

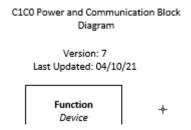
The original file format for this document is a Microsoft Visio document (.vsdx). Microsoft Visio should be available to Cornell students.

Updating C1C0 Block Diagram Document

When this document needs to be updated to reflect design changes, the following steps should be considered.

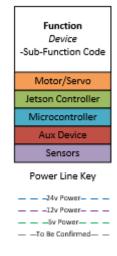
1. Ensure the version and last revision date are updated on the diagram.

Why? These are critical so users know how old the document is or what version they may be looking at.



2. Any elements that were added to the diagram, ensure the coloring and format matches the diagram key. Add diagram key elements as needed.

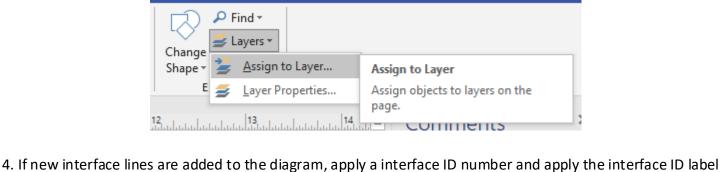
Why? This greatly increases the readability of the diagram.



3. For the added elements, ensure they are added to the proper layer (see the Using Layers tab for tips on using layers in Visio).

Why? To maintain the ability to visually turn off details if desired by users. For example, maybe you don't want to see all of

the power lines, so they can be visually turned off.



to the interface ID label layer.

Why? To create traceability to the wiring matrix.

everyone agrees.

added to the title too if desired.

name as the Visio file type

want to share a read-only copy.

New

Name

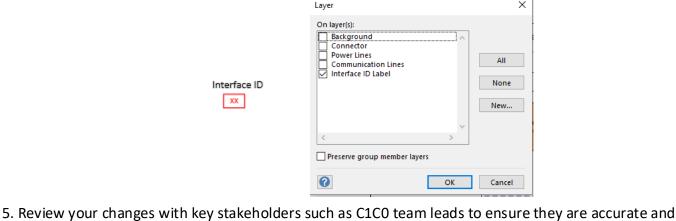
Why? To have a local reference for traceability.

 \blacksquare

ВЗ

EHW/SW Interface and Requirements 🌣 🗈 📀

File Edit View Insert Format Data Tools Add-ons Help



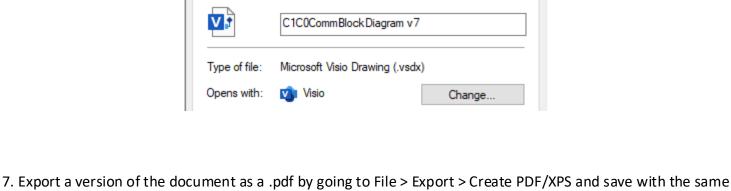
Why? It is critical all sub-teams are in alignment on the architecture and made aware of changes incase it impacts them.

6. Save a version of the document as a .vsdx file with the latest version number in the title (vX)

Why? The file type is to allow for future updates and the version is to help understand what version the file is. The date can be

C1C0CommBlockDiagram v7 Properties

Security Details Previous Versions



Export

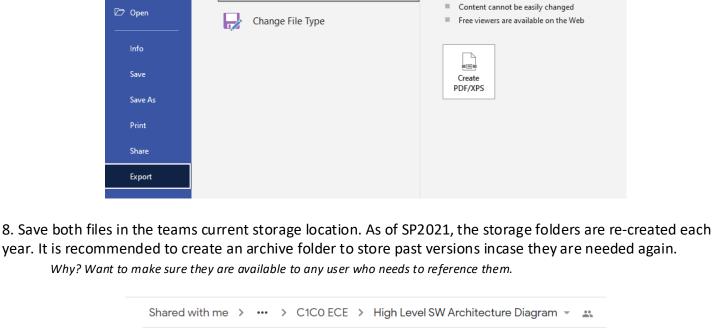
Create PDF/XPS Document

Why? Incase you need to share the document with someone that does not have Visio available on their machine, your you

Create a PDF/XPS Document

Owner

Preserve fonts, formatting, and images



Archive me

C1C0 High Level SW Architecture Diagram v1.3 44 Irfanul Kabir

2 C1C0 High Level SW Architecture Diagram v1.6.vsdx ** me

C1C0 High Level SW Architecture Diagram v1.6.pdf ** me

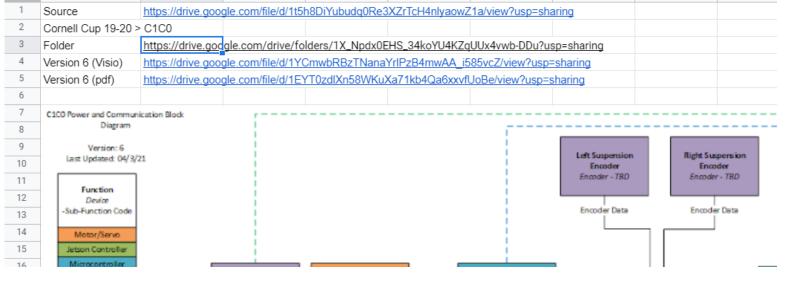
C1C0CommBlockDiagram v6.vsdx ** me

C1C0CommBlockDiagram v6.pdf ** me

9. Place an image of the diagram in the complimenting/traced EHW Interface and or wiring diagram documents. As this diagram has gotten larger, a 'Save As...' to an image format such as a png has worked best. It has been helpful to include a link to where the original files are kept with the image version.

 Image: Complex complex

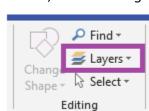
Last edit was 7 days ago



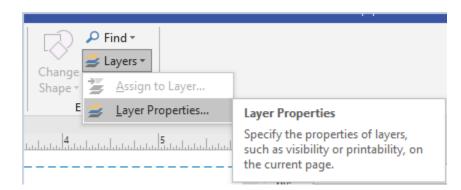
10. Update the EHW Interface and or wiring diagram documents with the respective changes. The Interface ID

Layers are used to split communication lines, power lines, and interface labels on the diagram to aid in readability

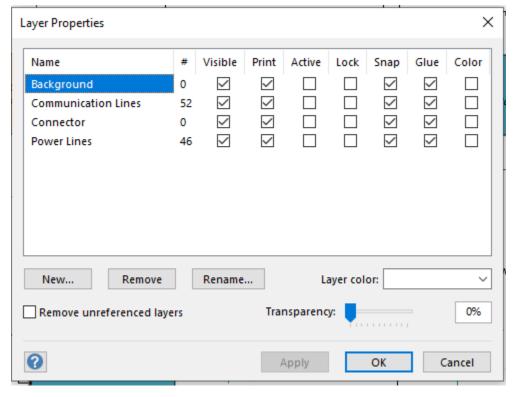
Layers can be found:
Under the *Home* Tab, under *Editing* Group is *Layers*



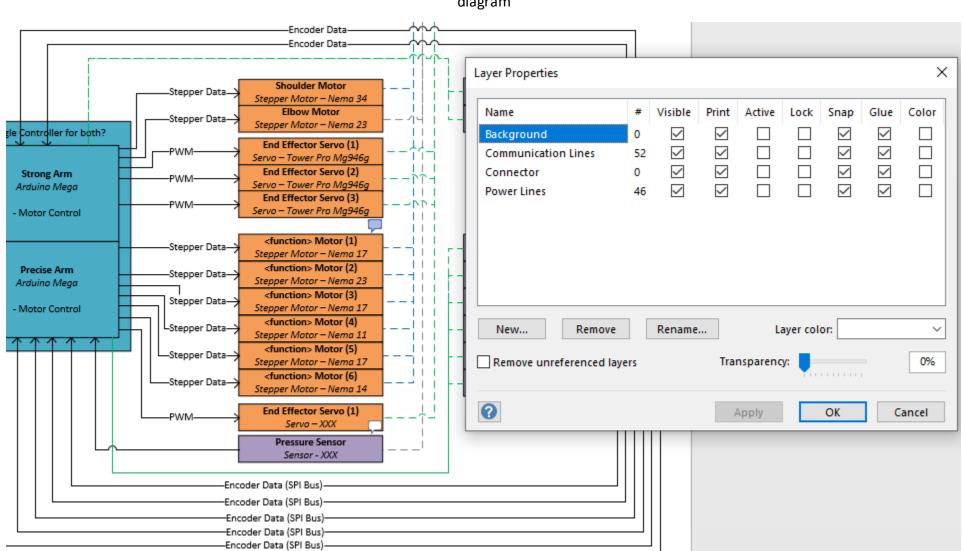
If you select Layer Properties



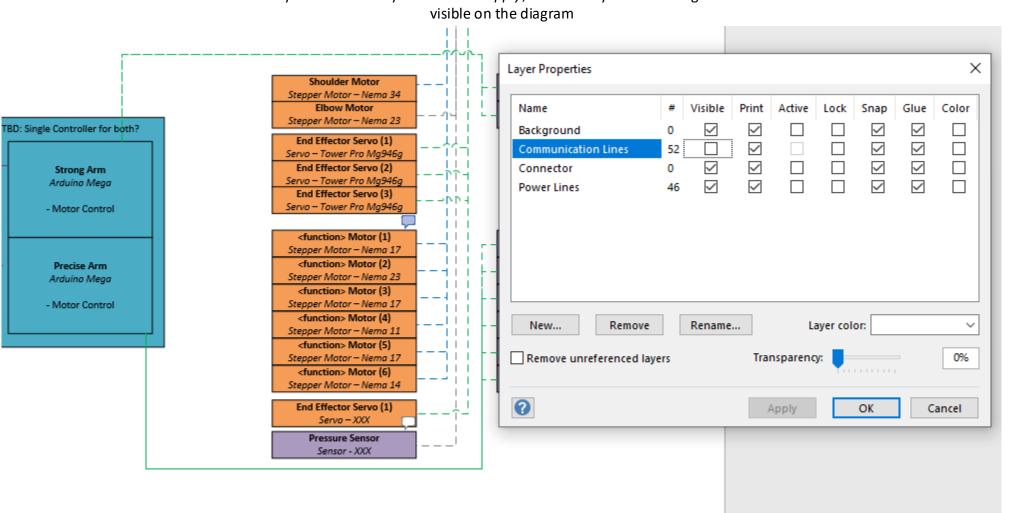
You can see the layers that are in the diagram. Some names are generated by default as elements are added to a the diagram such as Connector



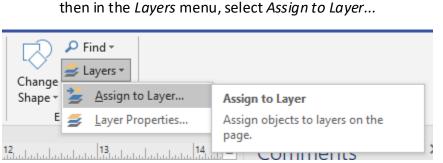
If all layers are selected as *Visible*, then all elements should appear on the diagram



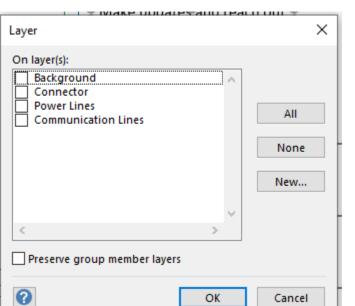
If you uncheck a layer and select *Apply*, then the layer will no longer be



To add an element to a layer, select the element,



Then just select what layer you want the element to be a part of and select *OK*



-Encoder Data (SPI Bus)

