

Module B

Type Examination

Type examination is that part of the conformity assessment procedure whereby the Conformity Assessment Body (CAB) examines the technical design of a product, verifies and confirms that the technical design of the product meets the essential safety requirements of The Pyrotechnic Articles (Safety) Regulations 2015, SI 2015 No. 1553 as amended (hereinafter „The Pyrotechnics Articles (Safety) Regulations 2015“).

Applicant shall send a list of pyrotechnic articles (preferably in a tabular form) organized by type, with a proposal for categorization and a proposal for grouping into families. Together with the table, the applicant shall send technical documentation for each product concerned. The technical documentation must be in English or Slovak; other language is acceptable upon mutual agreement.

CAB shall review the technical documentation, carry out corrections to categories and to families of pyrotechnic articles, if necessary, and send the applicant a price proposal for the conformity assessment including information about location of the test and the number of test samples for each individual product.*)

CAB shall provide the applicant with information on the standards under which conformity assessment will be carried out.

If the applicant wishes to carry out the conformity assessment according to his own procedure and not according to designated standards, he shall submit such procedure to the CAB before commencing the conformity assessment together with a study comparing the results obtained under his own procedure and those achieved according to relevant designated standard.

On the basis of the submitted study, CAB will assess whether the proposed procedure allows a quantitative and qualitative evaluation of the product parameters under review, and, at the same time, the CAB will evaluate the reproducibility of the test method. The procedure must enable to assess whether the product meets the essential safety requirements of The Pyrotechnics Articles (Safety) Regulations 2015.

If the applicant does not provide the comparative study or the assessment by the CAB does not sufficiently demonstrate the objectivity of the evaluation of the parameters under review, the CAB will test the parameters according to the procedure proposed by the applicant as well as pursuant to the designated standard. The safety parameters will be tested and the essential safety requirements will be evaluated pursuant to both procedures automatically.

On the basis of the test results obtained in accordance with both procedures, the Head of the CBCP approves or eventually rejects the conformity assessment procedure proposed by the applicant. The CAB shall inform the applicant about the outcome of the evaluation. If the applicant's conformity assessment procedure is rejected, the CAB will assess the conformity of the product(s) concerned according to the designated standard, or, in cooperation with the applicant, will decide on an alternative method of the conformity assessment which will allow an objective appraisal of the given parameters and fulfilment of the essential safety requirements of The Pyrotechnics Articles (Safety) Regulations 2015.

In case the applicant accepts the conformity assessment price proposal, the conditions and deadline for submitting the required samples as well as the expected date of completion of the conformity assessment, the applicant shall send completed form " Application Form for Conformity Assessment UKCA" KOTA D-608 to the CAB. This form shall be filled completely and legibly.

Where the applicant wishes to carry out the conformity assessment on several products, the entries in the boxes 'Product name', 'Product type' and 'Derived variants' may be replaced by a reference to an annex to the application, in which the required data are presented in tabular form. The applicant shall confirm binding and truthfulness of the data by adding his signature and imprint of a company stamp.

Subsequently, the CAB and the applicant shall agree on the place where the tests are to be carried out and the way of sample delivery.

The CAB shall draw up a draft contract incorporating all relevant and pre-discussed conditions of the conformity assessment, and provide it to the applicant for comments. If the wording of the draft contract is accepted, both parties (namely the statutory representative of the applicant and the statutory representative of the CAB) will sign the contract.

If it is necessary to import test specimens from abroad, the CAB shall request the competent governmental authority to issue an import license for samples of pyrotechnic articles necessary for carrying out the conformity assessment on the basis of the signed contract.

Upon obtaining the import license, the CAB shall invite the applicant to submit the samples. Samples intended for the conformity assessment in the range of the type examination do not need to be labelled in accordance with the requirements of the designated standard, but must be clearly labelled in a manner allowing their unambiguous identification.

Upon receiving the samples, the CAB shall carry out the tests in accordance with relevant designated standards, or, as the case may be, in accordance with mutually agreed procedure that allows an objective evaluation of the parameters under review with the essential safety requirements of The Pyrotechnics Articles (Safety) Regulations 2015.

In the event of any non-conformity of the test specimen characteristics with the specified requirements, the testing shall be suspended and information shall be sent to the applicant including proposals for further handling the observed non-conformity.

The conformity assessment also includes review of the prescribed product labelling. Therefore, before completing the process, the applicant shall provide a model for each product under assessment.

If the product complies with the aforementioned essential safety requirements, the CAB shall draw up the following certification documents:

- Type examination certificate (form KOTA D-601), and
- Final Report of Conformity of Product.

CAB shall send these documents together with a commercial invoice to the applicant. The certificate is valid without temporal restrictions.

In case the product does not meet the essential safety requirements of The Pyrotechnics Articles (Safety) Regulations 2015 or other applicable requirements of the designated standards, the CAB shall refuse to issue the certificate while providing the applicant detailed reasoning for such decision. At the same time, the CAB shall instruct the applicant about the possibility to appeal against the decision and how to file the appeal.

After a successful completion of the type examination, if the applicant wishes to add new variants to existing family of pyrotechnic articles (i.e. articles listed on a single type certificate) in the future, basically the same conformity assessment procedure applies to the new variants while adopting reduced sampling regime in accordance with relevant designated standard.

If all applicable requirements are met, the CAB shall issue Amendment to the Type Examination Certificate (form KOTA D-610) and Final Report of Conformity of Product.

The applicant shall inform the CAB of any modification to the type certified product, which must be subsequently approved by the CAB, if such change may affect compliance with the essential safety requirements, assignment of the product to a particular category, its type designation, or the prescribed conditions of use. This additional approval shall be issued by the CAB in the form of an amendment to the original type examination certificate.

****) Remark:***

Tests for the purpose of conformity assessment under The Pyrotechnic Articles (Safety) Regulations 2015, SI 2015 No. 1553 as amended can be carried out in two locations:

1. *Accredited laboratory, Authorized Body SKTC-112, Slovak Republic*
2. *Accredited laboratory TCPL, P.R. China*

Test procedures are identical in both cases. Both laboratories follow the designated standards, which they are accredited to.