

CERTIFICATION GAME



CERTIFICATION GAME INSTRUCTIONS

Goal

Work together as a team to rebuild the offshore renewable technology certification process.

By the end, your group should have:

- The correct order of **certification steps**
- The matching **IEC Technical Specifications** for each step
- The expected end product (**Conformity Statement or Test Report**) for each step

Materials

- **Certification Step Cards** (from Technology Qualification (TQ) to Type Testing)
- **IEC Technical Specification Cards**
- **End Product Cards** (Conformity Statements or Test Reports)
- Board or table to arrange the cards vertically

LET'S PLAY

1. Order the Certification Steps

- Place the Certification Step cards vertically in the correct sequence.
- Start with Technology Qualification (TQ) and finish with Type Testing.

2. Assign IEC Technical Specifications

- Review the Technical Specification cards.
- For each step, select the specification(s) that apply.
- Place them next to the matching step card.

3. Match the End Product

- Decide whether each step produces a Conformity Statement or a Test Report or both
- Place the correct End Product card at the end of the step.

4. Review & discuss

- Check your group's full sequence.
- Be ready to explain:
 - *why you chose a certain Technical Specification*
 - *why the selected end product fits this step*

5. Facilitator feedback

- The facilitator will compare your sequence with the official certification process and will highlight what you got right and where adjustments are needed.

Interreg

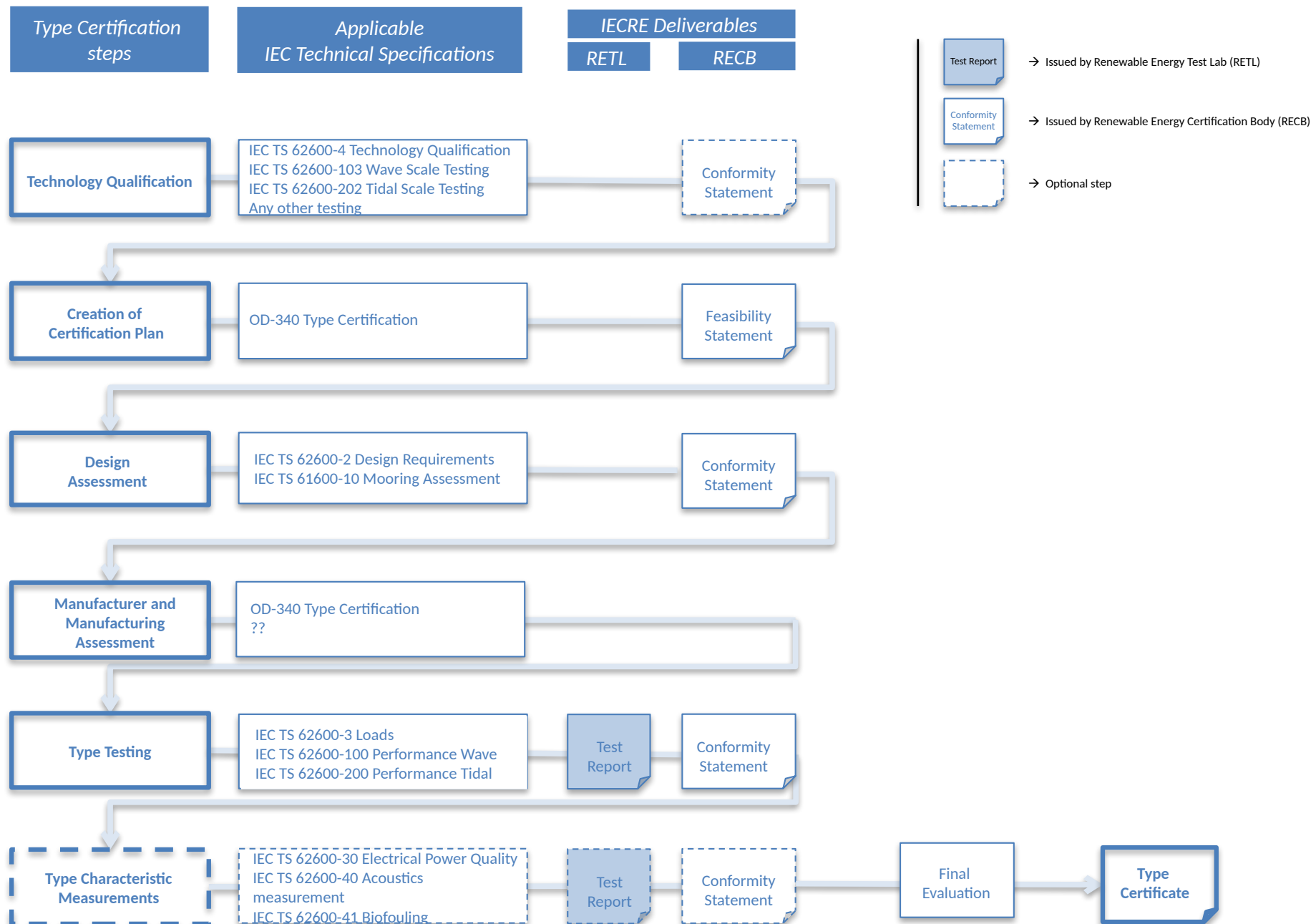


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Offshore Proof

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TECHNOLOGY QUALIFICATION



CREATION OF CERTIFICATION PLAN



DESIGN ASSESSMENT



MANUFACTURER AND MANUFACTURING ASSESSMENT



TYPE TESTING





TYPE CHARACTERISTIC MEASUREMENTS



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-2

Design requirements

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-10

Mooring assessment - MECs

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-3

Measurement of mechanical loads

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-4

Technology qualification

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-30

Electrical power quality requirements

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-40

Acoustics measurement

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-100

Power performance assessment - wave

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-200

Power performance assessment - tidal

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-103

Guidelines for early stage development of wave energy converters

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-202

Guidelines for early stage development of tidal energy converters

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



MARINE ENERGY

Wave, tidal and other water current converters

OPERATIONAL DOCUMENT

IECRE OD 340

Type certification

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



Manufacturer

ISO 9001 CERTIFICATES

Quality management systems



MARINE ENERGY

Wave, tidal and other water current converters

IEC TS 62600-41

Measurement and characterization of biofouling accumulation

Technical specifications

INTERNATIONAL ELECTROTECHNICAL COMMISSION



CONFORMITY STATEMENT





FEASIBILITY STATEMENT





TEST REPORT





TYPE CERTIFICATE



Final evaluation



Certification game

