KG-110 GEOMETRIC SCOPE OF THIS DIVISION

The scope of this Division includes only the vessel and integral communicating chambers and shall include the following (KG-111 through KG-117).

KG-111 External Piping and Jackets

Where external piping is to be connected to the vessel (see Article KD-6):

(a) the first threaded joint for screwed connections

(b) the face of the first flange for flanged connections

(c) the first sealing surface for proprietary connections or fittings

(d) the welding end connection for the first circumferential joint for welded connections to external piping, valves, instruments, and the like

(e) the welding pad for attachment of an external jacket

KG-112 Internal Pressure Piping

Internal pressure piping, when failure of such piping will affect the integrity of the pressure boundary.

KG-113 Nonpressure Parts

Nonpressure parts that are welded directly to the internal or external surface of a pressure vessel. For parts beyond this, and for stud-bolted attachments, see Articles KD-6 and KD-7.

KG-114 Covers and Closures

Pressure retaining permanent covers or closures, including seals and bolting, or other mechanical retainers, used in service for vessel openings (see Article KD-6).

KG-115 Instrument Connections

The first sealing surface for small proprietary fittings or instrumentation, such as gages and instruments, for which rules are not provided by this Division (see Article KD-6).

KG-116 Overpressure Protection

Pressure relief devices shall satisfy the requirements of Part KR.

KG-117 Combination Units

When a pressure vessel unit consists of more than one independent pressure chamber, only the parts of chambers which are within the scope of this Division need be constructed in compliance with its provisions (see Articles KD-1 and KG-3).

KG-120 CLASSIFICATIONS OUTSIDE THE SCOPE OF THIS DIVISION

The following classes of pressure containing equipment are not within the scope of this Division:

(a) those within the scopes of other Sections of this Code

(b) fired process tubular heaters

(c) pressure containing equipment that is an integral part or component of a rotating or reciprocating mechanical device, such as

(1) pumps
(2) compressors
(3) turbines
(4) generators
(5) engines
(6) hydraulic or pneumatic cylinders

where the primary design considerations and/or are derived from the functional requirements of t

(d) structures whose primary function is the of fluids from one location to another within a s which they are integral parts (piping systems)

KG-121 Stamping of Vessels Outside the This Division

Any pressure vessel which meets all applicabl ments of this Division may be stamped with the tion Mark with U3 Designator.

The Certification Mark is an ASME symbol identifying a product as meeting Code Requirements. The designator is a symbol used in conjunction with the Certification Mark for the scope of activity described in a Manufacturer's Certificate of Authorization.

KG-130 FIELD ASSEMBLY OF VESSELS (a)

Field assembly and testing of vessels constructed to this Division shall be performed using one of the following three alternatives.

(a) The Manufacturer of the vessel completes the vessel in the field.

(b) The Manufacturer of parts of a vessel to be completed in the field by some other party stamps these parts in accordance with Code rules and supplies the K-2 Manufacturer's Partial Data Report Forms to the other party. The other party, who shall also hold a valid U3 Certificate of Authorization, makes the final assembly, required nondestructive examination (NDE), and final pressure test; completes the K-1 Manufacturer's Data Report Form; and stamps the vessel.

(c) The field portion of the work is completed by a Certificate Holder of a valid U3 Certificate of Authorization other than the Manufacturer. The Certificate Holder performing the work is required to supply a K-2 Manufacturer's Partial Data Report Form covering the portion of the work completed by his organization (including data on the pressure test if conducted by the Certificate Holder

The Certificate of Authorization is a document issued by the Society that authorizes the use of the ASME certification mark and appropriate designator for a specified time and for a specified scope of activity.

KR-317 Sealing of Valve Settings

Means shall be provided in the design of all pressure relief valves for use under this Division for sealing all adjustments which can be made without disassembling the valve before or after installation. Seals shall be installed by the Manufacturer at the time of initial shipment and after field adjustment of the valves by either the Manufacturer or his authorized representative. Seals shall be installed in a manner to prevent changing the adjustment without breaking the seal. For valves larger than NPS ½ (DN 15), the seal shall identify the Manufacturer or Assembler making the adjustment.

KR-318 Drain Requirements

If the design of a pressure relief valve is such that liquid can collect on the discharge side of the disk, the valve shall be equipped with a drain at the lowest point where liquid can collect.

KR-320 MATERIAL SELECTION

KR-321 Seats and Disks

Cast iron seats and disks are not permitted. The seats and disks of pressure relief valves shall be of suitable material to resist corrosion by the fluid to be contained (see KG-311.7), and meet the requirements of KR-324(a), (b), or (c).

KR-322 Guides and Springs

The materials used for guides and springs shall meet the requirements of KR-324(a), (b), or (c). Adjacent sliding surfaces such as guides and disks or disk holders shall both be of corrosion resistant and galling resistant material or shall have a corrosion-resistant coating applied. Galling resistance shall be demonstrated on a prototype valve by popping a valve to full stem lift ten times with subsequent disassembly and inspection showing no indication of galling.

KR-323 Pressure Retaining Parts

Materials used in pressure retaining parts shall be listed in Part KM.

KR-324 Nonpressure-Retaining Parts

Materials used in nozzles, disks, and other parts contained within the external structure of the pressure relief valves shall be one of the following categories:

(a) listed in Section II

(b) listed in ASTM specifications

(c) controlled by the Manufacturer of the pressure relief valve to a specification ensuring control of chemical and physical properties and quality at least equivalent to ASTM standards

KR-330 INSPECTION OF MANUFACTURING AND/OR ASSEMBLY OF PRESSURE RELIEF VALVES

KR-331 Quality

A Manufacturer shall demonstrate to the satisfaction of an ASME designee that manufacturing as applicable; assembling, production, and testing facilities; and quality control procedures ensure that the valves produced by the Manufacturer or Assembler meet the requirements of this Division. For pressure relief valves requiring flow capacity certification (see Article KR-5), it shall also be demonstrated to the satisfaction of an ASME designated organization that there will be close agreement between the performance of random production samples and the performance of those valves submitted for capacity certification.

KR-332 Verification

(a) Manufacturing, assembly, inspection, and test operations, including capacity testing as appropriate, are subject to inspection at any time by an ASME designee.

(b) At the time of the production testing in accordance with KR-340, or the submission of valves for flow capacity certification testing in accordance with Article KR-5, as applicable, the ASME designee and/or its consultants has the authority to reject or require modification of designs which do not conform with the requirements of this Part.

KR-340 PRODUCTION TESTING BY MANUFACTURERS AND ASSEMBLERS

All pressure relief valves manufactured in accordance with this Division shall be tested as described below. Pressure relief valves may be flow capacity tested in accordance with this Article and Article KR-5 [see KR-123(c)].

KR-341 Hydrostatic Testing

the UV3 (a)

The primary pressure retaining parts of each pressure relief valve to which the Certification Mark with ~~U3~~ Designator is to be applied shall be hydrostatically tested to not less than 1.25 times the design pressure of the parts. These tests shall be conducted after all machining operations on the parts have been completed. There shall be no visible signs of leakage. The secondary pressure zone of each closed bonnet valve shall be tested at 1.25

ARTICLE KR-4
CERTIFICATION MARK

[a]

KR-400 MARKING

[a] **KR-401 Marking of Pressure Relief Valves**

Each pressure relief valve shall be plainly marked by the Manufacturer or Assembler with the required data in such a way that the markings will not be obliterated in service. The markings shall be located on a plate securely fastened to the valve. Small valves [less than NPS ½ (DN 15) inlet] may have the nameplate attached with a chain or wire. See KS-130 for methods of application. The marking shall include

(*a*) the name or identifying trademark of the Manufacturer and/or Assembler, as appropriate

(*b*) Manufacturer's or Assembler's design or type number

(*c*) valve inlet size, in. (mm)

(*d*) set pressure, ksi (MPa)

(*e*) flow capacity, SCFM (m^3/hr) of air (60°F and 14.7 psia) (16°C and 101 kPa), or gal/min (L/min) of water at 70°F (21°C), if the pressure relief valve is to be tested to have a certified flow capacity; see KR-122 and KR-123(b). If the pressure relief valve is not flow capacity tested and certified, the flow capacity shall be stamped "NONE."

NOTE: In addition, the Manufacturer/Assembler may indicate the flow capacity in other units (see KR-530).

(*f*) year built or, alternatively, a coding may be marked on the valve such that the valve Manufacturer/Assembler can identify the year built

(*g*) Certification Mark with UV3 Designator as shown in Fig. KR-401

(*h*) Use of the Certification Mark with UV3 Designator by an Assembler shall indicate the use of original, unmodified parts in strict accordance with instructions of the Manufacturer of the valve. The nameplate marking shall include the name of the Manufacturer and the Assembler, and the Certification Mark with UV3 Designator shall be that of the Assembler.

KR-402 Marking of Rupture Disk Devices

Every rupture disk shall be plainly marked by the Manufacturer in such a way that the marking will not be obliterated in service and will not interfere with the function of the disk. The marking may be placed on the flange of the disk or on a metal tab permanently attached thereto. Alternatively, the marking may be placed on a metal tag packaged with each individual rupture disk, to be attached to the holding fixture at assembly; see KR-201 for additional requirements. The marking shall include the following:

(*a*) the name or identifying trademark of the Manufacturer

(*b*) Manufacturer's design, type number, or drawing number

(*c*) lot number

(*d*) material

(*e*) size, in. (mm)

(*f*) stamped burst pressure, ksi (MPa)

(*g*) coincident disk temperature, °F (°C)

Items (a), (b), (d), and (e) shall also be marked on the rupture disk holder. See also KR-201.

In lieu of marking all of the listed items on the flange or tab of each rupture disk, the marking may consist of the stamped bursting pressure and a Manufacturer's coding number sufficient to identify each disk with a Certificate which includes the required information, if such a Certificate is supplied for each lot of rupture disks.

[a]

FIG. KR-401 OFFICIAL NEW CERTIFICATION MARK TO DENOTE THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS' STANDARD

KR-403 Marking of Pressure Relief Valves in Combination With Rupture Disk Devices

Pressure relief valves in combination with rupture disk devices shall be marked with the flow capacity established in accordance with KR-220, in addition to the marking of

KR-401 and KR-402. The marking may be placed on the valve or on a plate or plates securely fastened to the valve. The marking shall include the marking required by KR-401(a) through (g) and the specific details of the rupture disk device so that the rupture disk device is uniquely identified and specified.

(a) **KR-410 USE OF CERTIFICATION MARK**

Each pressure relief device to which the Certification Mark is to be applied shall be fabricated or assembled by a Manufacturer or Assembler who is in possession of a Certification Mark (see Fig. KR-401) and a valid Certificate of Authorization, obtainable when the conditions of Article KS-2 have been met.

A Certified Individual (CI) shall provide oversight to ensure that each use of the Certification Mark is in accordance with the requirements of this Division. In addition, each use of the Certification Mark is to be documented on a Certificate of Conformance Form K-4 as appropriate.

(a) Requirements for the Certified Individual (CI). The CI shall

(1) be an employee of the Manufacturer or Assembler.

(2) be qualified and certified by the Manufacturer or Assembler. Qualifications shall include as a minimum

(a) knowledge of the requirements of this Division for the application of the appropriate Certification Mark

(b) knowledge of the Manufacturer's or Assembler's quality program

(c) training commensurate with the scope, complexity, or special nature of the activities to which oversight is to be provided

(3) have a record, maintained and certified by the Manufacturer or Assembler, containing objective evidence of the qualifications of the CI and the training program provided

(b) Duties of the Certified Individual (CI). The CI shall

(1) verify that each item to which the Certification Mark is applied meets all applicable requirements of this Division and has a current capacity certification for the Certification Mark with UV3 Designator

(2) for Certification Mark with UV3 Designator, review documentation for each lot of items to be stamped to verify, for the lot, that requirements of this Division have been completed

(3) sign the appropriate Certificate of Conformance Form K-4, as appropriate, prior to release of control of the item

(c) Certificate of Conformance Form K-4

(1) The appropriate Certificate of Conformance shall be filled out by the Manufacturer or Assembler and signed by the CI. Multiple duplicate pressure relief devices may be recorded on a single entry, provided the devices are identical and produced in the same lot.

(2) The Manufacturer's or Assembler's written quality control program shall include requirements for completion of Certificates of Conformance forms and retention by the Manufacturer or Assembler for a minimum of 5 years.

Certification Mark with appropriate Designator

PART KS
MARKING, STAMPING, REPORTS, AND RECORDS

ARTICLE KS-1
CONTENTS AND METHOD OF STAMPING

(a) **KS-100 REQUIRED MARKING FOR VESSELS**

Each pressure vessel to which the Certification Mark with U3 Designator is applied shall be marked with the following:

(a) The official Certification Mark with U3 Designator, as shown in Fig. KS-100, shall be stamped on vessels certified in accordance with this Division.

(b) Name or identifying acronym of Manufacturer of the pressure vessel as it is shown on the Certificate of Authorization, preceded by "Certified by." Trademark is not considered to be sufficient identification for vessels or parts constructed to this Division. See Nonmandatory Appendix C.

(c) Manufacturer's serial number (MFG SER). Also, as applicable, Canadian Registration Number (CRN), National Board Registration Number (NB or NATL BD).

(d) Design pressure at coincident design metal temperature.

NOTE: When a vessel is specified to operate at more than one pressure and temperature condition, such values of coincident pressure and design temperature shall be added to the required markings.

(e) Minimum design metal temperature in accordance with KG-311.4(c).

(f) Year built.

(g) Construction type:

F = forged
HT = heat treated
M = monobloc (solid wall)
PS = prestressed (autofrettaged or shrink fitted)
QT = quenched and tempered

FIG. KS-100 OFFICIAL NEW CERTIFICATION MARK TO DENOTE THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS' STANDARD (a)

U3

W = welded
WL = welded layered
WW = wire wound

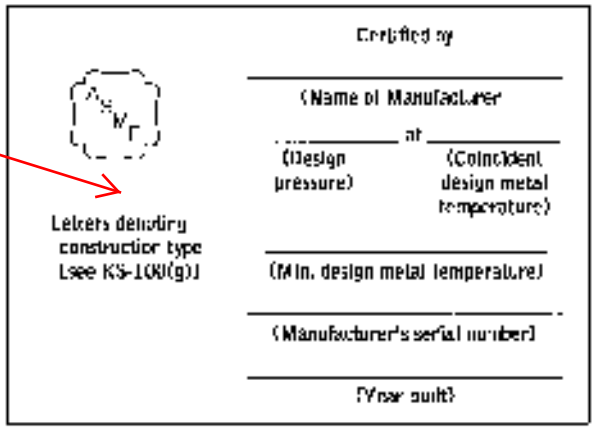
(h) When examination of the welds is done using UT in accordance with KE-301, the nameplate shall be marked under the Certification Mark and Designator by applying UT, to indicate ultrasonic examination of welded seams required to be examined in accordance with this Division.

KS-101 Methods of Marking Vessels With Two or More Independent Chambers

One of the following arrangements shall be used in marking vessels having two or more independent pressure chambers designed for the same or different operating conditions. Each detachable chamber shall be marked to identify it positively with the combined unit.

KS-101.1 If Markings Are Grouped in One Location. The markings may be grouped in one location on the vessel provided they are arranged to indicate clearly

(a) FIG. KS-132 FORM OF STAMPING



U3

Inspector. The duplicate nameplate shall be marked "DUPLICATE." The use of duplicate nameplates, and the casting of the Certification Mark on the duplicate nameplate, shall be controlled as described in the Manufacturer's Quality Control System.

marking

KS-132 Size and Arrangements of Characters

(a) The data shall be in characters not less than $\frac{5}{16}$ in. (8 mm) high and shall be arranged substantially as shown in Fig. KS-132.

(b) Where space limitations do not permit the requirements of KS-132(a) to be met, such as for parts with outside diameters of 3½ in. (90 mm) or smaller, the required character size to be stamped directly on the vessel may be $\frac{1}{8}$ in. (3.2 mm).

(c) The parenthetical supporting information below the data lines in Fig. KS-132 and Fig. KS-132M may be added as shown in the figure to the nameplate information for clarity. This parenthetical information may be either stamped, etched, or engraved. The characters may be smaller than other stamped information, but not less than $\frac{1}{16}$ in. (3.2 mm). These markings shall be applied with low stress-type stamps if applied directly to the vessel shell.

KS-140 ATTACHMENT OF NAMEPLATE OR TAG

If all or part of the data is marked on the nameplate or tag before it is attached to the vessel, the Manufacturer shall ensure that the nameplate with the correct marking has been attached to the vessel to which it applies as described in his Quality Control System. The Inspector shall verify that this has been done.

KS-150 SPECIAL STAMPING REQUIREMENTS FOR COMPOSITE REINFORCED PRESSURE VESSELS (CRPV) (10)

(a) The year of vessel expiration shall be shown on the Manufacturer's Data Report and the CRPV nameplate.

(b) The nameplate shall be marked with "CR" designating Composite Reinforced Pressure Vessel construction type.

(c) Nameplates may be attached to a metallic head or to the composite reinforcement portion of the vessel. Nameplates attached to the composite reinforcement portion of the vessel shall be attached in accordance with the requirements of Section X, KS-150.

(d) For CRPV in transport service, a supplementary nameplate shall be affixed to the CRPV in the immediate vicinity of the connection that will be used for filling that shows the service or the working pressure.

The Certification Mark Stamp is a metallic stamp issued by the Society for use in impressing the Certification Mark.

ARTICLE KS-2
OBTAINING AND USING CERTIFICATION MARKS

KS-200 CERTIFICATION MARK BEARING OFFICIAL SYMBOL

A Certificate of Authorization to use the Certification Mark with U3 or UV3 Designators (see Nonmandatory Appendix C) shown in Fig. KS-100 and Fig. KR-401 will be granted by the Society pursuant to the provisions of the following paragraphs. Stamps for applying the Certification Mark shall be obtained from the Society.

KS-210 APPLICATION FOR AUTHORIZATION

(a) Any organization desiring a Certificate of Authorization shall apply to the Boiler and Pressure Vessel Committee of the Society, on forms issued by the Society,[1] specifying the stamp desired and the scope of Code activities to be performed.

(b) When an organization intends to build Code items in plants in more than one geographical area, either separate applications for each plant or a single application listing the addresses of all such plants shall be submitted. Each application shall identify the accredited Authorized Inspection Agency providing Code inspection at each plant. A separate Certificate of Authorization will be prepared and a separate fee charged by the Society for each plant.

(c) Each applicant shall agree that each Certificate of Authorization and each Certification Mark are at all times the property of the Society, that they will be used in accordance with the rules and regulations of this Division of the Code, and that they will be promptly returned to the Society upon demand, or when the applicant discontinues the Code activities covered by this certificate, or when the Certificate of Authorization has expired and no new certificate has been issued. The holder of a Certification Mark shall not allow any other organization to use it.

Stamp

Stamp

[1] The application forms and related information and instructions may be obtained by writing to the Secretary, ASME Boiler and Pressure Vessel Committee, Three Park Avenue, New York, NY 10016-5990.

KS-220 ISSUANCE OF AUTHORIZATION

(a) Authorization to use the Certification Marks may be granted or withheld by the Society in its absolute discretion. If authorization is granted and the proper administrative fee paid, a Certificate of Authorization evidencing permission to use any such symbol, expiring on the triennial anniversary date thereafter, will be forwarded to the applicant. Each such certificate will identify the Certification Mark to be used and the type of shop operations, field operations, or both for which authorization is granted (see Nonmandatory Appendix C). The certificate will be signed by the Chairman of the Boiler and Pressure Vessel Committee and the Director of Accreditation.

(b) Six months prior to the date of expiration of any such certificate, the applicant shall apply for a renewal of such authorization and the issuance of a new certificate.

(c) The Society reserves the absolute right to cancel or refuse to renew such authorization, returning, pro rata, fees paid for the unexpired term.

(d) The Boiler and Pressure Vessel Committee may at any time make such regulations concerning the issuance and use of Certification Marks as it deems appropriate, and all such regulations shall become binding upon the holders of valid Certificates of Authorization.

KS-230 INSPECTION AGREEMENT

(a) As a condition of obtaining and maintaining a Certificate of Authorization to use the Certification Mark with U3 Designator, the Manufacturer shall have in force at all times an inspection contract or agreement with an accredited Authorized Inspection Agency as defined in KG-431 to provide inspection services. This inspection agreement is a written agreement between the Manufacturer and the inspection agency which specifies the terms and conditions under which the inspection services are to be furnished and which states the mutual responsibilities of the Manufacturer and the Authorized Inspectors. A certificate holder shall notify the Society whenever his agreement with an accredited Authorized Inspection Agency is canceled or changed to another accredited Authorized Inspection Agency.

(b) Neither Manufacturers nor Assemblers of pressure relief valves are required to have an inspection agreement with an accredited Authorized Inspection Agency.

(a) **KS-240 QUALITY CONTROL SYSTEM**

Any Manufacturer or Assembler holding or applying for a Certificate of Authorization to use the Certification Mark with U3 or UV3 Designator shall demonstrate a Quality Control System to establish that all Code requirements shall be met. The Quality Control System of Certificate holders with Certification Mark with UV3 Designator shall include duties of a Certified Individual, as required by this Division. (See KR-410.)

(a) **KS-250 EVALUATION FOR AUTHORIZATION AND REAUTHORIZATION**

(a) Before issuance or triennial renewal of a Certificate of Authorization for use of the Certification Mark with U3 Designator, the Manufacturer's facilities and organization are subject to a joint review by a representative of his inspection agency and an individual certified as an ASME designee who is selected by the concerned legal jurisdiction. A written description or checklist of the Quality Control System which identifies what documents and what procedures the Manufacturer will use to produce a Code item shall be available for review.

(b) A written report to the Society shall be made jointly by the jurisdiction and the accredited Authorized Inspection Agency employed by the Manufacturer to do his Code inspection. This report is then reviewed by the Subcommittee on Boiler and Pressure Vessel Accreditation, which will either issue a Certificate of Authorization or notify the applicant of deficiencies revealed by the review. In the latter case, the applicant will be given an opportunity to explain or correct these deficiencies.

(c) Certificates of Authorization will be endorsed to indicate the scope of activity authorized. Authorization may include field operations if the review team determines that these operations are adequately described in the Quality Control Manual and this determination is accepted by the Society.

(d) Before issuance or renewal of a Certificate of Authorization for use of the Certification Mark with UV3 Designator, the valve Manufacturer's or Assembler's facilities and organization are subject to a review by an ASME designee. A written description or checklist of the Quality Control System, which identifies the documents and procedures the Manufacturer or Assembler will use to produce Code pressure relief valves, shall be available for review. The ASME designee shall make a written report to the Society, where the Subcommittee on Boiler and Pressure Vessel Accreditation will act on it as described above.

(e) The purpose of the review by an ASME designee is to evaluate the applicant's Quality Control System and its implementation. The applicant shall demonstrate sufficient administrative and fabrication functions of the system to show that he has the knowledge and ability to produce the Code items covered by his Quality Control System. Fabrication functions may be demonstrated using current work, a mock up, or a combination of the two.

(f) The Manufacturer may at any time make changes in the Quality Control System concerning the methods of achieving results, subject to acceptance by the Authorized Inspector. For Manufacturers and Assemblers of "UV3" stamped pressure relief valves, such acceptance shall be by the ASME designated organization.

(g) For those areas where there is no jurisdiction or where a jurisdiction does not choose to select an ASME designee to review a Manufacturer's facility, that function shall be performed by an ASME designee selected by ASME. Where the jurisdiction is the Manufacturer's inspection agency, the joint review and joint report shall be made by the jurisdiction and the ASME designee.

KS-260 CODE CONSTRUCTION BEFORE RECEIPT OF CERTIFICATE OF AUTHORIZATION (a)

When used to demonstrate his Quality Control System, a Manufacturer may start fabricating Code items before receipt of a Certificate of Authorization to use a Certification Mark under the following conditions:

(a) the fabrication is done with the participation of the Authorized Inspector and is subject to his acceptance

(b) the activity is in conformance with the applicant's Quality Control System

(c) the item is stamped with the appropriate Certification Mark and certified once the applicant receives his Certificate of Authorization from the Society

Certification Mark with appropriate Designator

KS-270 SPECIAL REQUIREMENTS REGARDING MANUFACTURER'S CERTIFICATES FOR MANUFACTURE OF COMPOSITE REINFORCED PRESSURE VESSELS (CRPV) (10)

(a) The Manufacturer shall prepare, implement, and use a quality program that includes the specific technical issues related to the manufacture of CRPV. The level of detail shall be sufficient to satisfy all requirements listed in Appendix 2 of this Division, and Section X, Appendix 1.

(b) The Manufacturer shall be accredited to apply the "U3" stamp (Section VIII, Division 3) and shall be accredited to apply the "RP" stamp (Section X).

(a)

NONMANDATORY APPENDIX C
GUIDE TO INFORMATION APPEARING ON CERTIFICATE OF AUTHORIZATION
(SEE FIG. C-1)

ITEM	DESCRIPTION
①	Certification Mark granted by the Society, and U3 Designator for pressure vessels, UV3 Designator for pressure relief valves.
②	a. The name of the Manufacturer or Assembler. b. The full street address, city, state or province, country, and zip code.
③	This entry describes the scope and limitations, if any, on use of the Certification Mark with U3 and UV3 Designators. Illustrated below are some examples of scope statements. **Certification Mark With U3 Designator** 1. Manufacture of pressure vessels at the above location only. 2. Manufacture of pressure vessels at the above location only. (This authorization does not cover welding or brazing.) 3. Manufacture of pressure vessels at the above location and field sites controlled by the above location. 4. Manufacture of pressure vessels at the above location and field sites controlled by the above location. (This authorization does not cover welding or brazing.) 5. Manufacture of pressure vessels at field sites controlled by the above location. 6. Manufacture of pressure vessels at field sites controlled by the above location. (This authorization does not cover welding or brazing.) 7. Manufacture of pressure vessel parts at the above location only. 8. Manufacture of pressure vessel parts at the above location and field sites controlled by the above location. 9. Manufacture of pressure vessel parts at field sites controlled by the above location. **Certification Mark With UV3 Designator** 1. Manufacture of pressure vessel pressure relief valves at the above location only. 2. Manufacture of pressure vessel pressure relief valves at the above location only. (This authorization does not cover welding or brazing.) 3. Assembly of pressure vessel pressure relief valves at the above location. (This authorization does not cover welding or brazing.)
④	The date authorization was granted by the Society to use the indicated Code symbol stamp.
⑤	The date authorization to use the Code symbol stamp will expire.
⑥	A unique certificate number assigned by the Society.
⑦, ⑧	The signatures of the current chair and director.

Certification Mark with appropriate Designator

Certification Mark with appropriate Designator

FIG. C-1 SAMPLE CERTIFICATE OF AUTHORIZATION