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Measuring-Network for Wind Energy

International Network
for harmonised and
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Measurements in the
Wind Energy Industry

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Proficiency Testing Within IECRE system

➔ Proficiency Testing is a service that Measnet provides to its customers.

➔ The Council of Members decided that Proficiency Testing would be performed according to IECRE rules.

➔ A LOI was signed between Measnet and IECRE.

➔ IECRE issued an Operational Document named OD-551-17.

Proficiency Testing as a service: Professionalism

➔ IECRE collaboration means:

➔ Timeframe is fixed

➔ Measnet is constantly controlled & supervised

➔ Results must be clear: conclusions must be drawn

➔ Lots of paperwork

How to achieve professional results:

- ➔ Clear responsibilities
- ➔ Paid work
- ➔ Procedures
  - ➔ Under development
- ➔ Registries and reports

Quality System

Clear responsibilities:

Three roles will take the main workload

➔ Measnet Secretariat

➔ Measnet Technical assessor

➔ Proficiency Testing Coordinator

Clear responsibilities: Measnet Technical Advisor

- ➔ Organization advice regarding:
  - ➔ Content & Interpretation of IECRE O.D.
  - ➔ IECRE System
- ➔ Technical support regarding the Statistical evaluation
- ➔ Liaision between IECRE & Measnet:
  - ➔ Formatting and getting documents approved
  - ➔ Reporting to IECRE on behalf Measnet

Clear responsibilities:
Proficiency Test Technical Coordinator

- ➔ Role responsibilities defined by OD-551-17 § 5.1.3
- ➔ Technical Manager of the PT:
  - ➔ Creates the instructions for the PT
  - ➔ Provides databases
  - ➔ Analyzes blind results and creates reports
  - ➔ Leads discussions between rounds

Paid work:

This concept is in conflict with the traditional way the Expert groups have been working

It is key that the main tasks are assigned to some individual

Collaboration from the Expert Groups is not only desirable, it is necessary

➔ The role of Expert Group Leader is Key in this process

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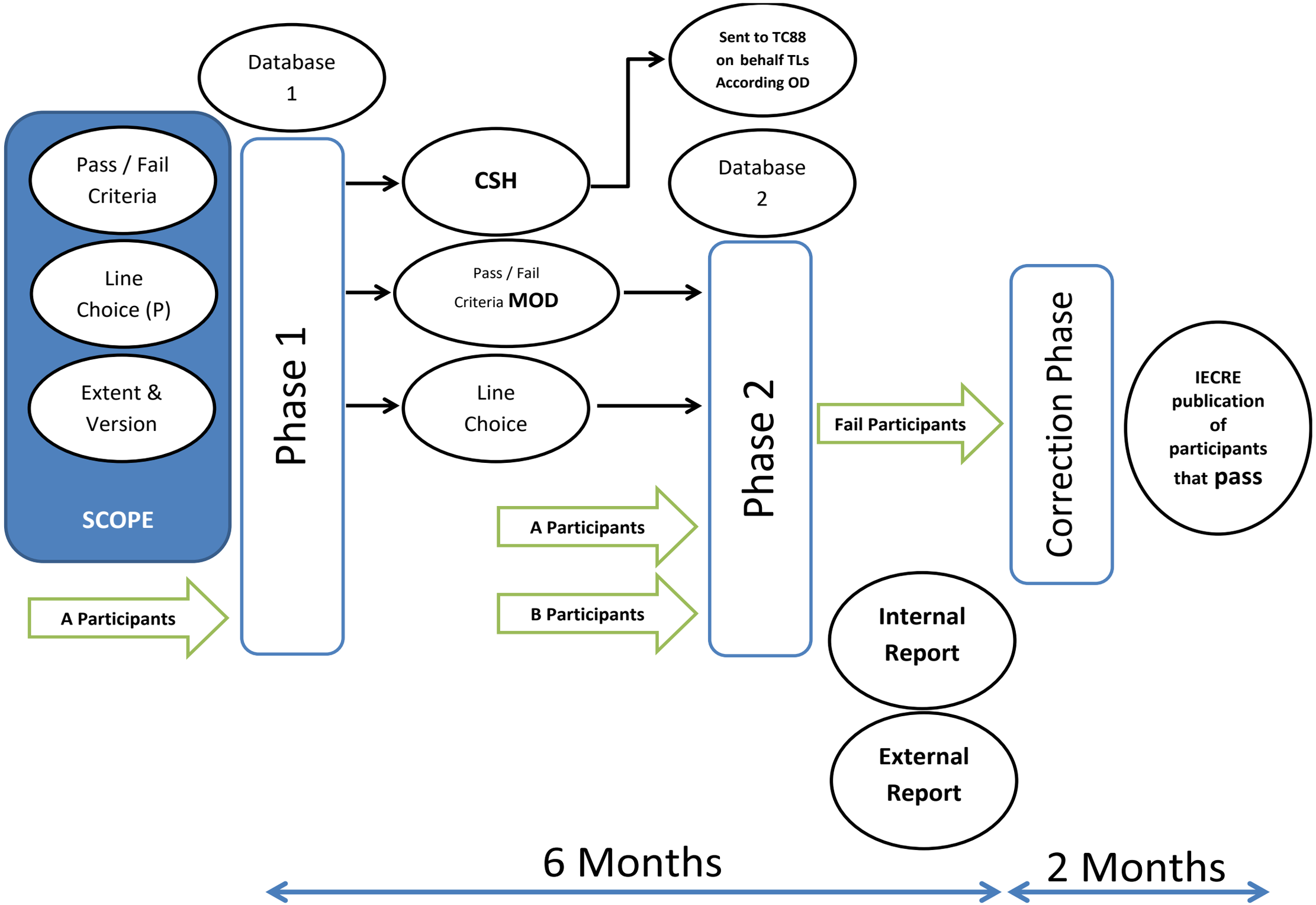
Questions regarding the roles

Procedure:

The basic procedure is IECRE OD-551-17

Its implementation and the Measnet internal documents are under construction.


Database 1
Pass / Fail Criteria
Line Choice (P)
Extent & Version
SCOPE
A Participants
Phase 1
CSH
Sent to TC88 on behalf TLs According OD
Database 2
Pass / Fail Criteria MOD
Line Choice
A Participants
B Participants
Phase 2
Fail Participants
Correction Phase
IECRE publication of participants that pass
Internal Report
External Report
6 Months
2 Months

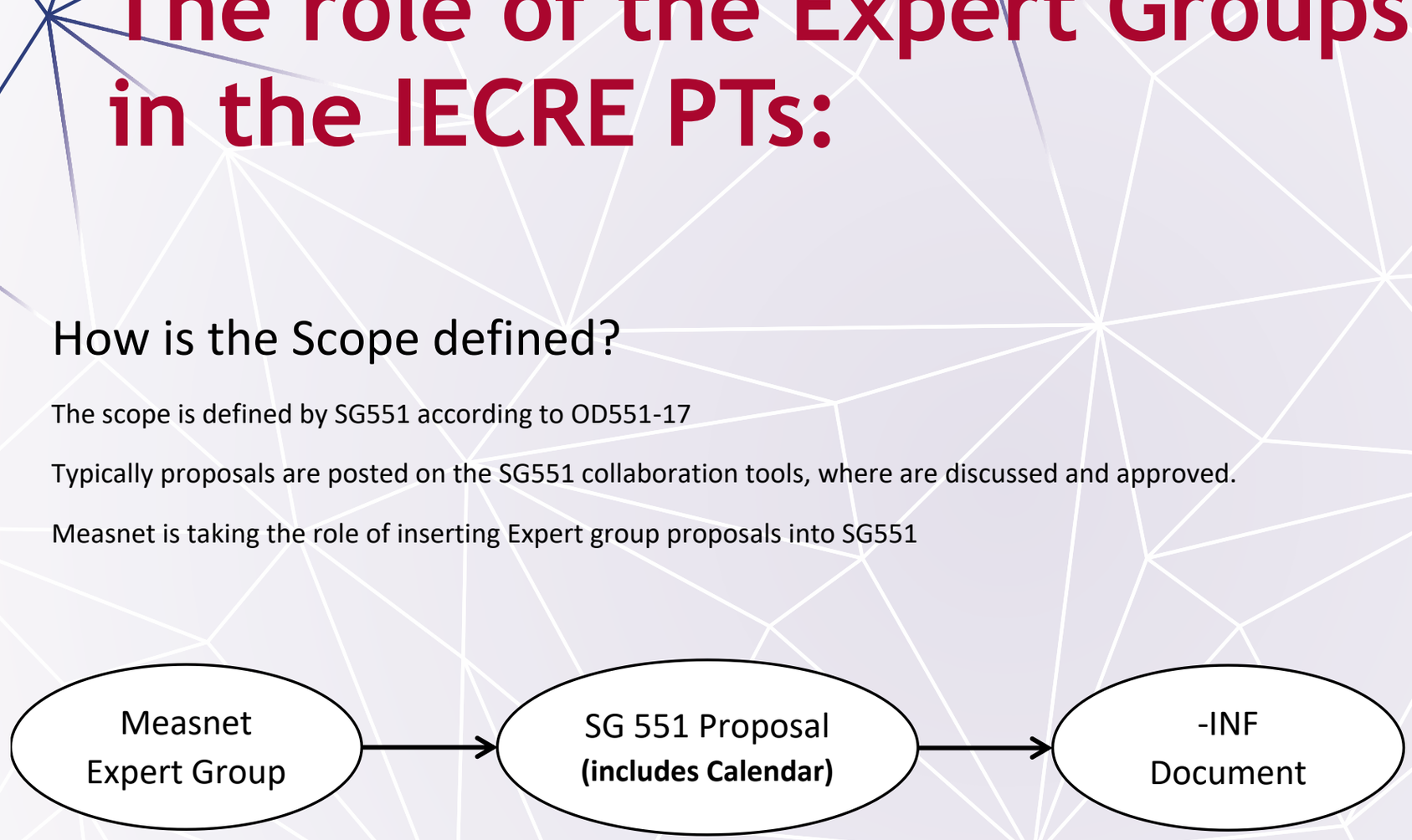
The role of the Expert Groups in the IECRE PTs:

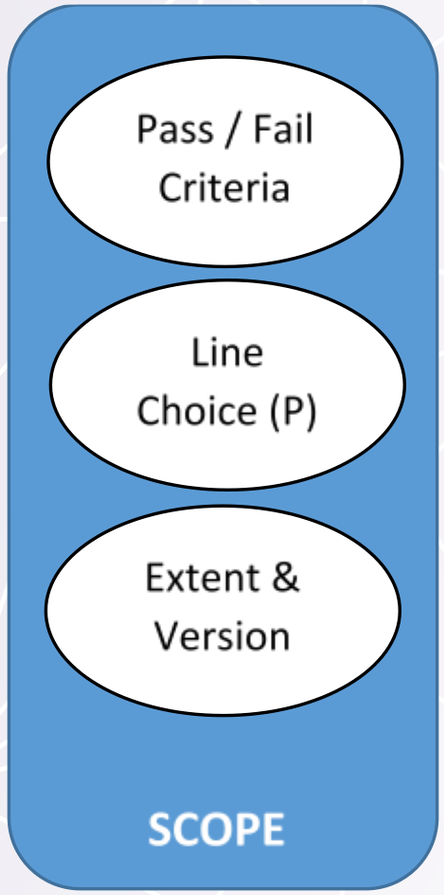
How is the Scope defined?

The scope is defined by SG551 according to OD551-17

Typically proposals are posted on the SG551 collaboration tools, where are discussed and approved.

Measnet is taking the role of inserting Expert group proposals into SG551





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Questions regarding the procedure & Expert Groups

Registries & Reports:

Due to the liaison with IECRE documentation has become essential

- ➔ Pass & Fail proposal from the Expert Group
- ➔ PT Scope Proposal
- ➔ -INF document for IECRE
- ➔ Quarterly reports for IECRE
- ➔ PT Reports
  - ➔ Internal
  - ➔ External
  - ➔ Participant report

Key Misunderstandings:

- ➔ Pass & Fail criteria
  - ➔ Are approved by SG551 in IECRE
  - ➔ Are defined before the PT starts
  - ➔ Should not change between Round 1 & 2
- ➔ PT Technical Coordinator
  - ➔ Is elected among type A participants
  - ➔ Therefore is elected <u>at the first PT meeting</u>

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Conversation Street

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Thanks for listening!

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