



APPENDIX 1, PROJECT SPECIFICATIONS

for the Agreement regarding Kriegers Flak II Offshore Wind Farm.



TABLE OF CONTENT

1.	Introduction	2
1.1.	Structure of content	2
2.	Overall descriptions of the Project	3
2.1.	Concession area	3
2.2.	Grid connection	3
2.3.	Overplanting	5
2.4.	Power-to-X and direct lines	5
3.	Requirements	6
3.1.	Programme preparations	6
3.2.	Life Cycle Assessment	7
3.3.	Environmental Product Declaration	8
3.4.	Recyclable Turbine Blades	9

1. Introduction

This Appendix 1, (Project Specifications), contains overall descriptions of the Project concerning Kriegers Flak II Offshore Wind Farm, covered by the Agreement, as well as specific requirements in connection with the establishment of the Offshore Wind Farm.

1.1. Structure of content

The document is structured in two categories, described in the following.

As the first category, Section 2 provides the overall descriptions of the Project, in particular of the Concession Area and further regarding the possibilities for connection to the Grid, establishment of Overplanting Capacity and consuming or energy production facilities (e.g. PtX).

As the second category, Section 3 contains the specific requirements in connection with the establishment of the Offshore wind Farm, which the Concessionaire shall comply with under the Agreement.

It is accentuated that in addition to the requirements stated in the Agreement and this Appendix 1, (Project Specifications), the Concessionaire will be subject to further requirements stated in relevant approvals, licenses and permits, issued by relevant authorities pursuant to applicable Laws at any time. It is solely the responsibility of the Concessionaire to familiarise itself with any further requirements following from approvals, licenses and permits necessary for the intended project. The Concessionaire is furthermore solely responsible for obtaining all such necessary approvals, licenses and permits and to comply with any and all applicable Laws at any time (including future legislation) necessary for the establishment, operation and dismantling of the Offshore Wind Farm. The Concessionaire shall for its own account pay any costs and expenses to obtain such approvals, licenses and permits and to fulfil the terms thereof.



More detailed guidance regarding establishment of offshore wind farms in Denmark in relation to relevant legislation and relevant approvals, licenses and permits pertaining thereto, is to be found on the website of the DEA: <https://ens.dk/ansvarsomraader/vindmoeller-paa-hav/godkendelse-af-vedvarende-energi-anlaeg-paa-havet>. The DEA will continuously update the guidance uploaded to the website.

2. Overall descriptions of the Project

The Agreement concerns the establishment of the Project.

The figure below shows the location of the Concession Area of the Project, which is further described in Appendix 2, (Location of the Concession Area).

2.1. Concession area

The Concession Area covers the area set out by the coordinates stated in Appendix 2, (Location of the Concession Area).

No buffer zone will be established surrounding the Offshore Wind Farm to prevent wake loss effect.

The DEA encourages the Concessionaire to seek information about the location of both current and future offshore wind projects in the Danish Maritime Spatial Plan when planning the layout of the Offshore Wind Farm.

It is accentuated, that the relevant approvals, licenses and permits needed for the establishment of the Offshore Wind Farm, pursuant to relevant applicable Laws, will contain certain terms and conditions regarding the construction and operation of the Offshore Wind Farm within the Concession Area, e.g. due to marine environmental or maritime safety concerns.

2.2. Grid connection

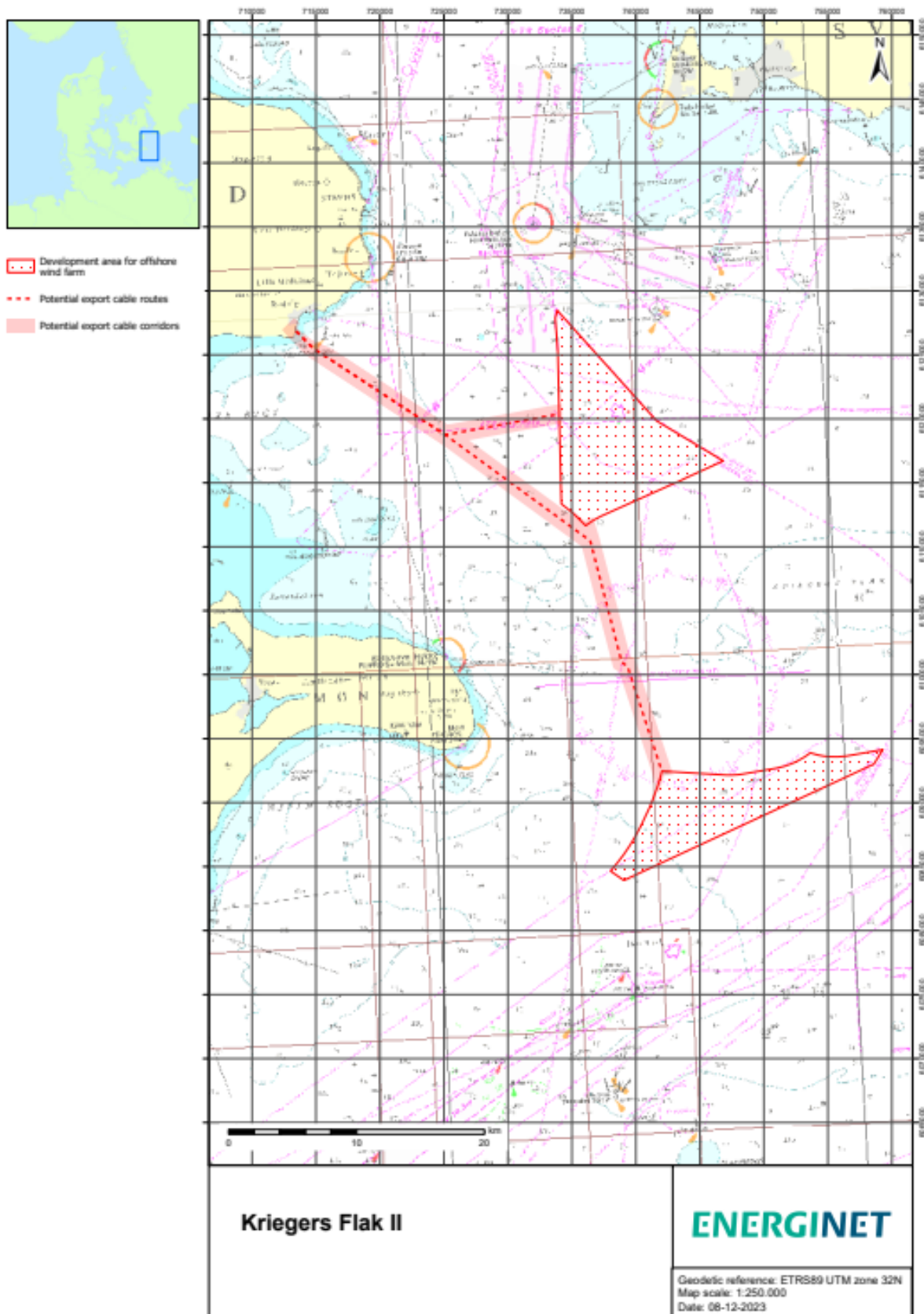
Connection of the Offshore Wind Farm to the Grid is optional for the Concessionaire under the Agreement.

If the Concessionaire chooses to connect the Offshore Wind Farm to the Grid, a Grid Connection Agreement between the Concessionaire and Energinet, is a prerequisite, cf. Sub-Clause 7.1.4 and 7.1.5 of the Concession Agreement, and the Concessionaire will have to enter into close collaboration with Energinet to ensure that the technical design of the Offshore Wind Farm regarding connection to the Grid can be approved by Energinet.

As regulated in the Grid Connection Agreement and within the time frame set out in Sub-Clause 7.1.4 of the Concession Agreement, Energinet will provide the POC for the Concessionaire to connect a production capacity of electricity in the amount of 1 GW or less to the Grid, according to how much production capacity of electricity the Concessionaire chooses to connect to the Grid.

The costs for construction of the POC will be financed as set out in the Grid Connection Agreement and its appendices.

Regarding the establishment of the Export Cable Network, the map below shows potential export cable corridors from the Concession Area to the POC. The potential corridors have been investigated as part of the offshore preliminary investigations performed by Energinet, pursuant to section 23, (3) of the RE Act.





2.3. Overplanting

As regulated in Sub-Clause 7.2 of the Concession Agreement, in addition to the Minimum Capacity, the Concessionaire may choose to establish Overplanting Capacity within the Concession Area.

There is in principle no upper limit to the Overplanting Capacity, which the Concessionaire may choose to establish within the Concession Area.

However, the result of the EIA both onshore and offshore set out the conditions for the exploitation of the Concession Area, hence potentially limiting the prospects of establishing Overplanting Capacity.

If the Concessionaire decides to establish Overplanting Capacity and connect the Overplanting Capacity to the POC without increasing the agreed upon exchange capacity according to the Grid Connection Agreement, the Concessionaire shall apply for this to Energinet and shall enter into an agreement with Energinet regarding the total capacity. Reference is made to the annexes to the Grid Connection Agreement regarding requirements in relation to connection of Overplanting Capacity to the POC.

2.4. Power-to-X and direct lines

As stated in Clause 9 of the Concession Agreement, the Agreement does not prevent the Concessionaire from exploiting the production capacity of electricity from the Offshore Wind Farm for energy production (e.g. Power-to-X), such as but not limited to innovative energy production, if this is otherwise possible within the applicable legislation.

As such, the Concessionaire may choose to establish consuming- or energy production facilities, such as Power-to-X facilities within the Concession Area, if this is otherwise possible within the applicable Laws, cf. also Sub-Clause 9.1.1 of the Concession Agreement. It is solely the responsibility of the Concessionaire to obtain and adhere to relevant approvals, licenses and permits, pursuant to applicable legislation, in order to connect consuming- or energy production facilities (e.g. Power-to-X) with the Offshore Wind Farm, in order to exploit the electricity produced by the Offshore Wind Farm, if relevant, prior to connecting to the POC of the Grid, in accordance with the applicable legislation.

As stated in Sub-Clause 9.1.2 of the Concession Agreement, the Concessionaire may choose to establish a direct line, with which to connect the Offshore Wind Farm with consuming- or energy production facilities (e.g. Power-to-X), if this is otherwise possible within applicable legislation and relevant approvals, licenses and permits, pursuant to applicable legislation.

Establishment of a direct line requires a permission to be granted by the DEA.

Certain criteria has to be fulfilled before permission to establish a direct line can be obtained, including a "distance criteria" which establish the maximum length of a direct line. The legislation related to direct lines enables the DEA to publish maps that indicate where the distance criteria is possibly fulfilled for the Offshore Wind Farm. The purpose of these maps is to inform the Concessionaire on where the consuming- or energy production facilities (e.g. Power-to-X), which are to consume electricity generated by the Offshore Wind Farm, can be placed. These maps are included in Appendix 1.1, (Indicative Maps Related to Direct Lines).

The maps mentioned above only indicates the distance criteria for direct lines, and thus to which areas the permission to establish direct lines can be granted by the DEA, provided that the other requirements under the applicable Laws are also fulfilled. Furthermore, it is accentuated, that in some of the indicated areas, it might not be possible to place consumption facilities due to other reasons and/or other regulation (e.g. due to the The Danish Zoning Act).



More information regarding establishment of direct lines can be found on the website of the DEA.

3. Requirements

3.1. Programme preparations

The following requirements concern the obligation for the Concessionaire to submit to the DEA a programme containing a plan for establishment of the Offshore Wind Farm.

Requirement no. 3.1.1

The Concessionaire shall as soon as possible, but no later than three (3) months after the Signing Date submit a programme to the DEA containing the proposed plan for reaching the completion milestones, cf. Sub-Clause 7.3.1 of the Concession Agreement.

A plan for establishment of Overplanting Capacity does not need to be provided initially, if the Concessionaire has not yet decided whether the Concessionaire intends to establish Overplanting Capacity, cf. Sub-Clause 7.2.2 of the Concession Agreement.

If the Concessionaire decides to establish the Overplanting Capacity, cf. Sub-Clause 7.2.2 of the Concession Agreement, after the proposed plan has been submitted to the DEA, the Concessionaire shall update the initial proposed plan with additional information regarding the establishment of the Overplanting Capacity.

With respect to the Offshore Wind Farm, the programme shall as a minimum state when the Concessionaire will:

- Commence the EIA for the Offshore Wind Farm
- Initiate a dialogue with Defence Command Denmark on radar and any mitigation measures,
- Submit the completed EIA report for the offshore part of the Offshore Wind Farm,
- Submit an application for the Construction License,
- Commence work relevant for Construction Start-Up,
- If relevant, commence work relevant for Construction Start-Up Overplanting,
- Submit an application for the Electricity Production License,
- If relevant, supply the first kWh from the first Turbine to the Grid,
- If relevant, supply the first kWh from the last Turbine to the Grid,
- If relevant, supply the first kWh from the first Turbine to direct consumption (e.g. PtX),
- If relevant, supply the first kWh from the last Turbine to direct consumption (e.g. PtX),

For the avoidance of doubt, the completion milestones, cf. Sub-Clause 7.3.1 of the Concession Agreement, are valid and binding regardless of the content of the programme submitted by the Concessionaire, pursuant to the provisions stated in this requirement. Delay damages will be imposed on the Concessionaire in accordance with Sub-Clause 14.1 and, if relevant, Sub-Clause 14.2 of the Concession Agreement only to the extent that the Concessionaire does not achieve one or more of the completion milestones set out in Sub-Clause 7.3.1 of the Concession Agreement.

Requirement no. 3.1.2

If the Concessionaire chooses to connect the Offshore Wind Farm to the Grid, the plan submitted by the Concessionaire shall also contain a programme containing a proposed plan, cf. Requirement no. 3.1.1, for collaboration with Energinet with respect to the establishment of the Onshore Cable Network.



Requirement no. 3.1.3

With respect to the Onshore Cable Network, the programme shall as a minimum state when the Concessionaire will:

- Initiate negotiations with relevant landowners,
- Commence construction of the Onshore Cable Network,
- Connect the Onshore Cable Network to the Point of Connection

For the avoidance of doubt, the completion milestones, cf. Sub-Clause 7.3.1 of the Concession Agreement, are valid and binding regardless of the content of the programme submitted by the Concessionaire, pursuant to the provisions stated in this requirement, and delay damages will be imposed on the Concessionaire in accordance with Sub-Clause 14.1 and, if relevant, Sub-Clause 14.2 of the Concession Agreement only to the extent that the Concessionaire does not achieve one or more of the completion milestones set out in Sub-Clause 7.3.1 of the Concession Agreement.

3.2. Life Cycle Assessment

The following requirement concern the obligation for the Concessionaire to develop and submit a life cycle assessment (LCA) to the DEA for the electricity produced from the Offshore Wind Farm.

Requirement no. 3.2.1

The Concessionaire shall prepare a LCA of electricity produced from the Offshore Wind Farm, i.e. the Minimum Capacity and, if relevant, the Overplanting Capacity, in accordance with the standard DS/EN 17472:2022 or equivalent.

The LCA shall include all lifecycle stages, equivalent to the modules A-D of the standard DS/EN 17472:2022, Preconstruction stage (A0), product stage (A1-A3), Construction process (A4-A5), use stage (B1-B8), end of life stage (C1-C4), benefits and loads beyond the system boundaries (D).

Assessments equivalent to “Economic Performance” and “Social Performance” of the standard DS/EN 17472:2022, shall not be included in the LCA.

The functional equivalent, used when preparing the LCA, shall be defined as one (1) kilowatt hour net of electricity produced and, if relevant, delivered to the POC, and/or, if relevant, delivered to a consuming facility (e.g. PtX), and based on a required service life of the Offshore Wind Farm of 30 years. For the avoidance of doubt, one (1) kilowatt hour net of electricity, as stated above, means that electricity used and/or lost within the Offshore Wind Farm shall be subtracted from the amount of kilowatt hour produced.

If the Concessionaire takes into account potential significant changes to the Offshore Wind Farm, which will require prior approval pursuant to section 25, 1) of the RE Act, when preparing the LCA, the Concessionaire shall further consider if the end-of-life scenario is affected by these significant changes.

Requirement no. 3.2.2

The LCA of electricity produced by the Offshore Wind Farm, cf. Requirement no. 3.2.1., shall be third-party verified in accordance with the standard CEN ISO/TS 14071:2016 or equivalent. A declaration equivalent to Annex B in CEN ISO/TS 14071:2016 shall be used for the third-party verification.

Requirement no. 3.2.3

The Concessionaire shall submit the LCA report of electricity produced by the Offshore Wind Farm, cf. Requirement no. 3.2.1, and the documentation of the third-party verification, cf. Requirement no. 3.2.2, to the DEA in accordance with Sub-Clause 7.5.2.1 of the Concession Agreement regarding Minimum Capacity and,



if relevant, in accordance with Sub-Clause 7.5.2.2 of the Concession Agreement regarding Overplanting Capacity, of the Concession Agreement.

The Concessionaire can choose to submit the abovementioned documentation for the LCA regarding Overplanting Capacity together with the abovementioned documentation for the LCA regarding the Minimum Capacity.

If significant changes are made to the Offshore Wind Farm, which requires prior permission pursuant to section 25, 1) of the Re Act, and these significant changes were not taken into account in the initially submitted LCA, cf. Requirement no. 3.2.1, the Concessionaire shall develop and submit a new LCA of electricity produced by the Offshore Wind Farm, in accordance with the Requirement no. 3.2.1 and Requirement no. 3.2.3, only upon request from the DEA and within a reasonable deadline set by the DEA as stated in Sub-Clause 7.5.2.3 of the Concession Agreement.

3.3. Environmental Product Declaration

The following requirement concern the obligation for the Concessionaire to submit environmental product specifications (EPD) to the DEA over central components of the Offshore Wind Farm.

Requirement no. 3.3.1

The Concessionaire shall document the environmental performance of the central components of the Offshore Wind Farm with environmental product declarations (EPD) for these components, which are in accordance with the standard DS/EN 15804:2012+A2:2019 and DS/EN 15804:2012+A2/AC 2021, or equivalent.

The central components consist of the Turbine, transition piece, foundation of the Turbines, cables of the Inter-Array Cable Network, including any offshore substations, the Export Cable Network and the Onshore Cable Network, including any onshore substations. The EPD of the Turbine, shall include the central components of the Turbine, including the Blades, hub, main shaft, generator, nacelle, tower, gearbox, if any, and control system.

The definition of central components in this requirement, which is stated above, is exhaustive.

The EPD's for the central components shall at least declare the lifecycle stages of cradle to gate, equivalent to the modules C1-C4 and module D, hereunder A1-A3, C and D of the standard DS/EN 15804:2012+A2:2019 and DS/EN 15804:2012+A2/AC 2021.

Regarding acceptable exclusion of data when developing the EPD's for the central components, the attention is drawn to the specifications stated in the standard DS/EN 15804:2012+A2:2019 and DS/EN 15804:2012+A2/AC 2021.

Requirement no. 3.3.2

The EPD's for the central components cf. Requirement no. 3.3.1, shall be third-party verified in accordance with the standard DS/EN 15804:2012+A2:2019 and DS/EN 15804:2012+A2/AC 2021, or equivalent.

Requirement no. 3.3.3

The Concessionaire shall submit the EPD's for the central components, cf. Requirement no. 3.3.1, and the documentation of the third-party verification, cf. Requirement, to the DEA in accordance with Sub-Clause 7.5.3.2 of the Concession Agreement.

Requirement no. 3.3.4

Only upon request from the DEA, and only if significant changes are made to the Offshore Wind Farm, which requires prior approval from the DEA pursuant to section 25 (1) of the RE Act, the Concessionaire shall be



required to review and verify the EPD's regarding central components, cf. Requirement no. 3.3.1, replaced in connection with significant changes to the Offshore Wind Farm, and/or shall submit new EPD's for new central components introduced and installed in the Offshore Wind Farm, hereunder when new central components are installed in relation to Overplanting Capacity. New or verified EPD's shall comply with the Requirement no. 3.3.1 and Requirement no. 3.3.2 above.

In case the Concessionaire shall review and verify the EPD's for central components, reference is made to the specifications in section 9 of standard DS/EN 15804:2012+A2:2019 and DS/EN 15804:2012+A2/AC 2021.

The Concessionaire is not required to submit reviewed and verified EPD's after expiry of the EPD's.

3.4. Recyclable Turbine Blades

The following requirements concern the recyclability of the Blades used for the Turbines ("Turbine Blades") of the Offshore Wind Farm.

It is accentuated that the Concessionaire is not required to recycle the Turbine Blades using a specific method, technology or rate of recycling at the time of decommissioning. Hence these requirements only regard the potential for recycling of the Turbine Blades.

Requirement no. 3.4.1

In connection with the establishment of the Offshore Wind Farm, the Concessionaire shall use Turbine Blades, where a recyclability rate of at least 70 %, cf. Requirement, can be achieved through the use of a recycling process and a recycling technology, cf. Requirement

This means that at least 70 % of the materials of the Turbine Blades shall be recyclable, through the use of a recycling process and a recycling technology at the time of decommissioning of the Turbine Blades. The required 70% recyclability rate shall be calculated by weight, for the original purpose or other purposes where the separated materials are utilized, cf. Requirement no. 3.4.2.

Requirement no. 3.4.2

The recyclability rate of the Turbine Blades, pursuant to Requirement no. 3.4.1, shall be calculated in accordance with the standard DS/EN 45555:2019 or equivalent, based on the type of Turbine Blades, which the Concessionaire intends to use at all times in the Offshore Wind Farm.

In case the efficiency of treatment steps of the recycling process and/or the recycling technology are unknown, a factor of zero (0) shall be used for these treatment steps in the calculation of the recyclability rate.

If materials such as oils, which are derived from the Turbine Blades through a recycling process and/or a recycling technology, can be used for production of new products, these materials can be included as recyclable materials in the calculation of the recyclability rate of the Turbine Blades. Energy recovery and backfilling operations are not to be included in the calculation of the recyclability rate of the Turbine Blades.

When calculating the recyclability rate in accordance with the standard DS/EN 45555:2019 or equivalent, the recycling technology shall be at least of technology readiness level (TRL), as stated in Requirement no. 3.4.4, and not a high TRL as described in the standard DS/EN 45555:2019, section 5.3, table 1.

Requirement no. 3.4.3

In order to achieve a recyclability rate, cf. Requirement no. 3.4.1, the Concessionaire shall be able to use a recycling process and a recycling technology for the recycling of the Turbine Blades, where the composite

material and other material components, which the Turbine Blades consist of, shall be separable into fibers and other original material types, such as but not limited to resins, polymers, woods, and metals.

Requirement no. 3.4.4

Compliance with the requirement on recycling process and recycling technology, cf. Requirement, and the requirement of the recyclability rate of the Turbine Blades, which the Concessionaire intends to use in the Offshore Wind Farm, cf. Requirement, shall be verified through environmental technology verification (ETV) in accordance with the standard ISO 14304:2016 or equivalent.

The ETV verification, pursuant to ISO 14304:2016 or equivalent, shall confirm that the recycling process, from decommissioning of the Turbine Blades, and the recycling technology, is able to separate composite material and other material components included in the Turbine Blades into fibers and other original materials, cf. Requirement, reaching the required recyclability rate, cf. Requirement no. 3.4.1.

It is accentuated that in order to acquire the abovementioned ETV verification, pursuant to the standard ISO 14304:2016 or equivalent, the recycling technology, cf. Requirement, used for the calculation of recyclability rate, Requirement, shall be evaluated by the ETV-body performing the ETV as at least of a TRL as stated in the following table¹:

TRL	Definition	Description	Supporting Information
6	Prototype System	The components and the process have been up scaled to prove the industrial potential and its integration within the complete system. Most of the issues identified earlier have been resolved. Full commercial scale system has been identified and modelled. LCA and economic assessments have been refined.	Results from laboratory testing of a prototype system that is near the desired configuration in terms of performance, weight, and volume. How did the test environment differ from the operational environment? Who performed the tests? How did the test compare with expectations? What problems, if any, were encountered? What are/were the plans, options, or actions to resolve problems before moving to the next level?

The Concessionaire shall submit documentation to the DEA for the abovementioned ETV verification, pursuant to the standard ISO 14304:2016 or equivalent, in accordance with the deadline, as stated in Sub-Clause 7.5.4.2 of the Concession Agreement, after which the DEA can verify compliance with the requirement on recycling process and recycling technology, cf. Requirement no. 3.4.3, and the requirement of the recyclability rate, cf. Requirement.

Requirement no. 3.4.5

If the Concessionaire, during the course of the Agreement, should choose to use a different type of Turbine Blade for the Overplanting Capacity and/or should choose to replace any Turbine Blades with a different type of Turbine Blades than initially covered by the documentation, pursuant to Requirement no. 3.4.4, the Concessionaire shall provide the DEA with necessary documentation for the ETV verification regarding the

¹ Reference to the Report EUR 26658, "Guidelines for the eligibility assessment of technologies proposed to the EU-ETV scheme", Guidance document 003/2014-04-23, Adopted 23rd April 2014, Version 1.1 approved 20th of November 2014, Ana Barbosa Lanham (JRC), Ronald Piers de Raveschoot (JRC), Jean-Pierre Schosger (JRC), Pierre Henry (DG ENV), which is available through the official website of the European Union.



different type of Turbine Blades used in the Offshore Wind Farm, in accordance with the requirements stated in this section 3.5, Requirement no. 3.4.4, in order for the DEA to verify the compliance with these requirements. Deadline for submission of such documentation shall be determined in accordance with Sub-Clause 7.5.4.6 of the Concession Agreement.

The Turbine Blades are considered a different type of Turbine Blades if a material constituting more than 30 % of the total weight of the Turbine Blades varies with more than 5% by weight. A material varies if exchanged with different materials or with different material types. For example, a material can be epoxy resin or steel, while material types can be epoxy resins with various compositions of monomers and polymers or steels with various metal compositions.