

## **BetterGrids Secure Grid Data Exchange Working Group Charter**

The BetterGrids Secure Grid Data Exchange Working Group (SGDX WG) is created under the Technical Committee of BetterGrids Foundation, Inc., reporting to the BetterGrids Technical Committee. The SGDX WG members and Chairman shall be appointed by the Chairman of the Technical Committee.

The purpose of the SGDX WG is to represent BetterGrids in the DOE ARPA-E Secure Grid Data Exchange (SGDX) and to help create uniform and standardized processes and non-disclosure agreements (NDAs) for access to sensitive grid data by legitimate parties including grid researchers.

Expected benefits include i) improved efficiency of grid data access processes, ii) improved reliability of the grid by timely access to grid data by legitimate users, and iii) improved cyber security of the grid by designing more secure processes for access to sensitive grid data.

### **Background**

DOE ARPA-E project DE-AR000716 funded the development of the Grid Data Repository and the creation of the BetterGrids Foundation as a self-organizing and self-funding user organization for the Repository. The Repository provides grid researchers easy access to many non-sensitive grid models.

A new DOE ARPA-E project, DE-AR0001030, is funding the development of simple technology solutions and uniform process standards for Secure Grid Data Exchange (SGDX). The results should simply the access to sensitive grid data by legitimate grid researchers.

BetterGrids Foundation has been a member of the ARPA-E SGDX project team and has delivered a collaboration platform for the project team. BetterGrids could also act as a user organization to evolve the uniform SGDX standards beyond the ARPA-E project, subject to Board Approval.

### **Scope of Work:**

The SGDX WG is overall responsible for the following items:

- Participate in the ARPA-E SGDX project, representing BetterGrids Foundation;
- Oversee the delivery of BetterGrids deliverables to ARPA-E;
- Review the uniform process standards and universal NDA's that are being developed by the project and provide feedback; and

- Make recommendations to the Technical Committee about future involvement of BetterGrids in evolving the SGDX uniform standards, universal NDA's, and other open source solutions developed under the ARPA-E project.

**SGDX WG Meetings**

SGDX WG shall meet virtually via conference call or via other electronic means as necessary and appropriate, but no less than twice a year, at the call of the Chairman of the SGDX WG to complete the scope of work.

**Expected Duration**

Work is to begin upon approval of the SGDX WG charter and to end at the completion of the ARPA-E SGDX project on February 15, 2022.

SIGNATURE:  \_\_\_\_\_

NAME: TERRY NIELSEN \_\_\_\_\_

TITLE: CHAIRMAN OF THE TECHNICAL COMMITTEE, BETTERGRIDS

DATE: JUNE 3, 2020 \_\_\_\_\_