Q&A

RFP 5474 – Engineering Grounding Solution

1. Does GRDA have an existing grounding standard or associated guide document that can be shared?

   No, we use IEEE standards to inform grounding design.

2. What are GRDA practices for fault current split calculations?

   GRDA currently follows IEEE 80, Annex C for split factor calculation.

3. Will GRDA team expect analysis needs for gas insulated substations (GIS), particularly hand to hand touch voltages?

   No, GRDA has no GIS installations and has no plans to purchase or construct one.

4. Does GRDA team have experience with substation grounding software, like XGSLab?

   GRDA has never used XGSLab.

   a. Is GRDA considering software calculations that ignore the voltage drop of the grounding system's conductors, using simplified equipotential plane assumptions?

      GRDA will consider all software options and has not yet committed to simplified assumptions vs. FEA type analysis.

5. Would GRDA like to coordinate a demonstration meeting to step through grounding/lightning workflow to see how engineers use the XGSlab software for these applications?

   GRDA Engineering will yield to the procurement team regarding the scheduling demonstrations. We will need a demo before making an informed decision on the software.

6. How many users are expected to be using the grounding software?

   No more than 5 total users.

   a. A single network license can support both grounding analysis and lightning shielding capabilities. A second network license can allow for lightning and grounding modules to be separated, so please advise if you would like two licenses to separate the grounding and lightning analysis modules.

      It is not expected that multiple users would need access simultaneously to different modules, though it is possible.

7. Is there a specific CAD software(s) that is used by the GRDA team?

   AutoCAD.

8. Does GRDA prefer an annual subscription or perpetual with support maintenance cost structure?

9. Is the Agreement of Services provided for reference or provided for contractors (bentley's) legal review and signing? Some terms, particularly regarding IP, would not be agreeable from legal review as our software is provided for use for the engineers, but we could not grant GRDA IP for this.

   a. Attached is a typical quote form for XGSlab, that provides the EULA which we use as standard for clients in electric utilities, military, and other industries. This quote would be signed by the client, then returned to Bentley for software installation support.