

March 5, 2004

NEMA 8EI-1
Scott Weikel, Chairman
Elster Electricity
208 S. Rogers Lane
Raleigh, NC 27610

SUBJECT: PROPOSAL FOR THE CREATION OF A C12.19/C12.22 REGISTRY

Dear Mr. Weinkel:

This letter is Future DOS R&D Inc. (FDOS) response to the questions that were submitted by NEMA 8EI-1 Technical Committee on December 15, 2003. We structured our response in a manner that exposes the original question and then provides an answer or clarification on the subject matter. We hope you find it agreeable.

NEMA: *Will there be a contract between NEMA and the organization that implements and maintains the registry?*

FDOS: Yes. However, we expect to have an agreement signed between NEMA and FDOS rather than a contract. FDOS signs contracts for the purpose of performing development work for our paying clients. If NEMA desires to sponsor (i.e. pay) for the work in part or in total for the development of the Registry technology then FDOS shall sign a contract with NEMA for the work. Regardless whether NEMA has a contract with FDOS or not, FDOS shall need to sign an agreement with NEMA that covers the relation and rules of engagement between FDOS (the service provider and operator of the Registry) and NEMA (the overseeing and Standards regulatory agency). Also this agreement may include IEEE and Measurement Canada's if they wish to participate.

NEMA: *Are there any other organizations outside of NEMA, IEEE, Measurement Canada and Future DOS Research & Development that have been solicited for input to the proposal?*

FDOS: NEMA, IEEE, Measurement Canada have been given first right to contribute exclusively or in part towards the development of the Registry, thus acquiring a share in the intellectual property. The contribution sought was in part access to the NEMA registered Root ApTitle and Root Device Class Title (at no additional cost proposition) and optionally a financial contribution (under contract) that will be used to develop the Registry technology. Other organizations were not contacted at this point, however ultimately FDOS shall fund (possibly with help from other organizations) the difference between the actual project cost and the contributions made by NEMA, IEEE and Measurement Canada.

Future DOS Research & Development Inc.

6707 Elbow Drive S.W.
Unit 303
Calgary, Alberta,
Canada, T2V 0E5

Tel: 403-616-8634
Fax: 403-203-7071

NEMA: *Has a resolution path been created to assist users who are noncompliant when the verification tool is proprietary?*

FDOS: We think that the use of the term “proprietary” is a bit misleading. Although the tools (software) used to establish compliance may include proprietary components, the reports generated could be independently verified to be accurate. FDOS shall publish a list of acceptance criteria for the submitted TDLs that will be derived from the published Standards. The overseeing organizations (e.g. NEMA, IEEE and Measurement Canada) will be able to review these rules and establish that they are consistent with the published Standards, fair and verifiable. The Registrar in turn shall produce, as part of its service, a discrepancy report indicating where the submitted TDL failed to meet the published condition. Both the TDL and the reports are open text and their interpretation shall not depend on the use of any proprietary tool. Thus the test results can be independently reviewed and evaluated against the published acceptance criteria. Also, note that the acceptance criteria will be driven by the need to register TDL files that are well formed, syntactically correct and self-consistent as per Standard rules. It is not an attempt to establish the fitness of the Registered device or its usefulness.

NEMA: *Is there consideration of using a third party to implement and maintain the registry while NEMA, IEEE and/or Measurement Canada provide the supervisory function?*

FDOS: Independent of who ultimately funds the project; FDOS submitted the proposal to be the chief developer, operator and service provider for the Registry. Subject to source level of funding available, FDOS reserves the right to develop the entire technology or sub-contract any portion of the development on need basis. Once the Registry is in full operation, FDOS intends to invite other companies (following consultation with NEMA, IEEE and/or Measurement Canada) to act as secondary or tertiary access mirror-sites for the industry.

In conclusion: it is our goal to have the Registry up and running concurrent with the publication of ANSI C12.22 or C12.19 V2.0, whichever is published first, so that the industry can derive immediate benefit from Standards.

We hope we addressed all of your concerns. Please indicate if we not have done so. Also please indicate if NEMA or any of its members desire to contribute toward the development aspect of this project (as per item [4] in your letter of December 15, 2003).

Sincerely



Dr. Avygdor Moise, President
Future DOS R&D Inc.