

PRACTICAL GUIDE · 2026 EDITION

Pressure Equipment Passport for EAC The Handbook

A comprehensive handbook for manufacturers,
exporters and product managers



EQUIPMENT · DATA · APPROVAL · OPERATION
TESTING · DOCUMENTATION · CHECKLISTS

How to use this handbook

From manufacture inputs to an approved passport and operating history.

This handbook addresses manufacturers, designers, plant builders, exporters, importers and operators of pressure equipment. The linked AC Inorms page concerns the pressure vessel passport. The guide therefore explains preparation and use, including different equipment passport types under TR CU 032/2013. It connects the sector page, regulations archive and official foundations with an original practical method. Both editions share the same structure. Templates are working aids, not official forms or approvals of actual equipment.

Structure and use

Pages 4-10 cover records, obligation review, passport types, national operating law, standards and roles. Pages 11-16 address workflow, sources, identity, parameters and manufacture. Pages 17-20 explain equipment-specific content. Pages 21-30 cover life limits, acceptance, supply and operation. Pages 31-36 address marking, language, media and archiving. Templates appear on pages 37-40; cases, FAQs and worksheets on pages 41-47. Sources and contact close the guide.

Edition 1.0 · As of 14 October 2026

A passport replaces neither instructions, strength evidence nor EAC certificate/declaration. The 2014 Russian reference is treated as historical; review national operating law separately.

Contents

Linked chapters and printable working aids.

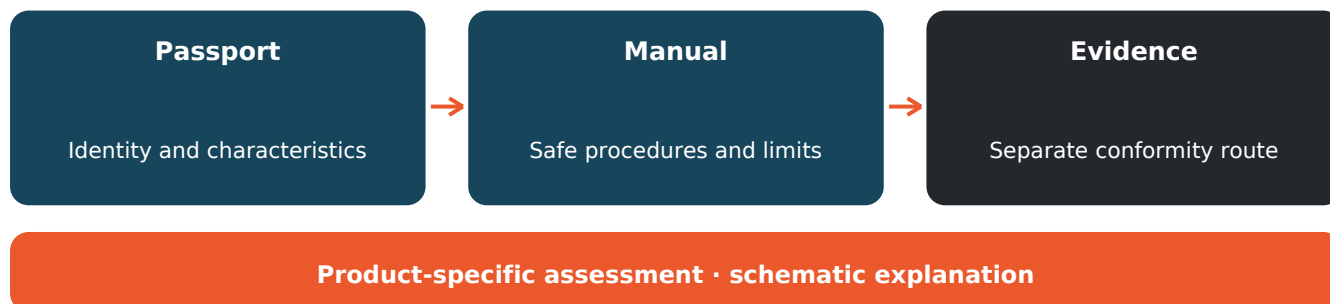
Chapter	Pages
Obligations, passport types, standards and roles	4-10
Workflow, inputs and technical master data	11-16
Equipment-specific passport content	17-20
Service life, supply and operation	21-30
Marking, languages, media and archiving	31-36
Templates, cases, FAQs and worksheets	37-47
Sources and contact	48-50

Suggested starting point

Determine equipment type, actual scope and passport duties. Confirm technical sources and manufacture revision. Then use parameter, acceptance and change templates.

Equipment passport, instructions and EAC evidence

Each document type serves a different purpose.

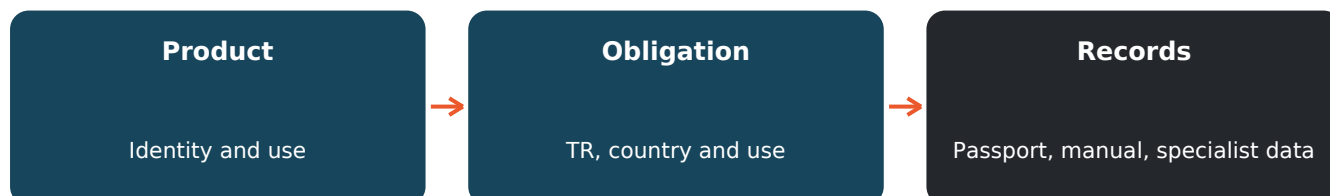


Record	Purpose and boundary
Technical passport	Identity, characteristics, acceptance, warranty and relevant lifecycle data.
Operating manual	Safe use, installation, operation, servicing and residual risks.
Formulary / operating logbook	More detailed operating and condition records where needed.
Pressure-equipment passport	Specific records under TR 032 and equipment type.
Safety justification	Technical risk assessment and protection concept.
EAC certificate / declaration	Legally required conformity evidence with its own scope.

Avoid using one unreviewed document title for every record. References to a manual may be used where required information remains complete and accessible. A passport bearing an EAC logo is not itself a certificate.

Obligation review and product boundaries

Distinguish equipment, component and assembly correctly.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Product	Vessel, piping, boiler, cylinder or valve.
Parameters	Pressure, volume/DN, substance, group and actual use.
Scope	Applicable TR thresholds and exclusions.
Component	Review specific identification records under paragraph 16.
Assembly	Allocate supply boundary and individual equipment records.

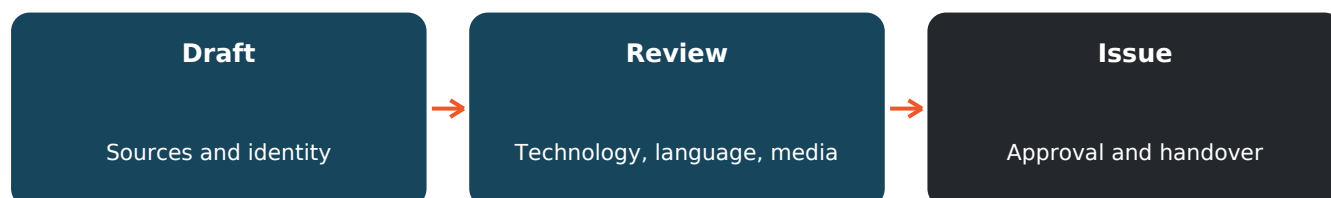
Pressure alone does not create a universal passport duty for every product. Review actual goods and scope. Elements and components may use identification records instead of a complete equipment passport. An overall assembly manual does not automatically replace necessary individual passports. Record the reasoned allocation. Other regulations and national duties still need review. Select a template after this decision. This prevents needless duplication and missing necessary content.

In practice

Keep an equipment list with tag, model, function and record duty.

Manufacturer passport under TR CU 032/2013

Identity and records across the lifecycle.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Function	Key equipment identity record.
Preparation	Manufacturer owns actual particulars.
Approval	Responsible signature and issue date.
Seal	Under the applicable statutory conditions.
Maintenance	Unit history and preserved original manufacture facts.

Paragraph 17 addresses covered equipment and manufacturer approval. A provider may support drafting without inventing test data or manufacturer signatures. A company stamp is not a universal substitute for accountable approval. Link the passport to actual equipment and configuration. Later entries add history without obscuring original supply facts. Connections to drawings, calculations, instructions and conformity evidence support subsequent review. The issued record must match the supplied unit.

In practice

Keep technical input approval separate from drafting completion.

Passport types: equipment determines content

Allocate TR 032 paragraphs 19-23 by equipment.

Equipment	Regulatory reference / focus
Piping	Paragraph 19: system, substance, limits and manufacture/installation records.
Boiler	Paragraph 20: type, output, equipment and manufacture inputs.
Vessel	Paragraph 21: identity, parameters, parts, protection and evidence.
Cylinder	Paragraph 22: identity, filling/pressure limits and safe use.
Valve	Paragraph 23: DN, pressure, function, material and other properties.

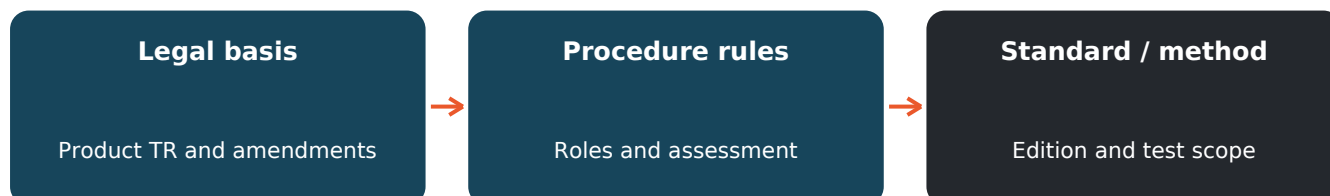
This allocation aid is not a complete transcript of mandatory fields. Read the applicable original clause and additional product duties. The sector page groups several types under pressure vessel passport. Use more precise actual passport names in the dossier. Assemblies can share master inputs while retaining clear equipment-specific particulars. Additional manufacturer information is possible without displacing necessary fields.

Template choice

Do not apply a vessel form uncritically to boilers, valves or piping.

National operating law and the 2014 reference

Review EAEU product law and Russian operator duties separately.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
EAEU	TR 032 for covered products and associated records.
Russia	National operation, supervision and technical examinations.
2014 / 116	Historical sector-page reference; do not adopt as universally current.
536 / 2020	Russian operating rules from 1 January 2021; check amendments.
Destination	Other member states have their own operator rules.

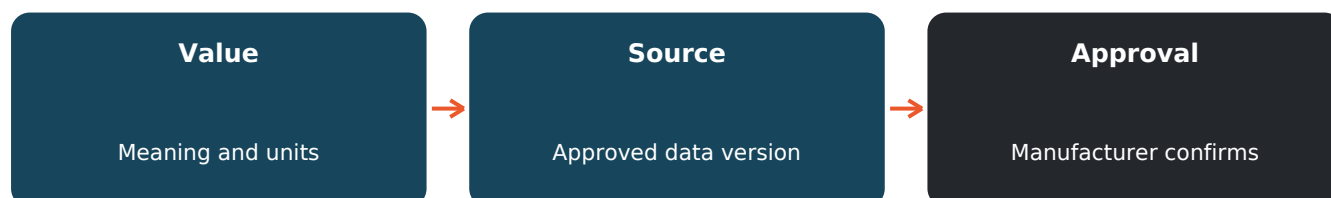
Do not use Order 116 of 25 March 2014 as the sole current basis for every supply. In Russia review Order 536 of 15 December 2020 with its amendment status. Its original edition specifies a limit of 1 January 2027; projects beyond that date require renewed status review. This national layer does not establish an identical passport form in all five states. National registration, examinations and operating release are separate tasks. Passport inputs support but do not replace those procedures.

In practice

Do not confuse Order 116/2014 with Industrial Safety Law 116-FZ.

GOST 34347 and other documentation standards

Use standards within actual applicability.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
34347-2017	Active standard for steel welded vessels and apparatus.
Product type	Not a universal template for every boiler or valve.
Calculation	Linked strength basis and actual manufactured equipment.
ESKD	Operating records: review national editions and TR linkage.
2026 / 2027	New Russian ESKD editions regularly from 1 October 2027.

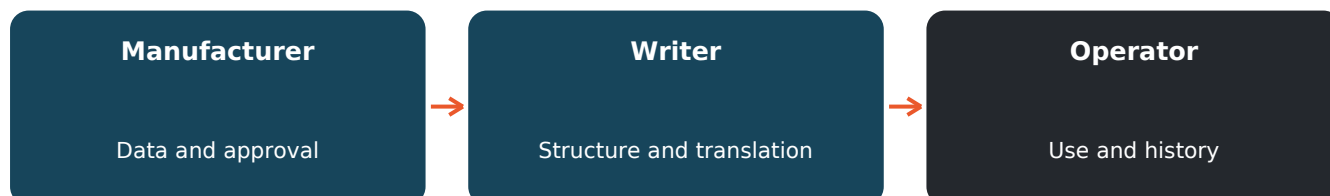
Review GOST 34347-2017 within scope, including relevant corrections. Naming a standard does not prove passport completeness. Distinguish designation, edition, country and listing for operating records. Russian GOST R 2.601-2026 and GOST R 2.610-2026 permit early use, with regular start in 2027. This does not create automatic universal passport changes for all EAEU equipment. Connect selected standards to actual duties, inputs and approvals.

In practice

Plan the passport under product rules and allocate standards as justified technical bases.

Roles and additional commercial information

Distinguish manufacturer approval and supply-chain information.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Manufacturer	Own manufacture, inputs and passport approval.
Provider	Support structure, drafting and translation.
Supply chain	Identify supplier, importer and seller where required.
Operator	Unit history and actual operating records.
Duty / addition	Identify TR field, manufacturer addition and contractual input.

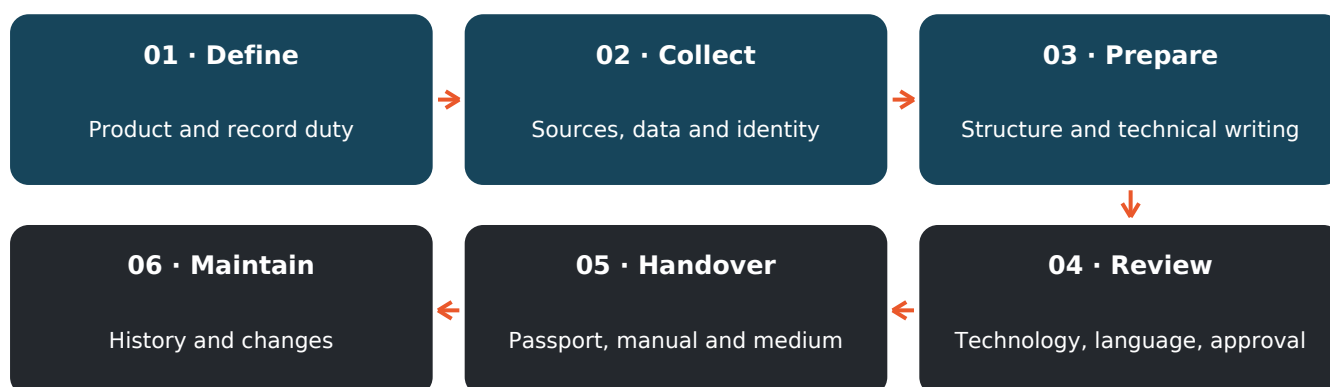
The sector page lists manufacturer, supplier, importer and seller. Roles may coincide or concern different entities. Additional commercial fields are not automatically mandatory in every TR 032 passport. Allocate particulars to applicable rules and agreements. A completed passport does not make a trader the design manufacturer. Use confirmed technical inputs. Supply importer and operator with necessary editions and clear contacts. Distinguish supply-chain changes from engineering changes. Keep accountable approvals visible.

In practice

Review entity name, role, address and actual product linkage together.

Preparation workflow and approval gates

Review data before translation and issue.



Assessment area	Project implementation
01 · Scope	Establish obligation, standards edition and use.
02 · Sources	Collect released drawings, data and reports.
03 · Draft	Product-specific structure with supported entries.
04 · Review	Check technology, identity, language and references.
05 · Issue	Manufacturer approval, supply and archive.

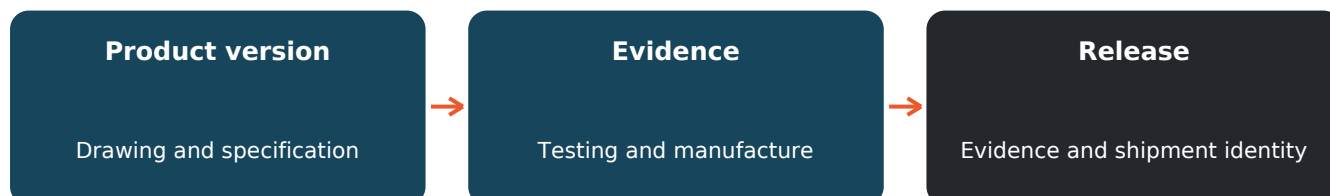
Define open data questions and necessary records before drafting. Keep missing limits visible as open issues rather than filling plausible numbers. Review the draft against design and actual goods. Translate a stable source version. Synchronise changes in both languages during translation. Issue the supply version only after recorded approval. Handover records confirm medium and product linkage. Later supplements follow the same controlled process with a clear connection to the original passport.

In practice

Do not release supply with unresolved safety-related data.

Data collection and technical sources

Supported inputs form the passport's foundation.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Master data	Manufacturer, site, applicant, models and trade names.
Technical file	Specification, drawings, materials and components.
Safety	Requirements, risks and necessary technical assessments.
Evidence	Test reports, sampling records and manufacturing files.
Market records	Instructions, label, passport and shipping documents.

Create a dossier index listing document number, version, language, owner and approval status. Do not combine files with different model scopes without explanation. Drawings and bills of materials must reflect goods actually offered. For confidential formulations or design data agree who sends records directly to laboratory and body. Confidentiality must not prevent necessary assessment. Not every record type is required for every product; the confirmed legal route determines the necessary scope.

In practice

A dossier index reduces queries and makes later changes auditable.

Cover and unique product identity

Distinguish unit, model and record.

Product

Model and configuration

Unit

Serial and manufacture

Record

Identifier and revision

Product-specific assessment · schematic explanation

Assessment area	Project implementation
Record	Title, identifier, edition and language.
Manufacturer	Legal name and actual site.
Product	Name, type, model and technical variant.
Unit	Serial number and manufacture date where required.
Approval	Owner and traceable issue.

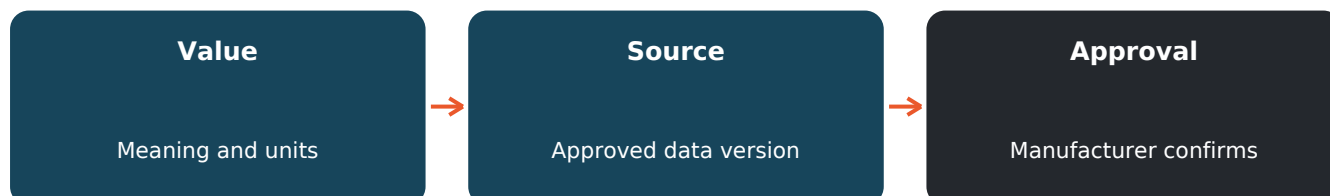
A document code is not the equipment serial number. Shared content may be prepared for a family; required unit-specific passports must link to actual goods. Trade names and translated models must not imply new identity. Match manufacturer and site to nameplate and conformity evidence. Do not invent official approval numbers on a cover. Approval identifies who confirmed technical data. Repeat record identity on relevant pages and annexes.

In practice

Link product and nameplate photographs separately to serial identity.

Technical data and permitted limits

Every value needs meaning, units and a source.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Performance	Rated and maximum value with operating state.
Supply	Electricity, compressed air, hydraulics or gas.
Dimensions	Mass, installation envelope and clearances.
Environment	Temperature, humidity, protection and special conditions.
Limit	Permitted range rather than a sales figure.

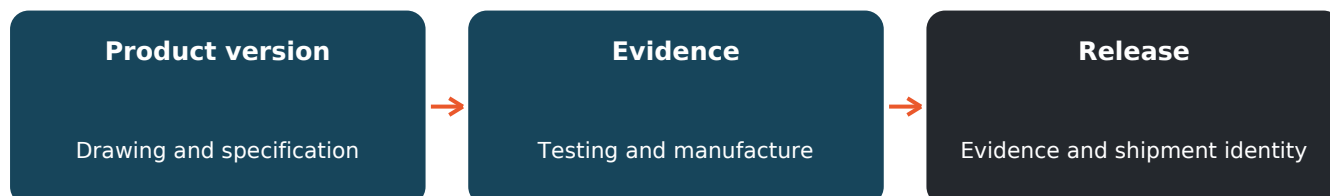
Distinguish rated, tested and maximum permissible values. Do not merge variant datasheets without review. Pressure without medium or temperature can mislead. Use controlled units and verify conversions. Derive limits from approved design and evidence. Assessed software versions matter for parameters. Explain data so assembly and use receive consistent requirements. Mark inapplicable fields with rationale; retain missing data as unresolved issues.

In practice

Source matrix: value, unit, record number, revision and approval.

Supply scope, components and accessories

Compare completeness with actual supply.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Base equipment	Model, assemblies and installed configuration.
Accessories	Tools, adapters and approved additions.
Spares	Necessary parts and clear identity.
Records	Passport, instructions and relevant annexes.
Check	Packing list, order and product matrix.

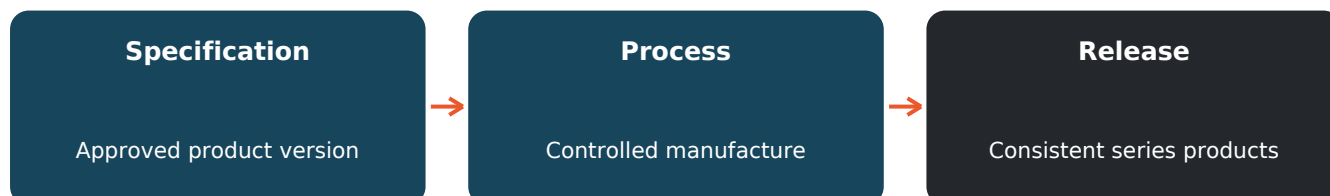
Completeness records describe actual handover. A standard list must not assume absent safety components. Link separately packed items clearly. Record site-supplied work and supply limits. Identify accessories as permitted only where use is technically approved. For multiple shipments show the relationship to the complete supply. Check completeness before dispatch and at handover. A general website reference does not replace missing records.

In practice

Use identical names in passport and packing list.

Materials, welding and manufacturing evidence

Trace passport data to actual manufactured equipment.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Material	Grade, form, supply condition and relevant evidence.
Weld	Position, process and associated records.
Examination	Dimensional checks, NDT and necessary testing.
Geometry	Actual dimensions and confirmed deviations.
Linkage	Component, batch, serial number and report.

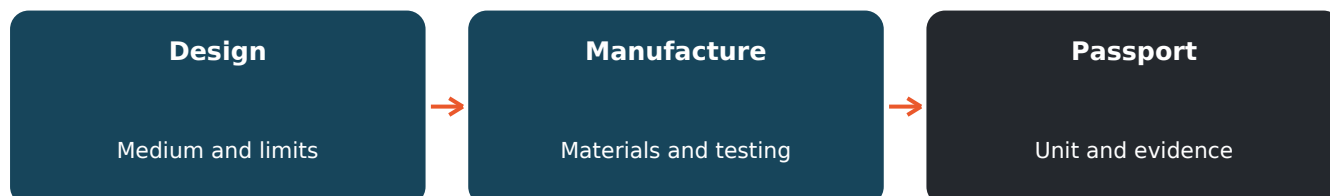
Do not certify unperformed tests in the passport. Use actual production records and allocate revisions. A catalogue grade does not replace necessary supply evidence. Technically assess weld repairs and deviations before approving data. Drawings, calculations and reports describe matching revision. Referenced schedules remain available. A writer may structure inputs without becoming the examiner. Approval checks reliable safety-related particulars and unit linkage.

In practice

Connect manufacturing claims with report IDs and product identity.

Vessels: content under paragraph 21

Connect unit identity, load limits, materials and protective systems.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Identity	Manufacturer, date, name, serial and design service life.
Limits	Working, design and test pressures; fluid and wall temperatures.
Contents	Substance and group, volume, empty and maximum filled mass.
Construction	Parts, materials, joints, allowances and production examinations.
Equipment	Safety devices, valves, instruments and drawings.

Paragraph 21 distinguishes pressure and temperature types. A single value labelled maximum therefore provides inadequate structure. Minimum wall temperature at design pressure and, where relevant, sub-zero startup must match construction. State allowable cycles where the relevant stress amplitude can be determined. Parts schedules connect dimensions, materials, welding, heat treatment and examinations. Clearly reference drawings, manufacturer modifications and parts lists. Additional particulars support actual use. This is orientation; review the complete original clause against the equipment.

In practice

Record each pressure with meaning, units and associated temperature.

Piping: content under paragraph 19

Clearly record system boundaries and installation state.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Parties	Operator and manufacturer names and addresses.
System	Designation, category, manufacture date and boundaries.
Operating data	Substance and group; design and working pressures.
Temperature	Design wall and operating fluid temperatures.
Evidence	Life, resource, starts, diagram and manufacture/installation.

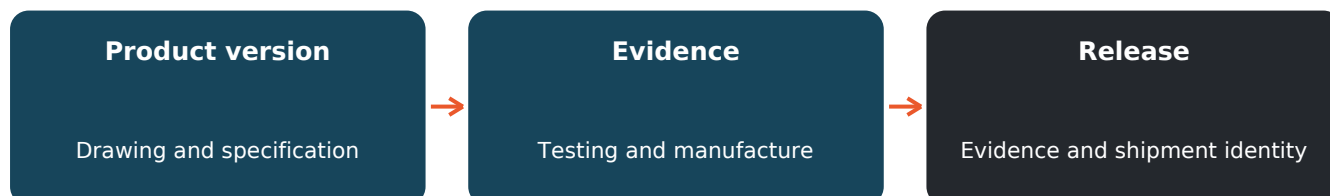
Passports for individual fittings do not adequately describe a piping system. Define ends, branches, connections and responsibility boundaries. Match drawings to actual installation. Assess site modifications before release. Connect manufacturing and installation records to system identity. Operator particulars explicitly form part of equipment-specific content. Date later operator changes while preserving original manufacturer data. Retain traceable category and design bases.

In practice

An installed system requires confirmed as-built records.

Boilers: content under paragraph 20

Connect output, heating, protection and pressure-retaining parts.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Master data	Type, purpose, serial, date, dimensions and life.
Heating	Fuel, calorific value, consumption and burner inputs.
Output	Steam/heat output, heating area, capacity and flow.
Protection	Safety devices, levels, controls and automatic trips.
Manufacture	Materials, welds, heat treatment, NDT and pressure test.

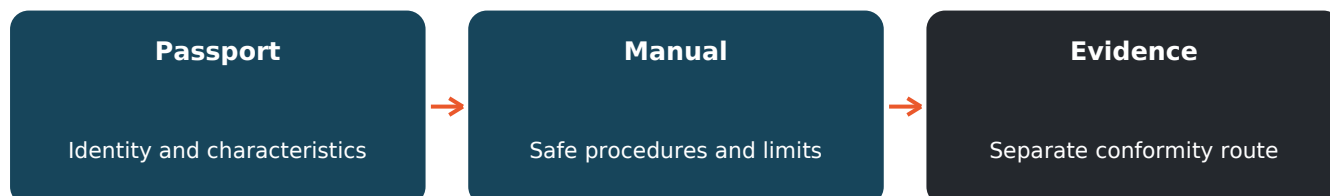
Boiler particulars extend far beyond vessel passport content. Distinguish design, working, test and applicable hydraulic pressure limits. Allocate steam, water and heat-transfer temperatures to their functions. List main valves, pumps, measurement, signalling, control and protection. Clearly describe tube and plate parts and connections, covers and flanges. Address heat-transfer fluid properties. Drawings and manufacturer changes form part of the traceable basis. Check the entire paragraph 20 against actual equipment and boiler type.

In practice

Identify protective equipment functions and associated evidence.

Cylinders, valves and safety accessories

Distinguish paragraphs 22 and 23 and accessory requirements.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Cylinder	Serial, substance, pressure, capacity, mass and neck thread.
Filling	Temperatures, maximum filling cycles and life from manufacture.
Valve	DN, PN/working pressure, purpose and connection type.
Properties	Leak tightness, hydraulics, climate, actuator and main materials.
Accessories	Separate passports and capacity evidence where required.

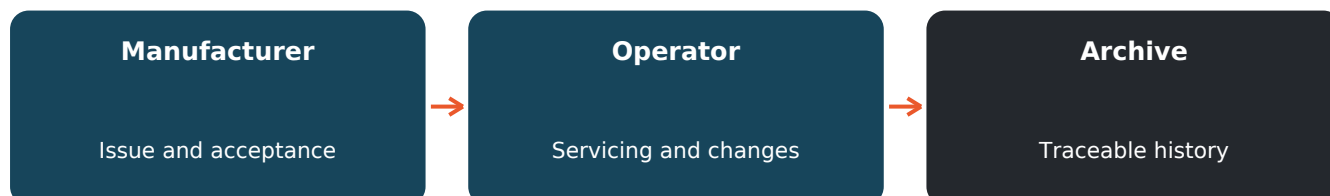
Cylinder passports also address transport, storage, installation and safe use. Valve passports include conformity, reliability and safety particulars. Shutoff leak tightness is not overall plant approval. Paragraph 16 provides separate passports and necessary capacity calculations for safety devices included in the design. Allocate setting pressure, configuration and substance to the correct device. An accessory list without actual identity and records is inadequate. Manufacturer additions may supplement these inputs.

In practice

Link equipment and accessory passports through serial numbers and schedule references.

Service life, resource and use limits

Periods are technical data with conditions.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Service life	Manufacturer value with start and operating conditions.
Resource	Hours, cycles, starts or other relevant measure.
Component	Different limits of critical parts.
Recording	Traceable operating and counter data.
Limit reached	Assessment and necessary actions.

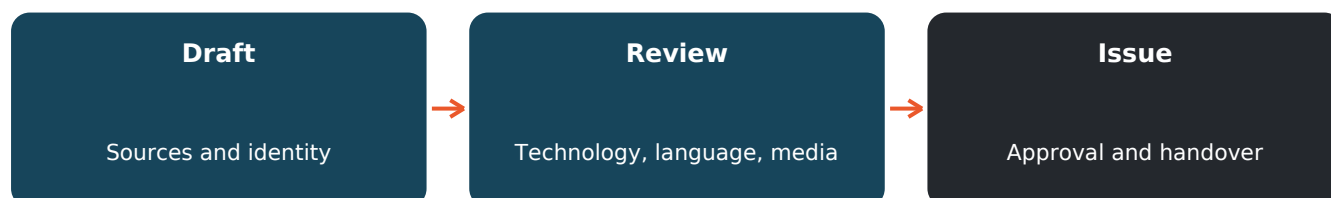
Do not invent service life from industry practice. It needs technical justification and manufacturer approval. A five-year EAC certificate does not determine machinery service life. Pressure or alternating loads may make cycles relevant. Critical parts can have shorter limits than the complete product. Explain how the operator records the relevant measure. A handwritten extension alone does not authorise longer use. At the limit follow assessments required for product and destination.

In practice

Maintain three separate periods: warranty, service life and conformity evidence.

Acceptance, testing and release entries

Signatures confirm specific facts.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Test	Actual method and result.
Reference	Unit, configuration, date and report.
Acceptance	Approved criteria and open issues.
Responsibility	Competent person and demonstrated authority.
Record	Issue, annexes and unchanged original data.

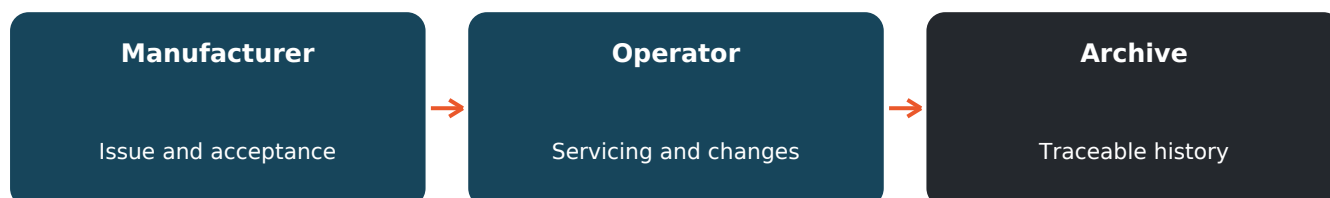
A stamp without test linkage has little meaning. Use actual manufacturing and test records. Design release, factory test and operator acceptance are separate events. A writer cannot sign as the tester. Request missing original acceptance data rather than inventing them retrospectively. For changes record whether supplementary testing was needed. Reports may be referenced where identity and access are secured. Supply release requires closure of unresolved safety issues.

In practice

Do not simulate signatures, report numbers or manufacturer acceptance.

Packaging and preservation

Connect shipment condition and return to service.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Protection	Corrosion, moisture, impact and contamination.
Packaging	Material, position and safe securing.
Preservation	Agent, period and required checks.
Restoration	Removal, cleaning and safe release.
Record	Date, action and responsible person.

Packaging means more than crate type. Describe protection of critical parts and shipment position. Monitor preservation duration during long storage. Agents and removal procedures must not impair safety functions. Instructions may contain detailed methods; the passport records actual implementation and dates. Inspect condition after packaging damage. Record preservation by date and identity. Keep old and new measures traceable so the operator can restore the correct state before use.

In practice

Record the last preservation and its permitted duration clearly.

Transport and storage

Derive limits from design and materials.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Lifting	Mass, centre of gravity and approved lifting points.
Transport	Position, securing and sensitive assemblies.
Environment	Temperature, humidity and protection needs.
Storage	Period, preservation and check dates.
Damage	Review and decision before commissioning.

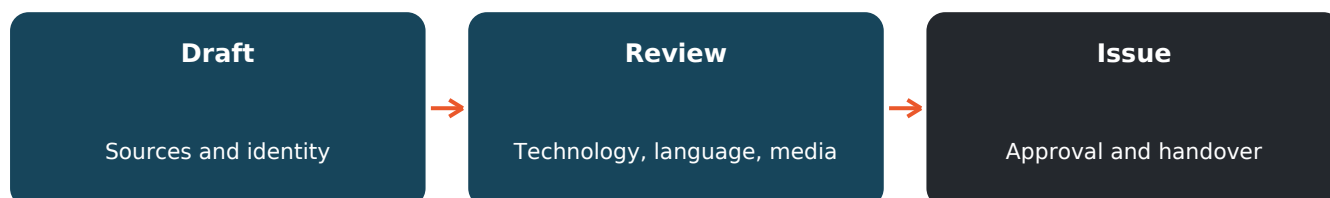
Do not copy arbitrary temperatures from a generic datasheet. Storage and operation limits may differ. Record relevant unit data and reference safe procedures. Derive lifting points from design rather than estimating from photographs. For split supplies state each unit's mass clearly. Record damage or prolonged interruption of preservation. Undamaged packaging does not automatically prove unchanged technical condition. Perform the specified incoming checks before use.

In practice

Check supplied lifting and transport data against drawings and instructions.

Assembly and commissioning

Distinguish manufactured and installed condition.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Prerequisite	Foundation, connections and safe environment.
Assembly	Work under released instructions.
Check	Safeguards, supply, alignment and function.
Record	Location, date, unit and responsible people.
Remaining issue	Open defects and release condition.

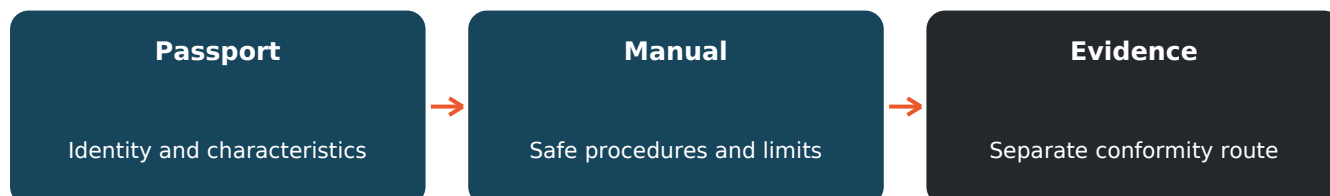
The passport records actual commissioning but does not replace assembly instructions. Confirm site and supply conditions within permitted limits. Initial functional checks may serve different purposes from factory reports. Verify site safeguards before release. Assess interfaces jointly for multi-supplier plants. EAC certification does not automatically prove correct installation. Assign open defects and document closure. Record condition at operator handover and supplied documents.

In practice

Do not confuse commissioning date with manufacture or certificate date.

Operation, training and safety references

The passport supports access to the correct instructions.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Use	Intended use and prohibited conditions.
Limits	Operating parameters and required safeguards.
Manual	Identifier, revision and accessible version.
Personnel	Necessary competence and training.
Recording	Relevant operating states and faults.

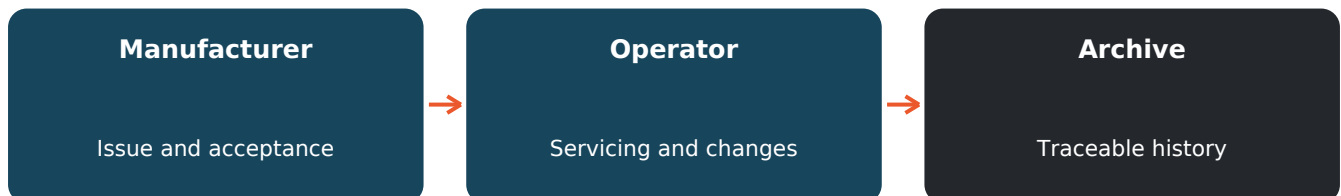
A passport may support training but cannot replace required instruction. Actual procedures belong in the released manual. The passport provides identity, limits and authoritative references. Warnings and residual risks match risk assessment. An extra entry does not authorise use outside specified conditions. Operators arrange access and competent personnel. Record significant faults so manufacturer and service can identify the affected unit and condition.

In practice

Connect training records, instructions and passport.

Servicing and periodic technical checks

Record interval, action and evidence clearly.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Interval	Manufacturer requirement by time or operating measure.
Action	Scope and approved work instruction.
Safety	Stopping, energy release and safeguards.
Evidence	Date, condition, parts and responsible person.
Boundary	Separate operator checks from certificate inspection.

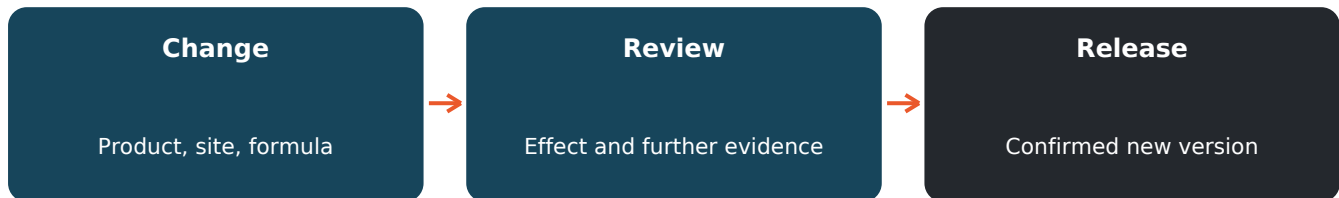
Certification-body EAC inspection differs from machine servicing. Record relevant operator work and reference detailed service instructions. Derive intervals from technical requirements. Intensive use or special conditions may call for additional checks. Record critical-part replacement and damage. A signed empty service sheet does not establish completed work. After servicing verify safeguards as specified and confirm condition before return to use.

In practice

Record operating hours and date together where both matter.

Repair and replacement parts

Trace technical condition and approved parts.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Reason	Fault, damage or planned replacement.
Part	Identity, configuration and permitted alternative.
Work	Scope, procedure and competent performer.
Test	Function, safety and required acceptance.
Entry	Date, evidence and condition linkage.

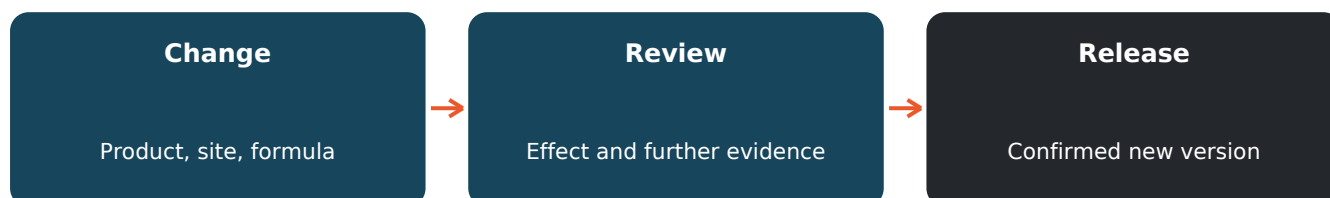
A replacement of equal size is not automatically equivalent. Safeguards, material and conformity scope may be affected. Record actual work and resulting condition. Distinguish repairs from design changes. Retain critical joint and test evidence. After repair assess whether records or conformity assessment need updating. Operators must not fabricate manufacturer acceptance. Preserve readable history so later condition checks can follow equipment development.

In practice

Check critical replacements against manufacturer approval before fitting.

Modernisation and changes

A supplement is not technical approval by itself.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Change	Design, software, performance or use.
Assessment	Effects on safety and conformity.
Records	Drawings, instructions, passport and reports.
Approval	Owner and required external assessment.
History	Old state, new state and applicability date.

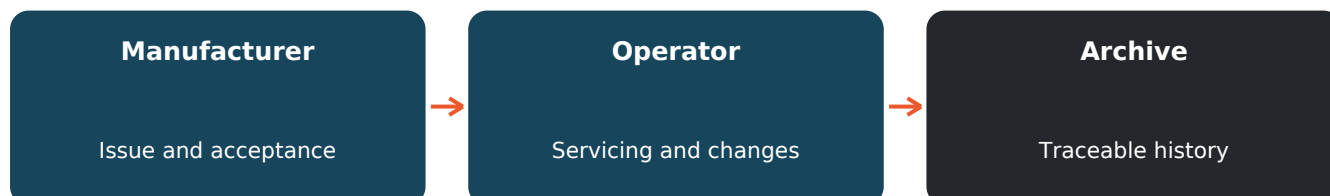
Modernisation may produce a state differing from the assessed product. Review requirements before implementation and recommissioning. Changes to safety controls or pressure limits are not merely editorial. Record the approved change and evidence references. Preserve original manufacture identity rather than rewriting it retrospectively. Complete any required new conformity assessment separately. Manufacturer, integrator and operator agree responsibility and updated operating records.

In practice

Approve the change matrix before technical modification.

Decommissioning, disposal and recycling

Address residual energy and hazardous substances.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Shutdown	Safe condition and energy sources.
Substances	Oils, gases, batteries and relevant materials.
Dismantling	Safe sequence and competent personnel.
Disposal	Product and location-specific requirements.
Evidence	Date, condition, handover and archive.

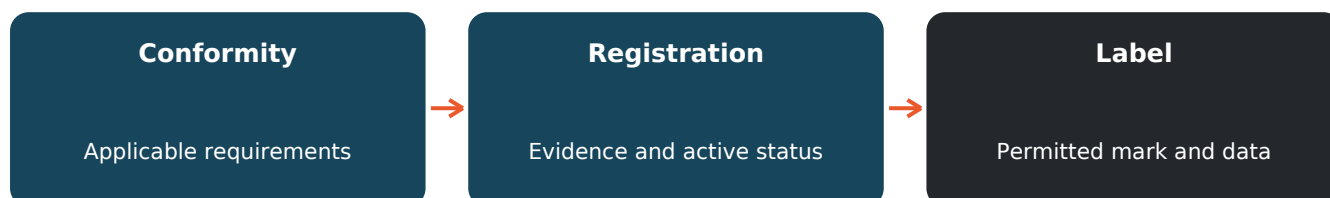
The passport may record lifecycle closure and reference safe procedures. A blanket recyclable claim is insufficient for hazardous components. Address stored pressure, electrical charge and remaining media. Disposal rules depend on actual location and substance. Reused parts need separate condition and eligibility assessment. An old passport must not imply approval for unknown modifications. Archive necessary historical evidence before equipment or marking becomes inaccessible.

In practice

Retain data and final identity before dismantling.

EAC references and marking

Passport data and conformity scope must agree.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Evidence	Certificate or declaration with correct number.
Scope	Models, site, regulation and supply form.
Status	Validity and registry checks for supply release.
Mark	EAC only after completing the eligible procedure.
Boundary	Passport replaces neither evidence nor registration.

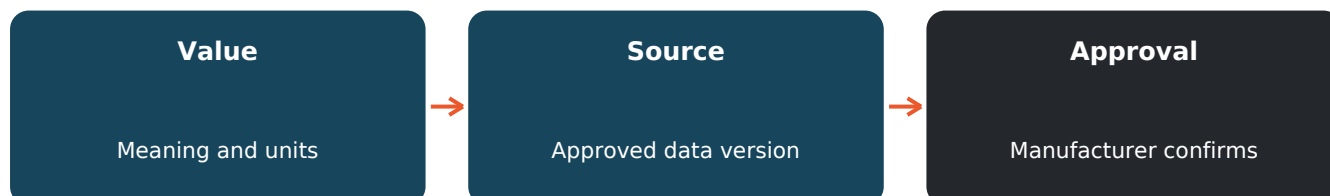
Take EAC numbers only from released original data. Do not enter draft certificates as final evidence. Refer to scope covering actual configuration without claiming additional models. Goods assessed through declaration may also require EAC marking under the permitted procedure. A mark on the passport cannot legitimise marking unassessed goods. Check registry status and identity before supply. Review coverage after later changes. Keep conformity period separate from service life.

In practice

Never carry sample numbers from templates into supplied passports.

Languages and technical translation

Review passport and instructions under their respective clauses.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Documents	Foreign technical records: review paragraph 16.1.
Passport	Allocate Russian / required state-language edition.
Instructions	Paragraph 28: Russian and state language where nationally required.
Terminology	Pressure types, temperature types, substance and protection.
Approval	Technically reconcile with confirmed source edition.

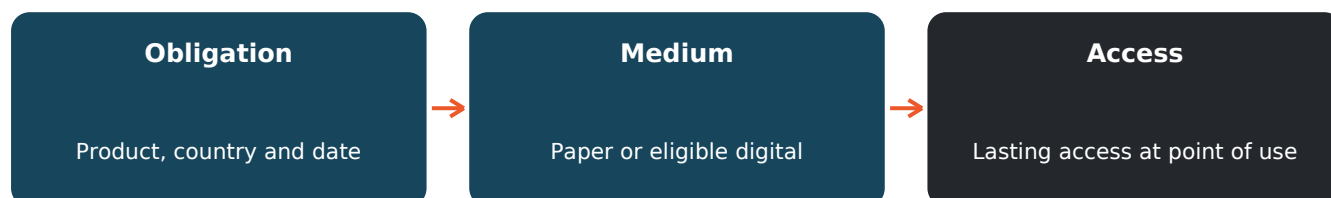
Paragraph 16.1 requires accompanying Russian and/or nationally required state-language translation for foreign technical records. Instructions have their own language rule in paragraph 28. The English customer edition of this handbook therefore does not automatically fulfil an actual equipment language duty. Check decimal notation, units and limit relationships in translations. Preserve names and serial numbers. Match identities and revision linkage across languages. Complete technical review before signature and supply.

In practice

Record destination and document type together in a language matrix.

Paper, digital editions and access

Do not automatically transfer instruction rules to passports.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Duty	Review TR clause, national law and contract.
Instructions	Paragraph 28 contains explicit media provisions.
Passport	Review separate approval, format and operating duties.
Access	Lasting, legible and available at the point of use.
Archive	Distinguish original, approved copy and supplements.

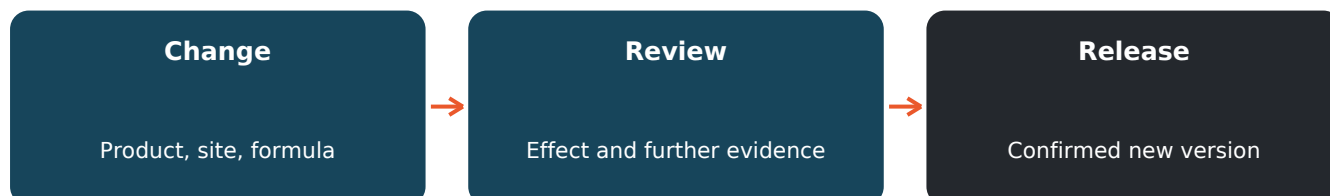
Paragraph 28 generally provides paper instructions with an additional electronic edition; under that clause, manufacturers may choose electronic-only instructions for non-household equipment. This does not create universal PDF-only eligibility for equipment passports. Review actual passport and operator duties separately. A scanned signature does not automatically replace every required original form. Define handover, access, backup and maintenance. Keep links stable and identity in the file itself. Software changes must preserve historical records.

In practice

Justify and approve media decisions for each document type.

Record identity, revision and change log

Preserve visible history and release revisions deliberately.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Identity	Unique document number and product scope.
Revision	Version with date and rationale.
Approval	Technical reviewer and responsible manufacturer.
Distribution	Affected operators, supplies and languages.
Archive	Old version, supplement and current scope.

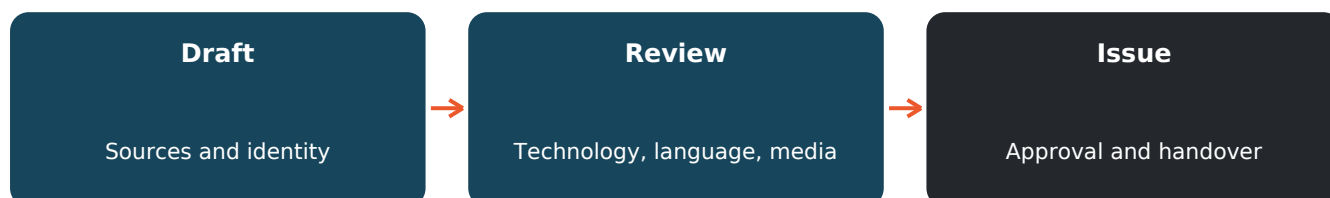
Distinguish editorial correction from technical product change. A typo may require a record revision without design change. Changed limits require technical assessment. Keep both processes separately traceable. Do not overwrite historical unit passports with a general new template. Supplements identify affected pages and units. Mark superseded versions against accidental use while retaining them in the archive. Operators receive the valid original-and-supplement combination for their actual unit.

In practice

Make rationale, affected units and approval date required internal matrix fields.

Supply and record handover

The operator receives the matching complete set.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Goods	Actual model and serial identity.
Set	Passport, manual, annexes and required evidence.
Language	Approved destination-appropriate versions.
Medium	Paper and / or eligible electronic access.
Confirmation	Date, recipient, completeness and open issues.

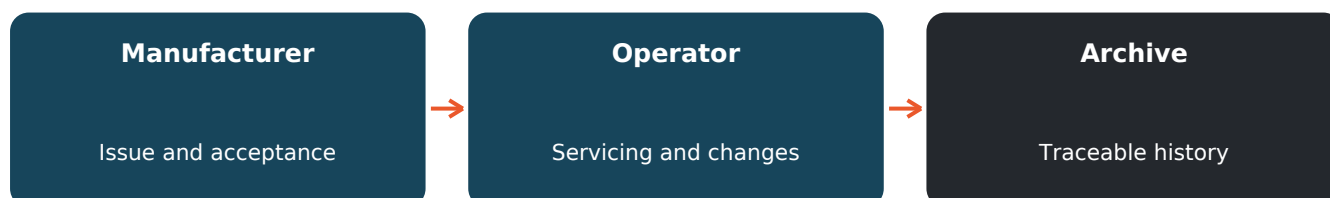
Link the passport clearly to goods and supply required records in time. For multiple packages identify its location. Logistics receives released versions rather than drafts. Test electronic access at handover. Receipt does not automatically establish technical plant acceptance; keep the events distinct. Complete missing safety records before release. Manufacturer archives must match actual handover. For later supplies recheck whether product revision and record set still fit.

In practice

The handover list includes filenames or document identifiers and revisions.

Operator retention and continuing entries

Retain product-linked history across its lifecycle.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Availability	Passport and manual accessible at actual use.
Entries	Servicing, repairs, inspections and changes.
Responsibility	Authorised people and traceable data.
Transfer	Handover on site or ownership change.
Loss	Retained copy and controlled reconstruction.

Retain records securely and accessibly; literal storage on the machine is not suitable for every environment. Actual rules and access govern. Make timely unit-specific operator entries. On sale or relocation hand over the set with its history. Reconstruction after loss must not create unsupported manufacture or test data. Identify duplicates and the source of copied information. Assess condition additionally where needed before relying again on historical records.

In practice

Maintain archive copy and operational original under the same product identity.

Template: vessel passport structure

Adaptable project structure; add equipment-specific mandatory fields.

Section	Content
01 Identity	Name, type, serial, date, manufacturer, issue revision.
02 Supply	Supplier, importer, seller where required.
03 Construction	Description, design, composition and parts list.
04 Parameters	Technical properties, pressure, temperature, substance.
05 Strength	Calculation basis, drawings, life and cycles.
06 Manufacture	Materials, welding, treatment and test reports.
07 Equipment	Safety devices, valves, instruments and accessory passports.
08 Acceptance	Confirmed tests, results and manufacturer approval.
09 Use	Technical requirements, limits and warnings.
10 Logistics	Transport, storage, installation and commissioning.
11 History	Operation, service, repair and changes.
12 Closure	Decommissioning, disposal and schedule index.

This structure allocates all general sector-page topics. It does not replace complete paragraph 21 field review. Importer and seller are additional role fields where needed; instructions remain a separate record. Add or replace equipment-specific sections for boilers, piping, cylinders and valves.

Template: parameter and source matrix

Trace every safety-related entry to its source.

Parameter / entry	Value + units	Source / revision
Working pressure / chamber	_____	_____
Design pressure / chamber	_____	_____
Test pressure / method	_____	_____
Fluid / wall temperatures	_____	_____
Substance / group	_____	_____
Volume / DN / mass	_____	_____
Life / resource / cycles	_____	_____
Materials / joints	_____	_____
Safety devices / settings	_____	_____
Drawing / calculation / instructions	_____	_____

Use the template to review data before drafting and translation. Add the actual record reference and approval owner for each value. Inapplicable and unknown are different states. For multiple variants use separate tables or an unambiguous model column.

Approval rule

Do not issue an unresolved limit as a confirmed manufacturer value.

Template: acceptance and handover data

Record events without simulating test results.

Field	Entry
Product / model / serial	_____
Manufacturer / site	_____
Acceptance type / actual condition	_____
Method / test instruction / revision	_____
Report number / date / result	_____
Open issues / closure evidence	_____
Approval owner / date	_____
Preservation / packaging / date	_____
Record list / languages / media	_____
Handover location / recipient / date	_____

Factory acceptance, installation testing and record handover are separate events. Use distinct data sets for different events. Obtain signatures after actual review or testing. File receipt does not automatically confirm technical acceptance of goods.

Adaptation

Add further legally required particulars for specialist products.

Template: service, repair and change history

Link lifecycle events to the actual unit.

Date / operating measure	Action / condition	Evidence / approval
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Product identifier: _____
Model / serial: _____
Site / operator: _____

Complete each entry with work, parts, finding, test result and responsible person. For technical changes reference approval and updated records. Do not overwrite history; correct errors traceably.

Boundary

This internal template replaces neither a mandatory specialist form nor evidence of actual servicing.

Case study: specialist passport for a pressure vessel

Connect design, manufacture and serial identity.



Pressure equipment · image: AC Inorms



Assessment area	Project implementation
Scope	Equipment type and actual TR 032 classification.
Parameters	Medium, design limits and temperature linkage.
Manufacture	Materials and relevant joining processes.
Testing	Acceptance, strength and relevant safety equipment.
Support	Records, operator duties and change control.

The writer receives approved design and manufacturing records. Prepare equipment-specific content under applicable requirements; a simple machinery passport is not automatically sufficient. Connect material and test evidence to serial identity. Limits match assessed configuration. Service life and resource are manufacturer data, not translator estimates. Review passport together with instructions and required EAC evidence. For later medium or pressure-limit changes assess technical eligibility before supplementing records.

In practice

A datasheet cannot replace supported manufacturing and acceptance records.

Case: multi-chamber heat exchanger

Keep pressure chambers and associated evidence distinct.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Identity	One unit with identified chambers and connections.
Limits	Pressure, temperature, substance and group per chamber.
Load cases	Differential pressure, operation, tests and startup/shutdown.
Testing	Methods and reports appropriate to each chamber.
Protection	Allocate valves and safety devices by protective function.

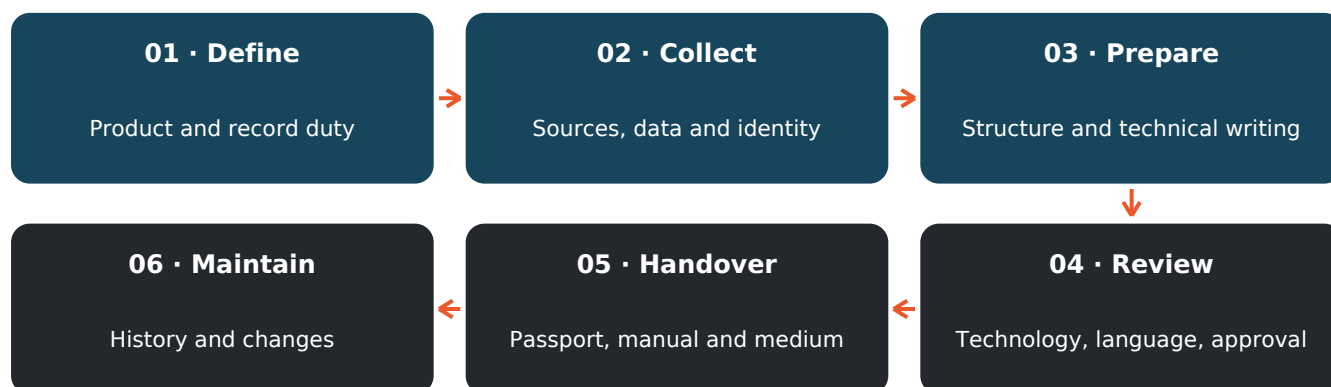
A heat exchanger has two chambers with different substances and operating limits. The manufacturer prepares chamber-specific parameter tables linked to drawings and calculations. A shared nameplate must preserve allocation. A test of one chamber is not recorded as a test of both. Common separating walls and differential pressures require confirmed design bases. Evaluate connection or safety-valve changes against the affected chamber. This educational case intentionally provides no design values or approval of actual equipment.

In practice

An additional pressure-chamber column prevents ambiguous limit allocation.

Case: piping completed on site

Connect prefabrication, final installation and manufacturer approval.



Assessment area	Project implementation
Supply	Record prefabricated sections and components.
Installation	Actual joints, routing and accountable party.
Change	Technically assess deviations from approved plans.
Evidence	Connect installation, examination and as-built records.
Issue	Approve final system passport from confirmed inputs.

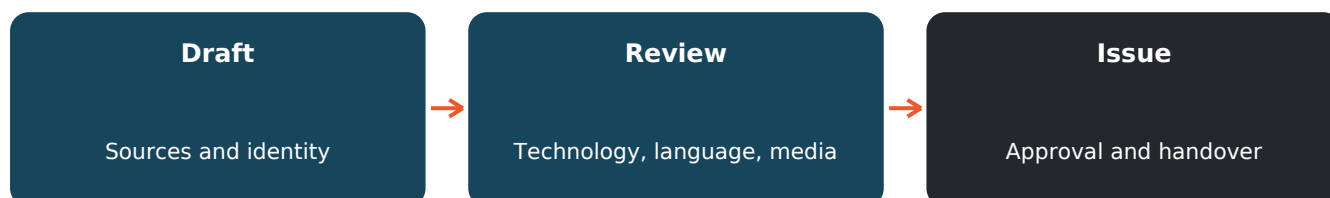
A manufacturer supplies piping sections and final joints are made on site. Define responsibility for the completed system beforehand. Do not approve preliminary dimensions as final as-built evidence. Installation records, actual examinations and approved changes feed the final revision. Add operator identity. Component passports remain attachments rather than descriptions of the completed system. Handover includes passport, instructions and aligned evidence. This case illustrates a working method rather than universal legal manufacturer allocation.

In practice

Explicitly distinguish preliminary and final editions.

Common errors and corrections

Resolve inconsistencies before manufacturer approval.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Wrong type	Vessel form used for boiler: change applicable clause.
Pressure mix	Working and test pressure confused: reconcile sources.
Evidence gap	Test confirmed without report: correct evidence or entry.
Accessories	Unknown valve: add identity and its own passport.
Legal status	116/2014 labelled current: review national rules.

Maintain findings with unit, record location, technical implication, owner and closure evidence. Do not merely correct translation if source inputs are wrong. Technically resolve contradictions between drawings, nameplate, passport and testing. Do not replace missing mandatory values with plausible guesses. Accountable specialists determine how to recover original data or undertake fresh examination. Approve only after closing unresolved safety-related findings.

In practice

After corrections check affected language editions and schedules.

FAQ: effort, validity and special cases

Answers for project planning.

How long does preparation take?

The sector page describes project-specific scheduling and possible completion within a few weeks. Manufacture-data completeness, equipment count, translation, examinations and approval govern timing. This is not a guaranteed standard deadline.

What does a passport cost?

A reliable quotation requires product list, passport type, input revision and deliverables. Identify rework, fresh examinations and extra languages separately. There is no universal official flat price.

Does a passport expire after five years?

The validity of EAC evidence is not automatically passport validity. The passport accompanies the unit; technical life, resource and actual operating conditions require separate attention.

Can a missing passport be replaced?

First investigate original records and manufacturer contact. A duplicate requires reliable inputs and identifiable origin. National operating procedures may impose additional duties. A newly designed PDF does not confirm lost tests.

Prepare an enquiry

Provide equipment types, quantities, serials, destination, sources, languages and deadline.

Worksheet: passport data intake

Printable template for manufacturer, procurement and sales.

Item	Your entry
Manufacturer / accountable owner	_____
Equipment / model / tag	_____
Serial / manufacture date	_____
Destination / operator / boundary	_____
TR / passport clause / standard edition	_____
Substance / group / chamber	_____
Working / design / test pressures	_____
Temperatures / V / DN / mass	_____
Life / resource / cycles	_____
Materials / manufacture / reports	_____
Schedules / languages / medium	_____
Approval / open issues / deadline	_____

Please attach

Datasheet, product photo, model list, drawings, instructions, label draft and existing reports.
Add composition and further technical records where relevant to classification.

Prepared by: _____ Date: _____

Open questions: _____

Worksheet: passport release matrix

Complete for each unit and each version to be released.

Review item	Result / evidence / owner
Unit and nameplate reconciled	_____
Correct passport type / duty fields	_____
Clear pressure / temperature types	_____
Confirmed substance and group	_____
Supported life / resource	_____
Traceable materials and parts	_____
Supported manufacture / examinations	_____
Allocated safety devices / schedules	_____
Consistent manual / calculations	_____
Languages and media reviewed	_____
Manufacturer signature / date	_____
Handover and operating history	_____

Release criterion

All necessary evidence is available and matches the actual goods. Close open points before release or resolve them through a justified, permitted decision.

Sources and legal foundations

Linked foundations for product-specific decisions.

[1] AC Inorms: pressure vessel passport / EAC certification

[Open source](#)

[2] AC Inorms: regulations archive

[Open source](#)

[3] Officially provided TR CU 032/2013

[Open source](#)

[4] Eurasian Economic Commission: TR 032

[Open source](#)

[5] EAEU: standards lists, Decision 96/2019

[Open source](#)

[6] Rosstandart: GOST 34347-2017 status

[Open source](#)

[7] Rosstandart: official standards search

[Open source](#)

[8] Russia: official publication of Order 536/2020

[Open source](#)

[9] Order 536/2020: original text reproduced by Garant

[Open source](#)

As of 14 October 2026. Official texts remain authoritative. Official publication URL [8] was unavailable during research; the original text was reviewed through [9]. Separately check amendments and later validity periods.

Further sources and image credits

Linked foundations for product-specific decisions.

[10] EAEU: TR 032 amendment 49/2021

[Open source](#)

[11] EAEU: TR 032 amendment 137/2023

[Open source](#)

[12] Rosstandart: GOST 34347 correction (2022)

[Open source](#)

[13] Rosstandart: GOST 34347 correction (2023)

[Open source](#)

[14] Rosstandart: GOST R 2.601-2026

[Open source](#)

[15] Rosstandart: GOST R 2.610-2026

[Open source](#)

[16] EAEU: EAC mark, Decision 711/2011

[Open source](#)

[17] EAEU: import, Decision 130/2021

[Open source](#)

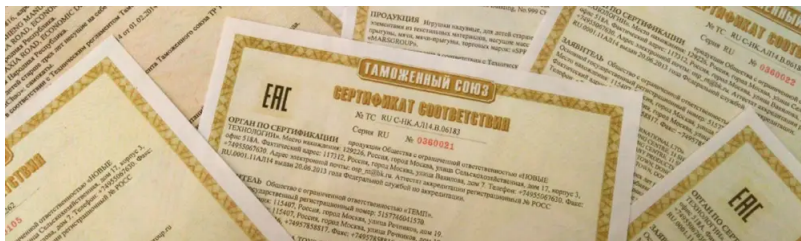
[18] EAEU: certificates and declarations registry

[Open source](#)

Cover drawing, pressure-equipment illustration and document image: AC Inorms, ac-inorms.com.
Tables, diagrams, templates and worksheets are original working aids rather than official forms.
Full standards texts are not reproduced.

Your pressure equipment passport with AC Inorms

Convert confirmed product inputs into traceable records.



Document illustration · not an official passport form · AC Inorms

AC Inorms supports product-specific obligation review, structure, technical drafting and translation of pressure-equipment records. Manufacturer approval rests on actual design, production and examination inputs. Start your enquiry with equipment list, destination, available documents and target delivery date. These determine passport types, input gaps, languages and necessary evidence.

AC Inorms GmbH

Nobelstraße 3/5 · 41189 Mönchengladbach · Germany

Telephone: **+49 2161 9904970**

Email: **info@ac-inorms.com**

Web: **ac-inorms.com**

For your initial enquiry

Send the worksheet on page 46 with datasheet, model list, photo, application and existing reports. These inputs support concrete agreement on scope, work and schedule.