

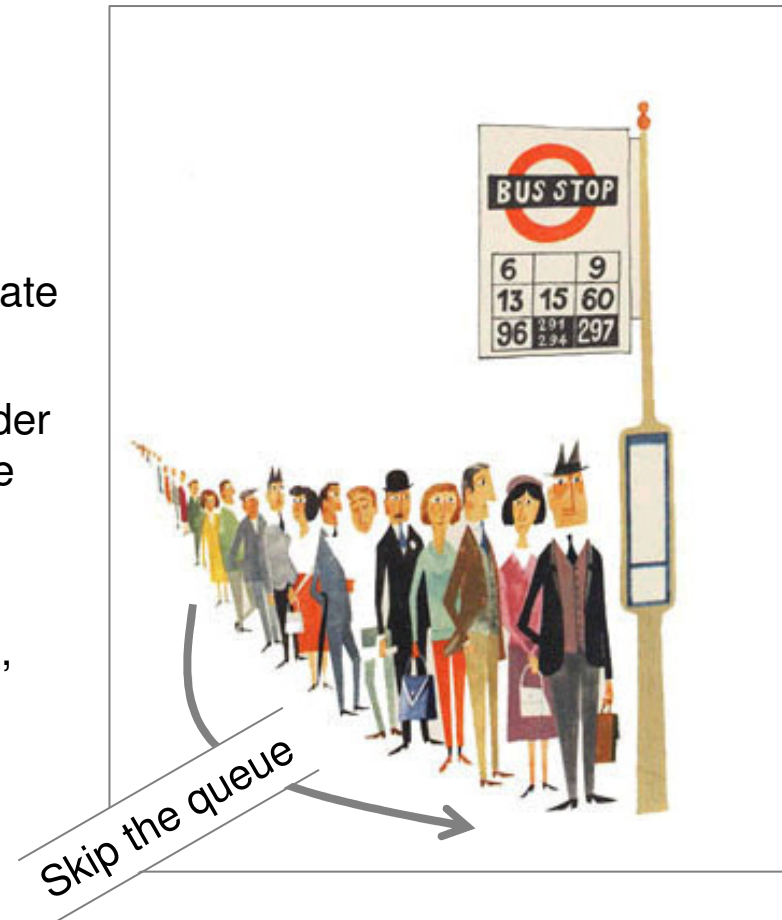
# DSO Non GPA Process

November 2010

Version 8

# What is the Non GPA process?

- Gate process (GPA) is most common way to connect renewable generators to the grid; applications are collected and processed in batches
- Besides that, there is the sequential or non Gate approach
- Connection offers are issued in sequential order according to the application deemed complete date of application, the Gate queue is thus skipped
- Non GPA process is subject to CER approval, certain types of generation are preapproved
- DSO offer usually within 90 business days



# Eligibility for Non GPA process

| Renewable - Wind  | Renewable – Non Wind*   |   | Conventional Projects  |  |
|---|---|---|--|--|
| All processed through GPA Process.<br><br><u>Exception:</u> new build wind projects with MEC less than or equal to 0.5 MW | Processed through non GPA Process – must fulfil public interest criteria. |   | Processed through non GPA Process  | Offers issued under the proposed Direction on Conventional Offer Issuance Criteria <sup>6</sup>  |
|   | =< 5 MW   | >5 MW   | =< 5 MW  | > 5MW  |
|   | Connection offers made without performing interaction** studies           | <p>Interaction studies are performed.</p> <p>If no interactions then connect</p> <p>If interactions exist then CER look at on a case-by-case basis</p> <p>If interactions exist then look at public interest benefits (e.g. Security of Supply) and the impacts of interaction on other applicant in the queue</p> <p>If CER approves then connect and if not approve then option to buy out interaction or remain in the GPA queue</p> | <p>Interaction studies are performed</p> <p>If no interactions are found to exist then they can proceed to be given a connection offer</p> <p>If interactions exist then the conventional project will remain in the queue</p> | <p><u>Exception:</u> Conventional autoproducers that are <u>not</u> in first 500MW tranche. These could be processed through the non GPA process</p> <p>Process allows for public interest criteria (e.g. Security of Supply) to move up the queue projects such as clean coal and includes high efficiency CHP.</p> |

\* Non Wind Renewable project is defined here as a renewable project that has a fuel source other than wind power. It is intended to be a short hand term to define those renewable projects other than wind renewable projects that are discussed in the document. Includes, biomass, hydro, high efficiency CHP, Autoproducers (renewable including wind)

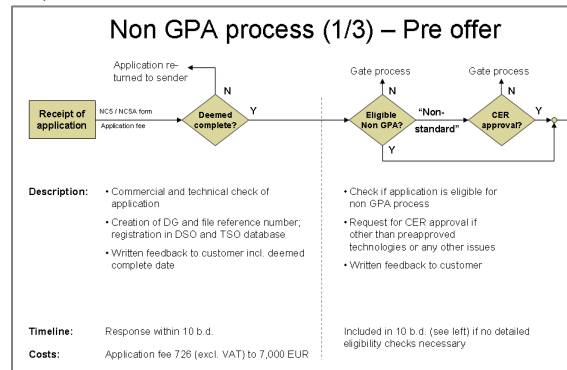
\*\* Interactions - two applications are deemed to be interacting if progressing an application outside the GPA, results in an additional cost being incurred by other applicants in the GPA queue. Interaction studies relate to the shallow connection.

Source: CER Decision Paper 09/099

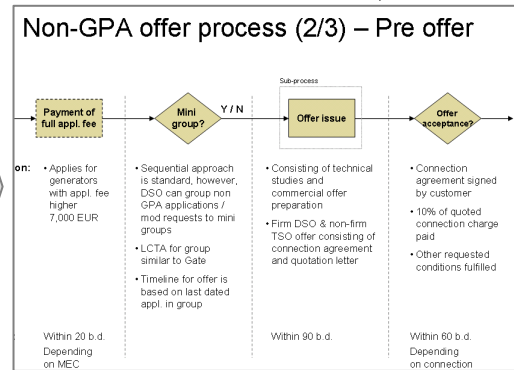
# Non GPA process – Overview

Please see the next four pages for details on the process for the connection of a Non GPA generator

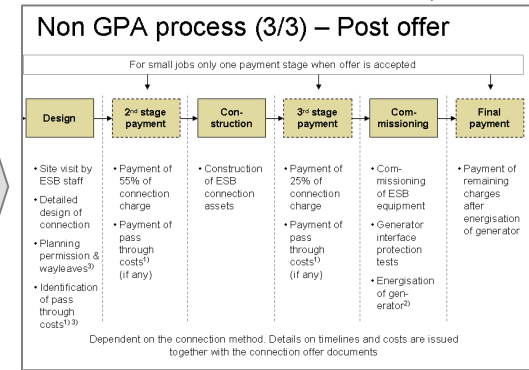
## Application



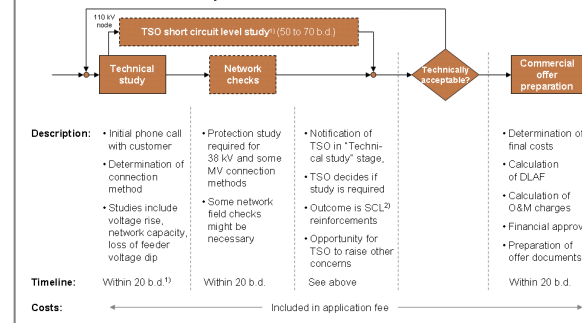
## Connection offer



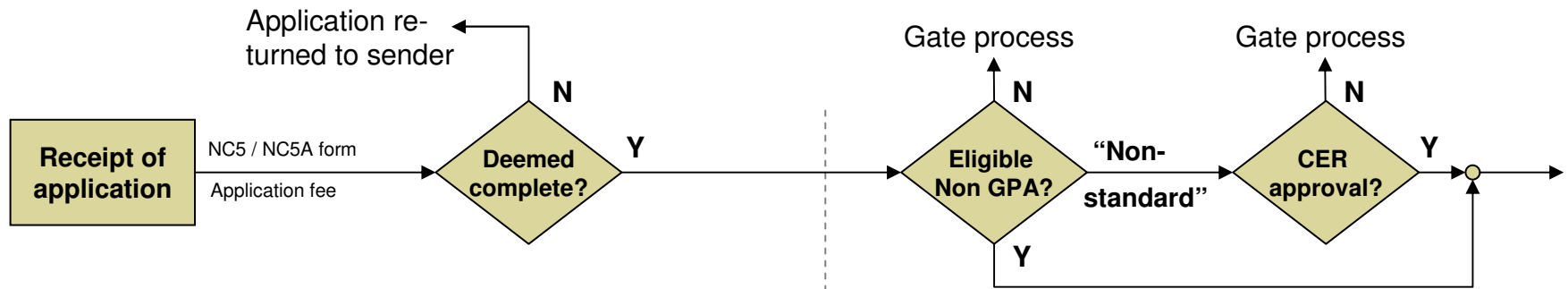
## Energisation



### Sub-process "Offer issue"



# Non GPA process (1/3) – Pre offer



- Description:**
- Commercial and technical check of application
  - Creation of DG and file reference number; registration in DSO and TSO database
  - Written feedback to customer incl. deemed complete date

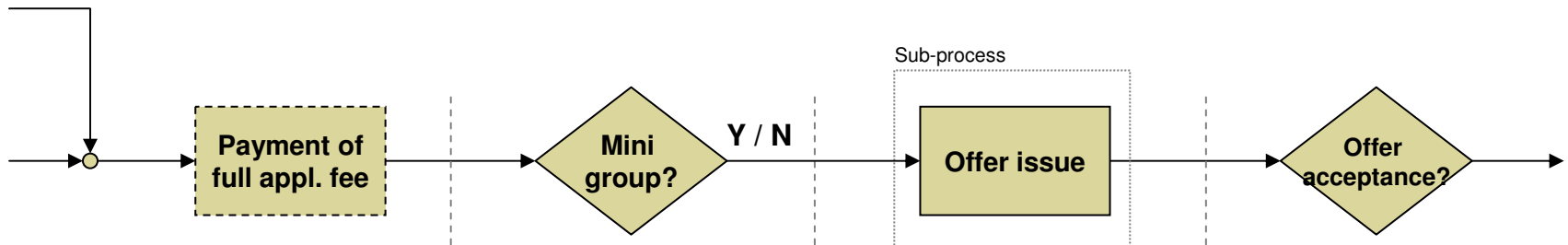
**Timeline:** Response within 10 b.d.

**Costs:** Application fee 726 (excl. VAT) to 7,000 EUR

- Check if application is eligible for non GPA process
- Request for CER approval if other than preapproved technologies or any other issues
- Written feedback to customer

Included in 10 b.d. (see left) if no detailed eligibility checks necessary

# Non GPA offer process (2/3) – Pre offer



**Description:**

- Applies for generators with appl. fee higher 7,000 EUR

- Sequential approach is standard, however, DSO can group non GPA applications / mod requests to mini groups
- LCTA for group similar to Gate
- Timeline for offer is based on last dated appl. in group

**Sub-process**

- Consisting of technical studies and commercial offer preparation
- Firm DSO & non-firm TSO offer consisting of connection agreement and quotation letter

- Connection agreement signed by customer
- 10% of quoted connection charge paid
- Other requested conditions fulfilled

**Timeline:** Within 20 b.d.

**Costs:** Depending on MEC

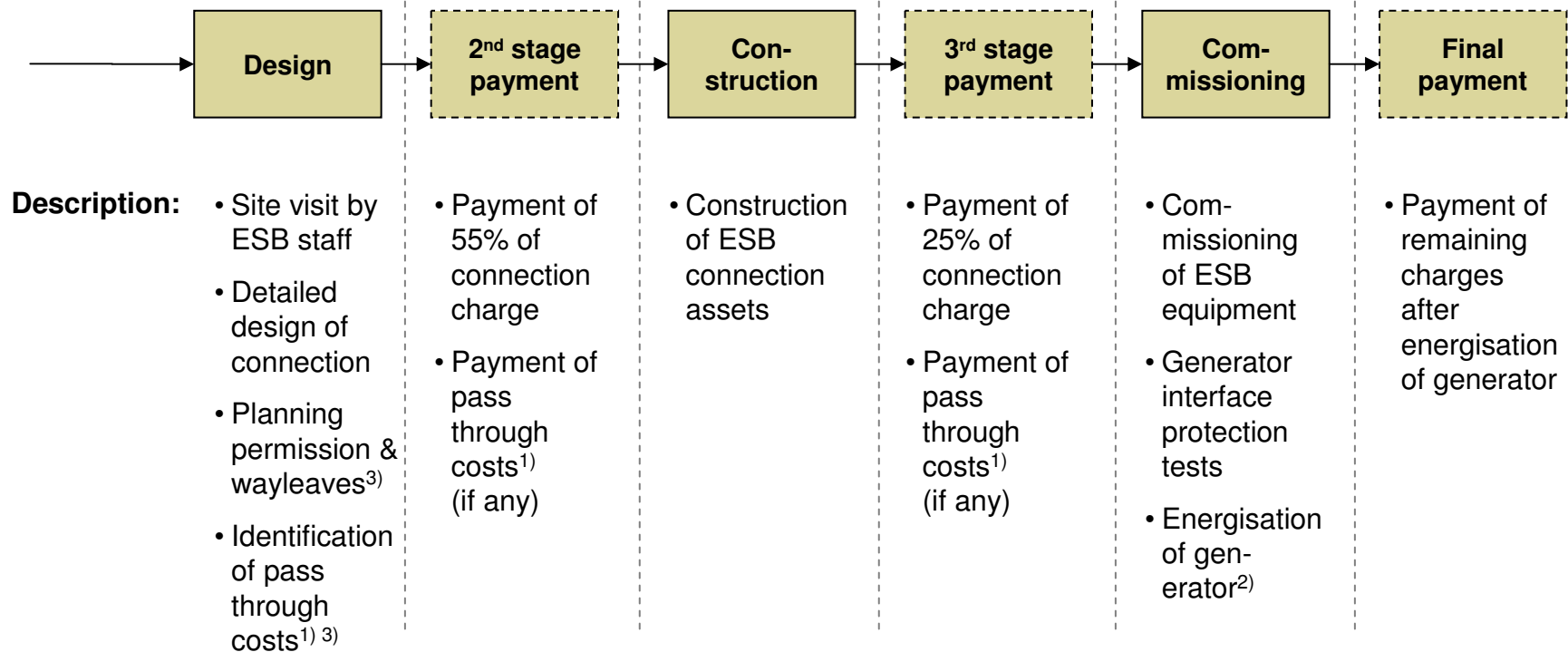
Within 90 b.d.

Within 60 b.d.

Depending on connection

# Non GPA process (3/3) – Post offer

For small jobs only one payment stage when offer is accepted



## Timeline & Costs:

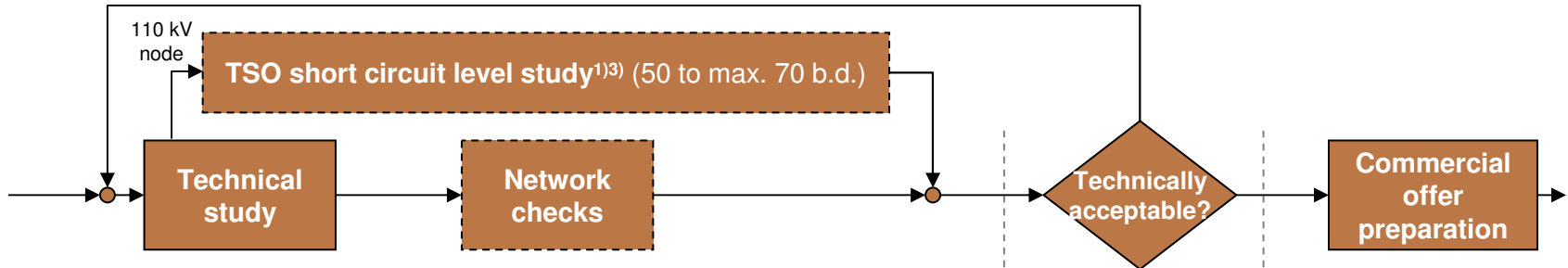
Dependent on the connection method. Details on timelines and costs are issued together with the connection offer documents

1) Costs which can only be identified at the Design stage (e.g. deforestation costs, add. costs for cable instead of overhead line)

2) Energisation date is also dependent on completion of TSO SCL reinforcements and outcome of TSO dynamic studies

3) Not always possible to finalize in Design phase

# Sub-process “Offer issue”



**Description:**

- Determination of connection method
- Studies include voltage rise, network capacity, loss of feeder voltage dip

- Protection study required for 38 kV and some MV connection methods
- Some network field checks might be necessary

- Notification of TSO in “Technical study” stage,
- TSO decides if study is required
- Outcome is SCL<sup>2)</sup> reinforcements
- Opportunity for TSO to raise other concerns

- Determination of final costs
- Calculation of DLAF
- Calculation of O&M charges
- Financial approval
- Preparation of offer documents

**Timeline:**

Within 20 b.d.<sup>1)</sup>

Within 20 b.d.

See above

Within 20 b.d.

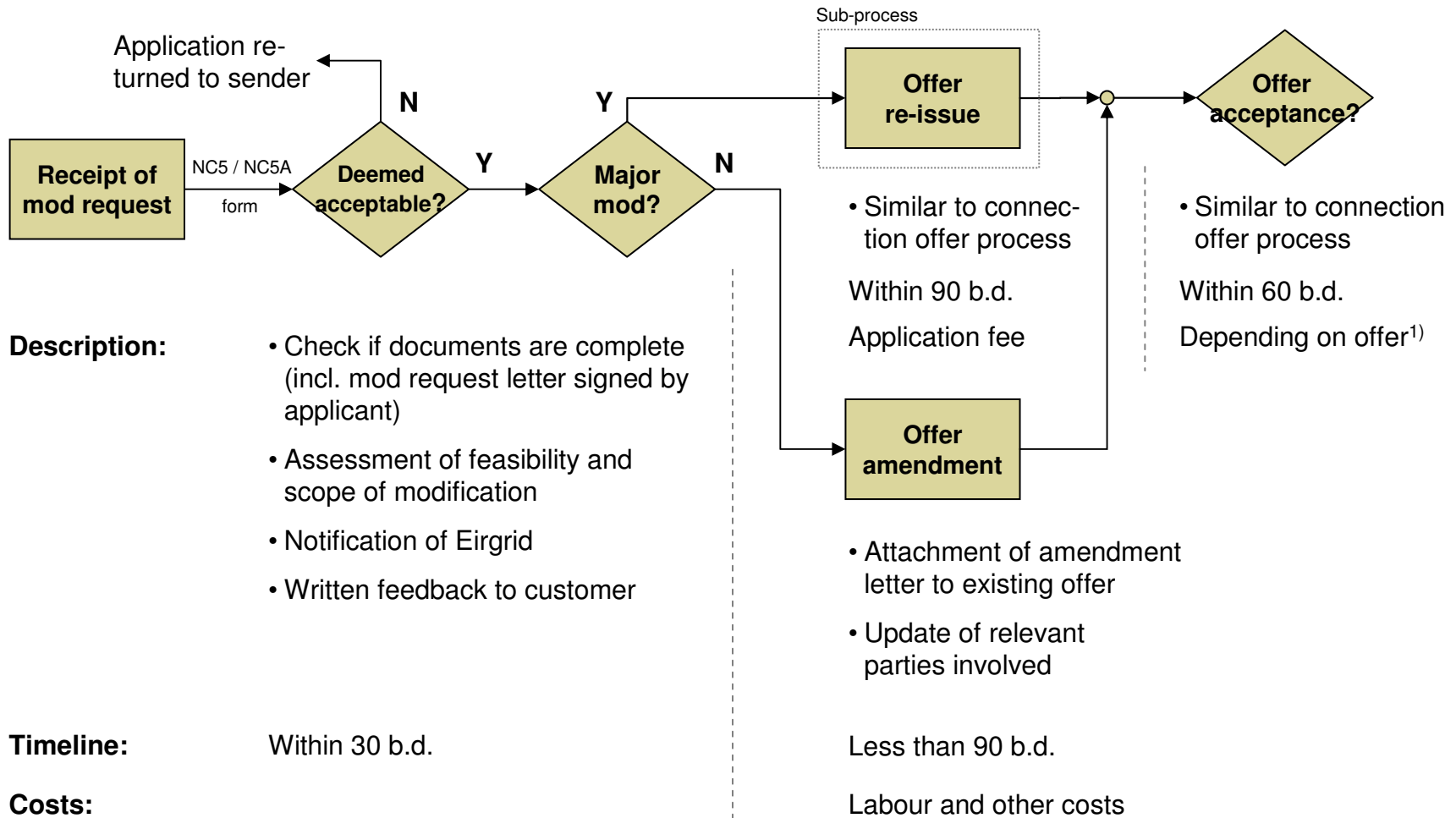
**Costs:**

← Included in application fee →

1) If either System Operator deem the circumstances of the connection method to be unusually complex, the technical study or the short circuit level studies stage can be extended by 20 b.d. 2) Short circuit level 3) For generators only with capacity > 500 kVA



# Non-GPA offer modification request process



1) To be set off against previous payments