreed that the "All components" as too broad and left the word as it was.
34	Brandon Bounds	5	5.4.2	Technical	"they shall be verified with the Owner". This is unclear as to its meaning. Is this saying that if the Reconditioner finds nonstandard materials they are to verify the materials are nonstandard with the Owner? What would be the point of wasting the Owner time to do this verification? I think the purpose is just for the	Revise last sentence to end with "If the Reconditioner identifies nonstandard materials (such as packing, gaskets, and bolting), they shall promptly notify the Owner regarding their use."	Split out second sentence of 5.4.2. TG discussed and agreed to keep the current wording.
35	Richard Sobilo	5.1.5	New p	Technical	Mention the possibility of the Owner/User wanting a as-received closure test, especially on maybe a critical check valve.	5.1.5 Consideration for an as-received closure test shall be available upon request by the Owner/User.	Agree in principle, make sure it is clear that it is not standard but when requested. Need to keep decontamination in mind. Added the following in 5.4: "If specified by the Owner/User an as-received closure test may be required prior to disassembly."

					Consider adding a definition for "Alloy Material" per API RP-578. There are 29 uses of the word "alloy" in the current draft. Need to check latest edition, but 3rd edition 2018 has this definition: o Alloy Material – Any metallic material (including welding filler materials) that contains alloying elements, such as chromium, nickel, or molybdenum, that are intentionally added to enhance mechanical or physical		
	Jon Robert	3	3	Editorial			Accepted - added new definition for Alloy Material
	Jon Robert	4.3.6	4.3.6	General	4.3.6) Consider revising this sentence, current wording is "Valves to be shipped to the Reconditioner shall: attach a tag stating that the valve has been decontaminated."		Accepted - updated wording.
37	Jon Robert	5.3 Travel	5.3.2 c	Technical	Requirement for weld map exceeds what is required by some End Users, and exceeds what is required for most new valves. Allow use of pictures or detailed description as	weld repair traceability [welder's ID, welder qualifications, welding procedure specifications (WPSs), procedure qualification records (PQRs), weld material certification (MTR), weld location (weld map,	Agreed
39	Richard Sobilo	5.3.2.f)	New b)	Technical	The condition of critical components should be captured. It may allow for some understanding of valve	f) the condition of critical components, as defined in Section 3;g) additional information...	Change 5.3.2 b) to " the condition of the as received components and scope of work performed"
41	Yuichi Asano	6	6.1.3.3	Technical	"In section 6.20, 'Grease Injectors' are not mandatory components to be replaced, as the requirement specifies: 'Grease injection ports shall be verified to be clear, that the double ball check valves are operating correctly, and	e) Grease fittings' should either be removed. Alternatively, a clear explanation of the differences between 'grease fittings' and 'grease injection' should be added to section 6.1.3.3 for clarification.	Add Handwheels and Operators to 6.1.3.3 e).
42	Yuichi Asano	6	6.11.1	Technical	The quantity of packing rings may be specified by the original valve manufacturer. Depending on the valve design specifications, such as a standard design with three rings of packing and an O-ring,	Let me suggest replacing 'the packing manufacturer' with 'OEM' to ensure consistency and clarity in terminology.	TG discussed and agreed to leave the wording as is.
43	Yuichi Asano	6	Figure	Technical	The BONNET is also a critical and important component as part of the pressure boundary.	Measurement locations for the bonnet should be added. Because in the case of vertical piping, there is a possibility that the fluid may come into contact, leading to corrosion and a reduction in	Accepted
44	Yuichi Asano	6	Figure	Technical	The CAP is also a critical and important component as part of the pressure boundary.	Measurement locations for the cap should be added. Because in the case of vertical piping, there is a possibility that the fluid may come into contact, leading to corrosion and a reduction in	Accepted
45	Yuichi Asano	6	Table 3	Technical	Various polymeric sealing components, such as plastic lip seals with PEEK or PFA and elastomeric O-rings, are not covered in this table.	A line for 'O-rings' should be added, specifying that their surface finish should be 1.6 µm. Additionally, it would be preferable if the surface finish for other polymeric plastic	Discussed during fall API and agreed to not add these materials.
46	Yuichi Asano	6	6.15.3	Technical	The requirement regarding "Out-of-straightness..." is overly strict; moreover, it has already been eliminated from both API 600 and API 623.	The requirement stating that "the out-of-straightness of the entire length of the stem shall not exceed 0.001 mm/mm (0.001 in/in)" should be deleted.	Not Accepted - Valve reconditioners need to have a criteria to measure stem straightness. Discussed during the spring CRE meeting, and no concerns were brought up on the current criteria of 0.001in/in from the group. Added clarification that the criteria is based on the stem length.

47	Yuichi Asano	6	Table 2	Technical	The conversion from inches to millimeters is incorrect, or there is TYPO (1/4").	It should be revised to match the same values as API600 Table 5. Specifically, 1/4 inch should be	Updated as suggested
48	Yuichi Asano	6	6.2	Technical	The explanation in the 6.1.3.3 does not align with the 6.20.	Please adjust the content to ensure consistency. Refer to my comment regarding section 6.1.3.3 for further	Clarified 6.1.3.3 applies to grease fittings on handwheels and operators.
49	Brandon Bounds	6	Table 1	Technical	DN and NPS are dimensionless and not "mm" and "in."	Delete "(mm)" and "(in.)"	Agreed
50	Brandon Bounds	6	Table 4	Editorial	NPS is shown as first column, but Tables 1 and 2 list DN first	Switch DN to be the first column, before NPS.	Accepted
51	Brandon Bounds	6	6.1.1.1	Editorial	Section IX should say ASME Boiler and Pressure Vessel Code before it and not after it.	ASME Boiler and Pressure Vessel Code, Section IX.	Accepted
52	Brandon Bounds	6	6.1.2.3	Editorial	The SNT standards organization is missing. Also ASME BPVC is missing.	"ASNT SNT-TC-1A Level II technicians certified to procedures in accordance with ASME Boiler and Pressure Vessel Code, Section V shall evaluate NDE	Accepted
53	Brandon Bounds	6	6.9.3	Editorial	ID and OD are not defined in Section 3.	"is permitted on the gland inside and outside diameter."	Accepted
54	Brandon Bounds	6	6.10.3	Editorial	Is "not secured by friction" the only way to define not being positively secured? Is the use of e.g. correct here or should it	"positively secured (i.e. not secured by friction).	Accepted
55	Brandon Bounds	6	6.11.1	Editorial	"i.e." is missing in the	sealing area (i.e. the area of the...	Accepted
56	Brandon Bounds	6	6.11.1	Editorial	quarter turn should have a	"quarter-turn". Fix the other 7	Accepted
57	Brandon Bounds	6	6.11.2	Editorial	Up to this point in the standard the abbreviation NDE has been used, but here it switches to NDT. Also PT is not defined but its use in () after NDT seems to imply that NDT means PT. Define PT before using it in the standard. Same for MT later on	"via surface NDE [e.g. liquid penetrant examination (PT)]." Or is it first defined in 6.15.8 as penetrant test?	Accepted
58	Brandon Bounds	6	6.11.3	Editorial	MSS should have a dash after	"MSS SP-55"	Accepted
59	Brandon Bounds	6	6.11.3	Technical	WC6, WC9, C5, and C12 are grades from an ASTM but the ASTM is not referenced.	"ASTM A217 Grades WC6, WC9, C5, and C12; nickel alloys; and austenitic stainless castings shall be". Also add ASTM A217 to reference section with its title. Also add standards	Changed wording to be "All alloy materials..."
60	Brandon Bounds	6	Table 1	Technical	DN 200 is equivalent to NPS 8 and not NPS 6	DN 200 = NPS 8	Updated as suggested
61	Brandon Bounds	6	6.11.5	Editorial	Paragraph begins with a quotation for no reason	Delete the "	Accepted
62	Brandon Bounds	6	6.14.2	Editorial	The first instance of "32 µin.)" seems to use the period as the end of the sentence, but the last sentence in this paragraph has another use of "32 µin.)", but this one ends with ".).".	Be consistent in the use of or lack of use of a period to end the sentence after "32 µin.)"	Accepted - Updated to use ".).".
63	Brandon Bounds	6	6.15.2	Editorial	Liquid penetrant is not considered a test but an	"perform liquid penetrant examination to check for cracking"	Accepted
64	Brandon Bounds	6	6.15.7	Editorial	The NOTE on this page is talking about "this table", but the table is not actually on this page. Move the note to appear	Move note to be after table.	Accepted
65	Brandon Bounds	6	6.15.7	Editorial	The NOTE refers to API 600 current edition, but since referencing a specific section number, I understand API procedure is to refer to a standard year/edition instead	"given by API Standard 600-XXXX, section 5.8.1 or" where xxxx is the edition of API 600 that is published at time of finalizing this standard.	Accepted - added 2021.
66	Brandon Bounds	6	6.16.1	Editorial	There should be a period after ASME B16.34 to end the	"ASME B16.34. Installed bolting"	Accepted
	Jon Robert	5.4.5	5.4.5	Technical	5.4.5 add "body, bonnet," between "vavle's" and		Accepted

	Jon Robert	6.11.1.3	6.11.1	Editorial	6.11.1.3 -- change the part in parenthesis to read (i.e. the area of the stuffing box that contacts the top packing rings). Original wording was "the top six packing rings" when stuffing boxes were often deeper and commonly had		Accepted
67	Jon Robert	6.11.3.4	6.11.3	Technical	Add minimum requirement for Surface NDT for identification of cracks	6.11.3.4 WC6, WC9, C5, C12, nickel alloys, and austenitic stainless casting metallurgy shall be verified by positive material identification (PMI) and surface examination as specified by the Owner. If surface examination is not specified or waived by the Owner then at a minimum it shall be performed per ASME B16.34 Section	Split out surface examination into separate item: "For all alloy materials, if surface examination is not specified or waived by the Owner then at a minimum it shall be performed per ASME B16.34-2025 Section 8.3.1.2 for linear indications."
	Jon Robert	6.11.3.8	6.11.3	Technical	6.11.3.8 – add "g) Owner shall specify additional NDE procedures. When additional NDE is not specified the reconditioner shall perform liquid penetrant examination of the weld as a minimum unless waived by the owner." If this is added then 6.11.3.9 and 6.11.3.10 can be deleted as they are redundant to 6.11.3.8.		Accepted - Added new item g and deleted the old 6.11.3.8/9.
	Jon Robert	6.11.3.11	6.11.3	Technical	6.11.3.11 b) – need to consider if we want to change this. 6.1.2.1 required PT examination of all welds as a minimum, but this paragraph says only VT is required, and that "additional NDE may be specified." That seems contradictory. Also, we should consider deleting this paragraph, as it says unless otherwise specified the reconditioner "shall" seal weld threaded plugs, but in the main paragraph 6.11.3.11 it says "if required by the Owner, the threaded connections shall be		Accepted
	Jon Robert	6.11.3.11	6.11.3	Technical	6.11.3.11 e) – consider changing this to "PMI of all replacement alloy materials is required." In some cases there are multiple components attached to valves received for repair and PMI of the as found components can be extensive. I believe that adding "replacement" is consistent with the original intent of this paragraph (looking at 3rd Edition). But if owner's do want all as found plugs, nipples, fittings, etc. PMI'd (it is not uncommon to find materials different from the body or bonnet) then change wording to "PMI of all alloy		Accepted

	Jon Robert	6.11.4.1	6.11.4	Technical	6.11.4.1 – Change Variation for NPS 4 to 14 to be ± 0.125 (± 3.2) to use standard 1/16" increments, and to put the metric equivalent closer to the		Accepted
69	Jon Robert	6.11 Bod	6.11.5	Editorial	Unecessary " at start of this paragraph	remove the "	Accepted
71	Richard Sobilo	6.11.2.3	New p	Technical	Is the limited duration shell test able to determine a pin hole water leak in the bellows through loosened packing?	Should a helium leak, as identified in the MSS document, more appropriate for a bellows seal valve. (One saving grace is you still have packing, so it is like belts and suspenders, but bellows seal valves also may be used in toxic services, where zero emissions are critical.)	Added new requirement "C.2.1.5 For bellows sealed valves, a gas shell test (i.e., nitrogen or helium) with the packing loose shall be used to verify the integrity of the bellows. The test duration of the test shall be per API Standard 598. The minimum test pressure for the bellows gas test shall be the lower of 500 psig or 80% of the valve working pressure by class and material rounded up to the nearest 25 psi increment at ambient temperature. No leakage is allowed."
73	Michael Alford	6.11.3	Table 2	General	A comment was made on the 2nd ballot of the 5th revision regarding not knowing where the minimum shell thickness values in Table 2 came from. oThe table data is based on multiple previous end user standards which were being used when API RP 621 was original issued. The resulting table (table 2) has been included in each of the previous revisions. During the 4th revision, the TG reviewed the differences between API 600 and API 621. There is no constant corrosion allowance (e.g. 1/16", 5%, etc.) that seems to have been used on	At the next revision, consider looking into this table and possibly standardizing the minimum thickness values. There are some Excel spreadsheets that the Task Group used to compare these values.	Not accepted - TG discussed and agreed to leave the table values as they are. There have not been any reported issues or concerns with these values.
75	Rick Morris	6.11.3.1	6.11.3	Technical	MSS SP-55 is lowest level for VT applicable to carbon steel and 300 series SS. Worth adding higher alloy VT criteria.	Add: "for carbon steel, low alloy, and austenitic stainless steel.: Add sentence "For higher alloy castings (e.g. duplex, incoloy, nickel alloys, superaustenitic), VT per ASTM A802 to Level 1 criteria.	Not Accepted - TG discussed and agreed that applying the ASTM A802 level 1 criteria needs to be included in the product design standards and API 598 before it is included in the this document. See comparison from Jon Robert. Add to the Consider for the Next Revision file for API 599, 600, 603, 623, 594, 598.
76	Richard Sobilo	6.11.3.1	Entire	Technical	Many things are assumed to be correct. Should these auxiliary connections be inspected and if there is any issue current ASME B16.34 requirements are	Something like... "Any modifications to auxiliary connections shall be done in adherence to the current requirements in ASME B16.34."	Discussed and agreed not to add any new requirements, the existing requirements are adequate.
78	Rick Morris	6.11.3.1	6.11.3	Technical	PMI results and locations to be mapped on repair records.	Add sentence to the end of "e": "PMI test results and locations tested shall be recorded on test records.	Accepted in principle, but changed "locations" to "components".
79	Rick Morris	6.11.3.3	6.11.3	Technical	Higher levels of NDE should be added for HF Alky and severe service	Add sentences: "HF Alky Service Valves should have NDE per MSS SP-160 Appedix X1. Incoloy, duplex, superaustenitic, & nickel alloys shall have LPT per ASTM A903 Level III criteria on all accessible surfaces and RT of critical areas per ASME B16.34. For carbon steel and low chrome valve castings in Hydrogen (H2) service for Class 900 and higher,	The following criteria was added "6.11.3.5 For all alloy materials, if surface examination is not specified or waived by the Owner then at a minimum it shall be performed per ASME B16.34-2025 Section 8.3.1.2 for linear indications." For service specific applicaitons refer to Annex E. The owner should be specifying what inspection and testing is required for the castings.
80	Richard Sobilo	6.11.3.5	Figure	General	We talk about three locations for the body, but only show two symmetrical locations on the Figure 1. Are they supposed to do three of the four?	No strong suggestion here, maybe just clarification.	Noted - Figure 1 will be revised to also include the area between the body and bonnet transition.

82	Rick Morris	6.11.3.7	6.11.3	Technical	After weld repairs and PWHT, we should cover hardness testing and PMI	Add a new 6.11.3.7 d) After PWHT, weld repairs shall be hardness tested, PMI tested, and any major repairs mapped on repair records.	Split out suggested comments in 6.11.3.7.
83	Michael Alford	6.11.4	Table 3	General	A comment was made in the closeout report for API 602 which was flagged as something to possibly include in API RP 621. The below comment was provided for API 602, but the API 602 TG felt that it would possibly apply to API 621. From Tony Smart (Shell): Upon valve repair, a work-hardened ring joint gasket may coin the mating flange grooves making it difficult to re-seal. This is well-known and addressed in the ASME B16.20 but not in API 600.	Consider addressing this issue: Ring-joint gaskets shall have a hardness equal to or less than that shown ASME B16.20, Table 1. In addition, the difference in hardness between the ring-joint gasket and the body/bonnet groove shall be at least 30 Brinell (HBW). This comment is copied and pasted from API 600. API 602 does not address valve repair. The body/bonnet joint design is often more custom joints (vs. the valve end flanges). The general consensus was to give the manufacturer flexibility to optimize the body/bonnet joint design. This could potentially be an item for Valve Reconditioning (API 621). No change. oReviewed with TG decided to not include this at this time since it	Accepted in Principle - Added new paragraph "Gasket grooves for ring-joint gaskets can experience wear due to work hardening of the gasket and shall be reconditioned to meet the requirements of ASME B16.20. Ring-joint gaskets shall have a hardness equal to or less than that shown ASME B16.20[."
85	Rick Morris	6.11.5.1	6.11.5	Technical	Flange face parallelism should be checked. Discussed in other SCOPV / IOGP / API 6D meetings.	Add a sentence about checking flange parallelism (for bolted joint / gasket performance). Section 5.7.1.2 to 5.7.1.3 of API 6D and IOGP overlay. (nut 1 degree is covered already in API	Not Accepted - Task group discussed and agreed to hold off on this change for this revision. Owner/Users on the call did not report any major issues related to the valve flange parallelism. Add to Consider for Next Revision file.
86	Rick Morris	6.14.7	6.14.7	Technical	We should add the API 594 statement on check valve disc holding nut to be positively secured to the stud.	Add a sentence to the end of 6.14.7. "For API 594 Type "A" single-plate valves and Type "B" valves, if a nut is used to assemble the disc or plate to the hinge arm, the nut shall be positively secured to prevent separation of the connecting parts. OR use these words as another option: Disc retaining nut shall be mechanically secured per API 602 or API 594 (with pinning or filletwelded at	Accepted - added new paragraph with wording "For API 594 Type "A" single-plate valves and Type "B" valves, if a nut is used to assemble the disc or plate to the hinge arm, the nut shall be positively secured to prevent separation of the connecting parts."
87	Rick Morris	6.14.8	6.14.8	Technical	Check valve springs often crack if 300 series SS from CL SCC. Discuss upgrade to higher alloy springs as a	Add sentence: For cracked springs, consider whether a spring material change is appropriate with the customer.	Accepted in Principle - added the following wording "If the spring(s) are found to be cracked, the owner should be notified."
88	Richard Sobilo	6.15.9.c)	Definit	Editorial	Perhaps cylindrical variation is defined somewhere else, but it seems to be different than taper, so I am not sure exactly was it is, out of roundness?	Define it, have a figure defining how to measure the stem.	Not Accepted - TG discussed and agreed to keep the existing wording.
90	Michael Alford	6.16	6.16	General	For valves in NACE MR0103 services, the bolting shall be specified as either exposed or non exposed bolting which can change the material requirements. Bolting that is covered or insulated is	For valves in NACE MR0103 services, the bolting shall be specified as either exposed or non exposed bolting which can change the material requirements. Bolting that is covered or insulated is considered as exposed bolting.	Accepted - Added wording "6.16.3 Valves meeting NACE MR0103 utilize either exposed bolting or non-exposed bolting, which shall be specified by the owner/user."
92	Rick Morris	6.16.1	6.16.1	Technical	Bonnet bolting is more accurate inside the relevant API standards than B16.34. Various foot note warnings in API and deference to strain	Replace "ASME B16.34" with the applicable API standard preferred, or ASME B16.34 otherwise"	Not Accepted - The current wording refers to the design standard or owner specified materials. If that is not available then it goes to ASME B16.34. Added "(e.g., API)" to the first sentence.
93	Rick Morris	6.2	6.2	Technical	Most users of HF Alky valves don't want grease injectors renewed, add a sentence as noted.	Add a sentence to the end. " For HF Alky service valves having grease injectors, consult with customer regarding preference for repairing or elimination of the injector location	Not Accepted - 6.20 is general for all services and some valves outside of HF Alky use grease injectors. TG discussed and agreed to leave the current wording. Customer specifications should specify if the grease injectors should be removed.

94	Richard Sobilo	6.2.1.3	New p	Technical	Service craftspeople are making decisions and providing disposition on critical components based upon visual inspection. This condition may help with valve failure data in the future. We	6.2.1.3 The condition of critical components shall be provided on the Traveler. Not only the distress (corroded, bent, cracked, broken, galled, scratched dented, etc.), but also the severity (mild, moderate, severe).	Accepted in Principle - used wording "The condition of critical components shall be recorded on the inspection reports and included in the traveler. Record of defect/damage shall be descriptive; corroded, bent, cracked, broken, galled, scratched dented, etc."
96	Michael Alford	6.7	6.7	General	Consider adding a requirement that any valves that do not have internal stem retaining device are upgraded during the repair unless otherwise approved by the owner.	Consider adding a requirement that any valves that do not have internal stem retaining device are upgraded during the repair unless otherwise approved by the owner.	Accepted in Principle - Added new paragraph "6.15.9 The reconitioner should notify the owner when quarter turn valves do not have a blowout proof stem design. Check valves that have a hinge pin/rod that extends outside of the valve body (i.e., outside weight and lever) and do not have a blowout proof stem design shall also be cause to notify the owner. "
98	Brandon Bounds	7	7.1.2	Editorial	"overlubricate" does not appear to be a word.	"over lubricate"	Accepted
99	Brandon Bounds	7	7.1.4	Editorial	"in accordance per" doesn't sound right.	"in accordance with"	Accepted
100	Brandon Bounds	7	7.1.4	Editorial	Section 2 already says to use the latest edition. No reason to state here. Also now that ASME PCC-1 is no longer a guideline, but rather a standard, is it still considered a	"consistent with ASME PCC-1, to the valve"	Accepted
101	Brandon Bounds	7	7.1.5	Editorial	API 623 reference current edition with a section number, but I understand API procedure is to refer to a standard year/edition when referencing a section from that standard instead of using current	"per API Standard 623-XXXX, section 5.8"	Accepted in principle - Removed specific section reference.
102	Brandon Bounds	7	7.2.4	Editorial	"to confirm that the stem and obturator moves freely". I think moves should be move.	"to confirm that the stem and obturator move freely"	Accepted
103	Brandon Bounds	7	7.2.6	Editorial	The hyperlink of 7.2.1 is missing	Add hyperlink.	Accepted, flagged for API editor to add the hyperlink.
104	Michael Alford	7.2	7.2	General	Look at adding some additional requirements about not using pressure retaining bolts for attaching actuators, gear operators, or mounting hardware to the valve. There have been a few industry incidents of where pressure retaining bolts (cover or top cap bolts, etc.) have been	Look at adding some additional requirements about not using pressure retaining bolts for attaching actuators, gear operators, or mounting hardware to the valve. There have been a few industry incidents of where pressure retaining bolts (cover or top cap bolts, etc.) have been removed in service.	Accepted, this was addressed by another comment
106	Rick Morris	7.2	7.2.7	Technical	We should add that obstructing packing gland bolting with actuators is not allowed to allow for tightening	Add new 7.2.7 "Actuators are not permitted to obstruct packing gland tightening nuts."	Accepted in Principle - Added "7.2.8 Actuators or actuator mounting brackets should not prevent adjustment of the packing gland bolting."
107	Rick Morris	7.2	7.2.8	Technical	Per the CSB report on plug valve failures (see API 599) we should add a sentence in 621.	New 7.2.8. "Actuators or gear operators shall not use pressure retaining fasteners to avoid accidental removal while pressurized in service. See Chemical Safety Board (CSB) report 2021-05-I-TX for safety considerations regarding attachment of gear operators, actuators, and extension mounted actuators. "	Accepted in Principle - Added "7.2.7 Actuators or actuator mounting brackets should not use the valve's pressure retaining bolting to attach the bracket to the valve. Owner's approval is required when the valve's pressure retaining bolting is used to attach the bracket to the valve. When the valve's pressure retaining bolting is used to attach the bracket to the valve, a warning tag shall be installed to caution accidental removal of the pressure retaining bolting. For more information on the hazard of using plug valve pressure retaining bolting to mount the bracket, see Section 5.7 in API 599 9th Edition."

108	Yuichi Asano	9	9.5	Technical	Concentric butterfly valves with rubber seat should not be shipped in the full-closed position. This is because leaving the metal disc in a fully closed state where it compresses the rubber seat can cause permanent compression deformation,	It is better to ship the valve with the disc slightly open and positioned so that it does not protrude beyond the face-to-face dimensions of the valve.	Not Accepted - TG discussed and agreed for the intent of this RP, shipping in the closed position is adequate. The valve should be capable of being closed in operation for long periods of time.
109	Bill Patrick	9.2	9.2	General	Valve internals are not included in being paint free.	Machined end flange gasket surfaces, butt weld ends, stems and valve internals shall be left completely	Accepted
110	Ayman Cheta	All	All	General	No Comment		Noted
111	Brandon Bounds	Annex A	A.3.1	Editorial	QW-450 is in parenthesis and therefor is not clearly linked to Section IX.	"Weld procedures for weld metal buildup and corrosion resistant overlay, and hardfacing shall be qualified in accordance with ASME Boiler and Pressure Vessel Code,	Accepted
112	Brandon Bounds	Annex A	A.4.2	Editorial	BPVC is missing.	"ASME Boiler and Pressure Vessel Code, Section IX"	Accepted
113	Brandon Bounds	Annex B	Figure	Editorial	Metric mm dimensions are	Add mm dimensions to figure.	Accepted - Updated figure
114	Michael Kupin	Annex B	Figure	Technical	MSS SP-120 did specify radial clearances in past editions but last edition (2024) no longer does. It now indicates that it "shall be controlled by the valve manufacturer".	Remove the references and replace them with "per manufacturer's recommendation"	Not accepted - Added new wording similar to Revision 3 that specified a maximum stuffing box bore overtolerance of 0.063" and updated fiure B.1 to show clearance per packing manufacturer to maintain the lowE clearances and provide reconditioners some flexiibility in the repair.
115	Yuichi Asano	Annex B	Figure	Editorial	SI units should be added to dimensions	SI units should be added to dimensions	Duplicate, see item 113
116	Yuichi Asano	Annex B	Figure	Editorial	TYPO	4)PTFE V-ring	Accepted - Updated figure
117	Michael Kupin	Annex B	B.3. b)	Technical	"at least 50 HB different than the stem" might be interpreted as a plus or minus difference.	Replace with : "at least 50 HB lower than the stem"	Accepted in Principle - "least 50 HB different (preferably lower) "
118	Brandon Bounds	Annex C	Examp	Editorial	ExampleA appears to not have a space before "A" and NPS should be in parenthesis.	"EXAMPLE A 457 mm (18 in.) to 610 mm (24 in.) handwheel wrench may be used on a DN 250 (NPS 10) valve."	Accepted
119	Brandon Bounds	Annex C	C.2.1.4	Editorial	Owners should be plural	Owner's	Accepted
120	Brandon Bounds	Annex D	D.3.1	Editorial	LE is used but not defined. Also I had to read sentence a few times to understand it.	"After installing low-emissions packing, the valve..."	Accepted
121	Brandon Bounds	Annex D	D.3.4	Editorial	metric units are missing	"7 bar (100 psi)"	Accepted
122	Brandon Bounds	Annex D	D.3.5	Editorial	Grammar	Under pressure, the valve shall be fully cycled from open to close five times, then left in the partially open	Accepted
123	Brandon Bounds	Annex D	D.3.6	Editorial	metric units should be first	3 mm (1/8 in.)	Accepted
124	Brian Bergen	Annex D	D.1- S	General	Pretty bare bones explanation	Add verbiage on the applicability of this RP as it relates to API 622/624 and Low Emissions Certification.	Not Accepted - Comment was withdrawn.
125	Michael Kupin	Annex D	D.3.5	Editorial	Pressure UOM	kPag (psig)	Accepted in principle - updated units in D.3.4 to include the metric pressure first.
126	Michael Kupin	Annex D	D.3.1	Editorial	"LE" abbreviation should be defined.	Add "(LE)" just after "low-emissions" somewhere higher in the page	Accepted in principle - replaced LE with low-emission
127	Michael Kupin	Annex D	D.2.2	Editorial	Add "qualified" instead of just "per" for consistency with other area in the document	If graphitic packing is used, it shall be qualified to API Standard 622	Accepted
128	Yuichi Asano	Annex D	D3.4	Editorial	SI units should be added to	SI units should be added to 100 psi	Accepted
129	Yuichi Asano	Annex E	E.1	Editorial	"RP" is not shown.	API 571 → API RP 571	Accepted
130	Michael Kupin	Annex E	E.2.1.5	Editorial	Define purpose or reason off/for the additional NDE.	Add: "to detect damage" or "to detecting cracks, wear or	Accepted - added "to detect damage"
131	Michael Kupin	Annex E	E.2.1.4	Editorial	Temperature UOM	Change / add: deg C (deg F)	Accepted
132	Brandon Bounds	Annex E	E.1	Editorial	This RP has been consistent in listing "standard" and "recommended practice" when referring to API documents.	"refer to API Recommended Practice 571"	Accepted
133	Brandon Bounds	Annex E	E.2.1.3	Editorial	"SS" is used 5 times in this RP. All are in Annex E, but it is never defined.	Spell out stainless steel instead of using the abbreviation only in this Annex. The other instances are in	Accepted

134	Brandon Bounds	Annex E	E.2.1.5	Editorial	Since referring to a section in ASME B16.34, the edition should be referenced after ASME B16.34 per API policy.	Reference 2025 edition.	Accepted
135	Brandon Bounds	Annex E	E.2.2.3	Editorial	ID and OD are not defined in Section 3.	"Cracks initiate from the inner and outer surfaces"	Accepted
136	Brandon Bounds	Annex E	E.2.3.1	Editorial	Alky is slang?	"Repair of HF Alkylation valves"	Accepted
137	Brandon Bounds	Annex E	E.2.3.2	Editorial	PPE is not defined	Spell out PPE.	Accepted
138	Brandon Bounds	Annex E	E.2.3	Editorial	HF is used, but never defined.	"Repair of Hydrofluoric (HF) Alkylation"	Accepted
139	Brandon Bounds	Annex E	E.2.3.3	Editorial	HIC and SOHIC are abbreviations that aren't	Added meaning of these terms to sentence and put abbreviation in	Accepted
140	Brandon Bounds	Annex E	E.2.3.3	Editorial	HAZ is not defined. Also HAZ is not used when referred to in the base part of this RP.	Spell out heat affected zone instead of using HAZ in the three instances in Annex E.	Accepted
141	Brandon Bounds	Annex E	E.2.3.4	Editorial	PWHT is not defined. Also PWHT is not used when referred to in the base part of	Spell out postweld heat treatment instead of using PWHT in the four instances in Annex E.	Accepted
142	Brandon Bounds	Annex E	E.2.3.5	Editorial	Water should not be used or water shall not be used? And make this its own sentence.	"or helium. Water {should or shall} not be used."	Accepted in Principle - used wording "Water may be used if the dry out requirements in MSS SP-160 are followed and approved by the owner."
143	Brandon Bounds	Annex E	E.2.3.5	Editorial	Hard to read with all the commas. Consider using semi-colons and BPVC is used here instead of spelling out like the rest of the RP. Also there are random capitalizations. "of thereof" doesn't seem right.	"Additional NDE may include surface examination in accordance with ASME B16.34; helium leak testing in accordance with ASME Boiler and Pressure Vessel Code, Section V, Article 10; radiography in accordance with ASME B16.34; or a combination	Accepted
144	Brandon Bounds	Annex E	E.2.4.3	Editorial	Metric unit is missing.	50 mm (2 in.)	Accepted
	Jon Robert	6.14.3	Table 5	Technical	Table 5 applies the same criteria for reconditioned valves as new valves in API 600. This allows no additional wear of seats/wedge if a new valve was provided already at the minimum per API 600. This is not consistent with other parts of this RP (flange face to face, stem diameter, etc.). Prior to 4th edition wear travel requirements for repaired	Update the minimum wear travel required for reconditioned valves.	Accepted - Updated minimum wear travel in Table 5.
	Jon Robert	Annex B.3	Annex B.3 c)	Technical	Annex B.3 c) -- need to reword this sentence, perhaps, "conform to the dimensional clearances as per the manufacturer's specifications. When the dimensional clearances are not available from the manufacturer, the		Accepted
145	Jon Robert	Annex E	E.2.3.4	Technical	Add reference to MSS SP-160 Section 4 Materials for new materials incorporated into the repair	E.2.3.4 c) New materials incorporated into the valve during repair should comply with the requirements of MSS SP-160 Section 4.	Accepted
147	Jon Robert	Annex E	E.2.3.4	Technical	Add reference to MSS SP-160 Section 6 Welding, Welding Repairs, and PWHT	E.2.3.4 d) Welding should incorporate the additional requirements of MSS SP-160 Sections 6.	Accepted in Principle - "When performing welding on valves in HF Alkylation service, consider the requirements in MSS SP-160 for welding and PWHT."
149	James Pease	Annex F	Annex F	Technical	Change Annex F to be		Accepted
150	Michael Kupin	Annex F	F.2.4.1	Technical	Option of using a lubricant with sealing devices (ex. metallic gaskets) during reassembly was removed from last revision of API-600	Remove as per API-600	Not accepted - API 608 still includes these requirements in Section 7.2. Removed the verify chemical compatibility between the lubricant and o-ring statement (not included in 608).

152	Michael Kupin	Annex F	F.2.4.1	Technical	Packing must be reinstalled properly.	Remove "if available"	Accepted in principle - changed wording to "If the configuration and material of a seal, including packing, is not known or specified the repair facility should verify configuration and materials with the valve manufacturer. If configuration and material cannot be verified with the manufacturer then the seals and packing used shall be approved by the owner."
153	Brandon Bounds	Annex F	F.2.1	Editorial	Awkward wording.	The scope of this annex covers only API Standard 608 metal-seated and soft-seated ball valves. Severe service metal-seated ball valves are excluded from the scope of this annex, as they are typically highly engineered with too many specific details to be	This paragraph was removed per another comment.
154	Brandon Bounds	Annex F	F.2.3.1	Editorial	API 608 references a specific section and per API procedure the edition of API 608 should be included.	"Refer to API Standard 608, Seventh Edition, Section 5.3"	Accepted
155	Brandon Bounds	Annex F	F.2.3.4	Editorial	Metric unit is missing.	0.38 mm (0.015 in.)	Accepted
156	Brandon Bounds	Annex F	F.2.3.5	Editorial	API 608 references a specific section and per API procedure the edition of API 608 should be included. Furthermore, the text does not match API 608 Seventh edition.	Do not refer to API 608, just write the requirement out. Or refer to API 608 and do not also quote what API 608 says. Pick one or the other. If referring to a clause in API 608, include the edition.	Accepted - included edition
157	Brandon Bounds	Annex F	F.2.4.8	Editorial	API 608 references a specific section and per API procedure the edition of API 608 should be included.	"in accordance with API Standard 608, Seventh Edition, Section 5.9."	Accepted
158	Brandon Bounds	Annex F	F.2.4.1	Technical	Move what is in parenthesis to be its own sentence at the end of this paragraph as it seems important and it interrupts the flow of the current sentence.	"may be used to assemble O-rings or other seals required to move during valve assembly. Verify chemical compatibility between the lubricant and O-ring material."	Not accepted - the wording in () was removed with a prior comment.
159	Brandon Bounds	Annex F	F.3.1	Technical	The sentence doesn't make sense to me. I can't tell if only API 599 valves are covered or not.	"The scope of this annex covers only API Standard 599 lubricated plug, non lubricated/sleeved plug, and lift plug type valves."	Not Accepted - Removed scope sections from this annex since the scope of the main document includes the API 608, 609, and 599 valves.
160	Brandon Bounds	Annex F	F.3.3.1	Editorial	API 599 references a specific section and per API procedure the edition of API 599 should be included. Also "Standard" is missing.	"Refer to API Standard 599, XXX Edition, Section 5.2 for"	Accepted - Updated to reference ninth edition.
161	Brandon Bounds	Annex F	F.3.3.3	Editorial	Metric unit is missing.	± 3.2 mm (± 1/8 in.)	Accepted
162	Brandon Bounds	Annex F	F.3.3.4	Editorial	Metric unit is missing.	0.38 mm (0.015 in.)	Accepted
163	Brandon Bounds	Annex F	F.3.3.5	Editorial	API 599 references a specific section and per API procedure the edition of API 599 should be included. Does the text match latest edition of API	Do not refer to API 599, just write the requirement out. Or refer to API 599 and do not also quote what API 599 says. Pick one or the other. If referring to a clause in API 599, include the	Accepted - Updated to reference ninth edition.
164	Brandon Bounds	Annex F	F.4.1	Editorial	I can't understand the scope of this annex. I reworded the other valves introductory words covered by this annex and if those are adapted, I suggest similar changes be	"The scope of this annex covers only API Standard 609 Category A and Category B valves."	This paragraph was removed per another comment.
165	Brandon Bounds	Annex F	F.4.3.1	Editorial	API 609 references a specific section and per API procedure the edition of API 609 should be included.	"Refer to API Standard 609, XXX Edition, Section 5.2"	Accepted - Updated to the 10th edition
166	Brandon Bounds	Annex F	F.4.3.1	Editorial	e.g. is missing	(e.g. hard facing)	Accepted
167	Brandon Bounds	Annex F	F.4.3.4	Editorial	The clause uses "shaft/stem". The next edition of API 609 will standardize on the word "shaft". Do the same here.	Change all "shaft/stem" to just "shaft".	Accepted
168	Brandon Bounds	Annex F	F.4.3.4	Editorial	"stem-to-actuator". Add the	"stem-to-actuator"	Accepted

169	Brandon Bounds	Annex F	F.4.3.5	Editorial	API 609 references a specific section and per API procedure the edition of API 609 should be included. Furthermore, the text does not match API 609 out for ballot right now.	Do not refer to API 600, just write the requirement out. Or refer to API 609 and do not also quote what API 609 says. Pick one or the other. If referring to a clause in API 609, include the edition.	Accepted - updated to the 10th edition
170	Richard Sobilo	Annex F	Various	General	Love the fact that we have some detail on other valves (quarter-turn) in Annex F and some swing check valve stuff in the body of the document. But what about more on globe and other check valve types (dual-plate, axial, etc.). Also maybe some stronger language around using the	Consider expansion or pulling out other valve types into an Annex G. Add some strong general language about following the manufacturers' recommended inspection, repair and reassemble instructions in concert with the requirements in this RP.	Accepted in principle - Added wording to the scope "1.3 This RP is intended to capture commonly used valve types in general applications. For valves types and applications not addressed in this RP, consult the valve manufacturer and owner/user inspection and repair requirements"
172	Rick Morris	C.2.1	C.2.1.7	Technical	Should add extra reference on HF Alky Valve testing	New C.2.1.7 "For HF Alky Service valve testing see MSS SP-160. "	Not Accepted - E.2.3.5 covers inspection and testing requirements for HF Alky valves. Since MSS SP-160 is a new valve standard, the owner would need to provide additional requirements for HF alky valve repairs.
173	Richard Sobilo	D.3.5	Paragraph	Technical	I love the fact that there is a Low Emissions Verification, but should it require only five (5) cycles before the test?	Speak to repair facilities, packing manufacturers, valve manufacturers and testing labs to see if five (5) cycles will show anything. Again, want to keep the cost of reconditioned valves down, but also want some assurance even this (small) cost is	Comment withdrawn.
175	Brian Bergen	D.3.9	Main Paragraph	General	Says valves passing the test shall have a Low E tag attached, is this recognized by the EPA? Sites under EPA Consent orders can require Low E certified valves. Would this RP imply they could be used in those applications? Certainly, doesn't forbid it, but very open subject with the potential for big fines if not in alignment with the regulators. Does the OEM's packing set need to be replaced in kind or	Clarify alignment with regulators and if not aligned, then amend the requirements.	Noted - API RP 621 requires the use of API STD 622 packing unless otherwise approved by the owner. This complies with the intent from the EPA.
176	Rick Morris	E.2.3.1	E.2.3.1	Technical	Need MSS SP-160 reference here	Insert between API RP 751 and owner's spec "MSS SP-160, "	Not Accepted - Since MSS SP-160 is a new valve standard, the owner would need to provide additional requirements for HF alky valve repairs.
177	Rick Morris	E.2.3.5 b	E.2.3.5	Technical	Should reword this whole paragraph to emphasise the NDE and testing of MSS SP-160	Additional NDE for valves that have been in HF Acid Service should be per MSS SP-160.	Not Accepted - E.2.3.5 covers inspection and testing requirements for HF Alky valves. Since MSS SP-160 is a new valve standard, the owner would need to provide additional requirements for HF alky valve repairs.
178	James Pease	Footnote	Footnote	Editorial	change MSS address to 441 N. Lee Street, Alexandria, VA		Accepted
179	James Pease	Paragraph	Add Figure	Technical	Add Figures 4,5 and 6 for plug valves, ball valves and butterfly valves		Accepted - New figures added for quarter turn valves.
180	James Pease	Section 3	Paragraph	Technical	Add definition 3.8 Valve Reconditioner - Company that performs the actual valve reconditioning work.		Accepted
181	James Pease	Section 4	Paragraph	Technical	Add paragraph 4.3 item 6) Each item shall be tagged showing that it has been		Accepted in Principle - used wording "attach a tag stating that the valve has been decontaminated."
182	James Pease	Table 2	Add Table	Technical	Add Table 2A for minimum wall thickness for API 599 plug valves, API 608 ball valves and API 609 butterfly valves.		Not Accepted - Added API 599 as applicable to the list of heavy wall valves for Table 2. Non heavy wall valves follow ASME B16.34 as listed in the product standard.
183	James Pease	Title	Title	Technical	Add quarter turn valves to the title		Accepted in Principle - Changed title to "Reconditioning of Metallic Valves"

184	Yuichi Asano	Title	N/A	General	Various sentences are related to quarter-turn valves.	The title of the standard may be improved as follows: "Reconditioning of Metallic Gate, Globe, and Check Valves" → "Reconditioning of Metallic	Accepted
185	Michael Alford	Title	Title	General	The title of API RP 621 was supposed to be changed to "Reconditioning of Metallic Valves" since it now addresses quarter turn valves. The editors did not catch this change and it was not caught	Change title to "Reconditioning of Metallic Valves" since it now addresses quarter turn valves. The editors did not catch this change and it was not caught during the page proofs.	Accepted
187	Richard Sobilo	Various a	Variou	Technical	Understanding several constraints, the first being the cost of reconditioning versus purchasing new, and the other the expansive cost gauges put on a repair facility because of the various sizes and periodic certification requirements, is there a need for thread inspection with thread gauges for critical components. We talk about visual inspection and proper engagement using other valve threaded components, which might be a	Consider thread gauge inspection for critical [(maybe) pressure retaining] threaded components.	Accepted in Principle - updated" 6.2.2Acceptable surface finish of threaded parts shall be determined by visual or tactile methods or the use of a thread gauge as required. Threaded NPT connections shall be verified with a thread gauge (plug or ring gauges)".