BPV II Administrative Practices:
A. BPV II Administrative Practices for developing code cases for new materials:

1. Inquirer submits request for new code case to BPV secretary of the appropriate Construction code in accordance with mandatory construction code appendix.
2. Mechanical and physical property information and a user request letter are submitted by inquirer per II-D Appendix 5. For materials not included in any ASTM or international specification, a statement describing actions regarding inclusion in an ASTM or equivalent international specification is added to the documents for the request.
3. The Construction Code Secretary verifies that the Construction Code requirements for a new code case have been met and then issues a new Item Record Number and appoints a Project Technical Manager (PTM).
4. Data are analyzed and values are developed by ASME consultant or BPV II volunteer member (including subordinate subgroup members). Note: BPV II SG may choose to use input from the inquirer after review and approval in a meeting.
5. Code Case is developed (or endorsed) by the appropriate construction code subgroups.
6. Relevant BPV II subgroups\(^1\) review and approve code case materials-related content and reports to BPV II. Formal vote by the BPV II subgroup is required. Placing an item on a BPV Construction code Standards Committee letter ballot with BPV II (and/or IX) review and comment on said ballot is NOT a substitute for such consideration.
7. BPV II approves materials property, heat treatment, and other materials-related portions of code case by vote\(^2\). Note: BPV II DOES NOT open its own item record number, since no changes are being made to a BPV II document.
8. If welding is involved, similar actions to review welding information and establish any welding requirements are required by BPV IX.
9. BPV II and IX secretaries or Construction code secretary records actions of BPV II and BPV IX in Subcommittee Item History field of C&S Connect Item Record. Alternatively, if that doesn't happen, Project manager notes BPV II (and/or IX) approval in Project Technical Manager’s Notes field.
10. The appropriate Construction code subgroups review and complete the proposal and authorize a BPV construction code committee ballot. Code case is balloted for approval by BPV construction code committee(s) with review and comment by BPV II (and any other BPV Committees or sub-tier committees that have provided input for the code case).
11. PTM alerts the appropriate BPV II specifications subgroup that the code case has been approved and Table II-200-1 or/and II-200-2 may need to be updated.

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\(^1\) This typically would include as a minimum, Subgroup Strength Ferrous Alloys (SGSFA) or Subgroup Nonferrous Alloys (SGNFA), and usually would involve Subgroup Strength of Weldments (SGSW), Subgroup External Pressure (SGEP) and Subgroup Physical Properties (SGPP). Other subgroups may become involved as deemed necessary.

\(^2\) Approval by BPV II at this stage would include acknowledgment that the appropriate Subgroups have been allowed to provide input. Any BPV II member feeling otherwise should object at this point.
B. BPV II Administrative Practices for incorporating code cases for new materials into one or more ASME BPV Construction Codes:

1. Construction code materials subgroup opens item record to make appropriate revisions to their Sections, Divisions, or Parts, to incorporate the code case requirements that should be in their Codes and appoints a PTM. This PTM is the lead PTM for the all items related (linked) to the incorporation and for insuring that publication of any linked record ahead of incorporation in the construction code does not create a non-conservative condition. Note: If, as for some cases, incorporation does not require any changes in the construction code, the actions below for the service committees and their subgroups will still each require a PTM. One individual can be the PTM for all of the actions and that individual need not be a member of the service committees and their subgroups, but should be a member of at least one of the involved groups so that the individual has access to C&S Connect.

2. BPV II SG Ferrous Specifications (SG-FS), SG-NFA, or SG International Material Specifications (SG-IMS) confirms that all of the product form specifications addressed by the code case have been revised to incorporate the new grade into the appropriate SA or SB specifications in Section II, Parts A or B. If this requirement is not satisfied, a BPV II item record shall be opened to satisfy this requirement. (See B.8., below).

3. BPV II SG-IMS confirms that all of the Non-ASTM product form specifications addressed by the code case are actually SA or SB specifications in Section II, Part A or B, and have an appropriate cover sheet; and that the material properties in the code case are consistent with those published in the specifications. If these requirements are not satisfied, a BPV II item record shall be opened to satisfy this requirement. (See B.8., below.)

4. BPV II SG-SFA or SG-NFA reviews requirements of the case against the SA or SB specification requirements to determine whether any significant requirements in the new specification are different from the requirements of the code case, especially to minimum specified mechanical properties that might require a review of the data analysis that established the allowable stresses.

5. For Sections I, III, VIII (Divisions 1 and 2), and XII code cases, BPV II SG-SFA or SG-NFA opens an item record to add the appropriate allowable stress or design stress intensity values to Section II, Part D, Subpart 1, Tables 1A, 1B, 2A, 2B, 5A, or 5B, and to Tables 3 or 4, for bolting material, as applicable. (See B.8., below.)

6. For Section IV code cases, SG-SFA or SG-NFA and BPV II review (in the light of the reviews noted in B.3. and B.4., above) allowable stress values to be added to Section IV tables and approves them by voice vote. Results of that vote and necessary documentation is forwarded to BPV IV by the BPV II Secretary and recorded in the BPV IV item record.

7. For code cases for all sections, SG-SFA or SG-NFA, SG-EP, SG-IMS, and SG-PP of BPV II shall confirm that the yield strength values, tensile
strength values, external pressure chart reference, and physical properties are listed in Section II, Part D, Subpart 1, Tables U and Y-1; and in the appropriate parts of Section II Part D, Subpart 2. If these values are not already listed therein, but are available in the code case, they shall be extracted from the code case. If any are not available in the code case, they may need to be extracted from the original data package submitted in support of the code case, as required by Section II, Part D, Appendix 5. No material shall have allowable stresses listed in Section II, Part D or in Section IV without accompanying U and Y-1 values being listed in Section II, Part D. Values for Tables U and Y-1 may be listed at temperatures higher than those for which allowable stresses are listed, to a temperature as high as supported by the submitted data base.

8. All revisions to Section II, Parts A, B, or D require an item record separate from the one opened for the construction code revisions, if any; but all revisions to Section II should be covered by the same, single item record.

9. For all code cases for which welding is permitted, SG Materials (SG-M) of BPV IX shall insure that a P-Number is listed in Table QW/QB-422 and Appendix D of Section IX; or SG M/BPV IX shall open another item record for the necessary revisions to Section IX.

10. All of the item records opened for the incorporation of the code case shall be linked. All of the incorporation actions can be processed concurrently. However, since the C&SConnect procedures for linkage do not insure that all linked items must be approved before any can be published, the PTM must insure non-coincident publication of any linked item will not cause a non-conservative condition.