

PRACTICAL GUIDE · 2026 EDITION

Fire Safety EAC Certification and Declaration

A comprehensive handbook for manufacturers,
exporters and product managers



**TR EAEU 043/2017 · PRODUCTS · TESTING
TESTING · DOCUMENTATION · CHECKLISTS**

How to use this handbook

From product classification to controlled shipment.

This guide serves manufacturers, exporters, importers, designers and quality managers. It covers EAC conformity of fire safety and firefighting equipment under TR EAEU 043/2017 and its boundary with national Russian fire safety requirements. The common economic area comprises Armenia, Belarus, Kazakhstan, Kyrgyzstan and Russia. Product conformity, integration into an installation and building approval are different tasks.

Structure and application

Foundations appear on pages 4-10. Pages 11-25 organise all 104 entries in the TR 043 product catalogue into practical groups. National requirements for construction materials and cables follow on pages 26-27. Pages 28-42 address procedures, records, testing, manufacturing, marking and market support. Costs, a worked case and FAQs appear on pages 43-45. Worksheets, sources and contact details conclude the guide. Both language editions have the same structure.

Edition 1.0 · As of 11 October 2026

The sector page and regulations archive were checked against official EAEU and Russian sources. Scope, validity, eligibility and marking statements have been refined. Actual product details and the legal versions applicable to that product remain the basis for project release.

Contents

Linked chapters and official sources support navigation.

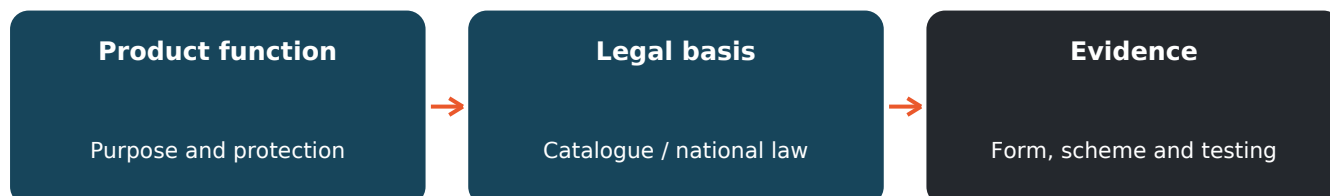
Chapter	Pages
Foundations and conformity routes	4-10
TR 043 catalogue: all 104 entries	11-25
National construction-material and cable rules	26-27
Project, dossier and testing	28-34
Manufacturing, surveillance and validity	35-38
Marking, registry and shipment	39-42
Costs, worked case and FAQs	43-45
Project worksheets	46-47
Sources and contact	48-50

Suggested starting point

Start with product function, installation location, model list and destination. Then determine legal basis, catalogue entry, conformity form and scheme. Only then commission sampling, laboratory work and manufacturing assessment.

Quick start: seven project decisions

The actual protective function determines the first step.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
01 · Identity	Define models, site, version and supply scope.
02 · Purpose	Record fire safety function, location and performance claims.
03 · Legal route	TR 043, another TR or national Russian assessment.
04 · Entry	Map the product to the annex and customs list.
05 · Scheme	Certificate or declaration; series, batch or single unit.
06 · Evidence	Plan dossier, samples, laboratory and manufacturing evidence.
07 · Release	Match registry, product version, marking and shipment.

A trade description such as “fire safety product” or “fireproof” does not replace classification. A fire door, floor covering and non-combustible machine frame may have very different conformity routes. Record intended use and the performance advertised. An HS code alone establishes neither protective function nor conformity form. Written classification with legal reference and justified interfaces prevents unnecessary samples and unsuitable quotations. For installations, reconcile individual components with overall function.

In practice

Use the project matrix on page 47 before the first laboratory enquiry.

Technical update of the source page

Historical and blanket statements need refinement.

Assessment area	Project implementation
Resolution 241	Repealed from 1 January 2021; not a current EAC legal basis.
Scope	TR 043 covers its catalogue, not all materials and machines.
Eligibility	Check accreditation, technical scope and EAEU registry inclusion.
Series certificate	TR 043 paragraph 101: five years.
Series declaration	TR 043 paragraph 115: no more than five years.
Marking	Common EAC mark; no separate EAC fire safety mark.

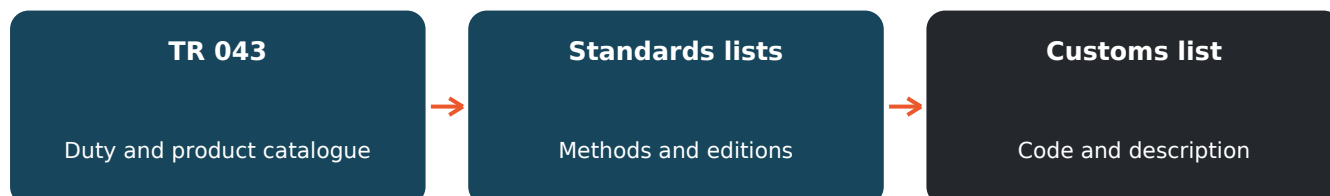
The website also identifies documents, sample tests, an audit where relevant and an indicative duration of around 20 working days. These project elements are explained in detail here; that duration is not a universal statutory deadline. The suggestion that a certificate guarantees fire resistance and low toxic emissions for every product group is too broad: the assessed characteristics follow the product and applicable requirements. An extinguishing agent, alarm sounder and door have different protective performances. An eligible certification body issues the certificate; it is not a blanket government export permit.

In practice

Every quotation states legal basis, actual entry and actual service.

Legal foundations and source hierarchy

Read EAEU product law separately from national law.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
TR EAEU 043/2017	Council Decision 40 of 23 June 2017; product rules since 1 January 2020.
Decision 200/2019	Conformity standards and test-method standards.
Decision 88/2025	Standards-list amendment effective from 8 April 2026.
Decision 170/2019	Customs product list; account for amendment 190/2021.
Russia: 123-FZ	National fire safety law; current text and actual articles.

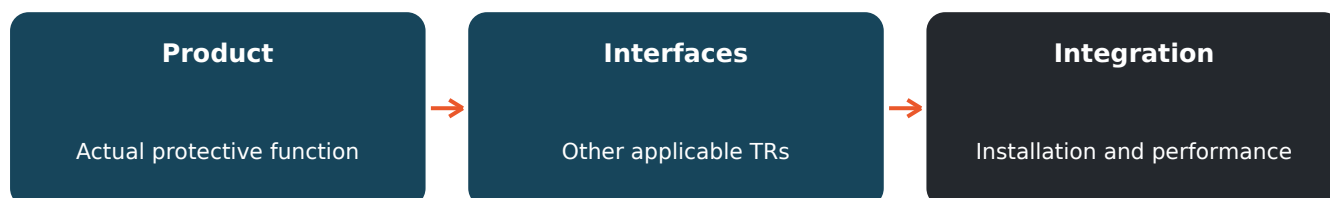
A requirement standard, test standard, product list and procedure rule serve different purposes. Applying a conformity standard is generally one way to meet TR 043 requirements; the regulation itself remains mandatory. Select test methods using the relevant lists and their time-dependent application rules. The German archive text is a useful working version; use official originals for borderline decisions. The commencement date of the adoption decision on the EAEU portal must not be confused with the later start of product obligations.

In practice

Record reference, edition and time-dependent applicability of each standard in the test plan.

Scope and system boundaries

Protective function must match the catalogue entry.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Covered products	Equipment for fire prevention, suppression, rescue and protection.
Annex	19 groups with 104 named entries.
Component	Actual function, model and assessed configuration.
Complete system	Components, interfaces, system performance and installation limits.
Other regulations	Apply additionally only where their own scope is met.

TR 043 paragraph 5 also requires compliance with other regulations that are in force and apply to the product. This does not mean every fire safety device must additionally undergo every machinery, electrical, Ex and pressure route. Assess each scope and exclusion individually. An industrial installation is not a TR 043 product merely because it incorporates fire safety measures. Conversely, catalogue-listed detectors or suppression modules remain relevant within their intended product function when installed. Clearly describe the supply unit and assessed object; a component certificate replaces neither system integration nor building acceptance.

In practice

State supply boundaries and integration responsibility in the technical description.

Certificate or declaration?

The annex specifies the permissible conformity form.

Annex: certificate

1c / 3c / 4c

Annex: declaration

3d / 4d / 6d

Permitted replacement

Declaration to certificate

Product-specific assessment · schematic explanation

Assessment area	Project implementation
Certification	Product entries marked 1c, 3c, 4c.
Declaration	Product entries marked 3d, 4d, 6d.
Permitted replacement	Paragraph 109 permits replacing declaration with certification.
Impermissible replacement	Do not replace mandatory certification with declaration.
CE / EN evidence	Assess technical usability; no automatic EAC recognition.

The original letters are Cyrillic c and д. For readability this guide uses 1c/3d etc.; quotations must also state the legal basis. The same scheme number may mean something different under national law. Applicant and certification body distinguish series manufacture, a specifically delimited batch and an individually identified unit. A declaration is the legally accountable statement of an eligible applicant, not an untested manufacturer note. Its testing and manufacturing evidence must actually exist. Voluntary certification cannot replace mandatory conformity assessment.

In practice

Derive the conformity form from the catalogue entry before choosing a suitable scheme.

The six TR 043 schemes

Connect scheme, supply model and evidence scope.

Series

1c · 3d · 6d

Batch

3c · 4d

Single unit

4c · 4d

Product-specific assessment · schematic explanation

Assessment area	Project implementation
1c · Series	Sample testing, manufacturing analysis and surveillance.
3c · Batch	Representative testing of the identified batch.
4c · Single unit	Testing of the individually identified product.
3d · Series	Testing and documented manufacturing control.
4d · Batch / single unit	Testing of the delimited supply scope.
6d · Series	Testing, certified production management and manufacturing control.

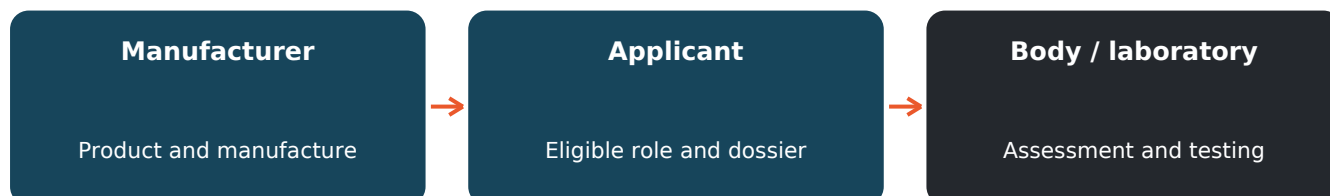
Implementation follows Section VII and the TR 043 annex. A series does not automatically cover every factory or model family of a manufacturer. Manufacturing analysis under 1c forms part of the required procedure. Under 6d, the management system must be certified for production of the relevant fire safety products; a generic ISO certificate alone is insufficient. For a batch or single unit, contract, shipment records, quantity and identification data must delimit the evidenced scope. Further shipments outside that batch are not automatically covered. Determine test scope and sample quantity technically; they cannot be reduced arbitrarily by choosing the cheapest scheme.

In practice

The quotation separates scheme, testing, manufacturing assessment and subsequent controls.

Manufacturer, applicant, body and laboratory

Check eligibility both technically and legally.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Manufacturer	Product identity, stable manufacture, changes and technical records.
Applicant	EAEU legal entity / entrepreneur with an eligible scheme role.
Representation	Manufacturer agreement addressing conformity and responsibility.
Certification body	Accredited, suitable scope, required EAEU registry inclusion.
Laboratory	Accreditation, product matrix and actual methods match the assignment.

For 1c and 3d/6d, the manufacturer or its authorised representative acts as applicant. For 3c/4c and 4d, the seller may also qualify under the respective provisions. A foreign manufacturer without the required establishment cannot simply assume the intended local applicant role. A consultancy agreement does not replace the manufacturer authorisation. “Accredited by the emergency ministry” does not adequately describe current EAEU eligibility: status, registry inclusion and technical scope matter. National Russian routes have their own eligibility and applicant rules; do not transfer the EAEU role matrix without review.

In practice

Verify actors before ordering samples and document responsibilities.

Extinguishing agents: powder, foam and gas

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
1	General-purpose extinguishing powder	1c / 3c / 4c
2	Firefighting foam concentrates	1c / 3c / 4c
3	Foam for water-soluble flammable liquids, top application	1c / 3c / 4c
4	Wetting agents	3d / 4d / 6d
5	Gaseous extinguishing agents	3d / 4d / 6d

Chemical composition, use concentration and suitability for claimed fire types form part of product identity. Distinguish powder from gas and wetting agent: these catalogue entries lead to different conformity forms. For foam, assess extinguishing performance and claimed use conditions under the applicable method. For powder, the technical programme may address flow, moisture sensitivity and extinguishing effect. A raw-material change or new mixing proportion can affect evidenced performance. A trade brand must not result in technically different formulas being grouped into one family without control.

In practice

Approve formula, concentration, use limits and safety data sheet together.

Fire protective coatings and treatments

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
6	Fire protection for wood and wood-based materials	1c / 3c / 4c
7	Fire protection for steel and/or reinforced-concrete structures	1c / 3c / 4c
8	Fire protection for cables	1c / 3c / 4c

A coating is assessed in relation to its tested construction. Substrate, primer, topcoat, dry-film thickness, consumption, drying and ambient conditions determine achievable protective performance. TR 043 paragraphs 19-22 require corresponding technical information. For steel, retain the structural boundary conditions used in the evidence. For wood, the application method must match demonstrated effectiveness; paragraph 22 requires ageing tests to support a claimed service life exceeding one year. A thinner layer or different primer may invalidate the original performance claim. The installer therefore receives the same mandatory application limits as the assessment programme.

In practice

Specify, document and implement the complete tested coating construction.

Non-metallic electrical installation profiles

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
9	Non-metallic electrical installation profiles: conduits, trunking and similar profiles	1c / 3c / 4c

Catalogue entry 9 covers non-metallic installation profiles for laying cables and wires. It is not a general cable-certification category. Record material, wall thickness, cross-section, joint and installation method in the model matrix. Assess fire behaviour under the applicable method; a favourable result for a material alone does not automatically describe every installed combination. Do not classify metal cable supports under this entry without a valid scope basis. Assess additional electrical or building requirements for the actual product. Document permitted support spacing and application limits where they affect performance.

In practice

Treat cable, support/trunking and penetration seal as different assessment objects.

Fire extinguishers and autonomous devices

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
10	Portable extinguishers	1c / 3c / 4c
11	Wheeled extinguishers	1c / 3c / 4c
12	Autonomous fire-extinguishing devices	1c / 3c / 4c

Portable and wheeled extinguishers differ in intended handling and construction. Record agent, fill quantity, pressure arrangement, temperature range, activation and claimed extinguishing performance. Similar dimensions do not make an autonomous device a portable extinguisher; function and legal definition determine the entry. The test programme assesses the actual configuration including fittings and release mechanisms. Claims concerning fire classes, electrical installations and application safety must be supported by relevant evidence. Review pressure and other TR interfaces, including exclusions, before assuming an additional obligation.

In practice

Control fill, vessel, fitting and performance label as one configuration.

Fire cabinets and firefighting water fittings

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
13	Fire cabinets	3d / 4d / 6d
14	Fire hose-reel/hydrant assemblies and shut-off valves	3d / 4d / 6d

Entries 13 and 14 provide for declaration. A pressure hose or nozzle contained in a cabinet may simultaneously have its own certificate entry. Assess the assembled equipment through a bill of materials and evidence for included products. Connections, tightness, flow, pressure range and operability are important technical considerations for fittings. Review material and seal changes against the original data. A visually similar industrial fitting is not automatically a fitting designated for firefighting. Marking and instructions must clearly identify actual intended use.

In practice

Connect cabinet declaration and component evidence in one shipment file.

Mobile firefighting equipment and pumps

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
15	Principal firefighting vehicles	3d / 4d / 6d
16	Command vehicles	3d / 4d / 6d
17	Aerial rescue platforms	3d / 4d / 6d
18	Turntable ladder vehicles	3d / 4d / 6d
19	Emergency rescue vehicles	3d / 4d / 6d
20	Foam lift vehicles	3d / 4d / 6d
21	Communication and lighting vehicles	3d / 4d / 6d
22	Breathing-service vehicles	3d / 4d / 6d
23	Mobile robotic complexes	3d / 4d / 6d
24	Fire motor pumps	3d / 4d / 6d
25	Centrifugal pumps for mobile firefighting equipment	3d / 4d / 6d

Here the catalogue addresses the firefighting function. Chassis or road-vehicle approval is different from fire safety conformity. For wheeled products assess the interface with TR CU 018/2011; apply the appropriate frameworks to other vehicle types. For pumps, describe performance and operating conditions for firefighting use. Mobile robotics also requires a clear boundary between vehicle, remote control and equipment. The model matrix states body construction, drive, performance, equipment and manufacturing version. Review chassis or control changes before supply.

In practice

Evidence vehicle approval and firefighting function separately before joint release.

Fire detection and alarm equipment

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
26	Automatic and manual fire detectors	1c / 3c / 4c
27	Uninterruptible power supplies for fire automation	1c / 3c / 4c
28	Fire alarm sounders / indicators	1c / 3c / 4c
29	Fire alarm/control panels and extensions	1c / 3c / 4c
30	Remote indication devices	1c / 3c / 4c
31	Alarm-loop test and monitoring devices	1c / 3c / 4c
32	Fire alarm transmission systems	1c / 3c / 4c
33	Personal fire alarm devices	1c / 3c / 4c
34	Remote initiation devices	1c / 3c / 4c

Assess detectors and alarm panels with their intended interfaces. Record power supply, communication, detection principle, firmware and compatible components. A panel certificate does not automatically cover every connected device or radio combination. The function matrix describes initiation, alarm, fault, power failure and recovery. Physical detection performance and system behaviour are different assessment areas. Do not group variants with different sensors or software merely because their housings look similar. Review additional radio and import requirements where applicable.

In practice

Version hardware, firmware and approved component list together.

Water and foam systems: components

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
35	Control assemblies for automatic water/foam systems	1c / 3c / 4c
36	Sprinkler/deluge alarm valves	3d / 4d / 6d
37	Drain valves	3d / 4d / 6d
38	Check valves	1c / 3c / 4c
39	Gate and butterfly valves	1c / 3c / 4c
40	Cocks / taps	3d / 4d / 6d
41	Exhausters	3d / 4d / 6d
42	Accelerators	3d / 4d / 6d
43	Hydraulic accelerators	3d / 4d / 6d
44	Pressure and flow switches	1c / 3c / 4c
45	Expansion joints	3d / 4d / 6d
46	Retard chambers	3d / 4d / 6d
47	Filters	3d / 4d / 6d
48	Hydraulic audible alarms	3d / 4d / 6d

Within the same suppression installation the annex explicitly distinguishes certificate and declaration entries. Identify fittings by actual function. Include nominal connection size, permissible pressure, medium conditions and control function in the bill of materials. The installation description links assessed components to hydraulic and functional design. Component evidence does not automatically confirm the extinguishing performance of an arbitrarily assembled system. Assess additional pressure-equipment rules for the actual product, including applicable exclusions.

In practice

Maintain the complete bill of materials with entry and conformity form per component.

Suppression modules, sprinklers and robotics

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
49	Water/foam sprinklers and deluge nozzles	1c / 3c / 4c
50	Foam proportioners	1c / 3c / 4c
51	Automatic water-mist modules	1c / 3c / 4c
52	Automatic gas suppression modules	1c / 3c / 4c
53	Automatic gas/powder modules	1c / 3c / 4c
54	Automatic powder modules	1c / 3c / 4c
55	Distribution devices for automatic gas systems	1c / 3c / 4c
56	Isothermal agent tanks for automatic gas systems	3d / 4d / 6d
57	Fire extinguishing aerosol generators	1c / 3c / 4c
58	Robotic suppression installations	1c / 3c / 4c

The assessed object includes vessels, activation elements, nozzles and control functions incorporated in the product. For gas, powder and aerosol systems define room/application limits and safety-related operating instructions. Certification of a module is not blanket approval for every room volume or pipe length. Separate product performance from project-specific design and occupant protection. Manufacturer statements concerning delay, warning and release must match assessed function. Review any change to agent, nozzle or control against the evidence.

In practice

Keep product limits, design and commissioning in separate linked records.

Firefighter breathing protection and test equipment

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
59	Isolating breathing apparatus using compressed air or oxygen	1c / 3c / 4c
60	Filtering firefighter respiratory and eye protection	1c / 3c / 4c
61	Isolating self-rescuers	1c / 3c / 4c
62	Facepieces for firefighter breathing protection	1c / 3c / 4c
63	Cylinders for breathing apparatus and self-rescuers	1c / 3c / 4c
64	Test equipment for isolating firefighter breathing apparatus	1c / 3c / 4c
65	Compressor equipment for filling breathing cylinders	1c / 3c / 4c

Assess products expressly intended for firefighting and fire applications under entries 59-65. Review boundaries with general PPE and other TRs through purpose and exclusions. Assessed object, permissible components and operating conditions must match. Protection, breathing supply and user information are safety-critical for breathing apparatus. For cylinders and filling equipment, also document construction, pressure data, connections and maintenance limits. Facepiece evidence does not replace assessment of an arbitrary mask/regulator/cylinder combination. Keep interchangeable parts in an approved compatibility list.

In practice

Keep approved combinations and maintenance requirements traceable to the user.

Firefighter clothing, hand, foot and head protection

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
66	General-purpose firefighter protective clothing	1c / 3c / 4c
67	Clothing for elevated thermal exposure	1c / 3c / 4c
68	Isolating firefighter protective clothing	1c / 3c / 4c
69	Heat-resistant firefighter underwear	1c / 3c / 4c
70	Firefighter protective hoods	1c / 3c / 4c
71	Firefighter hand protection	1c / 3c / 4c
72	Firefighter foot protection	1c / 3c / 4c
73	Firefighter helmets	1c / 3c / 4c

Material layers, seams, closures, reinforcements and size range form part of the assessed configuration. A single fabric sample does not describe the performance of complete protective clothing. Review claimed thermal/mechanical protection and intended use conditions. Do not automatically classify firefighter clothing as ordinary workwear or industrial PPE. Cleaning and care instructions can affect protection and must match the assessment programme. For variants, control outer fabric, membrane, lining and construction; a new colour or material configuration may require technical review.

In practice

Approve the bill of materials and care instructions with the actual garment.

Height rescue and firefighter ladders

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
74	Portable firefighter ladders	1c / 3c / 4c
75	Fire rescue ropes	3d / 4d / 6d
76	Fire rescue belts	3d / 4d / 6d
77	Firefighter carabiners	3d / 4d / 6d
78	Fire rescue ramps	1c / 3c / 4c
79	Fire rescue jumping devices	1c / 3c / 4c
80	Rescue chutes	3d / 4d / 6d
81	Rope descent rescue devices	1c / 3c / 4c
82	Suspended rescue ladders	3d / 4d / 6d

This catalogue group contains different conformity forms. An ordinary sports rope or industrial ladder is not a firefighter rescue product merely because it looks similar. State purpose, load, height, users and connection conditions clearly. Assess actual materials and joints including end fittings. Instructions describe permitted loading, pre-use checks, maintenance, storage and retirement. Changes to stitching, rope construction or carabiner geometry can alter rescue performance. Evidenced scope and supplied size must agree; technical replacement parts remain controlled.

In practice

Explicitly document firefighter rescue use, loading and use limits.

Fire equipment, hoses and nozzles

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
83	Tools for special firefighting operations	3d / 4d / 6d
84	Fire lights, thermal cameras, radio/acoustic beacons	3d / 4d / 6d
85	Fire hose couplings	3d / 4d / 6d
86	Hydrants	3d / 4d / 6d
87	Hydrant standpipes	3d / 4d / 6d
88	Foam mixers	3d / 4d / 6d
89	Hose collecting heads	3d / 4d / 6d
90	Hose branches	3d / 4d / 6d
91	Firefighting hydraulic ejectors	3d / 4d / 6d
92	Suction strainers	3d / 4d / 6d
93	Fire pressure hoses	1c / 3c / 4c
94	Fire pressure-hose maintenance equipment	3d / 4d / 6d
95	Handheld fire nozzles	1c / 3c / 4c
96	Fire monitor nozzles	1c / 3c / 4c
97	Foam generators	1c / 3c / 4c

Pressure hoses and nozzles have certificate entries, while many other equipment items have declaration entries. Nominal sizes, coupling systems, pressure range and media must agree in the bill of materials. Link performance values to the test construction used. Do not assign a collection of similarly named fittings to one certificate entry without functional classification. Also review electrical, radio or Ex functions under their respective scopes. Clearly distinguish spare parts and maintenance equipment from the actual firefighting device.

In practice

Clarify function per item; avoid blanket classification as “fittings”.

Fire closures and penetration seals

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
98	Fire windows, doors, gates, hatches, curtains, shutters, screens; covered lift landing doors	1c / 3c / 4c
99	Fire-barrier penetrations by cables, busbars, entries, joints and building pipework	1c / 3c / 4c
100	Smoke/gas-tight fire doors and smoke-tight doors	1c / 3c / 4c

The construction described in the evidence is the assessed object. Door dimensions, frame, glazing, hardware, closer, seals, anchorage and supporting wall determine the field of application. A hardware change is not always editorial. For penetration seals, wall/floor type, opening, services, occupancy, spacing and seal construction form the system identity. E denotes integrity and I insulation; actual criteria and periods come from the applicable test. Do not present European EI classifications as EAEU results without permissible evidence assessment. Site installation must follow the approved construction; a material certificate does not replace a tested penetration seal.

In practice

Treat tested construction, permissible variants and installation instructions as one technical unit.

Smoke control ventilation equipment

TR 043 catalogue: entry number, product and conformity route.

No.	Product group	Schemes
101	Normally open/closed fire dampers and smoke hatches	1c / 3c / 4c
102	Smoke control screens and curtains	1c / 3c / 4c
103	Smoke exhaust fans	1c / 3c / 4c
104	Smoke control ducts	1c / 3c / 4c

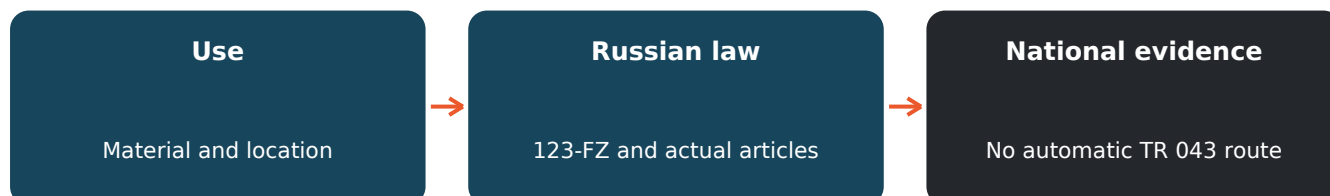
Entries 101-104 concern equipment operating within smoke control ventilation systems. An ordinary industrial fan or ventilation duct does not automatically belong here. Define fire/smoke function, temperature, duration, installation orientation and required tightness. TR 043 paragraph 87 requires actual parameters, including fire resistance and resistance to smoke/gas leakage, to be established through prescribed test methods. The assessed damper, actuator and control function must agree. A fan certificate does not prove adequate smoke extraction for a building; design and commissioning remain necessary.

In practice

Document product performance and building design separately and connect them technically.

Construction materials and floor coverings: Russian law

Reaction to fire does not automatically mean TR 043.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Legal basis	Current 123-FZ; product, use location and actual articles.
Escape routes	Covered construction finishes on escape routes: mandatory certification.
Other materials	Generally national declaration schemes under Article 146(5).
Characteristics	Combustibility, ignitability, smoke, toxicity and flame spread.
KM classes	Derive Russian classification from applicable individual characteristics.

Russian Law 123-FZ distinguishes materials by use. Article 146(7) specifically addresses finishes on evacuation routes directly outdoors or to safe areas, using the specified certification routes. Paragraph 5 provides the specified declaration routes for other construction materials. Paragraph 14 contains a special provision for materials with the highest, most hazardous fire-property values; this is not a general testing exemption for safe materials. Do not equate KM0-KM5 with European Euroclasses. A floor covering needs a defined construction including backing, adhesive and substrate. National evidence belongs to the Russian route and is not an EAEU-wide EAC certificate.

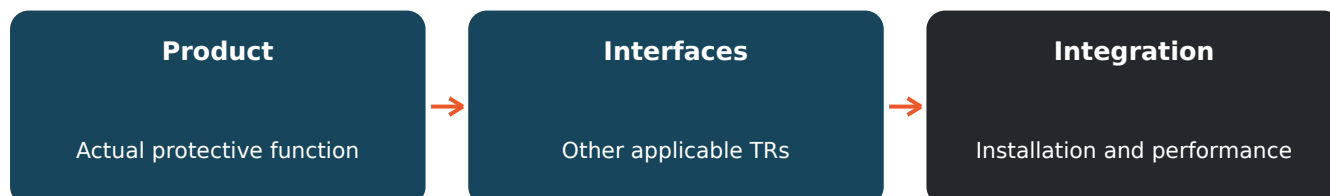
National schemes under Article 146: paragraph 5 provides 2d, 3d or 5d for its construction materials; paragraph 7 provides certificate schemes 2c, 3c, 4c or 6c for its products. Under paragraph 8, 3c is restricted to previously certified products after expiry of the earlier certificate. These Russian schemes differ from similarly numbered TR 043 schemes.

In practice

Before quoting, ask for use location, escape-route function and full construction.

Cables, machinery and other interfaces

A product may require several distinct forms of evidence.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Russian cable rules	123-FZ Article 146(7)(16): specified fire-related cable products.
Machinery	TR 010 by function; no blanket fire safety certificate.
Electrical equipment	TR 004/020/037 only within the applicable scope.
Ex / pressure / PPE	TR 012/032/019: assess purpose, limits and exclusions.
Rail vehicles	Assess national use rules and relevant TRs separately.

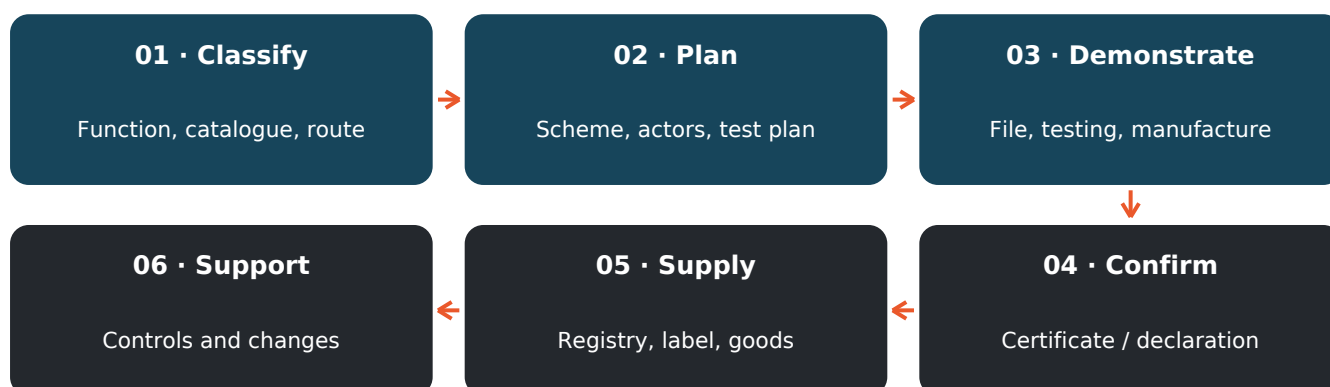
Article 146(7)(16) of Russian fire safety law covers, among other things, cables claiming non-propagation of combustion, fire resistance or reduced smoke/gas release. Distinguish that national evidence from EAC electrical conformity. Likewise, cable, cable coating under entry 8, installation profiles under entry 9 and penetration seals under entry 99 are different products. Do not automatically use an EU classification or CPR record as a Russian national classification. Machinery risk assessment addresses fire and overheating hazards, but machinery classification still follows the relevant machinery rules. Review specific use requirements for railway and metro finishes.

In practice

A conformity matrix records legal basis, product scope and marking for each obligation.

Project workflow and release milestones

Coordinate testing, manufacturing and records deliberately.



Assessment area	Project implementation
Classification	Product data, catalogue entry, destination and additional requirements.
Planning	Scheme, applicant, laboratory, samples and manufacturing assessment.
Evidence	Technical dossier, tests and required manufacturing evidence.
Decision	Assess results; certificate or registered declaration.
Shipment release	Match product, registry status, marking and import file.
Support	Surveillance, changes, complaints and reassessment.

Release the project in stages. First confirm product identity and legal route in writing. Next establish sampling and assessment plans, including destructive tests and reserve samples. Translation and manufacturing review can partly proceed in parallel, but must use the same approved version. A favourable test result does not complete certification. Conformity release follows assessment of all required evidence and formal issue or registration. First shipment is a separate checkpoint: reconcile site, models, annexes and product marking again. Set responsibility for subsequent surveillance in the project agreement.

In practice

At each transition record open issues, responsible person and release date.

The complete technical dossier

The website document list is a starting point.



Assessment area	Project implementation
Identification	Manufacturer, site, models, revision, purpose and performance.
Technical records	Specification, drawings, construction, materials and bill of materials.
Operation	Passport, installation, operation, maintenance and safety information.
Conformity	Requirements, standards, technical solutions and existing evidence.
Procedure	Representation agreement, supply contract and scheme-specific records.
Outcome	Test reports, manufacturing evidence and final conformity document.

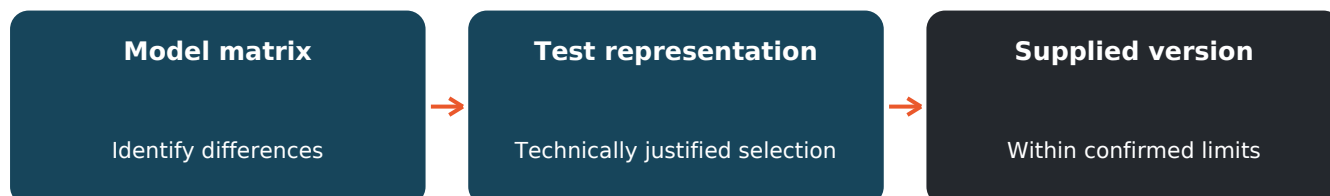
TR 043 paragraphs 98 and 112 specify procedure-related document sets. A data sheet and description alone are insufficient where further evidence is required. Format the technical passport according to the product and documentation system; it does not replace test results. The standards list identifies editions actually used. Where listed conformity standards are absent or not applied, describe technical solutions supported by reasoned risk analysis demonstrating compliance. For batches and single units, contract and shipment records delimit scope. Include component evidence where available. After completion archive the full evidence set with the certificate or declaration.

In practice

Maintain a document list with version, language, owner and approval status.

Models, variants and product identity

A shared trade name is not a technical product family.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Identity	Name, model, site and technical revision.
Variants	Dimensions, performance, material, formula, construction and software.
Representation	Justified selection of representative or adverse configurations.
Coverage	Documented test limits and permissible extensions.
Shipment	Match every actual configuration to confirmed scope.

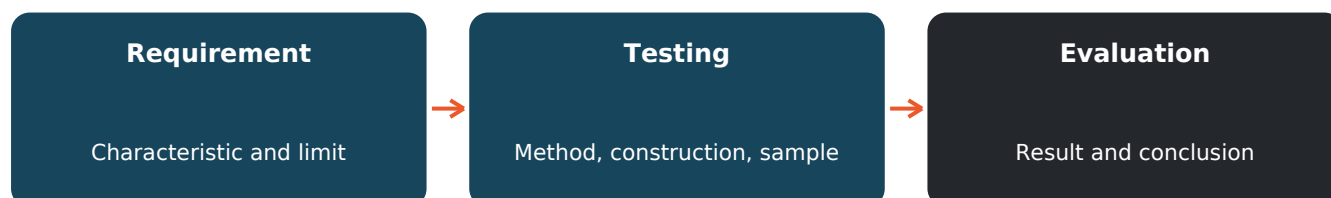
Record models and technical differences in a matrix. Dimensions, glazing and hardware may control door coverage; formula and layer construction may control coatings; sensor and firmware may control detectors. Testing the apparently largest variant does not automatically cover all smaller variants. The competent body and applicable method must justify representativeness. Certificate annexes must not include unassessed manufacturing sites or merely similar products. Map marketing names, OEM brands and model suffixes in a controlled manner. Maintain a reliable version history linking reports and actual manufacture over time.

In practice

The approved model matrix informs the test assignment, conformity evidence and shipment check.

Risks and performance characteristics

Every performance claim needs suitable evidence.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Hazard	Fire development, failure, smoke, heat and misuse.
Protective function	Suppression, warning, compartmentation, smoke control or personal protection.
Requirement	Actual TR paragraph, performance value and permissible limit.
Assessment	Method, construction, sample, unit and acceptance criterion.
Use	Installation, operating limits, maintenance and fault indications.

Fire safety products are not assessed against one universal characteristic. An alarm sounder has different criteria from a hose or smoke-tight door. Derive the assessment matrix from actual function and applicable sections. Each row links requirement, method, result and conclusion. “Fireproof” without duration, conditions or reference object is technically imprecise. Investigate negative findings for cause, product version and possible impact. Document improvements before testing new samples. Customer information must not promise protection beyond what the evidence supports.

In practice

Match performance statements in data sheet, label and instructions to test findings.

Standards lists: April 2026 update

Reconcile updated lists with existing reports deliberately.

Assessment area	Project implementation
Base decision	Decision 200 of 19 November 2019.
Amendment	Decision 88 of 7 October 2025, published 10 October 2025.
Commencement	In force from 8 April 2026.
Two lists	Distinguish conformity standards from test-method standards.
Applicability	Check edition, dates and product-specific mapping.

Decision 88 changes the TR 043 standards lists. It does not automatically change the annex conformity form or universally require reissue of existing certificates. In a new project establish a permissible test standard and edition for each parameter. For existing evidence review legal status, actual method, any transition periods and product changes. Do not copy an old report number into a new dossier without examining its contents. Amendment proposals on the consultation portal are drafts; new duties require an adopted act with commencement and transitions. This guide uses published official foundations rather than treating proposed procedures as current law.

In practice

Check standards status before commissioning tests or reusing reports.

Accreditation and suitable assessment bodies

Scope must cover the actual assignment.

Assessment area	Project implementation
Status	Accreditation active; check restrictions and suspensions.
Registry	Required inclusion in the EAEU directory.
Product	Actual product group within technical scope.
Method	Actual measurement/test method and required facilities.
Report	Sample identity, results, units, construction and conclusion.

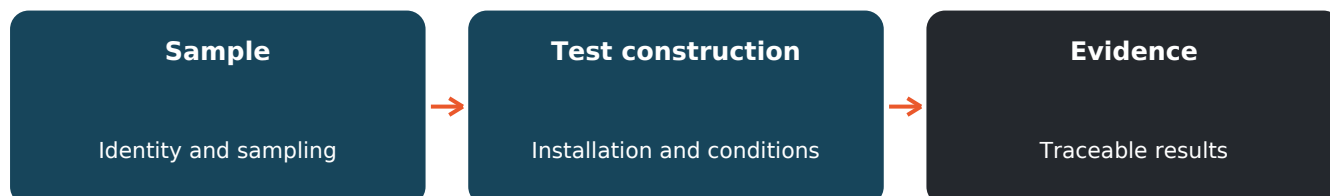
General accreditation for construction materials does not automatically qualify a laboratory for every fire safety product. A certification body likewise works only within its eligible scope. Review current registry entries and technical annexes before appointment. European reports may support technical evaluation, but do not replace prescribed tests without a permissible recognition basis. Keep responsibility and traceability clear for outsourced assessment steps. A bare “passed” statement without product data and measurements is insufficient evidence. Laboratory accreditation differs from the later product-document registry status.

In practice

Archive laboratory/body eligibility with the planned assessment programme.

Samples, sampling and test construction

The sample must traceably represent supplied goods.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Selection	Technically justify models and representative configuration.
Sampling	For certification, selection by the body under paragraph 99.
Identity	Site, lot, revision, photographs and sample identification.
Construction	Installation, substrate, connections, layer thickness and conditioning.
Logistics	Quantity, reserves, transport, customs and any dangerous-goods duties.

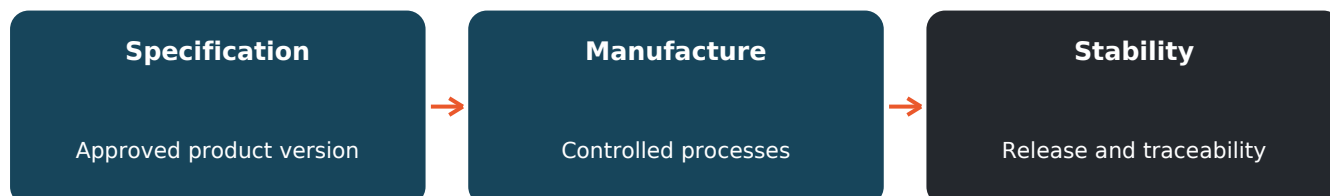
Confirm sample quantity, dimensions, mass and test construction before dispatch. Many fire tests are destructive, so plan repeat and reserve samples early. Link the original product and test construction through sampling records and laboratory file. A trade-fair sample is not automatically a permissible representative sample for a defined series. For coatings record application, dry-film thickness and conditioning; for doors, supporting wall and hardware; for equipment, technical revision and fill. Sample import may require specific customs records. A sampling arrangement does not authorise unassessed commercial distribution.

In practice

Ship samples only after product identity, laboratory address and import route are approved.

Manufacturing analysis and production stability

Scheme 1c includes manufacturing analysis.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Site	Actual location and manufacturing processes.
Inputs	Materials, formulas and safety-related purchased parts.
Process	Controlled parameters, qualified personnel and measuring equipment.
Final checks	Documented release criteria and traceability.
Changes	Approval of site, supplier, process and product revision.

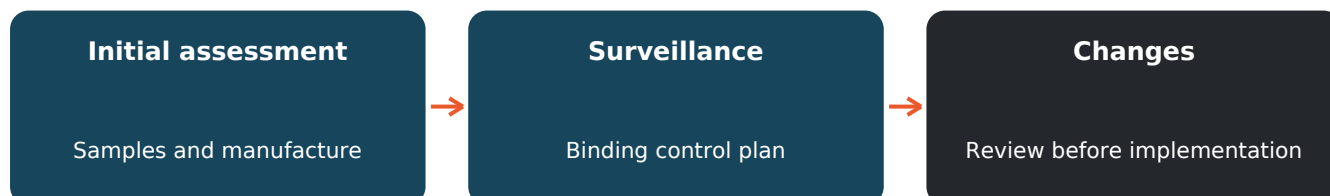
Manufacturing analysis under paragraph 99(e) evaluates whether series manufacture reliably maintains evidenced conformity. It is more than checking for an ISO certificate. Controlled construction/hardware lists matter for doors; formulas and batch checks for coatings; hardware, firmware and final testing for electronics. Agree scope and organisation with the competent body. Assess a site change or subcontracted critical process before implementation. Keep assessment reports, findings and their closure in the technical file. The manufacturer ensures test products and series production use the same approved instructions.

In practice

Explicitly account for manufacturing assessment in quotation and schedule.

Surveillance of certified series production

Five-year validity does not mean five years without support.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Legal basis	TR 043 paragraph 103 for scheme 1c.
Measures	Sample tests and/or manufacturing analysis.
Plan	Competent body sets the actual schedule and scope.
Evidence	Reports, findings, corrective actions and status decision.
Costs	Plan surveillance, sampling logistics and any travel expenses.

Paragraph 103 provides surveillance for certified series but does not itself set a universal annual calendar date. Document binding frequency and modality from applicable procedure rules and the certification body's plan; a blanket annual claim for every scheme would be imprecise. Batch/single-unit evidence has a different scope. Declarations under 3d/6d require the specified production control or system evidence rather than automatically following the same certificate-surveillance programme. National Russian surveillance follows its own rules. When a control is overdue, do not base shipment release solely on the printed expiry date.

In practice

Agree surveillance plan, responsibility and ongoing costs at initial approval.

Declaration: production control and scheme 6d

The declaration requires complete evidence.

Assessment area	Project implementation
3d	Series testing plus documented manufacturer production control.
4d	Identified batch or unit with required test evidence.
6d	Testing, certified production management and manufacturing control.
Records	Dossier under paragraph 112 and applicant responsibility.
Registration	Effect begins on registration under paragraph 114.

A declaration is not a shortcut without technical assessment. It relies on the prescribed applicant evidence and evidence obtained with laboratory involvement. The manufacturer documents processes, checks and results. Under 6d the system evidence must cover actual manufacture of the relevant product group; a generic ISO 9001 document with unsuitable scope does not automatically meet this requirement. Resolve applicant eligibility and manufacturer agreement before registration. Manage the registered statement, reports, manufacturing evidence and marking release as one connected evidence set. The product catalogue still determines whether declaration is permissible for that product.

In practice

Review completeness, versions and actual testing before registering the declaration.

Validity and ten-year record retention

Series, batch and single-unit evidence differ.

Series certificate

Five years

Series declaration

No more than five years

Batch / single unit

No fixed validity period

Product-specific assessment · schematic explanation

Assessment area	Project implementation
Series certificate	Paragraph 101: five years.
Series declaration	Paragraph 115: no more than five years.
Batch / single unit	Paragraphs 101/115: no fixed validity period; scope remains limited.
Series file	Certificate file at least ten years after end; declaration file ten years.
Batch file	At least ten years after sale of the last covered unit.

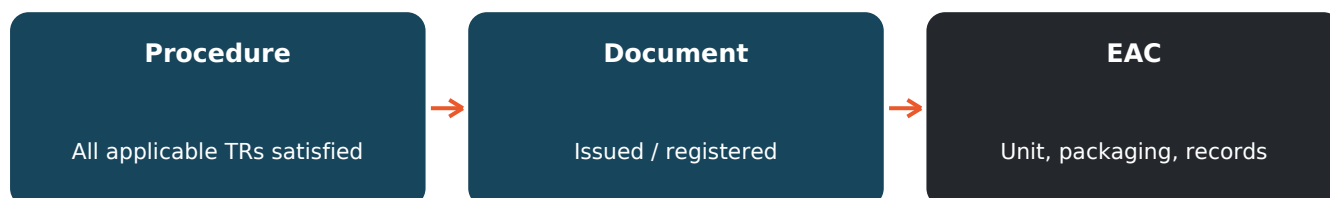
Paragraphs 102 and 116 govern retention. For certification, the applicant and body retain the specified documents; for declaration the applicant maintains the complete file. Archive technical foundations and test reports, not just the certificate. A batch document without expiry is not unlimited series approval. Nor does a five-year certificate guarantee continuing validity despite suspension or technical change. Product service life and maintenance interval differ from document validity. A report's currency is not automatically the certificate expiry; its usability follows the actual legal and procedural context.

In practice

Record conformity scope, active status and retention deadline separately.

EAC mark, labels and languages

TR 043 uses the common EAC market-access mark.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Prerequisite	All applicable TR requirements and procedures completed.
Timing	Before placing on the market under paragraph 118.
Location	Each unit, technical documentation and packaging.
Exception	Where product features prevent marking, paragraph 120: packaging and records.
Design	Common mark under Decision 711; base size at least 5 mm.
Product information	Keep identity, performance limits and required language consistent.

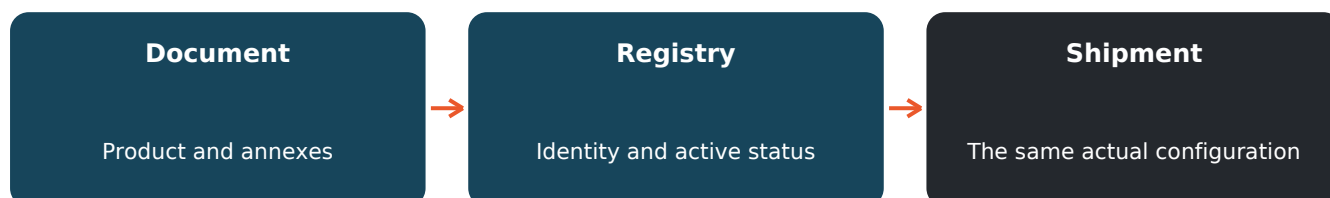
TR 043 has no separate “EAC fire safety mark” replacing the common mark. Paragraph 119 requires clear identification maintained over service life. Derive product-specific mandatory information from the relevant regulation section. Provide technical records in the language required for the procedure. Under paragraph 89, marking uses Russian and additional state languages where national law requires them. A national Russian fire safety document alone does not authorise the common EAC mark. Additional voluntary marks must not distort mandatory information. Check label, model, site and technical performance against final evidence.

In practice

Release marking only after formal conformity completion and identity reconciliation.

Registry and authenticity checks

Document number and current status must match the goods.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Certificate	Number, issuer, scope, manufacturer, site and annexes.
Declaration	Applicant, registration, product and validity.
Status	Active, suspended, terminated or otherwise restricted.
Eligibility	Status and scope of body or laboratory.
Evidence	Archive the reviewed entry and date in the shipment file.

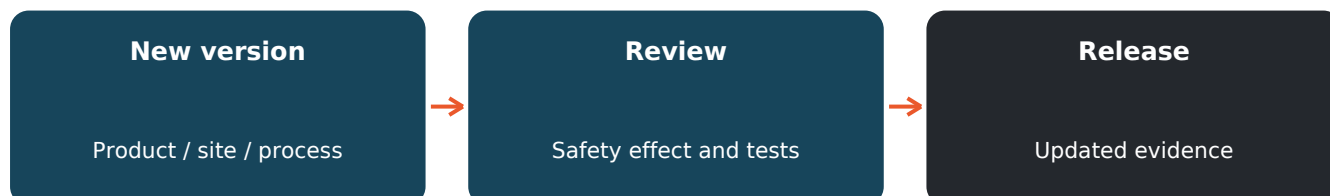
The EEC directory links common product and assessment-body registries or national sections. Rosakkreditazija provides public registers for Russian records. For a missing result, check number, spelling, procedure and registry section; a technical outage proves neither authenticity nor invalidity. Ask the issuing body to resolve borderline cases. A similar name is insufficient: manufacturer and actual model must match. Product evidence and body accreditation are different entries. Check national Russian and EAEU documents under their actual legal routes. A logo or PDF scan without registry reconciliation is insufficient for shipment release.

In practice

Repeat registry checks before significant shipments and after changes.

Changes, complaints and market support

Maintain the evidenced product version.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Change	Construction, formula, production, site or software.
Notification	Applicant informs the certification body under paragraph 104.
Assessment	Body decides on further testing and/or manufacturing analysis.
Feedback	Record defects, complaints, incidents and affected lots.
Action	Shipment hold, correction, reassessment and status clarification as appropriate.

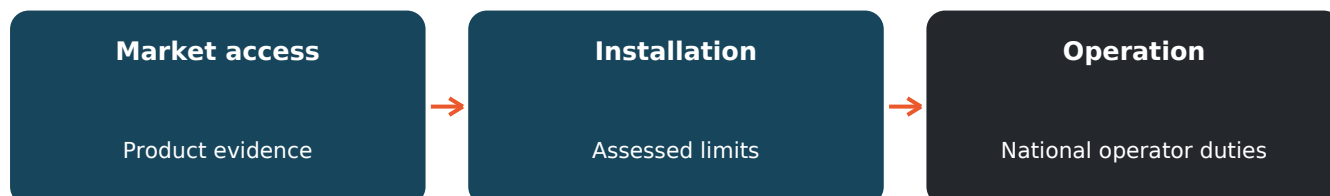
A formula change in a coating or a new door lock may be more than editorial. Assess impact on protection before changing series production. A manufacturer PDF addendum does not expand the certified construction. Trade-name and company changes may also require formal document maintenance. For nonconformity, identify affected goods, responsible actors and necessary actions traceably. Do not continue shipments merely because a document has not yet expired. Handle declaration changes under applicant responsibility through the applicable registration procedure. Version history connects original testing, change, evaluation and renewed release.

In practice

Obtain written review of each safety-relevant change before supply.

Import, installation and national operating duties

Product conformity does not replace installation approval.



Product-specific assessment · schematic explanation

Assessment area	Project implementation
Customs	Product description, TN VED code and relevant evidence.
Product list	170/2019 as amended by 190/2021; examine code and description together.
Supply scope	Models, quantity, site and contract match conformity scope.
Installation	Approved installation limits and compatible components.
Operator	Acceptance, maintenance, inspections and local building/operation rules.

The customs list supports import evidence; it replaces neither TR scope nor technical classification. Union-wide product evidence does not eliminate local building, design or operating duties. Document actual on-site construction, especially for suppression systems, smoke control and fire doors. In Russia, a building fire safety declaration differs from a product conformity declaration. Installation and maintenance may impose independent national requirements on the contractor. Supply complete installation/maintenance information, approved system limits and unambiguous marking. Customs clearance does not confirm correct building installation.

In practice

Maintain product release, customs file and installation/operation release as separate checkpoints.

Costs and realistic processing time

Assessment work and supply scope determine the project.

Assessment area	Project implementation
Indicative duration	Website: around 20 working days, depending on the actual project.
Preparation	Classification, dossier, translation and agreements.
Testing	Samples, transport, laboratory, test construction and possible repeats.
Manufacturing	Manufacturing analysis or system evidence according to scheme.
Ongoing costs	Surveillance, changes and later reassessment.

The website duration is an experience-based planning estimate, not a guaranteed universal deadline. Extensive fire-resistance testing, multiple variants or a missing manufacturing dossier can take substantially longer. A defensible schedule states starting conditions: fully approved data, samples at the laboratory and agreed manufacturing evidence. Allow realistic laboratory availability, conditioning and test construction. Separate classification, applicant representation, records, testing, manufacturing, registration and ongoing support in the quotation. The website provides no binding flat price; this guide therefore invents none. Comparable quotations must cover the same products and mandatory work.

In practice

Compare prices after establishing the product matrix and written scope.

Worked case: three products for one building

A shared installation location does not imply one conformity route.

A · Fire door

TR 043 · certificate

B · Floor covering

Russia · 123-FZ

C · Hydrant

TR 043 · declaration

Product-specific assessment · schematic explanation

Assessment area	Project implementation
A · Fire door	TR 043 entry 98: certificate; tested construction and installation limits.
B · Escape-route floor finish	Russia 123-FZ: review specified national certification routes.
C · Hydrant	TR 043 entry 86: declaration; its own assessment and identity data.
Shared	Customer project, building and installation coordination.
Separate	Legal basis, applicant role, testing and product evidence.

Assume a European supplier offers a door, floor covering and hydrant for a Russian building. Classify the door under its TR-annex entry; construction, dimensions and hardware delimit evidence. Classify the floor covering through national requirements and its actual evacuation-route use; the result is not a TR 043 certificate. The hydrant has a declaration entry and its own technical data. A joint shipment matrix has three rows with separate legal bases and evidence. Then reconcile documents, registry status, marking and building-project requirements. One document broadly labelled “fire safety products” would not be a technically defensible solution.

In practice

Coordinate the project jointly while preserving the correct route for each product.

Frequently asked questions and terminology

Brief answers to typical customer situations.

Does every machine need fire safety certification?

No. Classify machinery by function and applicable rules. TR 043 covers its catalogue; incorporated fire safety products may be relevant separately.

Does national Russian evidence cover the whole EAEU?

Not automatically. National Russian and EAEU-wide EAC evidence have different legal bases. Assess destination and actual recognition.

Can I use existing CE records?

As technical background and permissible evidence where applicable. They do not automatically replace required EAEU or national tests.

Batch evidence without expiry: repeated supply allowed?

Only within the specifically evidenced scope. New batches are not automatically included. Product service life and active registry status remain relevant.

Is an audit always required?

No, it depends on scheme. 1c includes manufacturing analysis; 6d includes suitable certified production-management evidence. Batch/single-unit routes differ.

Term	Meaning
EAC	Common market-access mark under applicable EAEU technical regulations.
Fire resistance	Element performance under defined fire-test conditions.
Reaction to fire	Material behaviour during ignition and fire development.
KM	Russian construction-material fire-hazard class.
TN VED	EAEU customs tariff classification.

Project and shipment release checklist

Printable worksheet: status, responsibility and open issues.

Checkpoint	Status / owner
Product function and destination	_____
Models, manufacturer and production site	_____
Legal basis and catalogue entry	_____
Certificate/declaration and scheme	_____
Eligible applicant and manufacturer agreement	_____
Scope of certification body and laboratory	_____
Standards status including amendment 88/2025	_____
Approved technical records	_____
Model matrix and representative samples	_____
Sampling record and sample identity	_____
Test construction, results and performance limits	_____
Manufacturing analysis/control/system evidence	_____
Issued certificate / registered declaration	_____
Complete annexes and active registry status	_____
Label, EAC mark and languages	_____
Import data and actual shipment coverage	_____
Installation limits and operator information	_____
Surveillance plan, changes and retention	_____

Release rule

Complete every applicable checkpoint and justify exclusions. Missing mandatory evidence prevents conformity and shipment release. Record decision, responsible person and date.

Enquiry and product matrix for AC Inorms

Printable worksheet: compare two products or variants.

Characteristic	Product A	Product B
Name / brand / model	_____	_____
Manufacturer / production site	_____	_____
Destination / importer	_____	_____
Use / installation location	_____	_____
Protective function / performance claims	_____	_____
Legal basis / catalogue entry	_____	_____
HS code / TN VED code	_____	_____
Dimensions / performance / material	_____	_____
Formula / construction / software	_____	_____
Series / batch / single unit	_____	_____
Conformity form / scheme	_____	_____
Installation and operating limits	_____	_____
Sample availability / dimensions	_____	_____
Planned shipment quantity / date	_____	_____
Applicant / representation	_____	_____
Open issues	_____	_____

Company / contact: _____

Email / telephone: _____

Attachments: description, model list, drawings or formula, installation/operating instructions, existing reports and label. Provide confidential manufacturer information through the agreed transfer channel.

Contact

inbox@ac-inorms.com · +49 2161 9904970

Classification precedes binding confirmation of scope, price and timing.

Sources and regulations archive

Official foundations, registries and technical working resources.

[1] AC Inorms: EAC fire safety certification

[Open original source](#)

[2] AC Inorms: regulations archive

[Open original source](#)

[3] EEC: TR EAEU 043/2017 and linked acts

[Open original source](#)

[4] EAEU: Council Decision 40/2017 with TR 043 and complete annex

[Open original source](#)

[5] EAEU: Decision 200/2019, standards lists

[Open original source](#)

[6] EAEU: Decision 88/2025, effective from 8 April 2026

[Open original source](#)

[7] EAEU: Decision 170/2019, customs product list

[Open original source](#)

[8] EAEU: Decision 190/2021, customs-list amendment

[Open original source](#)

German working version: [TR EAEU 043/2017 in the regulations archive](#). For interfaces the archive includes TRs 004, 010, 012, 018, 019, 020, 032 and 037. Current original texts and amendments govern actual classification.

Further sources and editorial notes

Official foundations, registries and technical working resources.

[9] EMERCOM: Law 123-FZ, current law text via download

[Open original source](#)

[10] Russia: Resolution 1034/2020, repeal of historical acts

[Open original source](#)

[11] EEC: product and assessment-body registries

[Open original source](#)

[12] EAEU: unified registry of conformity assessment bodies

[Open original source](#)

[13] Rosakkreditazija: public registries

[Open original source](#)

[14] EAEU: Decision 711/2011, common EAC mark

[Open original source](#)

[15] EMERCOM: building fire safety declaration

[Open original source](#)

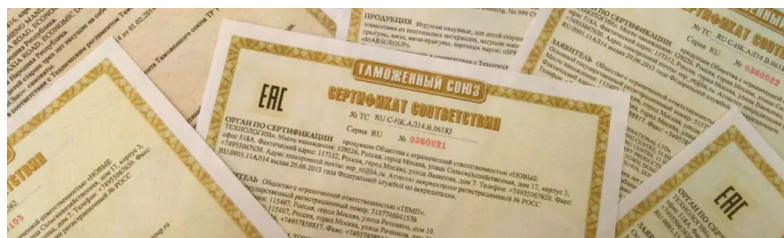
[16] EAEU: TR 043 amendment consultation, not an effective amendment act

[Open original source](#)

Editorial date: 11 October 2026. At retrieval, source [9] provides the law text dated 4 August 2026. Historical website statements on Resolution 241 and generic validity were not adopted as current rules. Image credits: firefighting couplings on the cover and EAC-document image from ac-inorms.com. Tables, diagrams and worksheets are original explanations, not official forms. The complete catalogue entries 1-104 are presented; check product-specific technical requirements in the original.

Your fire safety project with AC Inorms

From classification to documented market release.



Product documentation and market access · Image source: AC Inorms

AC Inorms supports manufacturers and exporters with classification, selection of conformity routes and coordination of fire safety evidence. Begin with a defensible product scope: models, site, application and performance. This determines records, assessment programme, applicant role and manufacturing review. Connect relevant EAC and national obligations through one conformity matrix. Further support addresses surveillance planning, changes and identity checks before shipment.

AC Inorms GmbH

Nobelstraße 3/5 · 41189 Mönchengladbach · Germany

Telephone: **+49 2161 9904970**

Email: inbox@ac-inorms.com

Web: ac-inorms.com

For your initial enquiry

Use the matrix on page 47. Send description, models, HS codes, application, technical records and existing reports. Classification precedes binding confirmation of price, timing and assessment work.