

CNBOP-PIB STANDARDS

FIRE PROTECTION

EDITION
1

National Technical Assessments

CNBOP-PIB-0036E:2017



CENTRUM NAUKOWO-BADAWCZE
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1. INTRODUCTION

Due to the broad scope of its activities the Scientific and Research Center for Fire Protection - National Research Institute (CNBOP-PIB) issues a number of documents. Some of them were presented in CNBOP-PIB-0016: 2015 standard "Documents issued by the CNBOP-PIB Certification Department and CNBOP-PIB Services Certification Department".

This standard focuses on the information concerning national technical assessments, which replaced technical approvals as of 1 January 2017. The rules and procedures for granting technical approvals for construction products issued by CNBOP-PIB until the end of 2016 were described in the article *The Importance of Technical Approval for Fire Safety of Buildings*¹.

National technical assessment (NTA) should be understood as a documented, positive assessment of performance of the crucial characteristics of a construction product, which in accordance with its intended use have impact on meeting the essential requirements, which are mentioned in art. 5 sec. 1 pt 1 of the Act of July 7, 1994 – Construction Law (Journal of Laws of 2013, item 1409, as amended), by the buildings in which the products will be installed and used².

The intention of this publication is to familiarise CNBOP-PIB clients with the process of obtaining the national technical assessment.

2. LEGAL BASIS FOR ISSUING NATIONAL TECHNICAL ASSESSMENTS

National technical assessments are issued on the basis of:

- the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/EEG – the regulation relates to products for which harmonized standards exist, but because the number of harmonized standards is steadily increasing and thus decreasing the number of products for which there are no such standards – it applies indirectly to the area of national technical assessments;
- Act of 16 April 2004 on construction products (Journal of Laws 2004, No. 92, item 881, as amended) – a document which regulates the marketing of construction products in Poland by specifying the rules of their marketing and evaluation in the Polish market as well as the ways and rules for conducting market supervision;
- Act of 25 June 2015 amending the Act on Construction Products, the Construction Law Act and the Act on the Amendment of the Construction Products Act and the Law on the conformity assessment system (Journal of Laws of 2015, No. 0, item 1165) – amendment to the Law, which

¹ Mroczko G., *Znaczenie Aprobat Technicznych dla bezpieczeństwa pożarowego obiektów budowlanych*, BiTP Vol. 24 Issue 4, 2011, pp. 87–93.

² Article 2 of the Act of 16 April 2004 on construction products (Journal of Laws 2004, No. 92, item 881, as amended).

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adapted the national assessment framework to the European rules for the assessment and verification of constancy of performance regulated by Regulation 305/2011;

- Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on how to declare the performance of construction products and instructions on marking them with B construction mark (Journal of Laws of 2016, item 1966) – Implementing Rule of art. 8 of the Construction Products Act detailing the rules for the assessment of construction products in national rating systems and their marking with B construction mark;
- Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on National Technical Assessments (OJ 2016, item 1968) - Implementing Rule of Art. 9 of the Act on Construction Products, detailing the rules governing the issuance of national technical assessments;
- Decision of the Minister of Infrastructure and Construction No 1/JOT/WB/16 of 22 June 2016 – Decision designating CNBOP-PIB as a technical assessment body authorized to issue technical assessments in respect of product groups 10 and 31³.

3. TERMS AND DEFINITIONS

The following terms and definitions refer to the NTAs that are issued according to the laws listed in chapter 2.

construction product – any product or set of products manufactured and placed on the market for permanent incorporation in buildings or their parts, which performance affects the performance characteristics of buildings in relation to the essential requirements for those buildings⁴.

kit – a construction product placed on the market by one manufacturer as a set of at least two separate components which must be combined so that they can be incorporated into the buildings⁵.

essential characteristics – those features of a construction product that relate to the essential requirements for buildings⁶.

performance characteristics of the construction product - performance related to the relevant essential characteristics expressed as a level or a class, or in a descriptive manner⁷.

national technical assessment (NTA) - documented, positive assessment of performance of the crucial characteristics of a construction product, which in accordance with its intended use have impact on meeting the essential requirements, which are mentioned in art. 5 sec. 1 pt 1 of the Act of July 7, 1994 – The Construction Law (Journal of Laws of 2013, item 1409, as amended), by the buildings in which the products will be installed and used⁸.

³ Group code according to Table 1 of Annex IV to Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011.

⁴ Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011.

⁵ Ibidem.

⁶ Ibidem.

⁷ Ibidem.

⁸ Article 2 of the Act of 16 April 2004 on construction products (Journal of Laws 2004, No. 92, item 881, as amended).

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intended use – the intended use specified in the applicable harmonized technical specification or the intended use of the construction product as defined in the Polish product standard or national technical assessment⁹.

manufacturer – a natural or legal person who manufactures a construction product or who has commissioned the design or production of a construction product and markets the product under their own name or trademark¹⁰.

dealer – a natural or legal person in the supply chain, other than the manufacturer or importer who makes the construction product available on the market¹¹.

importer – a natural or legal person established in the European Union who introduces a construction product from a third country to the EU market¹².

authorized representative – a natural or legal person established in the European Union, who has received a written mandate from the manufacturer to carry out specific tasks on their behalf¹³.

4. NATIONAL TECHNICAL ASSESSMENT ISSUANCE PROCEDURE

4.1. GENERAL REQUIREMENTS

National Technical Assessments (NTAs) may be granted for construction products¹⁴:

- not covered by the scope of the Polish standards;
- if, in relation to at least one essential characteristics of the product, the assessment method provided for in the Polish standard is not appropriate;
- if the Polish standard relevant to this product does not provide a method of evaluation with respect to at least one essential characteristics of the product.

Important remarks

National technical assessment is issued for a clearly identified product of a particular manufacturer.

National technical assessment is not a marketing authorization, it constitutes only a technical specification in the process of assessing the performance of a construction product and issuing, on the basis of this assessment, a national certificate of constancy of performance or a national declaration of performance – documents authorizing the placing of a product on the market and its use in the construction industry.

⁹ Ibidem.

¹⁰ Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011.

¹¹ Article 2 of the Act of 16 April 2004 on construction products (Journal of Laws 2004, No. 92, item 881, as amended).

¹² Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011.

¹³ Ibidem.

¹⁴ Article 2 of the Act of 16 April 2004 on construction products (Journal of Laws 2004, No. 92, item 881, as amended).

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National technical assessments is issued for a period of 5 years. This period can be extended for consecutive periods but no longer than 5 years each. National technical assessment is valid from the date of issue.

4.2. APPLICATION FORM

The first step in the procedure of issuing national technical assessments is the submission by the applicant of a written application for a national technical assessment together with the required annexes. The application form is available on the CNBOP-PIB website (www.cnbop.pl), the tab of National Technical Assessment. Upon submission of the application, CNBOP-PIB Technical Assessment Body registers the application. The applicant is informed in writing about the registration of the application and the number assigned to it. The application consists of parts A&B and the statement.

In Part A, information on the product, applicant, manufacturer and the production plant/s is given. In Part B numbers should be given accordingly to the required attachment. In the statement, the applicant confirms the truthfulness of the submitted documentation, the knowledge of the regulations concerning national technical assessments and declares that the product in question is not covered by a Polish standard, does not have an issued european technical assessment and that the application for the product assessment has not been submitted to another technical assessment body.

The national technical assessment application form together with a description is presented below.

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Centrum Naukowo – Badawcze Ochrony Przeciwpożarowej im. Józefa Tułiażkowskiego - Państwowy Instytut Badawczy ul. Nadwiślańska 213, 05-420 Józefów Kłotwocka
ZAKŁAD OCEN TECHNICZNYCH TECHNICAL ASSESSMENT DEPARTMENT
WNIOSEK O WYDANIE KRAJOWEJ OCENY TECHNICZNEJ APPLICATION FOR GRANTING OF NATIONAL TECHNICAL ASSESSMENT

Część A / Part A

1 Przymiający wniosek Person accepting the application	2 Data złożenia wniosku Application submitting date	3 Numer ewidencyjny wniosku Application registration number	4 Data rejestracji wniosku Application registration date
6a Wniosek o: Application for:	<input type="checkbox"/> UDZIELENIE KRAJOWEJ OCENY TECHNICZNEJ / GRANTING OF NATIONAL TECHNICAL ASSESSMENT <input type="checkbox"/> PRZEDŁUŻENIE KRAJOWEJ OCENY TECHNICZNEJ Nr PROLONGING OF NATIONAL TECHNICAL ASSESSMENT No <input type="checkbox"/> WPROWADZENIE ZMIAN W KRAJOWEJ OCENIE TECHNICZNEJ Nr IMPLEMENTING OF CHANGES IN NATIONAL TECHNICAL ASSESSMENT No		
WYRÓB PRODUCT	6 Grupa wyrobów budowlanych: ¹ Group of construction products		
	7 Nazwa techniczna, nazwa handlowa, oznaczenie wyrobu i jego odmiany asortymentowe: Technical name, trade name, marking and its varieties		
	8 Opis techniczny wyrobu budowlanego oraz zastosowanych materiałów i komponentów: Technical description of the construction and materials used and components		
	9 Zamierzone zastosowanie wyrobu budowlanego: Intended use of the construction product		
	10 Właściwości użytkowe wyrobu budowlanego ² : The performance of the construction product		
WNIOSKODAWCA APPLICANT	11 Nazwa urzędowa: Official name:		
	12 Adres, telefon, fax, e-mail: Address, telephone, fax:		
	13 Region:		

¹ Wg załącznika nr 1 do rozporządzenia Ministra Infrastruktury i Budownictwa z dnia 17 listopada 2016 r. w sprawie sposobu deklarowania właściwości użytkowych wyrobów budowlanych oraz sposobu znakowania ich znakiem budowlanym (Dz. U. poz. 1966) / according to annex 1 of the regulation of Ministry of Infrastructure and Construction of 17th November 2016 on how to declare performance of building products and label them with a building mark (J. of L. 2016 item 1966)

² Właściwości użytkowe odnoszące się do zasadniczych charakterystyk mających wpływ na spełnienie podstawowych wymagań, wyrażone w poziomach lub klasach lub w sposób opisowy / performance related to the essential characteristics affecting the fulfilment of basic requirements, expressed by level or class, or in a description

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PRODUCENT MANUFACTURER	14 Nr. KRS:
	15 Nr. NIP: Tax Ident. No.:
	16 Konto bankowe: Bank account:
	17 Upoważniony przedstawiciel Wnioskodawcy (imię, nazwisko, stanowisko, tel., fax, e-mail): Person authorized by Applicant (name, surname, position, tel., fax, e-mail): Imię (Name) Nazwisko (Surname) Stanowisko (Position) Telefon (Phone no.) Fax e-mail:
ZAKŁAD PRODUKCYJNY MANUFACTURING SITE	18 Nazwa urzędowa: Official name:
	19 Adres, telefon, fax, e-mail: Address, telephone, fax, e-mail:
ZAKŁAD PRODUKCYJNY (2) MANUFACTURING SITE (2)	20 Nazwa urzędowa: Official name:
	21 Adres, telefon, fax, e-mail: Address, telephone, fax, e-mail:
ZAKŁAD PRODUKCYJNY (3) MANUFACTURING SITE (3)	22 Nazwa urzędowa: Official name:
	23 Adres, telefon, fax, e-mail: Address, telephone, fax, e-mail:
ZAKŁAD PRODUKCYJNY (3) MANUFACTURING SITE (3)	24 Nazwa urzędowa: Official name:
	25 Adres, telefon, fax, e-mail: Address, telephone, fax, e-mail:

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Pozycja Position	Wyszczególnienie Specification	Załącznik nr* ENCLOSURE No.*	Uwagi Remarks
1	Upoważnienie Producenta dla Wnioskującego do ubiegania się o Krajową Ocenę Techniczną ** Manufacturer's authorization for the Applicant to apply for CNBOP-PIB National Technical Assessment **		
2	Specyfikacja techniczna (norma, wytyczne) stosowana przez producenta, określająca poziom wymagań i badań wyrobu Technical specification (standard, guidelines) used by manufacturer, determining product's requirements and testing level		
3	Wzorce/egzemplarze okazowe wyrobu (liczbę, rodzaj i wielkości wzorców należy wcześniej uzgodnić z Zakładem Ocen Technicznych) Masters/product's samples (quantity, type and size of masters/samples must be agreed in advance with Technical Assessment Department)		
4	Opis techniczny wyrobu oraz zastosowanych materiałów i podzespołów Technical description of product as well as material and components used		
5	Dane dotyczące właściwości użytkowych i własności technicznych wyrobu oraz jego wpływu na środowisko Data on product functional and technical characteristics and its influence on the environment		
6	Informacje dotyczące systemu zakładowej kontroli produkcji Information concerning Factory Production Control System		
7	Warunki techniczne zastosowania wyrobu Technical conditions for product application		
8	Fotografie, rysunki techniczne, schematy i obliczenia (jeżeli są potrzebne), uzupełniające opis wyrobu Photos, technical drawings, diagrams and calculations (if applicable) to supplement product description		
9	Instrukcja montażu, użytkowania, konserwacji, pakowania, przechowywania i transportu Manual of assembly, operation, packing, storage and transport		
10	Warunki gwarancji i serwisu w Polsce Terms and conditions of warranty and service in Poland		
11	Sprawozdania z badań wyrobu Product's test reports		
12	Certyfikaty, atesty i opinie dotyczące wyrobu, wydane na podstawie odrębnych przepisów Certificates, attestations and opinions on the product, issued on the base of separate regulations		
13	Wskazanie treści dokumentów, które nie powinny być publikowane w Krajowej Ocenie Technicznej Contents of documents which mustn't be published in National Technical Assessment		

* [Wzrost numer załącznika](#), Enter enclosure number** [Wzrost upoważnienia dostępną na \[www.cnbop.pl\]\(http://www.cnbop.pl\)](#), Example of authorization is available on www.cnbop.pl

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Wnioskodawca oświadcza, że ~~Applicant states that~~:

- 1) dołączona do wniosku dokumentacja jest adekwatna do wyrobu i aktualna,
documents attached to the application form is valid and adequate to the product,
- 2) zna aktualny stan prawny i normalizacyjny w zakresie wnioskowanego udzielenia Krajowej Oceny Technicznej CNBOP-PIB.
knows actual legal and standardization status in the scope of CNBOP-PIB national technical assessment.
- 3) wyrób budowlany określony w pkt 7 i 8:
construction product specified in paragraphs 7 and 8:
 - +- nie jest objęty Polską Normą
is not subject of the Polish Standard
 - +- nie jest w pełni objęty Polską Normą; w odniesieniu do co najmniej jednej zasadniczej charakterystyki wyrobu budowlanego metoda oceny przewidziana w Polskiej Normie nie jest właściwa
is not fully covered by the Polish norm; for at least one essential characteristic of a construction product assessment method provided for in the Polish Standard is not appropriate
 - +- nie jest w pełni objęty Polską Normą; Polska Norma nie przewiduje metody oceny w odniesieniu do co najmniej jednej zasadniczej charakterystyki wyrobu budowlanego
is not fully covered by the Polish norm; Polish Norm does not provide assessment method in relation to at least one essential characteristic of a construction product
 - +- nie jest objęty wydaną dla tego wyrobu europejską oceną techniczną
is not covered by issued for this product European Technical Assessment
- 4) dla wyrobu budowlanego określonego w pkt 7 i 8:
for a construction product specified in paragraphs 7 and 8:
 - +- nie złożyłem wniosku o udzielenie krajowej oceny technicznej w innej jednostce oceny
I haven't made an application for a national technical assessment in another unit of assessment
 - +- złożyłem wniosek o udzielenie krajowej oceny technicznej w następujących jednostkach oceny:.....
I made a request for a national assessment of the technical assessment of the following units:
.....

* Zaznaczyć właściwy punkt.
* Mark the correct point.

MIEJSCOWOŚĆ, DATA PLACE, DATE	GŁÓWNY KSIĘGOWY CHIEF ACCOUNTANT	DYREKTOR DIRECTOR

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Centrum Naukowo – Badawcze Ochrony Przeciwpożarowej im. Józefa Tułieżkowskiego - Państwowy Instytut Badawczy ul. Nadwiślańska 213, 05-420 Józefów k/Otwocka
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Część B / Part B

Oświadczenie Wnioskodawcy / Statement of the Applicant:

Oświadczam, iż wyrób budowlany wskazany w punktach 7 i 8 / I declare that construction product specified in paragraph 7 and 8:

- nie jest objęty obowiązującą Aprobata Techniczną
is not subject of the Technical Approval
- jest objęty obowiązującą Aprobata Techniczną o numerze
is subject of the Technical Approval No
- nie jest w pełni objęty obowiązującą Aprobata Techniczną o numerze
is no fully subject of the Technical Approval No

MIEJSCOWOŚĆ, DATA PLACE, DATE	Wnioskodawca (podpis i pieczęć) Applicant (Signature and stamp)

Fig. 1. National Technical Assessment application form.
Source: Website of CNBOP-PIB Technical Assessment Body.

1. Part A

- points 1–4 are filled in by CNBOP-PIB employee;
- in point 5, the relevant item should be marked as to whether the application concerns the issue of a new national technical assessment or prolongation or amendment to the existing document;
- pt. 6 "Group of construction products" should specify the group to which the product belongs. The group should be determined on the basis of Annex No. 1 to the Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on how to declare the performance of construction products and how they are marked with the B construction mark (Journal of Laws 1966). It may be easier to use the list of products included in paragraph 4.5.1. of this standard;
- pt. 7 "Technical name, trade name, marking and its varieties" should specify the exact name of the product and its variations;
- pt. 8 "Technical description of the construction and materials and components used " should describe the product or indicate in which annexes enclosed with the application the required information is available;
- pt. 9 "Intended use of the construction product" should indicate where the requested product will be used;

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- pt. 10 "The performance of the construction product" should indicate performance related to the relevant essential characteristics affecting the fulfilment of the essential requirements expressed as a level or a class, or in a descriptive manner. Information on this may be set out in the Annex 2 listed in Part B;
- pt. 11 "Official Name" should provide the full name of the applicant;
- pt. 12 should provide the exact address of the applicant and additional contact details (telephone, fax, e-mail address);
- pt. 13 should indicate the applicant's REGON number (only applicable to national applicants);
- pt. 14 should indicate the applicant's National Court Register number (KRS) (only applicable to national applicants);
- pt. 15 should indicate the applicant's NIP number (taxpayer identification number);
- pt. 16 "Bank account" should indicate the applicant's bank account number and bank name;
- pt. 17 "Person authorized by Applicant" should indicated the name of person/persons that will represent the applicant in contacts with the Technical Assessment Body;
- pt. 18, 19 should provide the exact name of the manufacturer and their exact address;
- pt. 20, 21 should provide the exact name and address of the production site (factory);
- points 22–25 must be completed if the product is manufactured in more than one production facility. If the number of production plants is greater than 3, then all of them should be provided as an annex to the application.

2. A list of required attachments which should be delivered with the application form

- item 1 – "Manufacturer's authorization for the Applicant to apply for CNBOP-PIB National Technical Assessment". This appendix should be attached if the applicant is not the same as the manufacturer;
- item 2 – "Technical specification (standard, guidelines) used by manufacturer, determining product's requirements and testing level". Please include information on requirements for products during production in accordance with standards or manufacturer's guidelines, this appendix may be used to determine the required data in point 10 part A of the application;
- item 3 – "Pattern / specimen of the product": the method of delivery of this appendix should be consulted with Technical Assessment Body (TAB);
- item 4 – "Technical description of product as well as material and components used" list of the enclosed catalogue cards, technical documentation and other documents describing the construction and components of the product should be mentioned;
- item 5 – "Data on product functional and technical characteristics and its influence on the environment". There should be a statement of environmental impact and information on how to dispose of the used product included;
- item 6 – "Information concerning Factory Production Control System". The documents on how the manufacturer monitors the production and quality of the manufactured product should be

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attached. Sample documents are listed in Chapter 3.2 of the CNBOP-PIB standard 0025:2015
Factory Production Control – requirements;

- item 7 – "Technical conditions for product application". The basic scope of use of the product and (if any) standards / guidelines for the installation (design and assembly) of the product should be specified;
- item 8 – "Photos, technical drawings, diagrams and calculations..." After consulting Technical Assessment Body employee, the attachment may be provided electronically;
- item 9 – "Manual of assembly, operation, packing, storage and transport" the application must be accompanied by the instructions for assembly, use and service of the product, the packaging, storage and transport conditions should also be indicated;
- item 10 – "Terms and conditions of warranty and service in Poland" – information on the warranty and service of the product should be provided;
- item 11 – "Product's test reports" test reports that demonstrate the fulfilment of the given requirements should be enclosed, the report should be issued by an accredited laboratory;
- item 12 - "Certificates, attestations and opinions on the product, issued on the base of separate regulations" – the relevant documentation should be enclosed;
- item 13 – "Contents of documents which mustn't be published in national technical assessment" – it should be indicated which information, from which documents shall not be published in the NTA.

3. Statement

- in pt. 1 applicant declares that the documentation attached to the application is authentic, current and relevant to the product in question;
- in pt. 2 the applicant declares that they know the legal and normative status of issuing national technical assessments;
- in pt. 3 the applicant should indicate the appropriate subsection showing that the requested product is not covered:
 - by a Polish standard;
 - entirely by a Polish standard, the assessment method given in the Polish standard is not appropriate in relation to at least one essential characteristic of the construction product;
 - entirely by a Polish standard, the Polish standard does not include an evaluation method for at least one essential characteristic of the construction product;
 - by a European technical assessment already issued for this product;
- in pt. 4 the applicant declares whether they have applied for a national technical assessment in another technical evaluation unit, if so indicate where.

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In this part of the application the signatures of the applicant's CEO / president / owner should be provided. These persons should be mentioned in the documentation of the National Court Register. It is allowed to sign the application form by another company representative, but it requires additional authorization from the CEO / president / owner for the representative to enter into financial obligations on behalf of the company, then the signature of the chief accountant is required. Also note the date and place of the application.

4. Part B – statement of the applicant

In part B the applicant should declare (by marking one of the three following options) whether the construction product specified in paragraph 7 and 8:

- is not subject of the Technical Approval;
- is subject of the Technical Approval No.....;
- is no fully subject of the Technical Approval No.....;

The last element of the application is the signature and stamp of the amplicant and the place and date of the application.

4.3. FORMAL EVALUATION OF THE APPLICATION

The next step in the procedure for issuing national technical assessments is the formal assessment of the application, which consists of checking the correctness of how the application had been filled in and the completeness of the attached annexes. The assessment of the application consists of:

- checking the correctness of the application;
- product identification;
- checking the completeness of the documentation;
- determining the product category.

In case of a negative assessment of the application, the applicant shall be notified in writing of the gaps, failures and non-compliance and of the refusal to initiate the proceedings.

In case of a positive assessment of the application, CNBOP-PIB Technical Approval Body is requested within one month from the date of receiving of the application to notify the applicant in writing about initiating proceedings for issuing a national technical assessment.

When the submitted documentation is insufficient to carry out preliminary evaluation of the application, the applicant shall be further informed of the need to supplement the documentation. The time of the application evaluation is extended by the time required to complete the documentation.

The final step in the formal evaluation of the application is to sign with the applicant the contract to carry out a procedure for issuing a national technical assessment. The transition to the next stage of the process occurs after the signed agreement has been delivered to CNBOP-PIB and the appropriate payment has been transferred to CNBOP-PIB bank account.

4.4. DOCUMENTATION ANALYSIS

At this stage CNBOP-PIB Technical Assessment Body examines the application and annexes, including the available test results, and:

- determines the set of technical characteristics and performance characteristics of the product and their required level;
- sets out the appropriate scope (list) of the properties and performance characteristics of the products to be documented;
- performs a risk analysis by identifying possible hazards and benefits associated with the use of the assessed construction product;
- determines (based on risk analysis) the technical criteria for assessing the performance of a construction product with respect to its essential characteristics arising from the technical regulations and technical knowledge;
- defines the methods for evaluating a construction product by designing and validating appropriate test methods and calculations for the assessment of performance related to the essential characteristics and taking into account the current state of the technical knowledge;
- determines, on the basis of the analysis and evaluation of the product's production process, the requirements with regard to the factory production control to ensure the stability of performance of the construction product in its manufacture process;
- determines the type, subject and methods of the product's possible additional laboratory tests, together with a brief justification for their necessity;
- sets out the scope and subject matter of additional calculation justifications, additional data, reports and certificates, approvals, admittances and opinions, including those arising from separate regulations, furthermore indicates the appropriate laboratory to carry out the tests;
- determines the necessity of visual inspection of the product at its place of manufacture/ installation;
- determines the appropriate system for assessment and verification of constancy of performance.

After performing the steps above, in case where additional tests and/or additional documents are necessary in order to assess the performance of the product, a written statement is drawn up in which CNBOP-PIB determines:

- type, subject matter, methods and ranges of additional testes, calculations and classifications, together with a brief justification for their requirement;
- scope and content of additional documents and information (additional data, reports and certificates, attestations and opinions) resulting from separate regulations;
- the appropriate laboratory to perform the tests.

Upon receiving of this statement, according to its content, the applicant is required to complete the request for required test results, calculations, classifications and documents for further processing of

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the application. The transition to the next stage is completed after the payment by the applicant for carrying out of this statement.

4.5. ISSUE OF THE NATIONAL TECHNICAL ASSESSMENT

In this stage CNBOP-PIB Technical Assessment Body analyzes the reports from the additional laboratory tests, additional calculation justifications, data, certificates, attestations, approvals and opinions resulting from separate regulations, product inspection results etc. This phase also includes the following:

- technical evaluation of the suitability of the product on the basis of the application form, documents and findings of the product inspection;
- preparation and settlement of the final invoice for the process according to CNBOP-PIB price-list;
- development of a draft project of the national technical assessment, including:
 - detailed description of the product covered by the NTA;
 - the intended use of the construction product;
 - requirements for the performance of the construction product and methods of their evaluation;
 - indication of the national system for assessment and verification of the constancy of performance relevant to the product and its intended use;
 - detailed requirements for the factory production control system of the construction product.
- verification of the national technical assessment project, standardization and formal adjustment, final version editing;
- graphic design and printing of the national technical assessment, setting of the validity period and approval and signature of the Technical Assessment Body Manager;
- sending information to the Chief Inspector of Construction Supervision about the issuance of the national technical assessment;
- adding this NTA to the list of the issued national technical assessments;
- Issuing of the National Technical Assessment and forwarding it to the Applicant (after the final invoice had been settled).

4.5.1. PRODUCTS FOR WHICH CNBOP-PIB ISSUES NATIONAL TECHNICAL ASSESSMENTS

CNBOP-PIB was designated as a technical assessment body by the Minister of Infrastructure and Construction by Decision No 1/JOT/WB/16 of 22 June 2016 in the scope of:

- fixed firefighting equipment (fire detection and alarm systems, fixed firefighting systems, fire and smoke control systems and explosion suppression equipment) - Group code 10;
- power, control and communication cables - Group code 37.

The list of products for which CNBOP-PIB issues National Technical Assessments is given in Table 2.

Table 2. List of products for which CNBOP-PIB issues national technical assessments

No of the product group	Product/product group	Product category (1, 2, 3, 4)*
1	2	3
Group 10	Fixed firefighting equipment (fire detection and alarm systems, fixed firefighting systems, fire and smoke control systems, explosion suppression equipment, evacuation systems)	
1	2	3
Subgroups	Product subgroup	
01	Fire detection and fire alarm systems – kits	
	Combined fire detection and alarm systems – kits	3,4
	Fire detection systems- kits	3,4
	Alarm systems- kits	3,4
	Fire alarm transmission routing systems- kits	3,4
02	Fire detection and fire alarm systems – elements	
	Fire detectors	2,3
	Control and indicating equipment	3
	Fire alarm signal transmission systems	3
	Short-circuit isolators	1
	Alarm devices	2,3
	Power supplies	2,3
	Input/output devices	
	Manual call points (MCP)	1,2
	Emergency control panels	3
	Remote signalling and service devices	3
	Bases for line elements	1
	Alarm indicators	2
03	Self-contained smoke/CO detectors/alarms and their power supplies	2,3
04	Fire suppression and extinguishing systems – kits	
	First aid hose systems	3,4
	Dry and wet firefighting hydrant systems	3,4
	Extinguishing sprinkler, water spray and water mist systems - kits	3,4
	Foam extinguishing systems – kits	3,4
	Dry powder extinguishing systems – kits	3,4

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	Gaseous extinguishing systems – kits	3,4
	Aerosol extinguishing systems – kits	3,4
	Spark extinguishing systems – kits	3,4
	Oxygen reduction systems	3,4
	Fire suppression and fire extinguishing systems - elements	
	External hydrants	2
	Water flow detectors/switches	1
	Pressure detectors/switches	1
	Hydrant valves	2
	Inlet breeching	1
	Fire pumps and fire pump sets	2,3
	Nozzles / sprinklers / outlet elements	1
	Wet alarm valve assemblies	2,3
	Dry alarm valve assemblies	2,3
	Deluge alarm valve assemblies	2,3
	Multiple controls	1
	Container valve assemblies and their actuators	2,3
	High and low pressure selector valves and their actuators	2
	Selector valves and their actuators	2
	Non-electrical disable devices	2
	Connectors	2
	Pressure gauges and pressure switches	1,2
	Mechanical weighing devices	2
	Check valves and non-return valves	2
	Control and indicating devices	2,3
	Power supplies	2,3
	Foam proportioners	2,3
	Foam generators	1,2
	Pumps for hydrant systems	2
	Flexible sprinkler connections	2
	Pipe couplings	1
	Pipe fittings	
	Plastic piping systems	2
	Gate valves	1
	Pipe hangers and sets of hangers	1
	Pressure reduction and regulation valves	2
	Containers	3
	Manifolds	2
	Filters	1
	Emergency control panels	3
06	Explosion suppression systems – kits	3,4
	Explosion suppression systems – elements	
07	Detectors	2,3
	Suppressors	2,3
	Explosion sensors	1,2
	Explosion relief products	2,3

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	Control and indicating devices	3
	Power supplies	2,3
	Emergency control panels	3
08	Smoke and heat control systems – kits	
	Smoke and heat exhaust ventilation systems – kits	3,4
	Pressure differential systems – kits	3,4
	Fire zoning control systems – kits	3,4
09	Smoke and heat control systems – elements	
	Smoke curtains	1,2
	Fire dampers	1,2
	Cables	1,2
	Powered smoke and heat exhaust ventilators	2
	Natural smoke and heat exhaust ventilators	1,2
	Pressure relief dampers	1,2
	Control panels	3
	Emergency control panels	3
	Manual buttons for smoke-vent systems	1,2
	Power supplies	2
	Linear actuators	2
	Rotary actuators	2
	Damper for inlet air	2
Pressure sensors	2	
10	Evacuation systems – kits	
	Emergency evacuation lighting systems- kits	3,4
	Exit management systems on escape routes- kits	3,4
	Evacuation kits	3,4
11	Evacuation systems – elements	
	Control and indicating devices	3
	Power supplies	2
	Operating devices	2
	Interfaces of control passages	2
	Luminaires for emergency lighting	2
	Emergency control panels	3
	Escape chutes	2
12	Fireman's switches – kits	2
13	Fireman's switches – elements	
	Initiating devices	2
	Signalling devices	2
	Operating devices	2
Group 37	Power, control and communication cables	
1	2	3
Subgroups	Product subgroup	
01	Cables used in fire protection systems - (power, control and communication cables)	2
02	Shields for protection of power, control and communication cables	2
03	Cable systems	3

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- 1 - product constituting a simple construction solution, designed (usually) to perform one function or a simple series, completely uniform in construction.
 - 2 - a product constituting a complex construction solution, designed (generally) to perform several functions.
 - 3 - product of very complex construction solutions, designed (in general) to perform several functions. Series and sets of products enabling the creation of functional assemblies of various utility features.
 - 4 - complex product (system, kit), constituting a special design solution or a product with characteristics as for Category 3 product, for which extraordinarily extensive documentation was provided.
- CNBOP-PIB reserves the right to:
- make changes to the list of product groups resulting from the conditions for issuing national technical assessments referred to in point 1 *Guidebook on national technical assessments*,
 - make changes to the category of the product if the result of the evaluation of the application proves to be inadequate to the degree of complexity of the product and the presented documentation.

Source: Own study based on Annex 1 to the Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on how to declare the performance of construction products and how they are marked with the B mark (Journal of Laws 2016, item 1966).

5. SUMMARY

The aim of this standard was to present a procedure for conducting a national technical assessment. The legal grounds for the obligation to obtain a NTA and how to obtain it are also indicated.

To market a construction product, it must obtain a B marking. Obtaining a national technical assessment is the first step in this process. The manufacturer whose construction product was not subjected to the B marking requirement by 31 December 2016 has got to obtain all the documents currently required until 30 June 2018. In the transitional period, national technical assessments and technical approvals for the product will equally apply for products not covered by a Polish standard.

Marketing of construction products on involves obtaining several documents, their order and type is illustrated in the following diagram.



Fig. 2. Documents valid during the transitional period

Source: J. Zboina, G. Mroczo, *Changes to national certification documents*, "Fire Protection" 2016, 4 (58), p. 2–5.

6. LITERATURE

- Mroczko G., *Znaczenie Aprobat Technicznych dla bezpieczeństwa pożarowego obiektów budowlanych*, BiTP Vol. 24 Issue 4, 2011, pp. 87–93.
- Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on the manner of declaring the performance of construction products and the way of marking them with a B mark (Journal of Laws 2016, item 1966).
- Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on national technical assessments (Journal of Laws 2016, item 1968).
- Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 Laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106 / EEC.
- CNBOP-PIB-0016: 2015 standard *Current Documents Issued by CNBOP-PIB Certification Body and CNBOP-PIB Services Certification Body*.
- Standard CNBOP-PIB 0025: 2015 Factory Production Control (FPC) – requirements.
- Act of 16 April 2004 on construction products (Journal of Laws 2004, No 92, item 881 as amended).
- Act of 25 June 2015 amending the Act on Construction Products, the Construction Law Act and the Act on the Amendment of the Law on Construction Products and the Law on Conformity Assessment System (Journal of Laws, No. 0, item 1165).
- Zboina J., Mroczko G., *Zmiany krajowych dokumentów certyfikacyjnych*, „Ochrona Przeciwpożarowa” 2016, 4(58), pp. 2–5.

7. SCOPE OF ACTIVITIES OF CNBOP-PIB TECHNICAL ASSESSMENT BODY (TAB)

Pursuant the decision of the Minister of Infrastructure and Construction No 1/JOT/WB/16 of 22 June 2016 - designating CNBOP-PIB Technical Assessment Body TAB as a technical assessment body authorized to issue national and european technical assessments in respect of product groups 10 and 37.

Table 3. Product group according to Regulation of the Minister of Infrastructure and Construction of 17 November 2016

Product Group	Group Code
<ul style="list-style-type: none"> Fixed firefighting equipment (fire detection and alarm systems, fixed firefighting systems, fire and smoke control systems and explosion suppression equipment) 	10
<ul style="list-style-type: none"> Power, control and communication cables 	37

Source: Regulation of the Minister of Infrastructure and Construction of 17 November 2016.

Technical Opinions

CNBOP-PIB TAB issues Technical Opinions for:

- Fire Alarm Systems, Smoke Detection Systems, Fire and Smoke Control Systems, Fire Cables and Wires, Cable Trays, Fixed Fire Extinguishing Systems - within the scope of the declared additional properties and functionalities (not included in the scope of the standards, technical approvals, technical assessments or surpassing the level of requirements set out in these technical specifications);
- Fire and rescue equipment – for products not subject to compulsory assessment in accordance with national and European regulations (certification, admission).



Fig. 3. Pattern CNBOP-PIB Technical Opinion

Source: Website of CNBOP-PIB Technical Assessment Body.

Innovative Products Testing

CNBOP-PIB conducts tests of innovative products that are not subject to the admittance obligation in accordance with Art. 7 of the Act of 24 August 1991 on fire protection (Journal of Laws of 2013, No. 0, item 1340, as amended).

As a result of the test procedure, the innovative product can obtain:

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- a recommendation for use in fire protection – applies to products which are not subject to the admittance procedure. The recommendation is for an indefinite period of time,
- an opinion on suitability of the product to be used in fire protection – applies to products subject to mandatory admittance procedure. The opinion is given for a fixed period of 3 years and includes a stipulation that the product is subject to an obligatory admittance procedure.



Fig. 4. Marking Pattern - Testing Recommendation

Source: Own elaboration.



Fig. 5. Marking Pattern - Testing Opinion

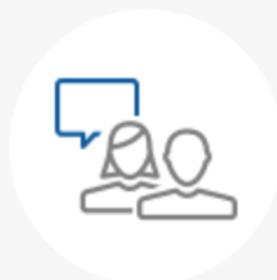
Source: Own elaboration.



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