

Guideline**7/26****CLAP****FORM N°279****Version : 1****Directive 97/23/EC****Keywords :**

European approval of materials

EAM

Material

Directive references:

Article 1 § 2.9 - 97/23 EC

Article 11 - 97/23 EC

Adopted by WPG: 24/11/2010**Adopted by CLAP:** 24/11/2010**Subject:** ESR on material – European Approval for Materials – Type of material**Question:** What type of material may follow the European Approval for Materials (EAM) route?

Answer: An EAM may be issued for a special or novel material grade not included in a European material standard harmonized under the Pressure Equipment Directive (PED). Such a material grade shall have a specification associated with particular chemistry and/or conferring specific mechanical properties or characteristics such as corrosion resistance. These mechanical properties or characteristics shall be supplementary to those in similar harmonised standards. See also CLAP 154 - Guideline 7/15.

An EAM is a route to facilitate the use of safe materials in absence of harmonized standards and to encourage material technology development and innovation.

An EAM shall not be issued for:

1. a grade of material listed in a current or former national material standard that has a specification covered by a harmonised European material standard.
2. a grade of material which was previously included in a European national material standard but which was not included in the harmonised European material standard which has replaced the European national material standard.

In those cases a PMA is to be drawn up, see CLAP 201- Guideline 7/21 and CLAP 134 - Guideline 9/13.

Note 1: A “grade of material” may be designated by use of a material number in accordance with EN 10027-2 in the case of metallic materials.

Note 2: The Pressure Equipment Directive (PED) states that European Approval for Materials (EAMs) shall be withdrawn by the notified body if the type of material is covered by a harmonized standard.