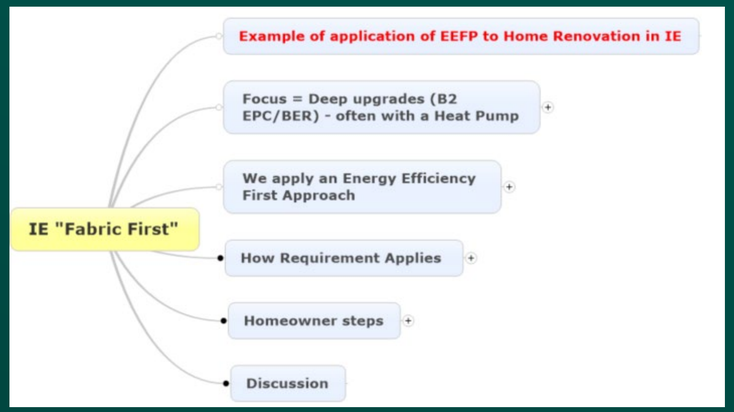
An Roinn Comhshaoil,
Aeráide agus Cumarsáide
Department of the Environment,
Climate and Communications

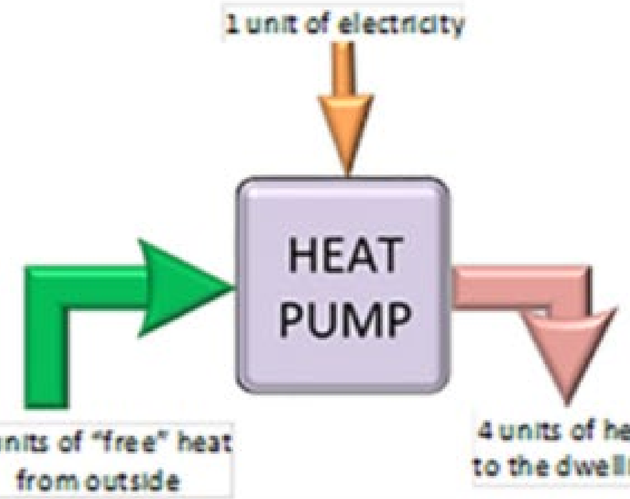
Example of applying EEFP in IE



Dr. Albert Jordan
Residential Energy Efficiency Division
Department of Environment, Climate & Communications
March 2023

EEFP (Fabric first) from IE

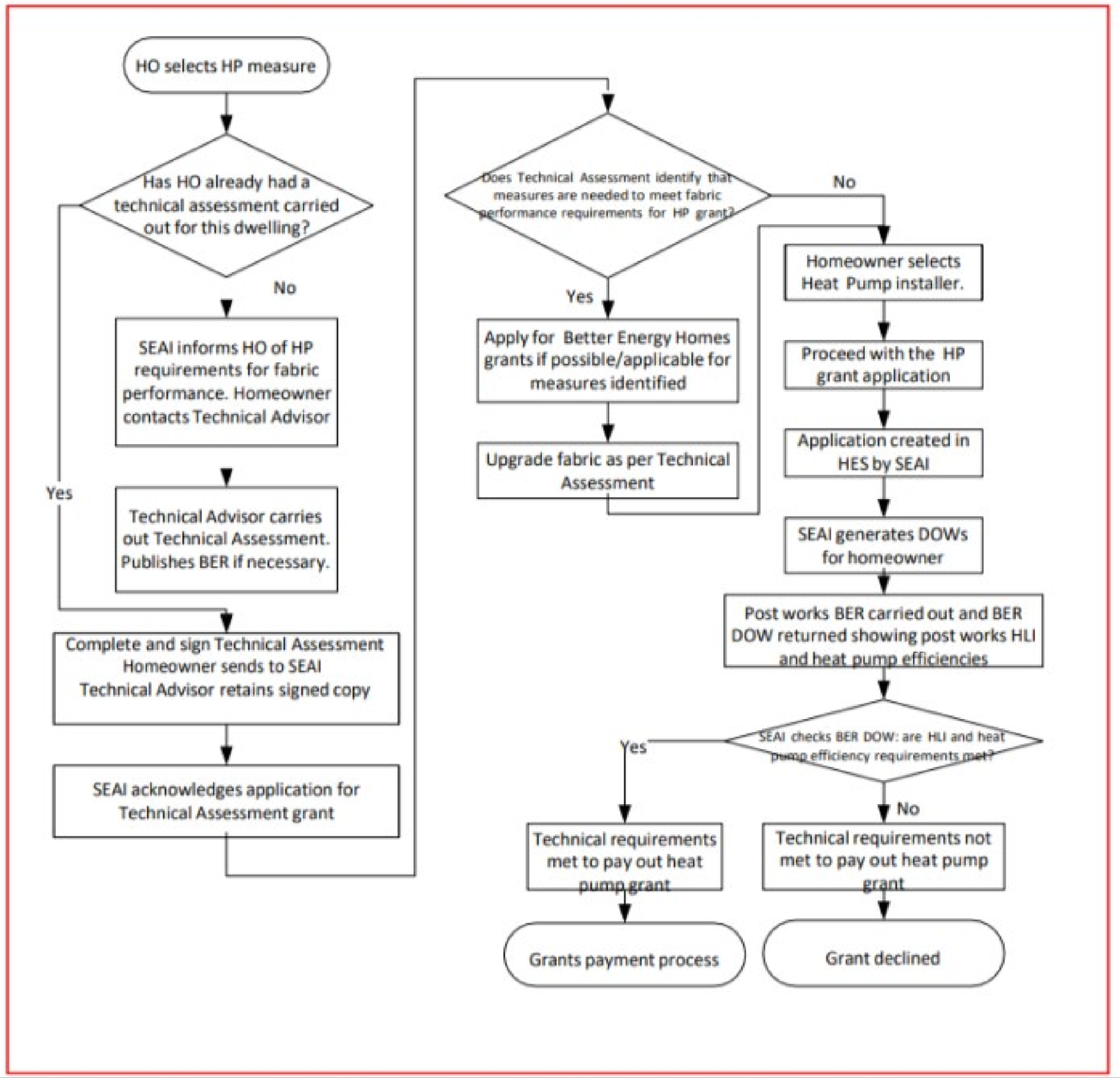
WHY - To Ensure against
- Energy Waste
- Excess Energy Bills



WHERE = Deep upgrades (B2 EPC/BER) - often with a Heat Pump

HOW - Requires home to be well insulated
- Low Heat loss

- **How Requirement Applies**
  - **Grant Support depends on a minimum fabric efficiency performance which the home must achieve**
    - HLI (Heat Loss Indicator).
      - Fabric & Ventilation heat losses - proxy for heat would leave the dwelling
      - Important for HP as provide lower level of heat than boiler and need to work harder (consuming more electricity) when HLI is high
    - Apt HLI will ensure your Heat Pump performs efficiently
    - HLI Levels
      - Current = $HLI \leq 2\ W/K\,m^2$
        - Total Heat Loss per m2 of dwelling floor area.
      - Future - Study to review if HLI could be increased to 3 W/K/m2 Commencing.
        - Look at Energy consumption for cohort of homes at different HLI bands.
        - To inform id adjustment of HLI range is merited.
  - **Verification**
    - Your EPC/BER will show the HLI Rating.
    - Home Energy Assessment
      - Performed by experts from a panel - FREE/Subsidized
      - Will identify what fabric upgrades you will need in order to achieve the required HLI.
        - These upgrades qualify for grant support
        - Can be undertaken prior to or in conjunction with installation of your HP.
        - Grant only paid if the required HLI is achieved.
  - **Homeowner steps**
    - Engage Technical advisor (from panel) to assess home (or) Meet required HLI in your existing EPC/BER
    - Upload assessment to the Online Application Wizard.
    - Upgrade the fabric if/as necessary
      - Before separate HP installation
      - As part of single project which achieves the required HLI level.
    - Verify level Achieved
    - Grant Paid.
    - Comfortable Home
    - Schematic of Steps
      - https://www.seai.ie/publications/Technical_Advisor_Role.pdf


HO selects HP measure
Has HO already had a technical assessment carried out for this dwelling?
No
SEAI informs HO of HP requirements for fabric performance. Homeowner contacts Technical Advisor
Yes
Technical Advisor carries out Technical Assessment. Publishes BER if necessary.
Complete and sign Technical Assessment
Homeowner sends to SEAI
Technical Advisor retains signed copy
SEAI acknowledges application for Technical Assessment grant
Does Technical Assessment identify that measures are needed to meet fabric performance requirements for HP grant?
Yes
Apply for Better Energy Homes grants if possible/applicable for measures identified
Upgrade fabric as per Technical Assessment
No
Homeowner selects Heat Pump installer.
Proceed with the HP grant application
Application created in HES by SEAI
SEAI generates DOWs for homeowner
Post works BER carried out and BER DOW returned showing post works HLI and heat pump efficiencies
SEAI checks BER DOW: are HLI and heat pump efficiency requirements met?
Yes
Technical requirements met to pay out heat pump grant
Grants payment process
No
Technical requirements not met to pay out heat pump grant
Grant declined