

Renovating Historic Buildings towards Zero Energy

A systematic approach for decision decision making and planning

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The decision context?



Basic elements of the decision process

- A systematic approach – step by step
- Transdisciplinary collaboration from the beginning



EN16883:2017

Guidelines for improving the energy performance of historic buildings



European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung



About the standard

- **Guidelines** for improving the energy performance of historic buildings while respecting their heritage significance.
- Scope: Historically, architecturally or culturally valuable buildings. It is **not limited to listed buildings**, it applies to historic buildings of all types and ages.
- A **working procedure** based on an investigation, analysis and documentation of the building including its heritage significance.

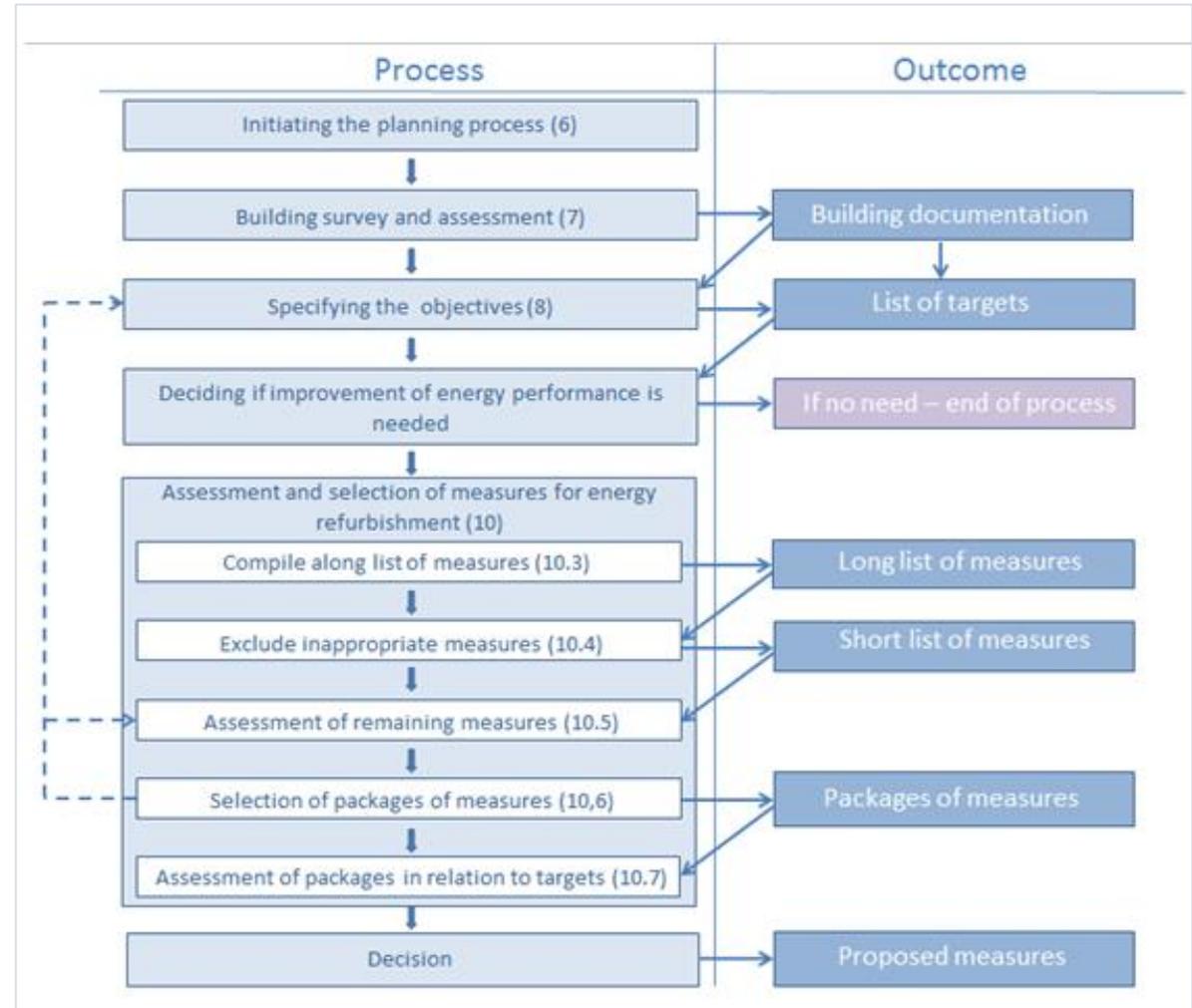


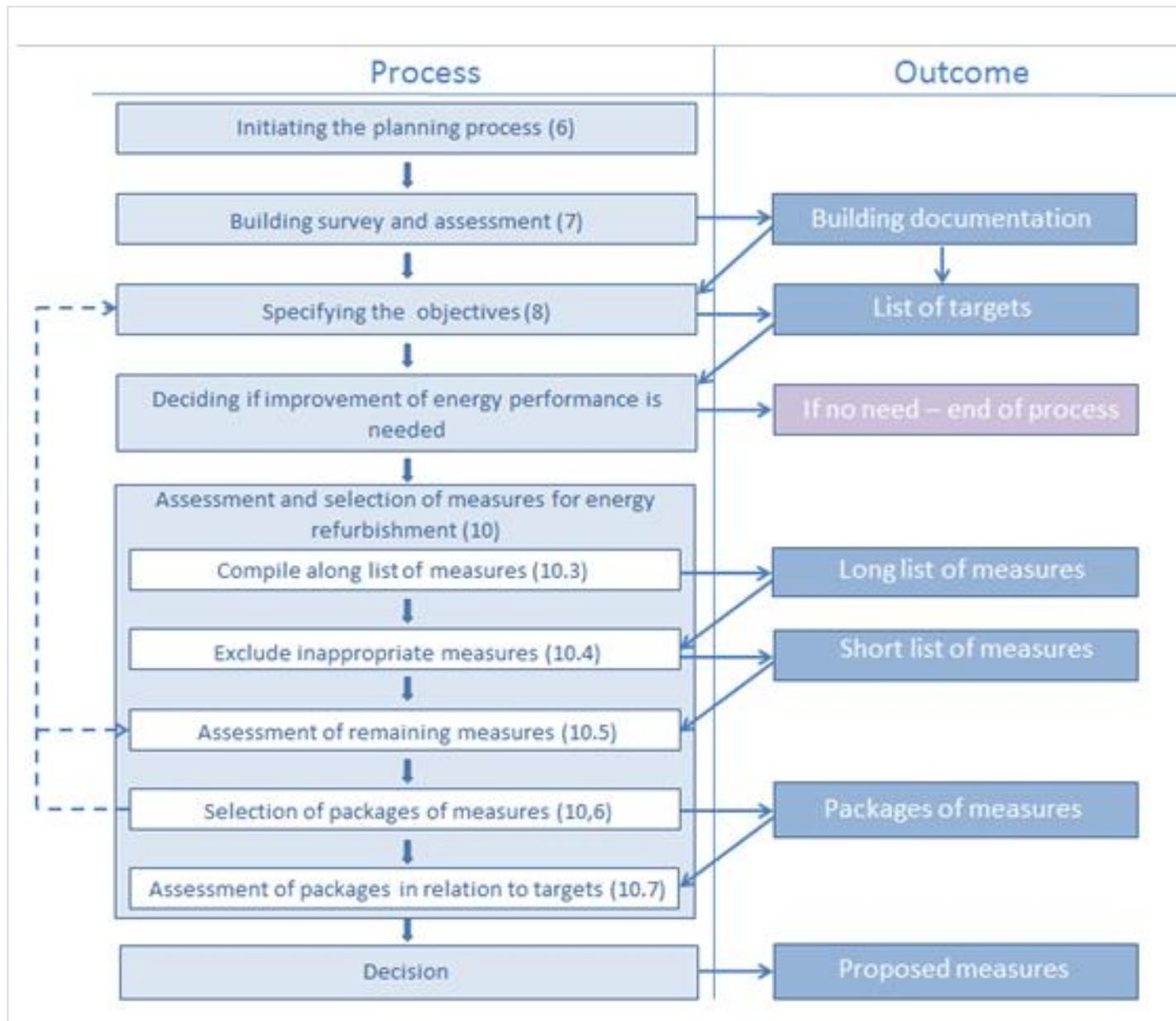
Both demand and supply side



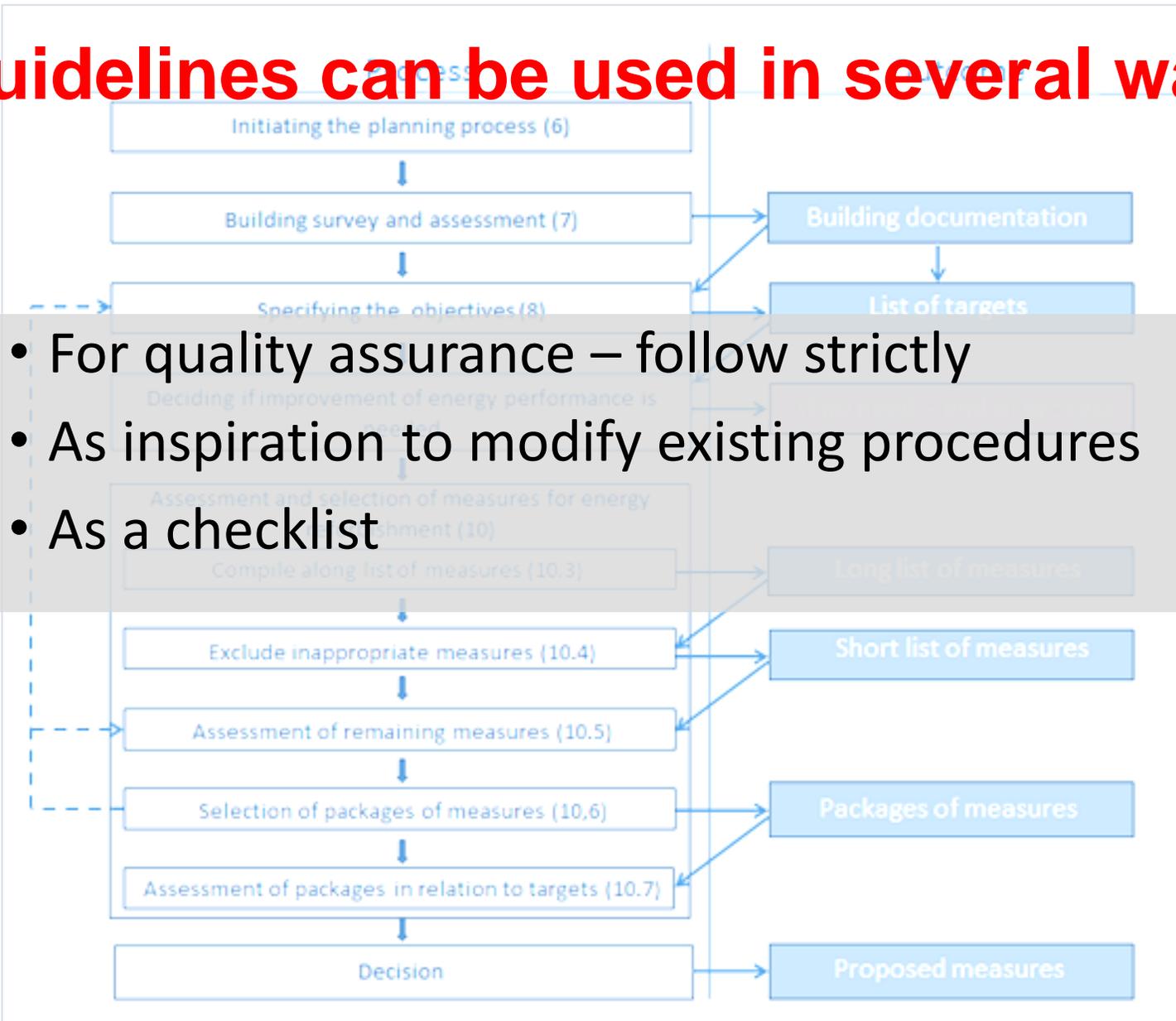
A procedural standard

- A systematic procedure to facilitate the best decision in each individual case.
- A step by step process with some iterations
- Each of the steps are described in the text of the standard





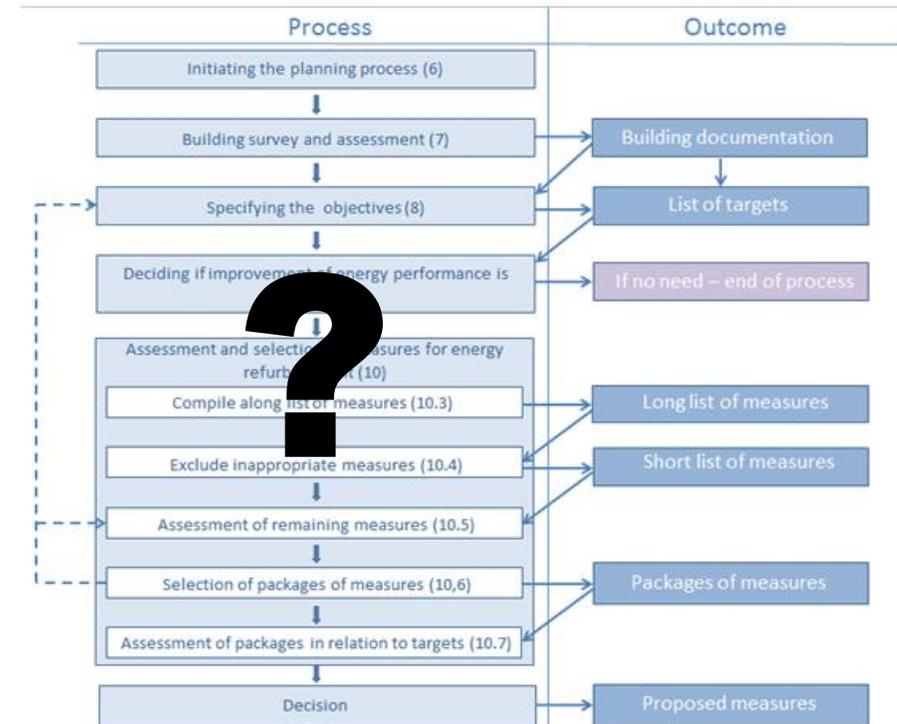
The guidelines can be used in several ways



- For quality assurance – follow strictly
- As inspiration to modify existing procedures
- As a checklist

Questions

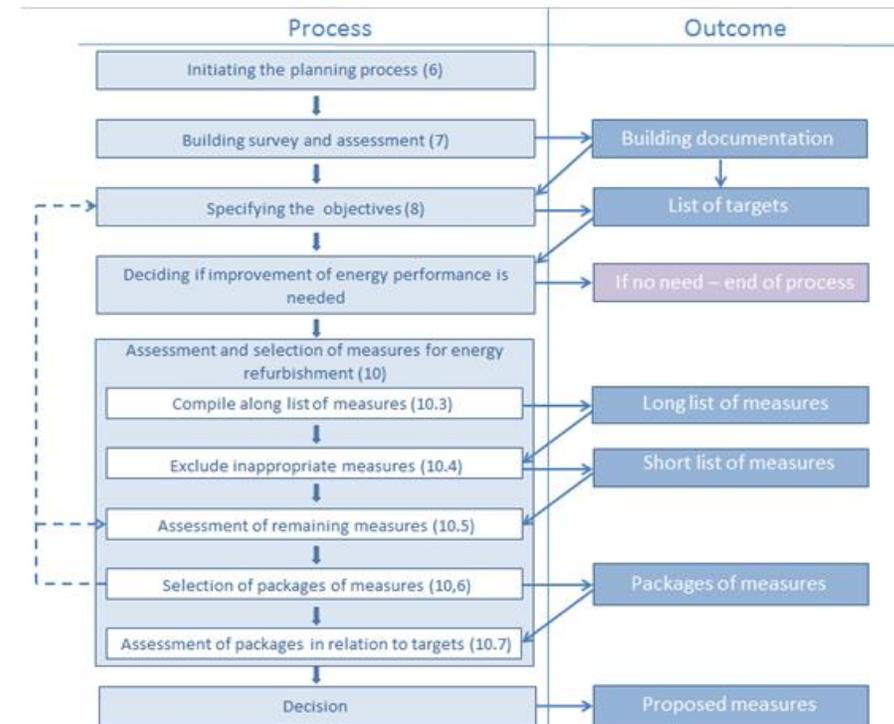
- Is the standard being used?
- Does the standard work?



IEA Task 59 Renovating Historic Buildings Towards Zero Energy

Enhancing the standard

- Support and additional information in each step of the process:
 - Tools
 - Guidelines
 - Training
- Best practice - real buildings
- Best practice - solutions



Summary

- Consider using the standard
- We are looking for more case studies

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<http://task59.iea-shc.org/>