



APPENDIX 2 – PROJECT DESCRIPTION

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1. Background for the assignment

Based on the implementation of a number of pan-European rules, the Customer needs a test manager, with knowledge of the Nordic electrical system and especially SDAC test processes.

The test manager is part of the Nordic Regional Coordination Center (NRCC)'s NEMO program. The NEMO program will focus on the three current implementations: Flow based implementation, 15 min MTU and CCR Hansa.

Nordic RCC acts on behalf of the four Nordic TSOs, Statnett SF, Affärsverket Svenska Kraftnät, Energinet and Fingrid Oyj.

2. Description of the assignment

A test manager for the NEMO program is needed to support the test phases of the three projects in the program. The test manager will lead the test task forces in Flow based implementation, 15 min MTU and CCR Hansa. The test phases will be arranged as tests with FIT, SIT, SDAC/SIDC and member tests conducted by the test manager. This is needed to ensure proper quality and confidence on the implementation.

The amount of work and needed experience with this kind of test requires a skilled test manager with extensive knowledge on SDAC and SIDC test processes.

The Test manager will:

- Create the master test plans for all projects in the program
- Coordinate with SDAC and SIDC
- Conduct the tests within the test taskforces
- Report the results
- Coordinate test planning and execution with the Nordic stakeholders
- Support the overall coordination of the test effort needed by all parties on the Nordic implementations.

The required competencies are described in clause 4.

3. Scope of assignment

Test Support is required from signing the Contract Agreement to October 2023 where the Flow Based implementation is scheduled to go into production and will need extensive testing and error detection.

Estimate of project hours

- 1200 hours estimated
- Can vary with up to 50% in both upwards and downwards direction.

Work location

The work will take place remotely and from the Nordic RCC's office in Copenhagen.

4. Requirements – Competencies:

No.	Requirement	Fulfilment (Describe how the offered test-manager fulfils the requirement)
1	<p>Experience with test management and specifically in the Nordic energy sector:</p> <ul style="list-style-type: none"> • Be well-versed in software functional testing practices, providing test expertise in the development of test processes. • Ability to perform all types of technical tests (e.g., Smoke test, System and integration, regression, etc.) when relevant. • Ability to perform and assist in performing functional tests (e.g., User acceptance testing phases, Trial, etc.). • Ability to define testcases based on Requirements including: <ul style="list-style-type: none"> ○ Scripts for functional tests ○ Runbooks for procedural tests • Ability to breakdown requirements and design specifications into tests steps. • Ability to document functional, regression, and acceptance testing procedures and results. • Ability to participate in the defect life cycle by ensuring tracking of the defects, providing comprehensive information for the investigation, perform re-testing and coordinate with the supplier when relevant for the conclusion. • Experience in a similar role in multi-stakeholder projects, where parties have conflicting interests. • Plan resources (involved and affected parties, environments) and tasks on the timeline, coordinate testing efforts of the team and align them with the project plan. • Drafting and executing of Master Test Plan (roles, responsibilities, deliverables, reporting, etc.) 	
2	<p>Experience with similar assignments in the Nordic energy sector, e.g., Experience in working with:</p> <ul style="list-style-type: none"> • Joint TSOs and NEMOs projects • Familiarity with NordReg, TSO Wholesale Group, ENTSO-E and RCCs • Participation or contribution in Hansa CCR organization 	
3	<p>Expertise with European regulation, in particular:</p> <ul style="list-style-type: none"> • CACM • Flow-Based methodology 	
4	<p>Significant experience in developing and coordinating test plans for day ahead market coupling (SDAC), the XBID (SIDC) related to various parallel running Nordic implementation.</p>	
5	<p>Understanding SDAC (and SIDC) governance, testing obligations, and the latest status of topics that are relevant for:</p> <ul style="list-style-type: none"> • Nordic Flow Based • Nordic 15 min MTU implementation • Hansa phase 2 including involvement of RCCs 	

5. Contact details

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