Re-stamping and/or Nameplate Replacement Including Marking Transfer





National Board Inspection Code, ASME CSP-53, ASME CAP-21, Section I, and Section IV



National Board Members Meeting, Fall 2012 Presented by Robert Schueler, Senior Staff Engineer

OVERVIEW GUIDE FOR REAPPLICATION OF CODE DATA

Required By	NBIC			ASME	
	Inservice	Repairs or Alterations	Pressure Relief Devices	Section I	Section IV
Responsible Organization	Owner	"R" Stamp Holder	"VR" Stamp Holder	"S, M, E, PP or V" Designation Holder	"H, HLW or HV" Designation Holder
Jurisdictional Permission	Yes	Yes	No	Yes	Yes
Oversight By	NB Commissioned Inspector	"R" Holder's NB Inspector	"VR" Stamp Holder	Al or Cl as applicable for the item	Al or Cl as applicable for the item
Reapplication or ASME Mark	No	No	No	Yes	Yes
Reapplication of NB Mark	No	No	No	No	No
Required Form	NB-136	NB Form R-1 or R-2	None	ASME Form III-1A	ASME Form 8-1



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National Board Inspection Code Rules For Replacement Of Stamping Data

And / Or

Transfer Of Marking During A Repair Or Alteration



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National Board Inspection Code

The National Board Inspection Code provides for three conditions of reapplication of the Code required information (excluding the ASME Mark) for the following:

- Replacement stamping <u>during inservice inspection</u>.
 NBIC Part 2, Section 5, paragraph 5.2 and Form NB-136
- Replacement or relocation stamping <u>during repairs or alterations</u>
 NBIC Part 3, Section 5, paragraph 5.11 and applicable
 "R" Form
- Replacement stamping for <u>pressure reliving devices</u>
 NBIC Part 3, Section 5, paragraph 5.12.5



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Inservice Replacement Stamping or Nameplate

Location of rule – National Board Inspection Code [NBIC] Part 2, Section 5, paragraph 5.2 and Form NB-136.

[Available at www.nationalboard.org]

These rules apply to all ASME Code stamped pressure retaining items. Sections I, IV, VIII, X, and XII. They also apply to all applicable Codes and Standards to which the pressure containing item was constructed and certified.

It is the Owner's responsibility to maintain, and when required, to replace all lost, illegible, or detached stamping or nameplate data on all pressure retaining items



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NBIC Part 2, Section 5

5.2 REPLACEMEINT OF STAMPING DURING IINSERVICE INSPECTION

5.2.1 AUTHORIZATION

- a) When the stamping on a pressure-retaining item becomes indistinct or the nameplate is lost, illegible, or detached, but traceability to the original pressure-retaining item is still possible, the Inspector shall instruct the owner or user to have the stamped data replaced. All re-stamping shall be done in accordance with the original code of construction, except as modified herein. Requests for permission to re-stamp or replace nameplates shall be made to the Jurisdiction in which the pressure-retaining item is installed. Application must be made on the *Replacement* of *stamped Data Form*, NB-136 (see NBIC Part 2, 5.3.2). Proof of the original stamping and other such data, as is available, shall be furnished with, the request. Permission from the Jurisdiction is not required for the reattachment of nameplates that are partially attached. When traceability cannot be established, the Jurisdiction shall be contacted.
- b) When there is no Jurisdiction, the replacement of stamped: data shall be

authorized and witnessed by a National Board Commissioned Inspector and: the completed Form NB-136 shall be submitted to the National Board.

5.2.2 REPLACEMEINT OF STAMPED DATA

- a) The re-stamping or replacement of data shall be witnessed: by a National Board Commissioned Inspector and shall be identical] to the original stamping.
- b) The re-stamping or replacement of a code symbol stamp shall be performed only as permitted by the governing code of construction.
- c} Replacement nameplates shall be clearly malted "replacement."

5.2..3 REPORTING

Form NB-136 shall be filed with the Jurisdiction (if required) or the National Board by the owner or user together with a facsimile of the stamping or nameplate, as applied, and shall] also bear the Signature of the National Board Commissioned Inspector who witnessed the replacement.

Inservice

When restoration of the marking or nameplate is required, the Owner shall:

- 1) Provide the missing or illegible information traceable to the original pressure retaining item.
- 2) Request permission to re-stamp or replace the nameplate from the applicable Jurisdiction, where installed. This application for permission shall be submitted on NB Form NB-136.

If there is no jurisdiction, the Owner shall complete NB Form NB-136 and shall acquire authorization to reapply the data from a National Board Commissioned Inspector who shall witness the remarking and sign the NB-136 Report.

3) When the NB-136 Form is signed by a National Board Commissioned Inspector, a copy of the signed form shall be submitted to the National Board.



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Typical National Board Replacement Nameplate

REPLACEMENT

NATL BD NO 60309

U CERTIFIED BY ABC COMPANY

 $^{\rm W~HT}_{\rm RT-3}$ MAWP 600 PSI AT 400 F

MDMT -20 F AT 600 PSI

SERIAL NO 25A2001

YEAR 2002

Note: Neither the National Board nor the ASME trademark symbols are reapplied in this case.



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Transfer of Data During Repairs Or Alterations

Location of rule:

NBIC Part 3, Section 5, paragraph 5.11 and applicable National Board "R" Form

It is the responsibility of the National Board "R" Stamp Organization as part of the repair or alteration to relocate the Code marking should such relocation become necessary.



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NBIC Part 3, Section 5

5.11 REMOVAL OF ORIGIONAL STAMPING OR NAMEPLATE

If it becomes necessary to remove original stamping, the Inspector shall, subject to the approval of the Jurisdiction, witness marking of a facsimile of stamping, the obliteration of old stamping, and transfer of stamping to the new item. When stamping is on a nameplate, the Inspector shall witness transfer of the nameplate to the new location. Any relocation shall be described on the applicable NBIC "R" Form. The re-stamping or replacement of a code symbol stamp shall be performed only as permitted by the governing code of construction.

When Transfer of Code Marking is Required

The National Board "R" Stamp Holder Shall:

- 1. Obtain permission from the applicable Jurisdiction where the pressure containing item is installed or will be reinstalled.
- 2. The National Board Commissioned Inspector who is performing the required inspections for the "R" organization shall witness the transfer.
- 3. If this involves re-stamping, the original marking shall be obliterated.
- 4. The relocation shall be described on the applicable NBIC "R" Report Form.



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Case 1: Marking Transfer, Typical Re-stamping During a Repair

NATL BD NO 60309

CERTIFIED BY ABC COMPANY

YEAR 2002

MAWP 600 PSI AT 400 F

MDMT -20 F AT 600 PSI SERIAL NO 25A2001 REPAIRED BY

Company B

 $\frac{1}{2}R_{\lambda}^{2}$

1234

NATIONAL BOARD "R"
CERTIFICATE NUMBER

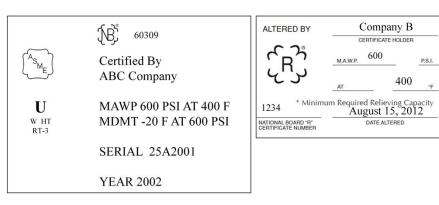
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Case 2: Existing Nameplate is Relocated During an Alteration



Note: Existing nameplate is moved with no modification of same. The required "R" stamping will be located next to the final location of the original nameplate.



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National Board R-1 Form



Code Marking has been relocated from front to rear head.





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National Board R-2 Form



Code Marking has been relocated from front to rear head.



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National Board "VR" Stamp Holder Replacement of Illegible or Missing Nameplates

Location of the rule for illegible pressure relief device (PRV) nameplate is given in NBIC, Part 3, Section 5, paragraph 5.12.5(a).

The location of the rule for missing PRV nameplate is given in NBIC Part 3, Section 5, paragraph 5.12.5(b).

There are no report forms or supporting documents required.



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5.12.2 REPAIR NAMEPLATE

When a pressure relief valve is repaired, a metal repair nameplate stamped with the information required: below shall be securely attached to the valve adjacent to the original manufacturer's stamping or nameplate. If not

mounted directly on the valve, the nameplate snail be securely attached so as not to interfere with valve operation and sealed in accordance with the quality system.

- a) Prior to attachment of the repair nameplate, the previous repair nameplate, if applicable, shall be removed from the repaired valve.
- b) As a minimum, the information on the valve repair nameplate (see NBIC Part 3, Figure 5.7.5-e) shall include:
- 1) The name of the repair organization preceded by the words "repaired by";
- 2) The "YR" repair symbol stamp and the "YR" certificate number;
- 3) Unique identifier (e.g., repair serial number, shop order number, etc.);
- 4) Date of repair;
- 5) Set pressure;
- 6) Capacity and capacity units (if changed from original nameplate due to set pressure or service fluid change);

- 7) Type/Model number (if changed from original nameplate by a conversion. See NBIC Part 3, S7.2); and
- 8) When an adjustment is made to correct for service conditions of superimposed back pressure and/or temperature or the differential between popping pressure between steam and air (see NBIC Part 3, 4.52), tine information on the valve repair nameplate shall include the:
 - a. Cold Differential Test Pressure (CDTP); and
 - b. Superimposed Back Pressure (BP) (only when applicable).

Replacement of Illegible Nameplate

The National Board "VR" Stamp Holder shall produce a replacement nameplate, marked "DUPLICATE" containing all information that originally appeared on the PRV. In addition to this, the "VR" Stamp Holder shall apply his PRV Repair nameplate.



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Replacement of PRV Missing Nameplate

The National Board "VR" Stamp Holder is not permitted to perform repairs on a PRV unless positive identification can be made to that specific valve.

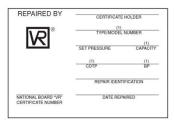
When, and only when, such positive identification can be made, the "VR" Stamp Holder shall provide a duplicate nameplate and his repair plate as described in the rules for illegible nameplates



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Typical PRV Replacement Nameplate





Note: The "VR" Stamp Holder shall not apply the ASME or National Board Trademarks on the duplicate nameplate.

No report provided.



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ASME Criteria For The Reapplication Of An ASME Certification Mark



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ASME Codes and Standards Policy

ASME Codes & Standards Policy (CPS) CSP-53 Policy on Protection of ASME Marks

ASME Code Accreditation Policy (CAP) CAP-21 Criteria for Reapplication of an ASME Certification Mark



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ASME Policy CSP-53 (Public Document)

The ASME Mark can only be applied be an ASME Authorized Certificate of Authorization Holder and then only under the following conditions as applicable:

- 1. It is a product constructed by the Certificate of Authorization Holder.
- 2. The application of the Mark is witnessed by:
 - a) An <u>Authorized Inspector</u> in the employ of an Authorized Inspection Agency
 - b) A **Qualified Inspector** in the employ of a Qualified Inspection Organization
 - c) A <u>Certified Individual</u> in the employ of the Authorized Certificate of Authorization Holder.



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CSP-53 POLICY ON PROTECTION OF ASME MARKS

(a) Policy on the Protection of ASME Mark

All ASME accreditation programs that specify the use of an ASME mark shall provide for designated oversight of those activities that affect the proper utilization of ASME marks. Only ASME accreditation programs with measures established for designated oversight may utilize ASME marks.

(b) Policy on Designated Oversight

The measures established for designated oversight shall comply with ASME-developed criteria. The criteria shall provide oversight measures that establish reasonable assurance that the activities (of the entity authorized by ASME to use its marks) that affect the use of ASME marks are accomplished in accordance with the appropriate ASME codes or standards. Where such activities are not accomplished in accordance with the appropriate ASME codes or standards, the criteria shall provide for notification of ASME and appropriate redress. ASME shall establish criteria for and administer the qualification and certification of those agencies, organizations, and individuals authorized to provide designated oversight.

- (c) General Requirements for Designated Oversight:
- (1) Each ASME accreditation program that utilizes ASME marks shall provide for one (or more than one, where applicable) of the types of authorized designated oversight given below.

(i) An ASME accredited authorized inspection agency (AIA), i.e., an authorized insurance company or Enforcement Authority that provides designated oversight through the use of authorized Inspectors (AI), qualified to criteria specified in the appropriate code or standard, and is not a qualified inspection organization, as described in Para. (c)(1)(ii) below.

(ii) An ASME qualified inspection organization (QIO), i.e., an organization that is qualified by ASME, to criteria specified in the appropriate code or standard, to provide designated oversight through the use of qualified inspectors (QI); is not an authorized inspection agency, as described in Para. (c)(1)(i) above; and is not an entity authorized by ASME to use its marks.

(iii) A certified individual (CI), i.e., an individual employee of the accredited entity authorized by ASME to use its marks, the CI is qualified and certified by the entity authorized by ASME to use its marks, to criteria specified in the appropriate code or standard. The qualification and certification are subject to evaluation by ASME during the accreditation survey or review. The CI is neither an AI nor QI, as described in Paras. (c)(1)(i) and (ii) above.

- (2) The use of all ASME marks shall be documented with data reports or certificates of conformance that are signed by a responsible representative of the accredited entity authorized by ASME to use its marks and the appropriate inspector or individual authorized to perform the designated oversight activities (i.e., either an AI, QI, or CI).
- (3) ASME accreditation programs that utilize ASME marks shall provide for record retention of all data reports and certificates of conformance, such that the use of the ASME marks is documented and traceable to the entity authorized by ASME to use its marks. All data reports and certificates of conformance shall be retained for a period established by the appropriate code or standard.

CAP-21 Criteria for Reapplication of an ASME Certification Mark (Internal Document)

CAP-21 is an internal ASME guide document which was distributed to the Boiler Code Committees to allow the ASME Code Committees, using ASME trademarks and designators, to draft rules permitting the reapplication of the ASME Certification Mark.

As of this time, only ASME Code Section I and Section IV have adopted rules for reapplication of the Certification Mark. Both Sections now have mandatory appendix which are nearly word for word duplications of the CAP-21 Policy.

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CAP-21 CRITERIA FOR REAPPLICATION OF AN ASME CERTIFICATION MARK

- 1 After an item has been certified under an ASME standard, if the ASME certification mark (e.g. Code Symbol Stamp) becomes indistinct or the nameplate is illegible or lost, but traceability to the original certification can be established, the certification mark may be reapplied to the item.
- 2 Reapplication of certification marks shall only be permitted under the following conditions:
- 2.1 The owner has requested the reapplication.
- 2.2 Where applicable, the Jurisdiction has granted the request for reapplication.
- 2.3 The reapplication shall be performed by the original manufacturer of the Code item. Where responsibility to the original Code certification has been maintained, reapplication by a successor organization to the original manufacturer is permitted.
- 2.4 The reapplication shall be authorized and witnessed by an Inspector from an ASME accredited Authorized Inspection Agency, or by an authorized representative of the Qualified Inspection Organization or a Certified Individual, as applicable under the associated certification program.
- 2.5 The reapplication of the mark shall be documented on a data report form which

is retained as required for the original data report.

3 Reapplication of the certification mark shall only be provided to restore evidence of original compliance with the standard. Reapplication of the mark shall not be applied for certification of the current condition of the item or for certification to different requirements than originally constructed.

ASME Codes Permitting Reapplication of the Mark

ASME Code Section I Mandatory Appendix III Form III-1A required. ASME Code Section IV Mandatory Appendix 8 Form 8-1 required.

Warning Note:

ASME provides rules and permission for reapplying the ASME Mark to only Section I and Section IV Boilers and their Pressure Relief Devices.

No ASME Code permission exists for Section VIII, X, or XII Code stamped equipment or their pressure reliving devices.



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ASME Code Section I Criteria For Reapplication Of A Certification Mark ["S, M, E, PP, or V"]

Rules:

- 1) The boiler, boiler part, or pressure relief valve shall be traceable to the original certification. (Applicable Section I Data Report Form as this shall be attached to the new III-1A report).
- 2) The Current Owner has requested the reapplication.
- 3) Where applicable, the Jurisdiction has granted a request for the reapplication
- The reapplication is performed by the original Manufacturer of the item.
- 5) The reapplication shall be witness by an AI in the employ of an ASME Authorized Inspection Agency or a CI in the employ of the original Manufacturer, as applicable.
- Data Form III-A1 shall be completed by the original Manufacturer.



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ASME Code Section I

MANDATORY APPENDIX III CRITERIA FOR REAPPLICATION OF A CERTIFICATION MARK

III-1 INTRODUCTION

After an item has been certified under ASME Section I, if the stamping of the Certification Mark with appropriate Designator becomes indistinct or the nameplate is illegible or lost, but traceability to the original certification can be established, the Certification Mark may be reapplied to the item.

III-2 CONDITIONS

Reapplication of the Certification Mark shall only be permitted under the following conditions:

- (a) The Owner has requested the reapplication.
- (b) Where applicable, the jurisdiction has granted the request for reapplication.
- (c) The reapplication shall be performed by the original Manufacturer of the Code item. Where responsibility for the original Code certification has been maintained, reapplication by a successor organization to the original Manufacturer is permitted.

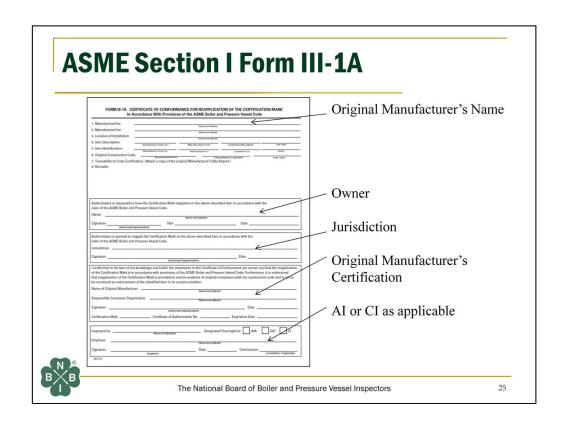
(d) The reapplication shall be authorized and witnessed by an Inspector from an ASME-accredited Authorized Inspection Agency, or by an authorized representative of the Qualified Inspection Organization or a Certified

Individual, as applicable under the associated certification program.

(e) Reapplication of the Certification Mark shall be documented on a Certificate of Conformance for Reapplication of the Certification Mark as shown in Form III-1A. The completed Certificate of Conformance for Reapplication of the Certification Mark shall be retained as required for the original Manufacturer's Data Report.

III-3 RULES

Reapplication of the Certification Mark shall only be provided to restore evidence of original compliance with ASME Section I requirements. Reapplication of the Certification Mark shall not be applied for certification of the current condition of the item or for certification to different requirements than originally constructed.



ASME Code Section IV

Criteria For Reapplication Of A Certification Mark

["H, HLW or HV"]

Rules:

- 1) The boiler, boiler part, or pressure relief valve shall be traceable to the original certification. (Applicable Section I Data Report Form as this shall be attached to the new III-1A report).
- 2) The Current Owner has requested the reapplication.
- 3) Where applicable, the Jurisdiction has granted a request for the reapplication
- 4) The reapplication is performed by the original Manufacturer of the item.
- 5) The reapplication shall be witness by an AI in the employ of an ASME Authorized Inspection Agency or a CI in the employ of the original Manufacturer, as applicable.
- 6) Data Form 8-1 shall be completed by the original Manufacturer.



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MANDATORY APPENDIX 8 CRITERIA FOR REAPPLICATION OF A CERTIFICATION MARK

8-100 INTRODUCTION

After an item has been certified under ASME Section IV, if the Certification Mark with appropriate Designator stamping becomes indistinct or the nameplate is illegible or lost, but traceability to the original certification can be established, the Certification Mark may be reapplied to the item.

8-200 CONDITIONS

Reapplication of the Certification Mark shall only be permitted under the following conditions:

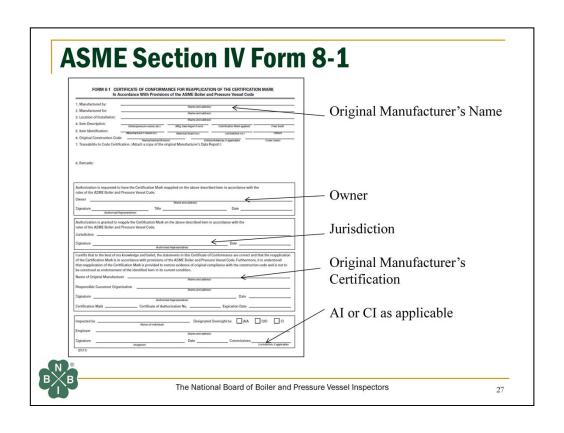
- (a) The Owner has requested the reapplication.
- (b) Where applicable, the jurisdiction has granted the request for reapplication.
- (c) The reapplication shall be performed by the original Manufacturer of the Code item. Where responsibility for the original Code certification has been maintained, reapplication by a successor organization to the original Manufacturer is permitted.
- (d) The reapplication shall be authorized and witnessed by an Inspector from an ASME-accredited Authorized Inspection Agency, or by an authorized representative

of the Qualified Inspection Organization or a Certified Individual, as applicable under the associated certification program.

(e) Reapplication of the Certification Mark shall be documented on a Certificate of Conformance for Reapplication of the Certification Mark as shown in Form 8-1. The completed Certificate of Conformance for Reapplication of the Certification Mark shall be retained as required for the original Manufacturer's Data Report.

8-300 RULES

Reapplication of the Certification Mark shall only be provided to restore evidence of original compliance with ASME Section IV requirements. Reapplication of the Certification Mark shall not be applied for certification of the current condition of the item or for certification to different requirements than originally constructed.



Re-stamping

Re-stamping and/or new nameplates shall be in full compliance with the Code, Sections I or IV for the Edition and Addenda to which the original item was manufactured.

The resultant Data Report Forms shall be distributed and maintained as was required by the Code at the time the item was originally manufactured.



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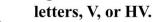
Additional Things To Consider

- 1) The National Board is silent on the subject of reapplication of the National Board Mark. (B) Opinion: Only the original Authorized Manufacture can reapply the NB Mark when witnessed by a National Board Commissioned Inspector.
- 2) ASME is recalling all of their old symbol stamps on or before January 1, 2013.

Opinion: Affective now, we will have to accept the new MARK (and Designator.

3) For Pressure Relief Devices, ASME does not have a stamp small enough to fit on the PRV nameplate.

Opinion: We will have to continue using the old





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