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BPV VIII Standards Committee has in its make-up the following:

- Subgroups
- Special Committee on Interpretations
- BPV VIII International Working Groups
- Special Working Groups
- Working Groups
- Task Groups

BPV VIII Subgroup Information

Subgroups:

Subgroups have the primary responsibility for maintaining a membership of experts in the field of scope related to the subgroup. These members develop and write proposals for consideration by the BPV VIII Standards Committee to add new and/or revise existing rules in one or more of the three Divisions of Section VIII.

Subgroups are permanent and consist of officers including a volunteer chair, volunteer vice-chair, and volunteer secretary. The chair and vice-chair are subject to term limits as described in procedures. Subgroups report to the BPV VIII Standards Committee.

Subgroups may have additional responsibilities for certain Code Cases and for Pressure Technology Bulletins (PTBs).

Code Cases are updated or annulled by Standards Committee Action beginning with Subgroup action.

PTBs are updated by an individual or company under contract to ASME. Updates can be generated by individuals who use the Bulletin, or by Committee discussion, or by other means. Since these books are not updated annually, the following guidelines are offered to track needed changes and/or corrections:

- A notice of needed change or correction should be submitted to the BPV VIII Staff Secretary
- The Staff Secretary will open an item containing the relevant information
- Items will be maintained as open and active until such time they are transferred to the individual or company under contract to update the Bulletin.

Special Committee on Interpretations:

This Special Committee is established by ASME Procedures for the purpose of providing Interpretations to each of the three Divisions of Section VIII. These

interpretations are published regularly in subsequent volumes. A balance of interest is required to be maintained as outlined in procedures.

This committee's membership will fluctuate based on current leadership of subgroups as well as the current Member-at-Large of BPV VIII who is normally the chair of this committee. This committee reports to the BPV VIII Standards Committee.

BPV VIII International Working Groups:

International Working Groups are established to provide additional alignment and collaboration between ASME and other societies, industry representatives and other stakeholders.

BPV VIII International Working Groups report to the BPV VIII Standards Committee.

Special Working Groups:

A Special Working Group is a group of specialists devoted to a specific area of technical and/or administrative requirements with a broad application over many areas of one or more of the three Divisions. These specialists will devote the time needed to research / investigate the technical requirements necessary to develop rules for Section VIII in one or more of the three Divisions.

Special Working Groups may or may not be permanent; however, the decision to conclude the work and disband should be reviewed by the BPV VIII Executive Committee and approved by the BPV VIII Admin Committee.

A Special Working Group will normally have a chair, but typically not a vice-chair; however, there is no prohibition on a vice-chair. Normally, a Special Working Group will be listed in the Personnel section of the BPV Code.

Special Working Groups report to the BPV VIII Standards Committee.

Working Groups:

A Working Group is a group of specialists devoted to a specific area of technical and/or administrative requirements with a more narrow range of application and may include requirements in one or more of the three Divisions. These specialists will devote the time needed to research / investigate the technical requirements necessary to develop rules for Section VIII in one or more of the three Divisions.

Working Groups may or may not be permanent; however, the decision to conclude the work and disband should be reviewed by the BPV VIII Executive Committee and approved by the BPV VIII Admin Committee.

A Working Group will normally have a chair, but typically not a vice-chair; however, there is no prohibition on a vice-chair. Normally, a Working Group will be listed in the Personnel section of the BPV Code.

Working Groups report to a specific BPV VIII Subgroup.

Task Groups:

A Task Group is a group of specialists and generalists assigned to develop specific requirements and/or accomplish a specific task. Normally, but not always, these requirements will address a narrow range of application and may include requirements in one or more of the three Divisions. These individuals will devote the time needed to research / investigate the technical requirements necessary to develop rules for Section VIII in one or more of the three Divisions.

Task Groups are not to be considered as a permanent committee. The charter should have specific tasks to be accomplished with an expected time frame as well as periodic reporting requirements. Consensus that the task(s) is complete should be obtained from the Subgroup it reports to, the BPV VIII Executive Committee and the BPV VIII Admin Committee.

A Task Group will normally have a chair, but typically not a vice-chair; however, there is no prohibition on a vice-chair. Normally, a Task Group will not be listed in the Personnel section of the BPV Code.

Task Groups normally report to a specific BPV VIII Subgroup; however, in certain situations it may report directly to the BPV VIII Standards Committee.

Subgroup Charters

Subgroup on Design

Charter:

To develop and maintain rules governing design and fabrication details for pressure vessels

Prime responsibility for

- PTB-1 Section VIII Division 2 Criteria Document
- PTB-3 Section VIII Division 2 Example Problem Manual
- PTB-4 Section VIII, Division 1 Example Problem Manual

Subgroup on Fabrication and Examination

Charter:

To develop and maintain rules and guidelines related to fabrication and examination of Section VIII, Divisions 1 and 2 pressure vessels.

Subgroup on General Requirements

Charter:

To develop rules covering general requirements related to design, fabrication and inspection, pressure testing and overpressure protection as well as administrative, and conformity assessment.

Subgroup on Graphite Pressure Equipment

Charter:

The ASME Subgroup on Graphite Pressure Equipment shall develop and maintain rules for the design and acceptable fabrication details of impregnated graphite pressure vessels.

Subgroup on Heat Transfer Equipment

Charter:

To develop design rules covering the minimum requirements for design, fabrication and inspection of heat transfer equipment, including, but not limited to, shell-and-tube heat exchangers and related components such as expansion joints and tube-to-tubesheet joints.

Prime Responsibility for

- PTB-7 Criteria for Shell and Tube Heat Exchangers According to Part UHX of ASME Section VIII Division 1

Subgroup on High Pressure Vessels

Charter:

This Subgroup covers SC VIII Division 3 of the ASME Boiler and Pressure Vessel Code. This Subgroup prescribes requirements for the design, construction, inspection, materials, and overpressure protection of high pressure vessels. The Subgroup also interprets these rules when questions arise regarding their intent.

Subgroup on Materials

Charter:

To advise the BPV VIII Standards Committee on issues relating to Section VIII, Divisions 1 and 2 regarding the use of materials in the construction of unfired pressure vessels. PWHT technical requirements are also included in its scope in an advisory capacity to SG-F&E of BPV VIII

Subgroup on Toughness

Charter:

To develop and maintain rules in ASME Section VIII, Division 1 and Division 2 pertaining to the toughness of pressure vessels including materials, design, fabrication and testing.

Special Committee on Interpretations

Charter:

To provide interpretations when requested within the required format for ASME Section VIII, Divisions 1, 2 and 3.

International Working Group Charters

BPV VIII Italy International Working Group

Charter:

The Italy International Working Group Italy (IIWG) serves as a forum to provide for the participation of ASME BPV Section VIII technical experts based in Italy and to create a means of communication and collaboration between ASME Section VIII and the Italian manufacturers and stakeholders. The Italy International Working Group Italy (IIWG) is supported by UCC – ANIMA (Italian Association of Boiler and Pressure Vessel Manufacturers), with the following aims:

- Create a means of communication and collaboration between ASME BPV VIII committees and the UCC – ANIMA, the Italian manufacturer and stakeholders;
- Provide input to BPV Section VIII from Italian manufacturers and stakeholders;
- Review and comment on proposed changes or additions to ASME BPV VIII Code;
- Evaluate Code inquiries from Italian users and manufacturers and develop them into proposed interpretations for consideration by the ASME BPV VIII Standards Committee or Special Committee;
- Conduct IIWG activities related to codes and standards, administrative and personnel matters in accordance with approved ASME procedures, policies, and established guidelines;
- Coordinate IIWG activities with the parent ASME BPV VIII technical committee and ASME Staff.

BPV VIII China International Working Group

Charter:

The China International Working Group (CIWG) serves as a forum to provide for the participation of ASME BPV Section VIII technical experts based in China and to create a means of communication and collaboration between ASME Section VIII and the Chinese manufacturers and stakeholders, with the following aims:

- Create a means of communication and collaboration between ASME BPV VIII committees and the Chinese manufacturers and stakeholders;
- Provide input to BPV Section VIII from Chinese manufacturers and stakeholders;
- Review and comment on proposed changes or additions to ASME BPV VIII Code;
- Evaluate Code inquiries from Chinese users and manufacturers and develop them into proposed interpretations for consideration by the ASME BPV VIII Standards Committee or Special Committee;
- Conduct CIWG activities related to codes and standards, administrative and personnel matters in accordance with the approved ASME procedures, policies, and established guidelines;
- Coordinate CIWG activities with the parent ASME BPV VIII technical committee and ASME Staff.

BPV VIII Germany International Working Group

Charter:

The Germany International Working Group (IWG) serves as a subordinate group, operating within the Charter of the ASME Boiler and Pressure Vessel Committee on Pressure Vessels (BPV VIII) and the scope of the ASME Boiler and Pressure Vessel Code Section VIII, Rules for Construction of Pressure Vessels. The Germany IWG provides for the participation in BPVC Section VIII development by technical expert members, based primarily in Germany. The Germany International Working Group will:

- a) Initiate and process proposed standards actions, with ASME Certificate holders and other interested users of the ASME Code, for consideration by BPV VIII;
- b) Review and provide comments on proposed revisions to BPV VIII;
- c) Conduct technical and administrative activities related to BPVC Section VIII development in accordance with approved ASME procedures, policies, and established guidelines;
- d) Coordinate IWG activities with its parent committee and ASME staff;
- e) Encourage users of the ASME Boiler & Pressure Vessel Code to contribute to Committee work.

BPV VIII India International Working Group

Charter:

The Germany International Working Group (IWG) serves as a subordinate group, operating within the Charter of the ASME Boiler and Pressure Vessel Committee on Pressure Vessels (BPV VIII) and the scope of the ASME Boiler and Pressure Vessel Code Section VIII, Rules for Construction of Pressure Vessels. The Germany IWG provides for the participation in BPVC Section VIII development by technical expert members, based primarily in Germany. The Germany International Working Group will:

- a) Initiate and process proposed standards actions, with ASME Certificate holders and other interested users of the ASME Code, for consideration by BPV VIII;
- b) Review and provide comments on proposed revisions to BPV VIII;
- c) Conduct technical and administrative activities related to BPVC Section VIII development in accordance with approved ASME procedures, policies, and established guidelines;
- d) Coordinate IWG activities with its parent committee and ASME staff;
- e) Encourage users of the ASME Boiler & Pressure Vessel Code to contribute to Committee work.

BPV VIII Argentina International Working Group

Charter:

The Argentina International Working Group (IWG) serves as a subordinate group, operating within the Charter of the ASME Boiler and Pressure Vessel Committee on Pressure Vessels (BPV VIII) and the scope of the ASME Boiler and Pressure Vessel Code Section VIII, Rules for Construction of Pressure Vessels. The Argentina IWG provides for the participation in BPVC Section VIII development by technical expert members, based primarily in Argentina. The Argentina International Working Group will:

- a) Initiate and process proposed standards actions, with ASME Certificate holders and other interested users of the ASME Code, for consideration by BPV VIII.
- b) Review and provide comments on proposed revisions to BPV VIII.
- c) Evaluate Code inquiries from users and manufacturers in Argentina, and develop them into proposed interpretations for consideration by the ASME BPV VIII Standards Committee or Special Committee;
- d) Conduct technical and administrative activities related to BPVC Section VIII development in accordance with approved ASME procedures, policies, and established guidelines.
- e) Coordinate IWG activities with its parent committee and ASME staff.
- f) Encourage users of the ASME Boiler & Pressure Vessel Code to contribute to Committee work.

Special Working Group Charters

Special Working Group on Bolted Flange Joints
Reports to BPV VIII Standards Committee
Charter:

Working Group Charters

Working Group on Design-by-Analysis
Reports to BPV VIII Subgroup on Design
<p>Charter:</p> <p>The Working Group on Design-By-Analysis, WG-DBA (VIII), is responsible for maintaining and improving the rules and procedures for the design-by-analysis requirements for Section VIII components. These requirements relate to methodologies which use results from a detailed analysis to evaluate components for resistance to:</p> <ul style="list-style-type: none"> • excessive elastic deformation including elastic instability, • excessive plastic deformation including incremental collapse and plastic instability, • local failure due to fracture and excessive local deformation, • stress rupture and creep damage, • high and low cycle fatigue damage. <p>The WG reports to and takes direction from the BPV Committee on Pressure Vessels (VIII) Sub Group on Design and will collaborate with other Pressure Technology Codes and Standards Committees as well as other subject matter experts for expertise and knowledge while focusing efforts to add and improve methodology for Section VIII applications.</p>

<u>Working Group on Design</u>
Reports to BPV VIII Subgroup on High Pressure Vessels
Charter: This Working Group is responsible for the design requirements covered in Part KD of Section VIII, Division 3 (High Pressure Vessels)
Notes:

<u>Working Group on Materials</u>
Reports to BPV VIII Subgroup on High Pressure Vessels
Charter: Scope: This Task Group is responsible for the materials requirements covered in Part KM of Section VIII, Division 3 (High Pressure Vessels).

<u>Working Group on Plate Heat Exchangers</u>
Reports to BPV VIII Subgroup on Heat Transfer Equipment
Charter: The Working Group on Plate Heat Exchangers, WG-PHE (VIII-SG-HTE), is responsible for maintaining and improving the rules and procedures for the design, fabrication, inspection and pressure testing of Plate Heat Exchangers. The WG reports to and takes direction from the BPV Committee on Pressure Vessels (VIII) Sub Group on Heat Transfer Equipment.
10-Aug-2017 Changed to Working Group Revised charter

Task Group Charters

<u>Task Group on Common Rules</u>
Reports to BPV VIII Standards Committee
Charter: <u>Objective:</u>

All common rules in Div 1, 2, and 3 should be consistent between the three books whenever possible. The rules should be presented in a manner that facilitates volunteer maintenance, provides publication benefits, and will provide ease of use by the users of the Codes.

Scope:

Review and identify common rules contained in Section VIII Div 1, 2, 3, and prepare a recommendation for BPV VIII regarding the best way to consolidate all common rules for the best interest of all stake holders (ASME, Volunteers, and users of the Code). The Task Team shall consider how common rules interrelate with the other requirements of each respective division and how this interrelationship will affect any proposals for handling common rules. The Task Team should also consider how to efficiently incorporate the recommendations for publication at the earliest possible time.

Task Group on Scope Revisions

Reports to BPV VIII Subgroup on General Requirements

Charter:

- (1) To revise the scope of the three Section VIII Divisions by considering the introduction of a pressure/volume relationship and replace the current list of scope exemptions.
- (2) To determine if fluid(s) contained under pressure by the vessel should be included within the pressure/volume relationship
- (3) Recommend revisions to Conformity assessment requirements to mitigate the risks associated with pressure/volume and, if applicable, contained fluid(s), to an acceptable level.

Task Group on Heater Treater Pressure Vessels

Reports to BPV VIII Subgroup on General Requirements

Charter:

The Task Group on Fired Heater Pressure Vessels is responsible for development of rules for the construction of fired heater pressure vessels to Section VIII, Divisions 1 and 2. The Task Group reports to the Subgroup General Requirements (BPV VIII).

Task Group on Impulsively Loaded Vessels

Reports to BPV VIII Subgroup on High Pressure Vessels

Charter:

To prepare design rules for vessels subject to impulsive loading, where the dynamic loading itself is a short-lived transient delivered through mechanical or chemical means, e.g., gaseous or high-explosive detonations.

See also Section 1 of Background document for item record 02-4096				
Start Date		December, 2002		
Estimated End Date		Q1 2015		
Chair	Kumar Karpanan	Term 1	July 1, 2017	June 30, 2020
Notes:				
30-Jan-2014: Executive Committee voted APPROVED to maintain as Task Group on Impulsively Loaded Vessels .				

Task Group on Subsea Applications
Reports to BPV VIII Subgroup on High Pressure Vessels
Charter: This Task Group is responsible for reviewing and evaluating the need for modifications to the Section VIII, Division 3 Code for improved suitability to Subsea Applications and to address the concerns of the stakeholders in this area. Further, it will be responsible for making recommendations to ASME VIII-2 and other standards, as necessary, to maintain consistency within all of ASME Section VIII Divisions. See also item record 15-322
30-Jan-2014: Executive Committee voted APPROVED to form Task Group on Subsea Applications . 24-Feb-2015: Ballot 15-295 Approved by BPV VIII Administrative Group

Task Group on Division 1 Clarity Rewrite
Reports to BPV VIII
Charter: Provide proposals that will result in clearer, more easily understood requirements in Section VIII, Division 1. Do not introduce new rules or requirements nor revise existing rules or requirements.
Scope: Provide proposals that will result in clearer, more easily understood requirements in Section VIII, Division 1. Do not introduce new rules or requirements nor revise existing rules or requirements.
13-Jan-2020: Approved by BPV VIII Executive Committee