



SOLAR HEATING & COOLING PROGRAMME  
INTERNATIONAL ENERGY AGENCY

# *Quality Assurance in Energy Retrofits: The Role of Standards*

## **Standard EN16883:2017**



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**TASK 59**  
RENOVATING HISTORIC BUILDINGS  
TOWARDS ZERO ENERGY

2018   
ANNO EUROPEO  
DEL PATRIMONIO  
CULTURALE  
#EuropeForCulture

# EN16883:2017

## Guidelines for improving the energy performance of historic buildings



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



# EN16883:2017

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# Climate and Culture



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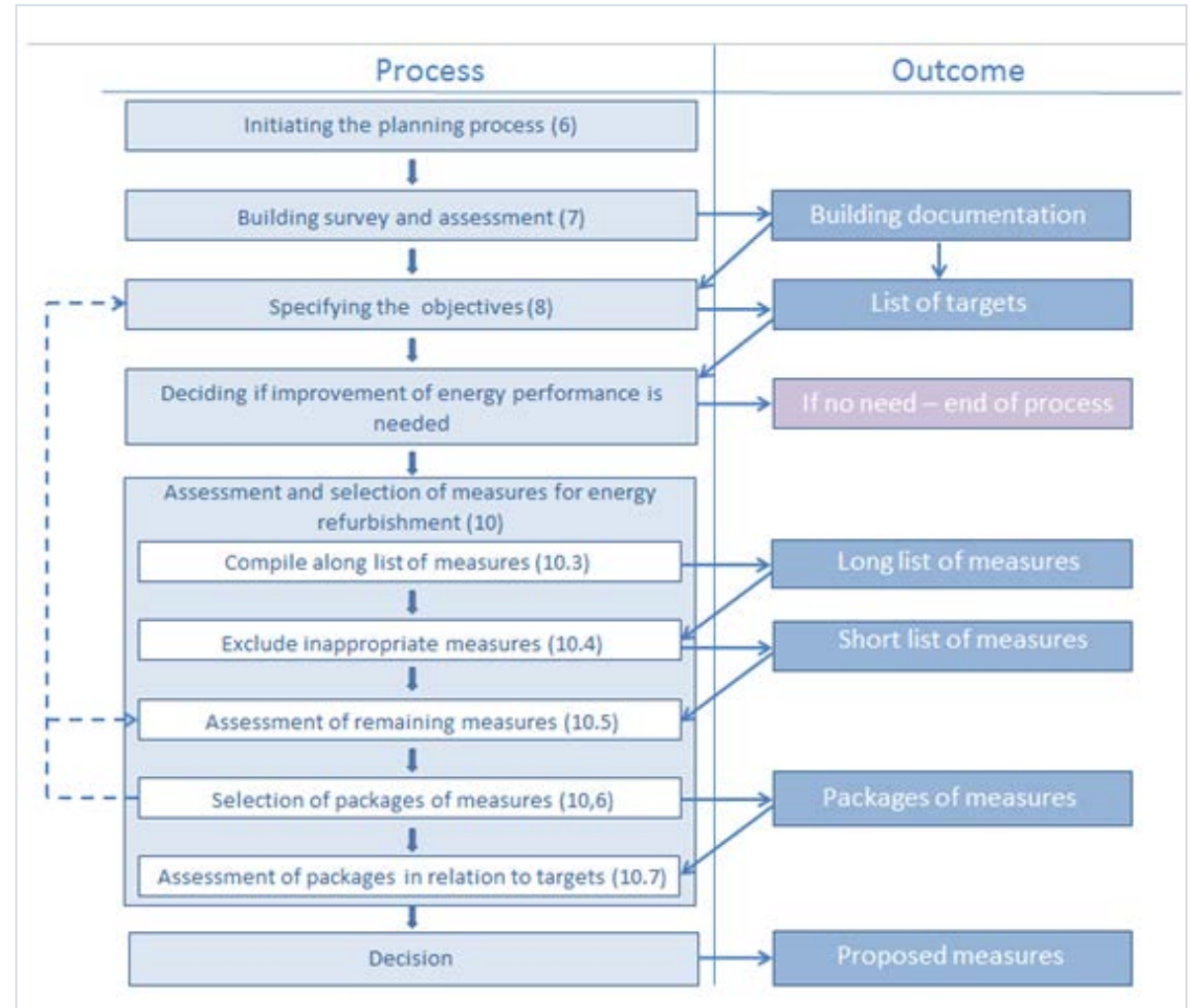
# About the standard

- **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.

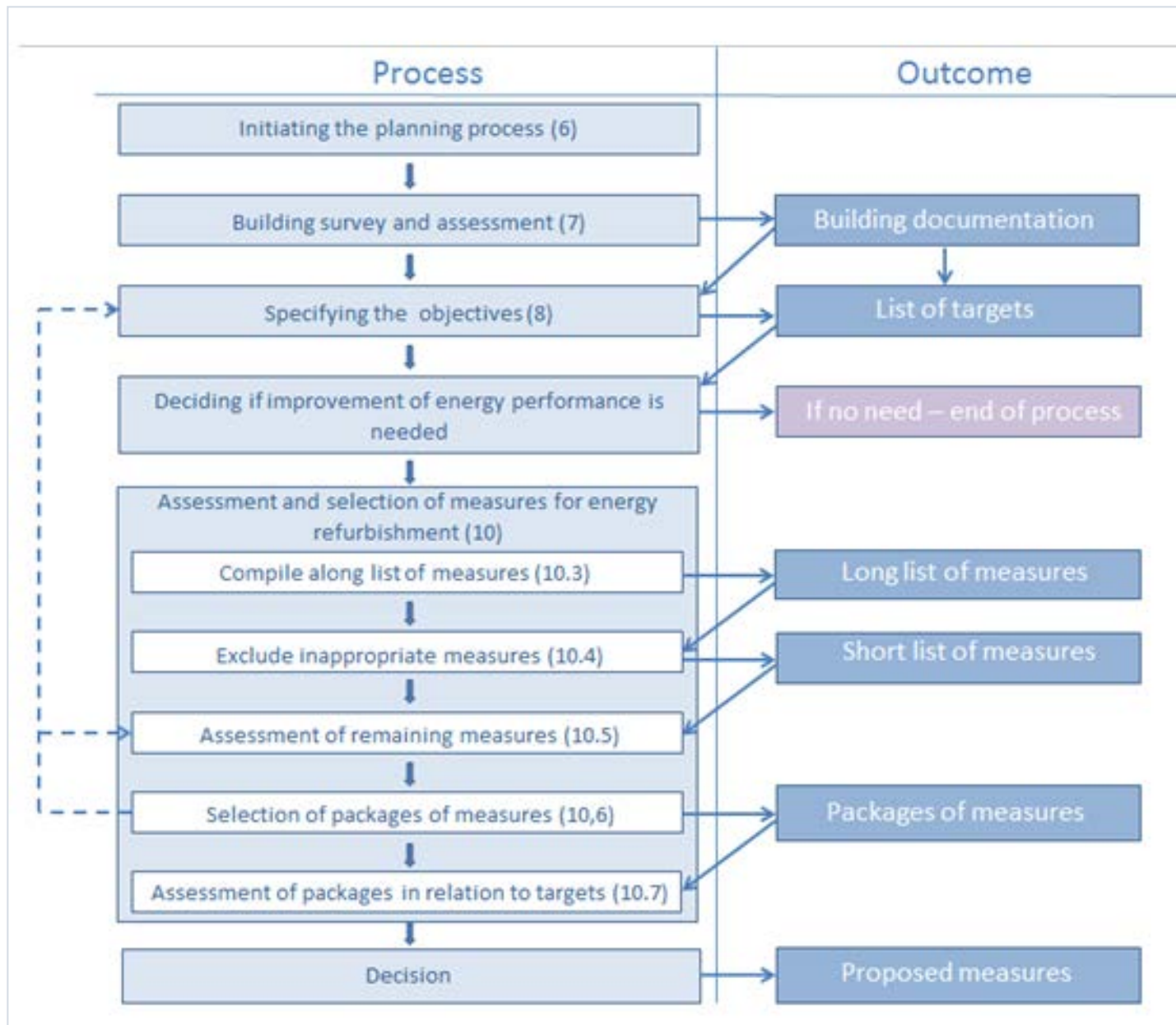


# A procedural standard

- 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

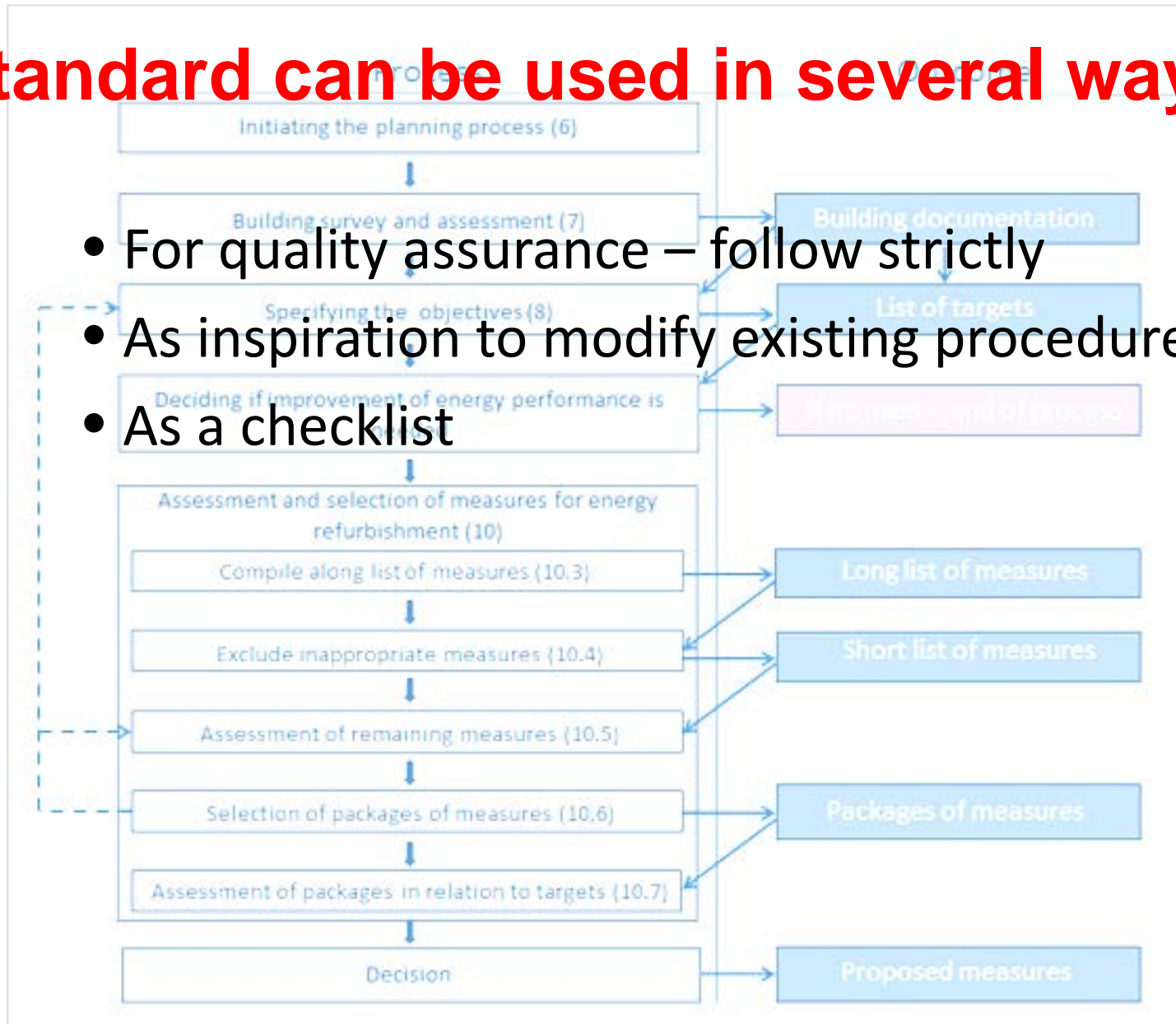






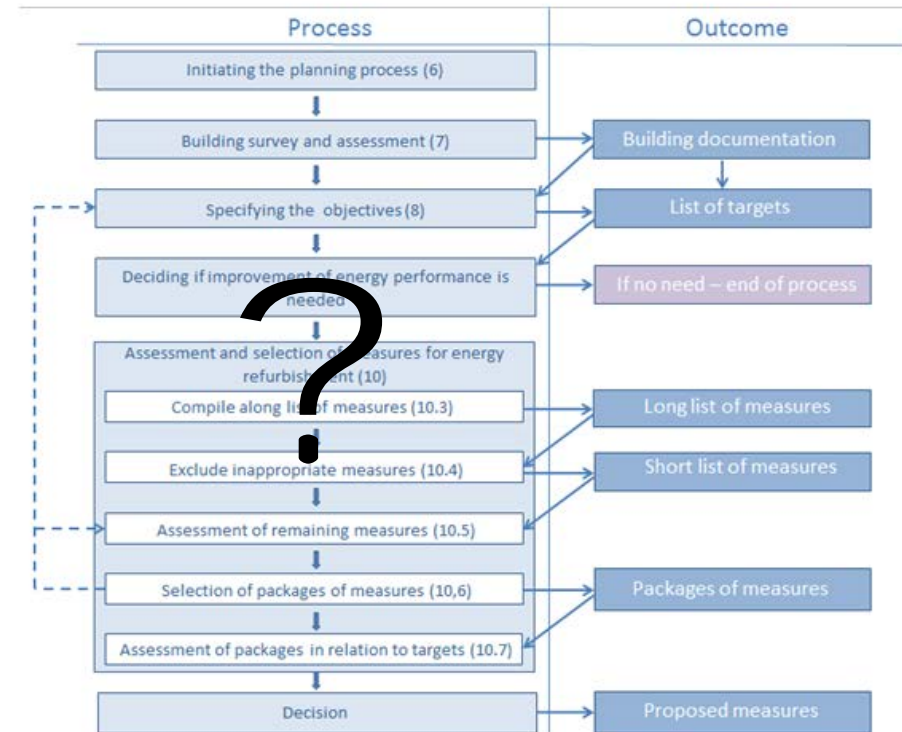
# The standard can be used in several ways

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



# Questions

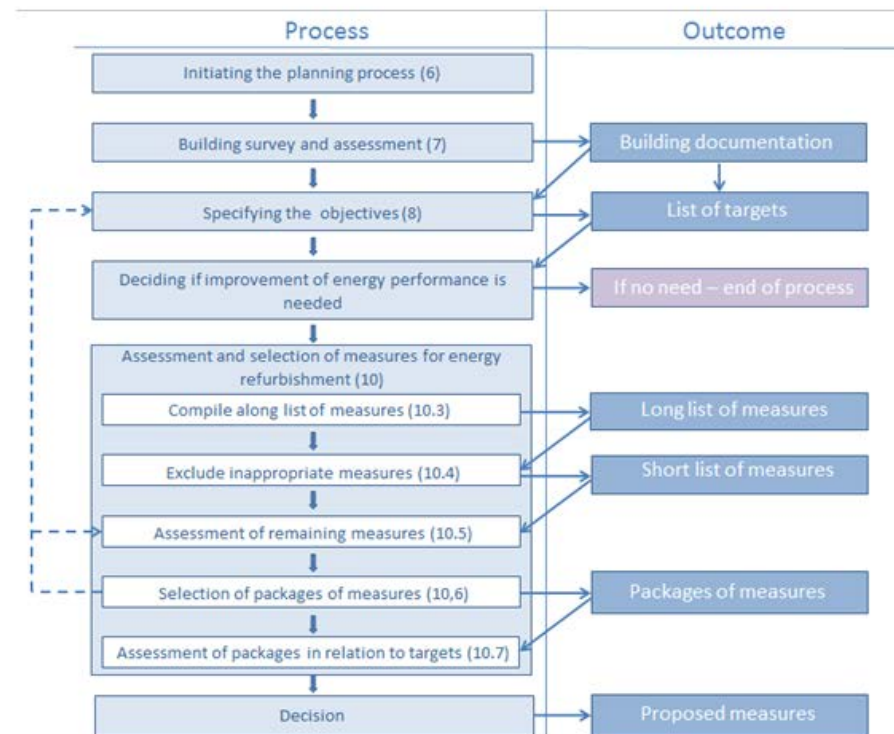
- Is the standard being used?
- Does the standard work?



# IEA Task 59 Renovating Historic Buildings Towards Zero Energy

## Assessing the standard

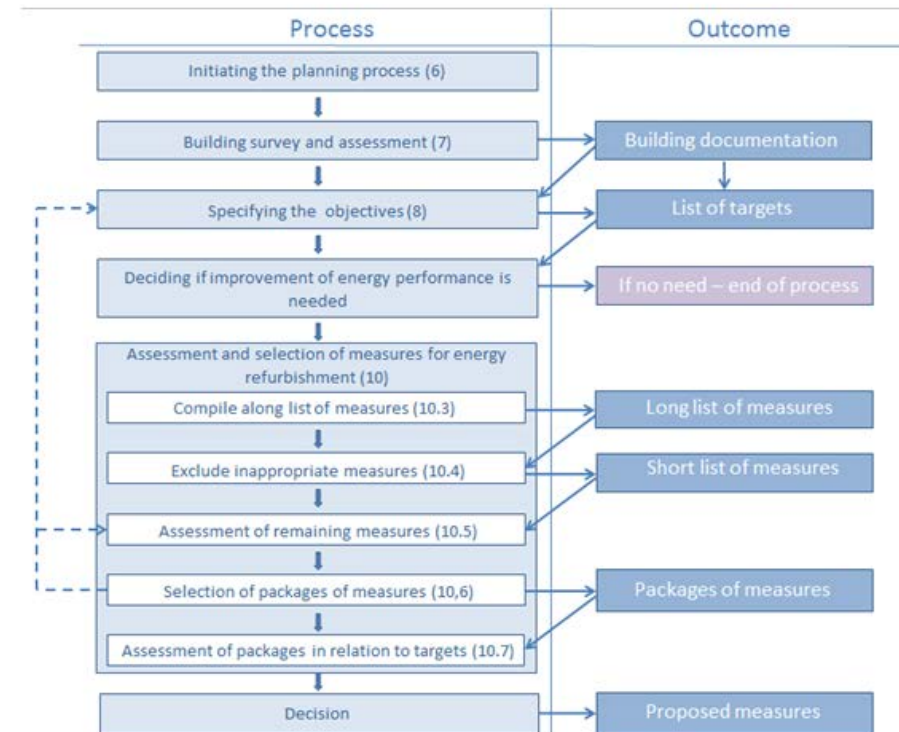
- How does it work in practice?
  - Case studies
  - Interview
  
- We need more case studies!



# IEA Task 59 Renovating Historic Buildings Towards Zero Energy

## Enhancing the standard

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



# Summary

- Consider using the standard
- We need more case studies
- Any feed-back is valuable

# Contact

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