



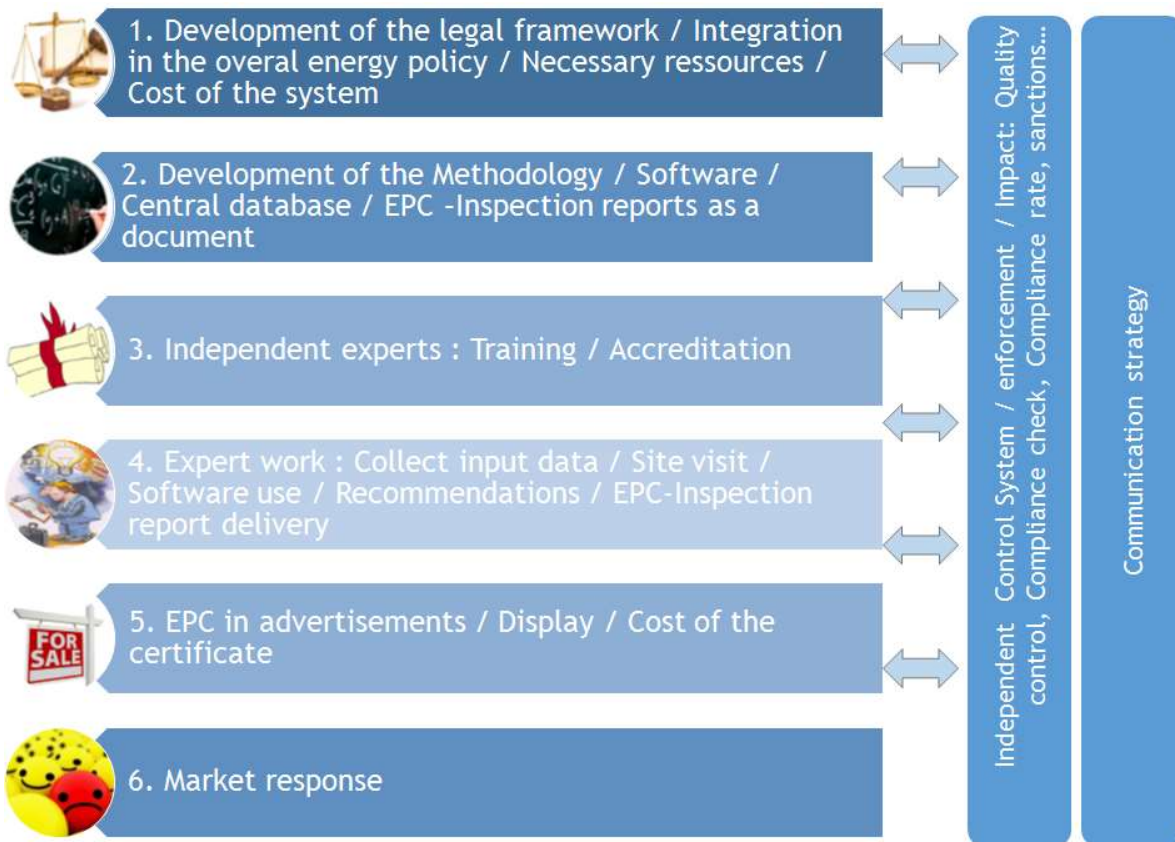
The next generation of energy performance certification

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Current status of EPCs in Europe



Concerted Action EPBD :
<https://www.epbd-ca.eu>

Outcomes of discussions 2015-2018

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Outcomes of discussions 2015-2018

Main outcomes of the EPBD revision

- ✓ Stronger **long term renovation strategies** for Member States, aiming at decarbonisation by 2050 and with a solid financial component.
- ✓ A **Smart Readiness Indicator** for buildings.
- ✓ Targeted support to **e-mobility** infrastructure deployment in buildings' car parks.
- ✓ Enhanced **transparency** of national building energy performance calculation methodologies.
- ✓ Reinforcement of **building automation**: additional requirements on room temperature level controls, building automation and controls and enhanced consideration of typical operating conditions.

EPBD revision: focus on EPCs

Article 10: (Financial incentives and market barriers)

- Obligation to link financing to energy savings
- Compare EPC's before & after renovation as one of the criteria to determine energy efficiency improvements
- EPC databases to allow gathering of aggregated, anonymized data

Article 19: (Review)

- Review of the Directive by 1 January 2026, examining a number of specific issues
- These include assessing need for improved EPC's

Article 19a: (Feasibility study)

- Feasibility study for optional renovation passports

Article 20(2): (Information)

- Information to owners & tenants on EPCs

Annex II:

- Quality check of EPCs

EPBD revision: Smart Readiness Indicator



New article 8(10) and 8(11) requires the establishment of a Smart Readiness Indicator (SRI) for buildings.

EPBD revision: Smart Readiness Indicator

Two paragraphs and one technical Annex (Ia).

- ✓ “An optional common Union scheme for rating the smart readiness of buildings”.
- ✓ “The rating shall be based on an assessment of the capabilities of a building or building unit to adapt its operation to the needs of the occupant and the grid and to improve its energy efficiency and overall performance.”
- ✓ Delegated acts to “establish the definition of the smart readiness indicator; and establish a methodology by which it is to be calculated.”
- ✓ Implementing acts “detailing the technical modalities for the effective implementation of the scheme.”

EPBD revision: Smart Readiness Indicator

- ✓ **Establishment of the SRI (delegated and implementing) acts and related technical work**
- ✓ **Timeline: adoption of the acts by 31 December 2019**

Study for DG Energy: <https://smartreadinessindicator.eu>

EE-05-2018-2019: Next-generation of Energy Performance Assessment and Certification

Specific Challenge:

- Further improve EPCs and their assessment processes
- Assess buildings holistically, using ISO/CEN standards
- Use measured data
- Explore links with Smart Readiness Indicator

2018: Coordination & Support Action

100% funding rate

EUR 1-2m per project

2019: Innovation Action

70% funding rate

EUR 2-2.5m per project

Technology Readiness Level 6-7

Recording from Horizon 2020 Energy Efficiency Info Day:

<https://ec.europa.eu/easme/en/horizon-2020-secure-clean-and-efficient-energy-info-day>

EASME

Executive Agency for Small and Medium-sized Enterprises

**THANK YOU
FOR YOUR ATTENTION**

Philippe MOSELEY

Unit B.1 Horizon 2020 Energy

<https://ec.europa.eu/easme/en/energy>

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