

**DOCKETED**

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## **EISA-MISC-22-03 Schematism and visualization**

EISA-MISC-22-03 Schematism and visualization

Sometimes simplest is the best.

Visualizing relationships in a system is best done with simple schematics.

The attached ZIP file contains a file structure and files designed to allow anyone to explore Balancing Authorities and their function. The "eisa" folder contains a single file "eisa-ba-20220906-tuesday.htm" to be used as a starting place.

Please explore the files by using your favorite web browser.

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*Additional submitted attachment is included below.*

EISA-MISC-22-03 Schematism and visualization

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Visualizing relationships in a system is best done with simple schematics.

Most data is contained in tabular form that does not allow relationships and activities to be easily explored. Creating a map that uses physical locations can slow the understanding of how a system functions. The use of a schematic with symbols that can show relationship and activity speeds the process of understanding.

A quarter of a century ago a system of languages was designed to be a universal means of distributing information. Today it may be the most common method of distributing information, its called the "Internet".

A number of Markup Languages (ML) exist, such as Hypertext Markup Language (HTML) and Scalable Vector Graphics (SVG).

SVG is a Extensible Markup Language (XML) based vector image format that can support interactivity and animation.

Interactivity and animation will speed understanding most subjects.

When a Material Resource Planning (MRP) system can produce animated schematics from empirical data, the resulting Intelligence Augmentation (IA) allows development of very reliable systems.

Some refer to IA as forklifts for the mind. These systems replaced spreadsheets a quarter of a century ago. Using spreadsheets can be like mowing a golf course using only kitchen shears when compared to IA.

Animated schematics produced by IA should not require prior knowledge to visualize subject system function. It helps to know the basics of the subject of study and the goal of any planning.

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