B-ISA106 Models

CTRL Designer LLC

2024.10.10

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# 1. Introduction

CTRL Designer LLC (**CDL**) is a leading provider of **SBC** state-based control (procedural control) based on ISA106 solutions to the process industries.

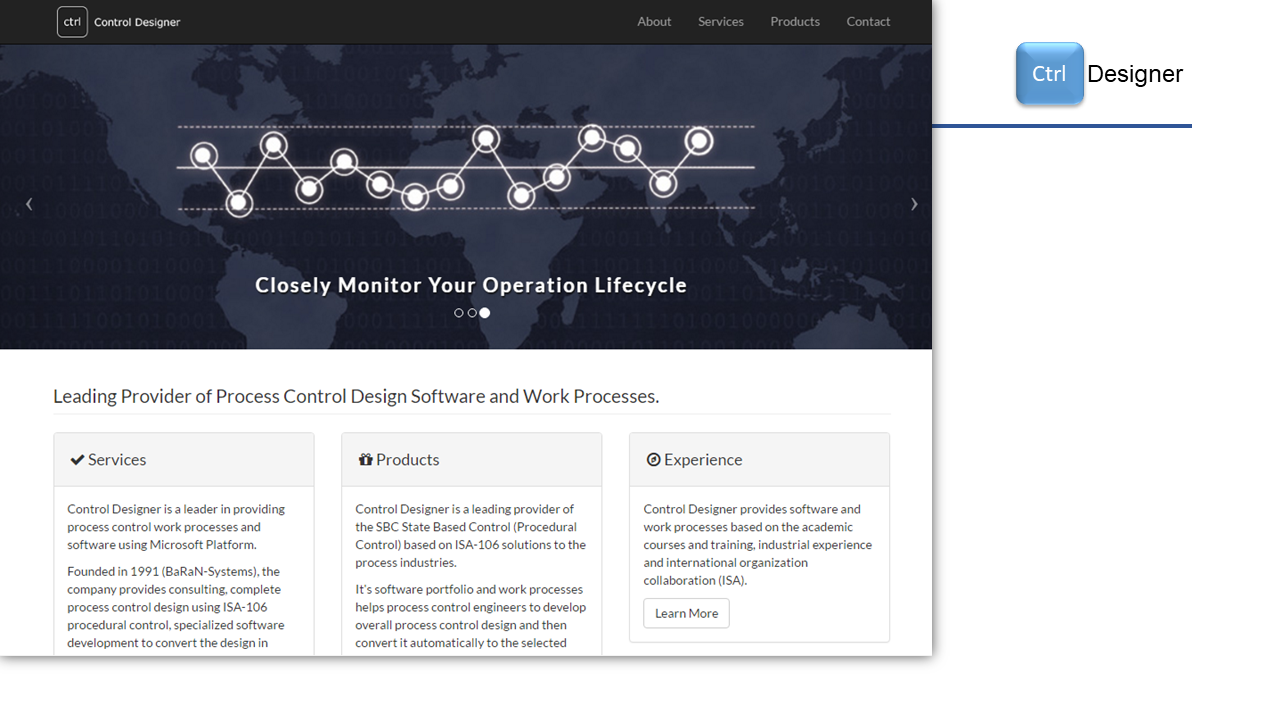
Its software portfolio and work processes help process control engineers develop an overall process control design and convert it automatically to the selected control system code. These solutions allow users to make smarter decisions to improve safety, reliability, efficiency, and sustainability.

The following are discussed as an introduction to CDL interpretation of ISA106.

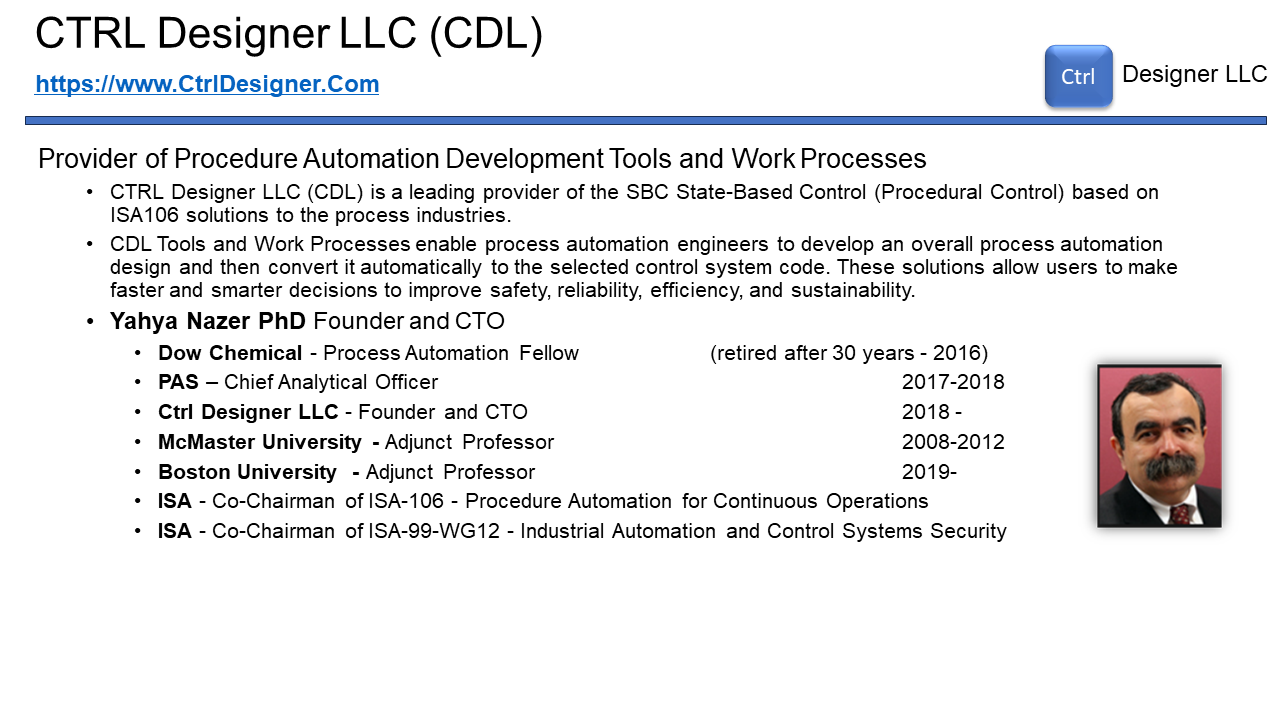
| Chapter | description |
| --- | --- |
| A | ISA106 Overview |
| B | ISA106 Models |
| C | ISA106 Automation Styles |
| D | ISA106 State-Based Control (SBC) |
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| F | ISA106 Work Process Overview |
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| H | CDL tools to develop URS |
| I | CDL tools to develop FRS |
| J | CDL tools to develop DCS-DDS |

In this section, **B-ISA106 Models** are reviewed

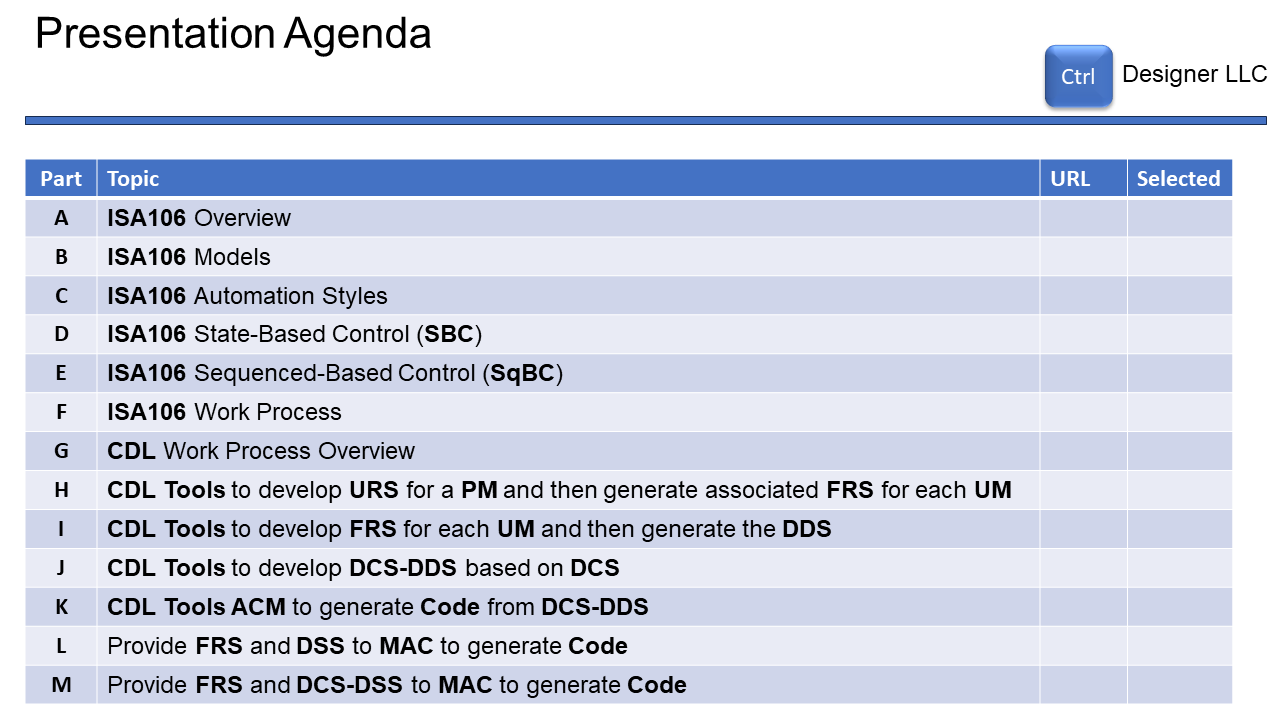
## 1.1 Overview

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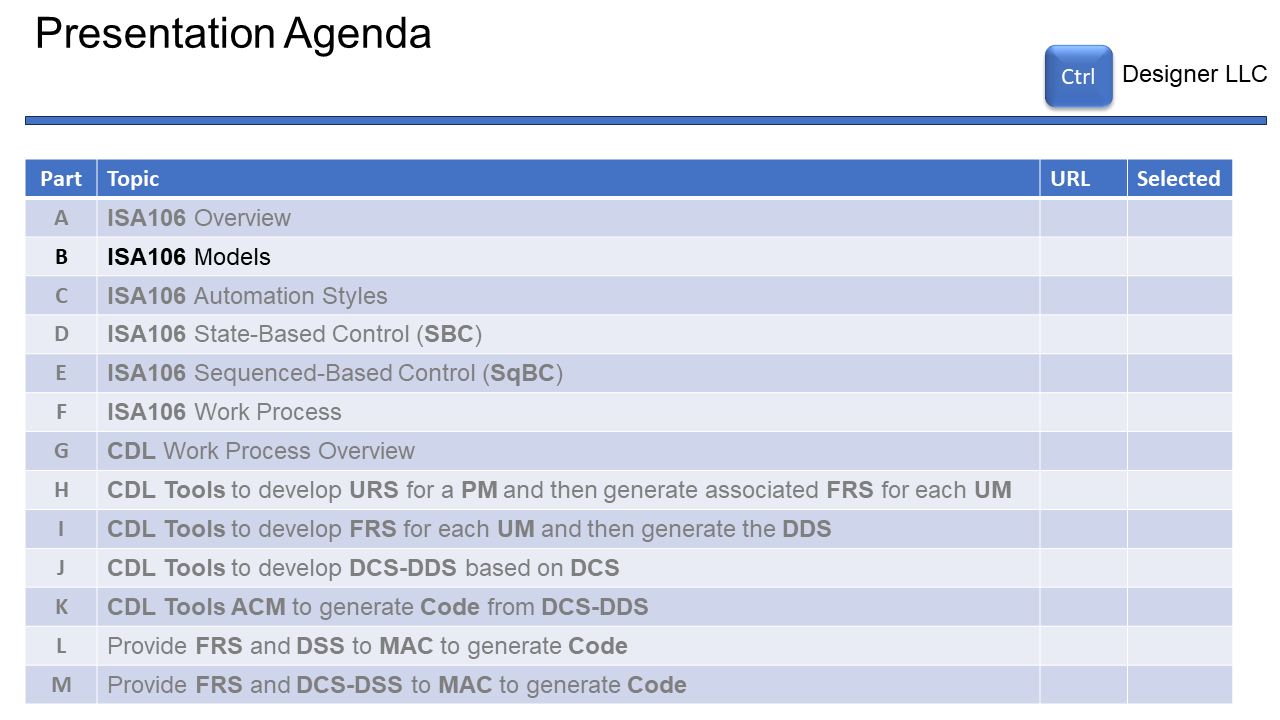
## 1.2 CTRL Designer LLC (CDL)

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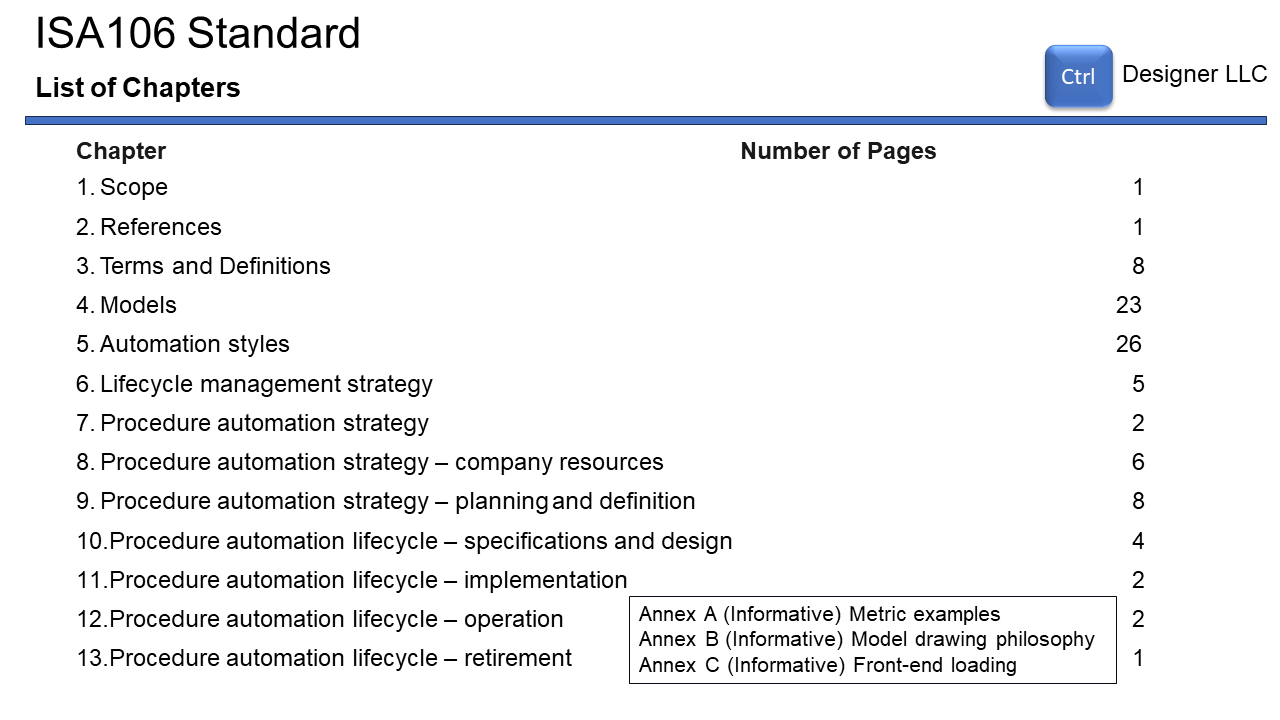
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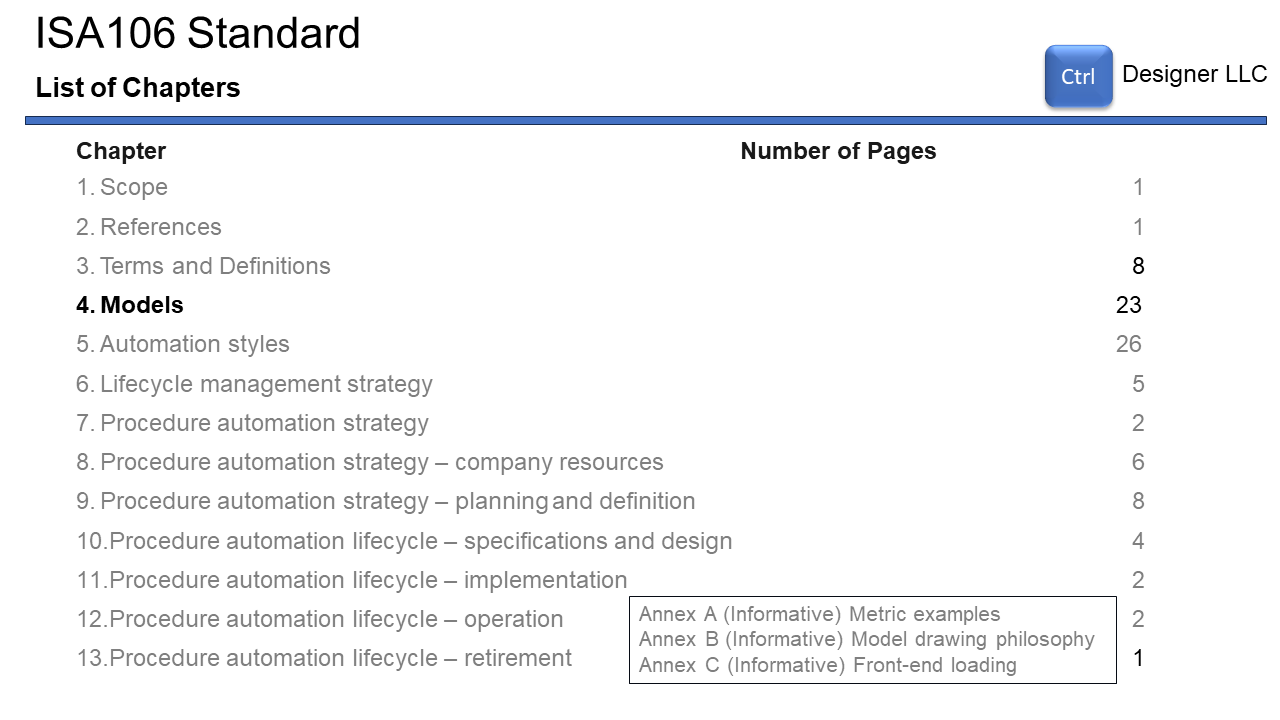
## 1.4 Presentation Agenda

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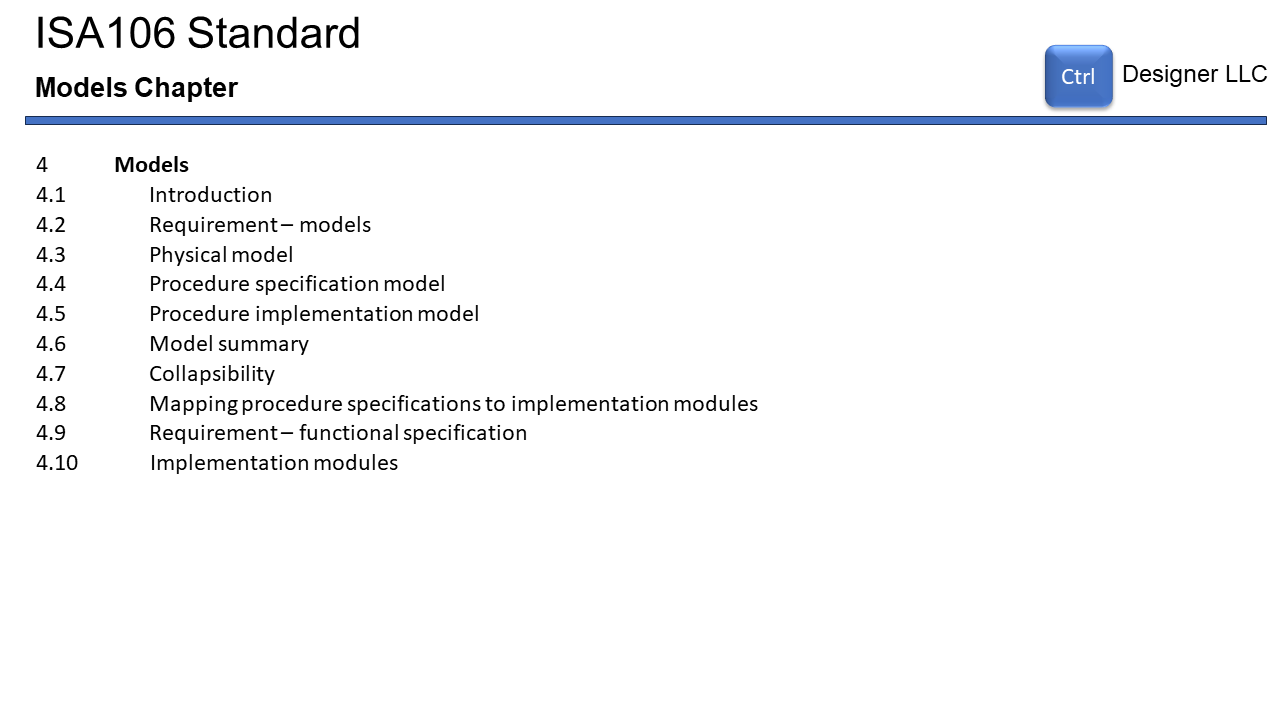
## 1.5 ISA106 Standard

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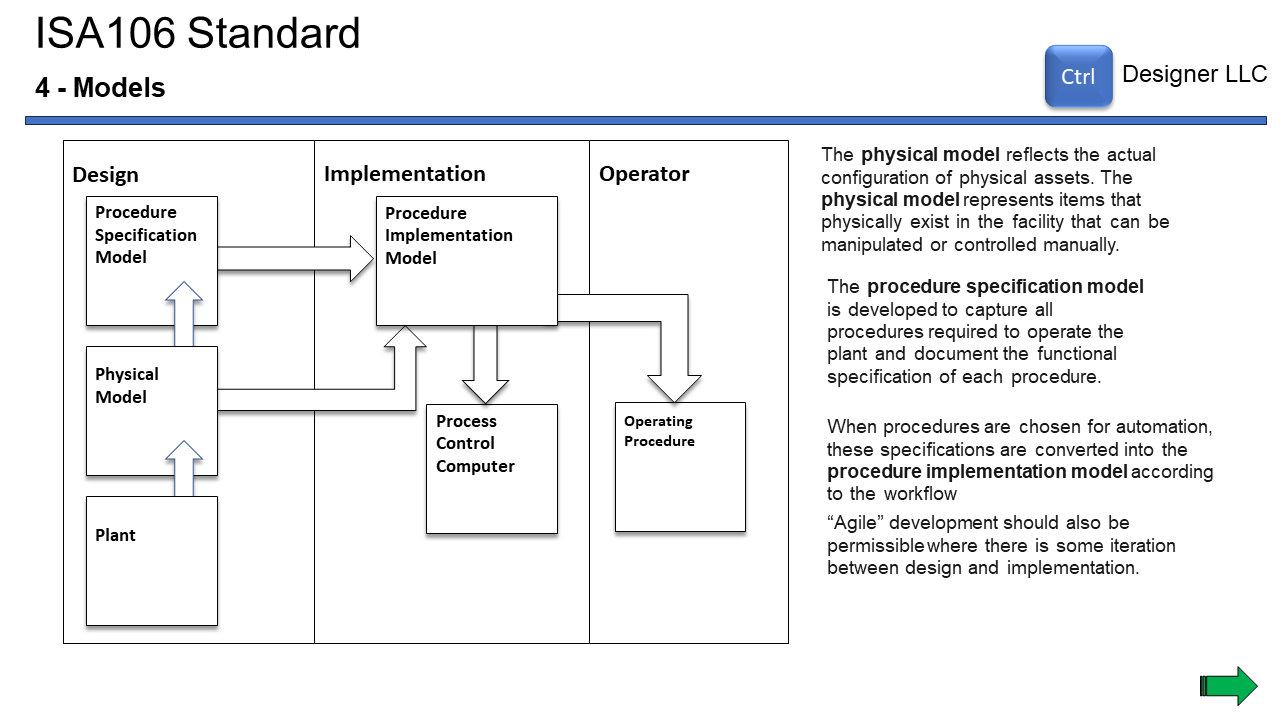
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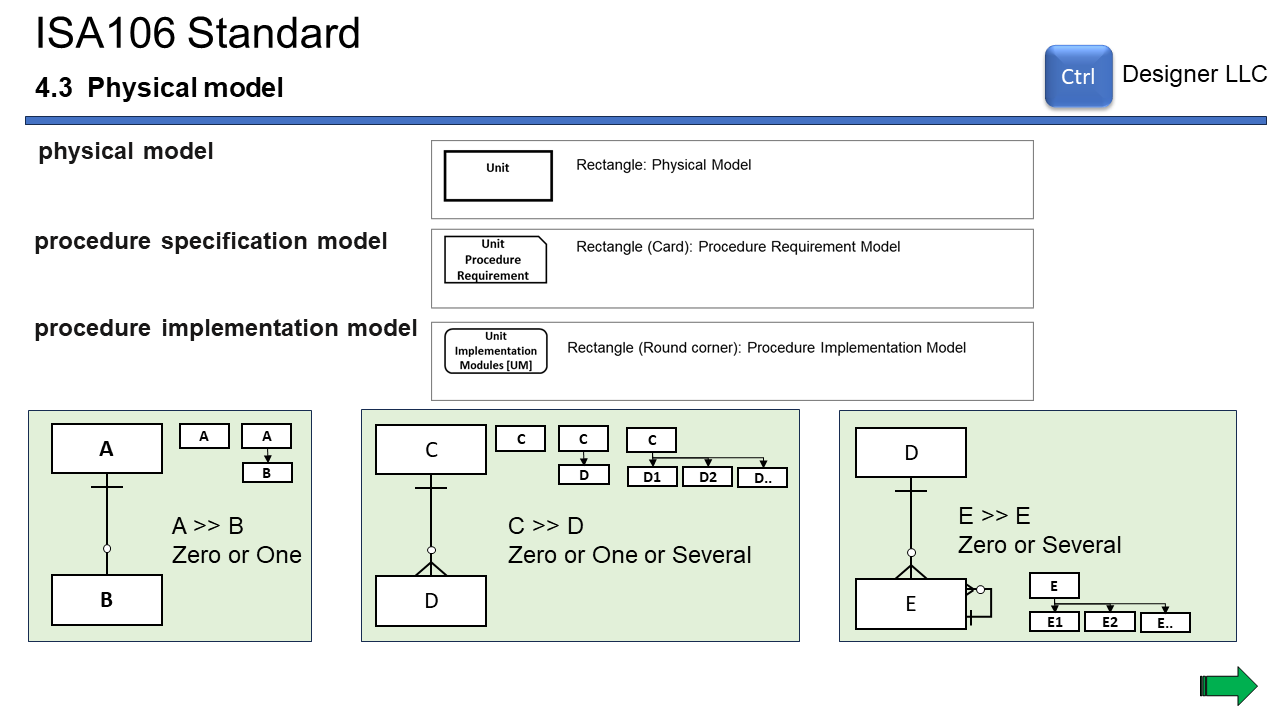
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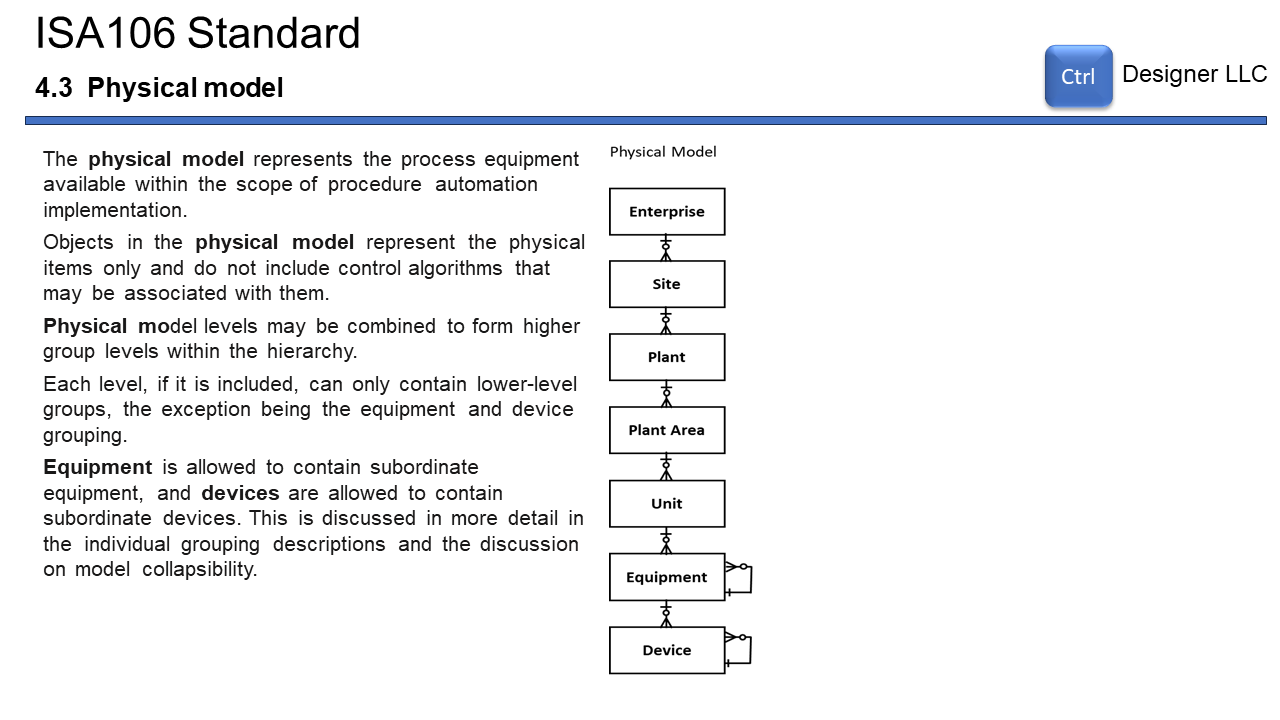
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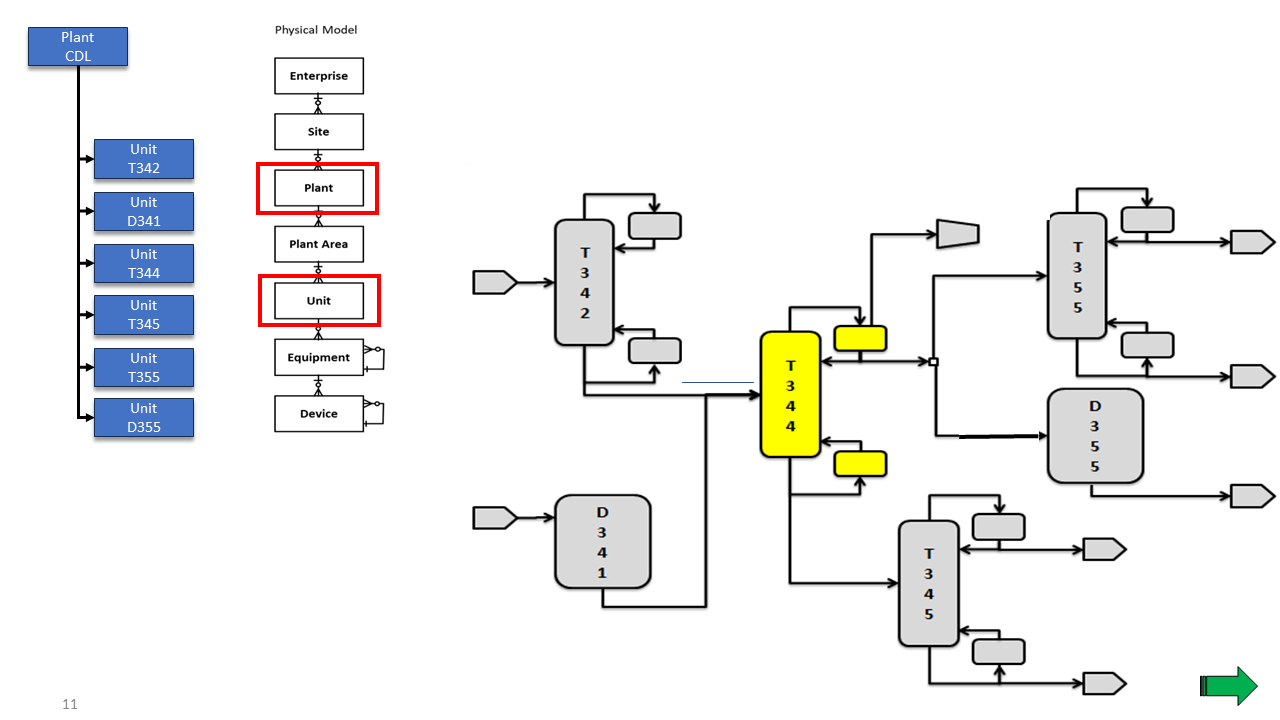
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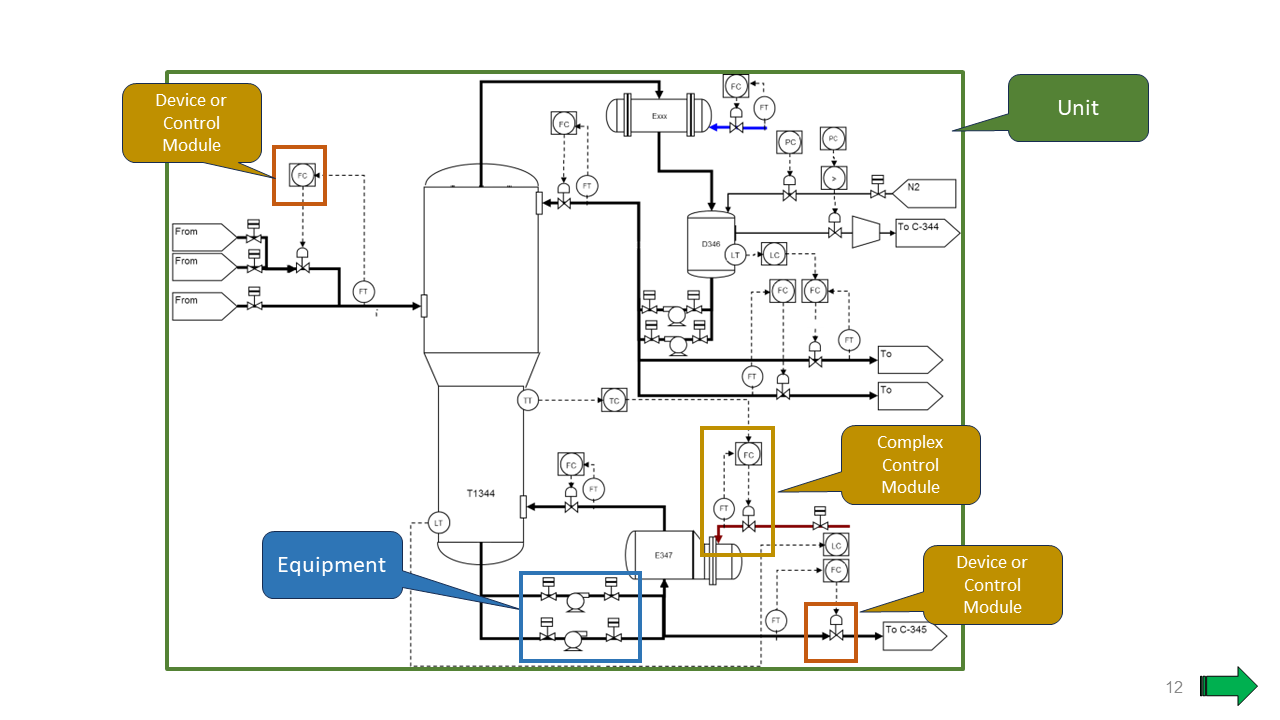
## 1.10 ISA106 Standard - Physical Models

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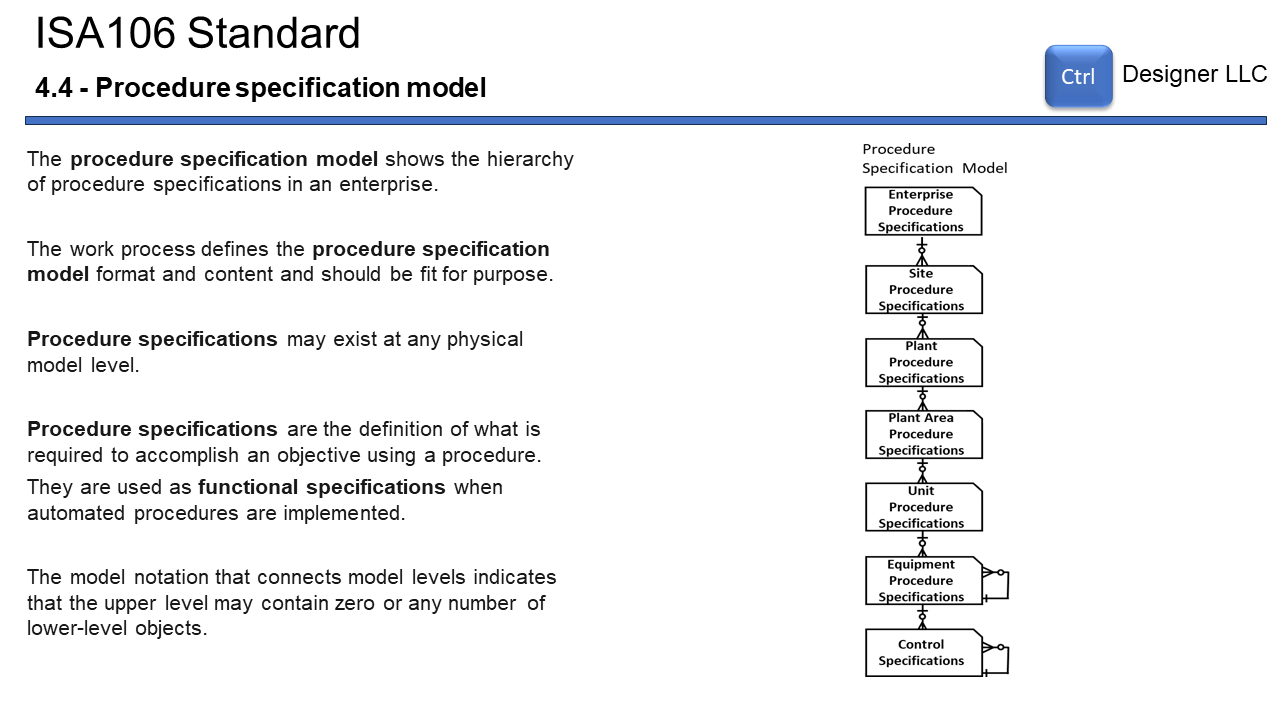
## 1.11 Plant Overview

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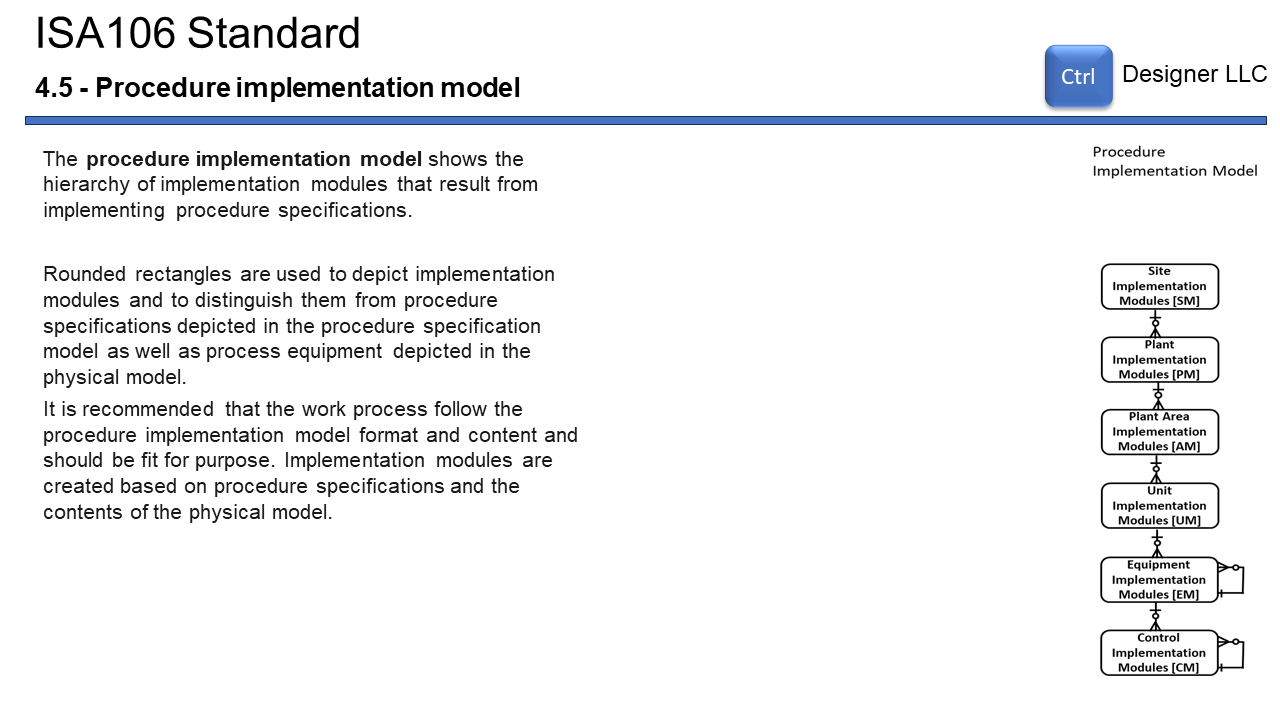
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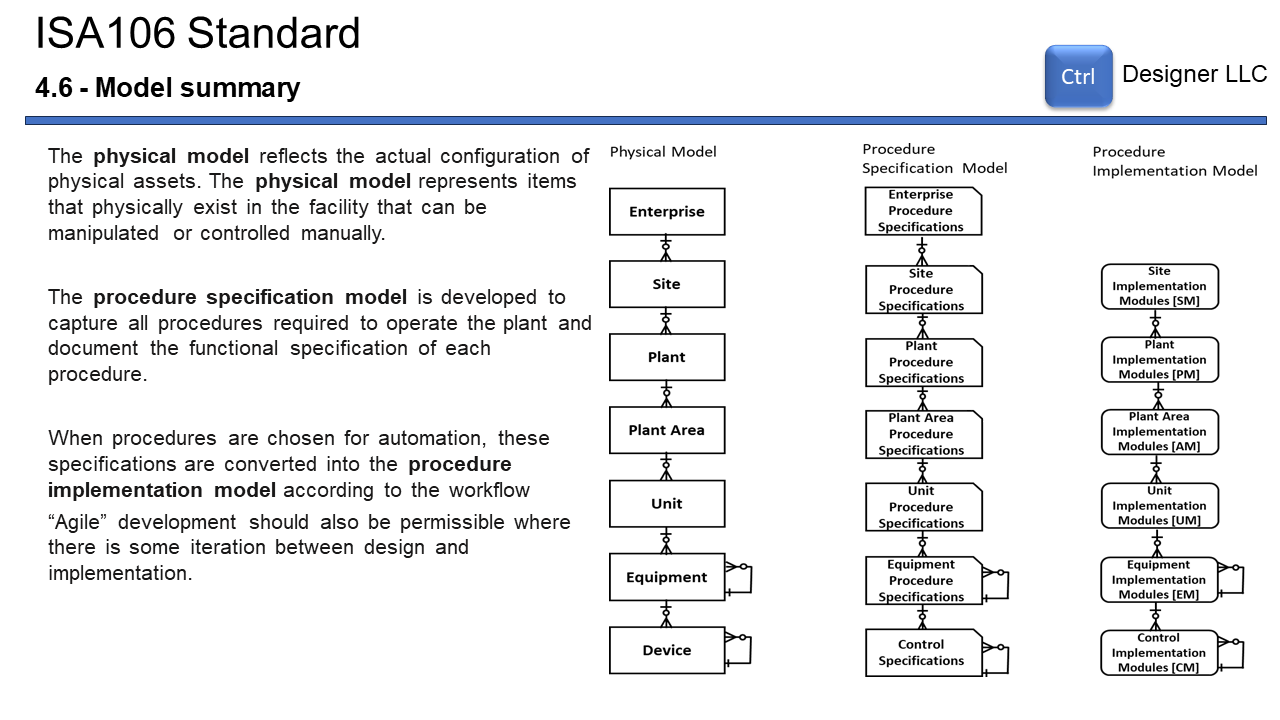
## 1.13 ISA106 Standard - Procedure Specification Model

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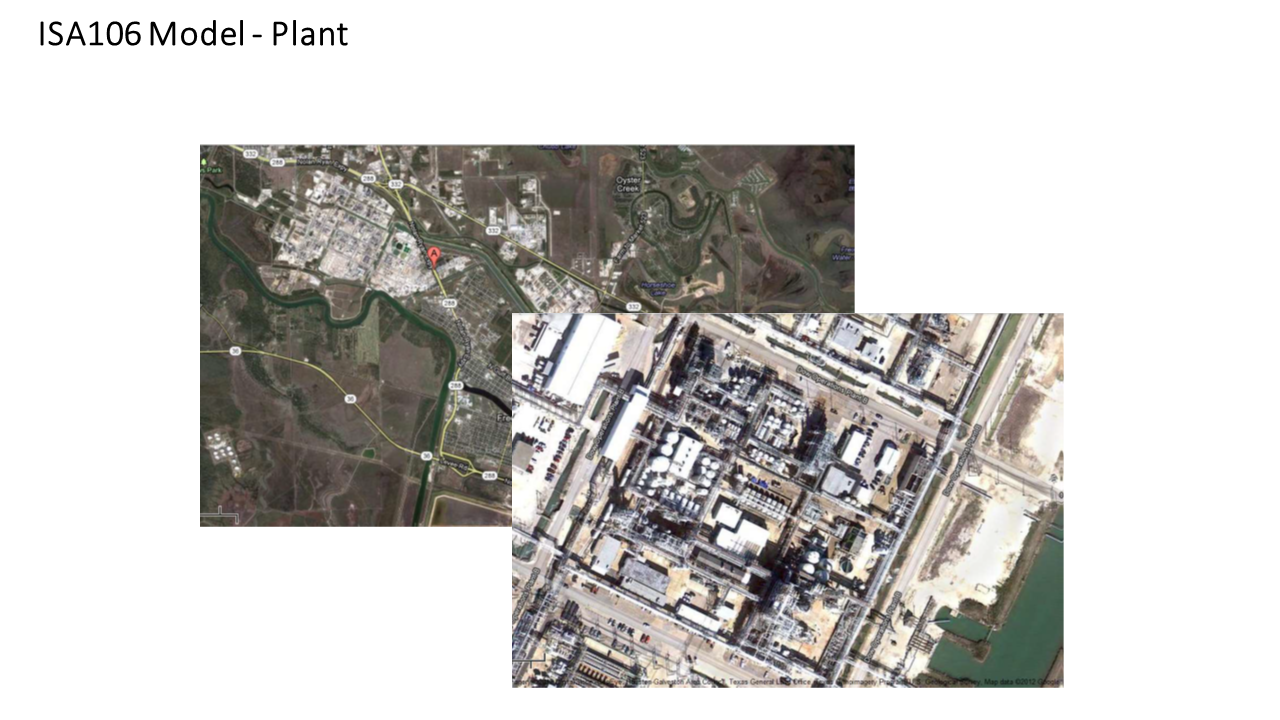
## 1.14 ISA106 Standard - Procedure Implementation Model

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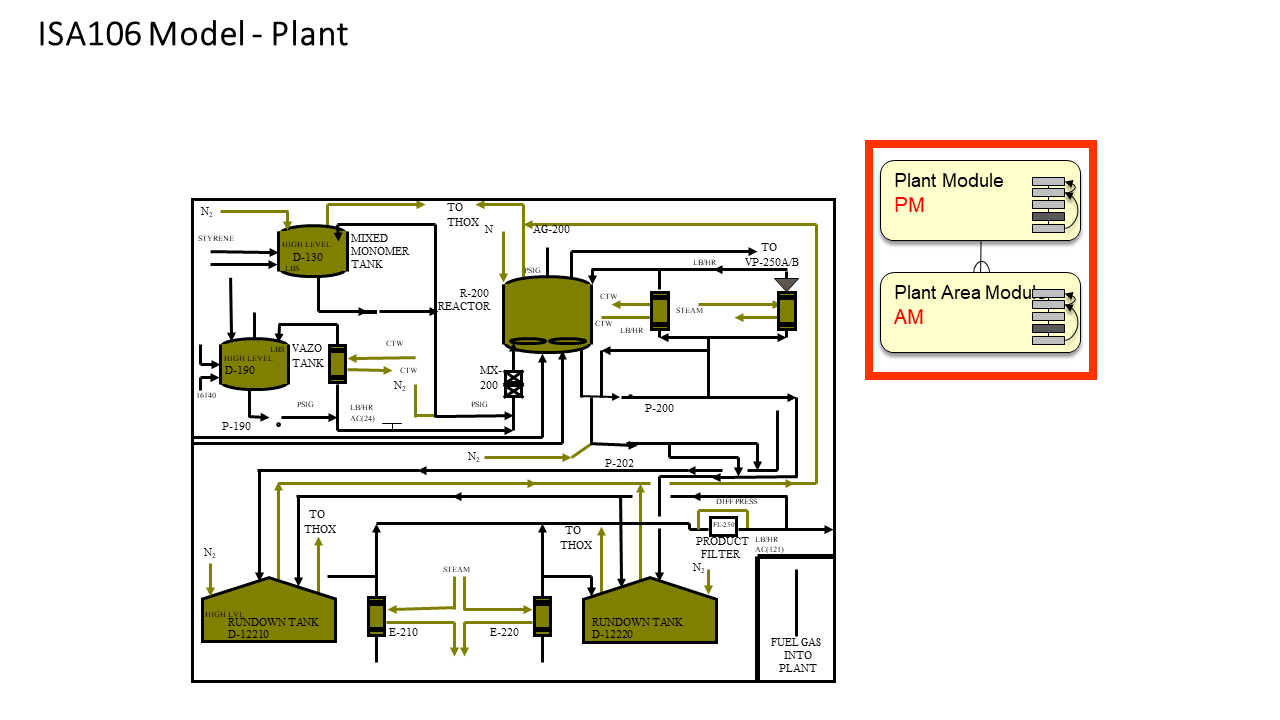
## 1.15 ISA106 Standard - Summary

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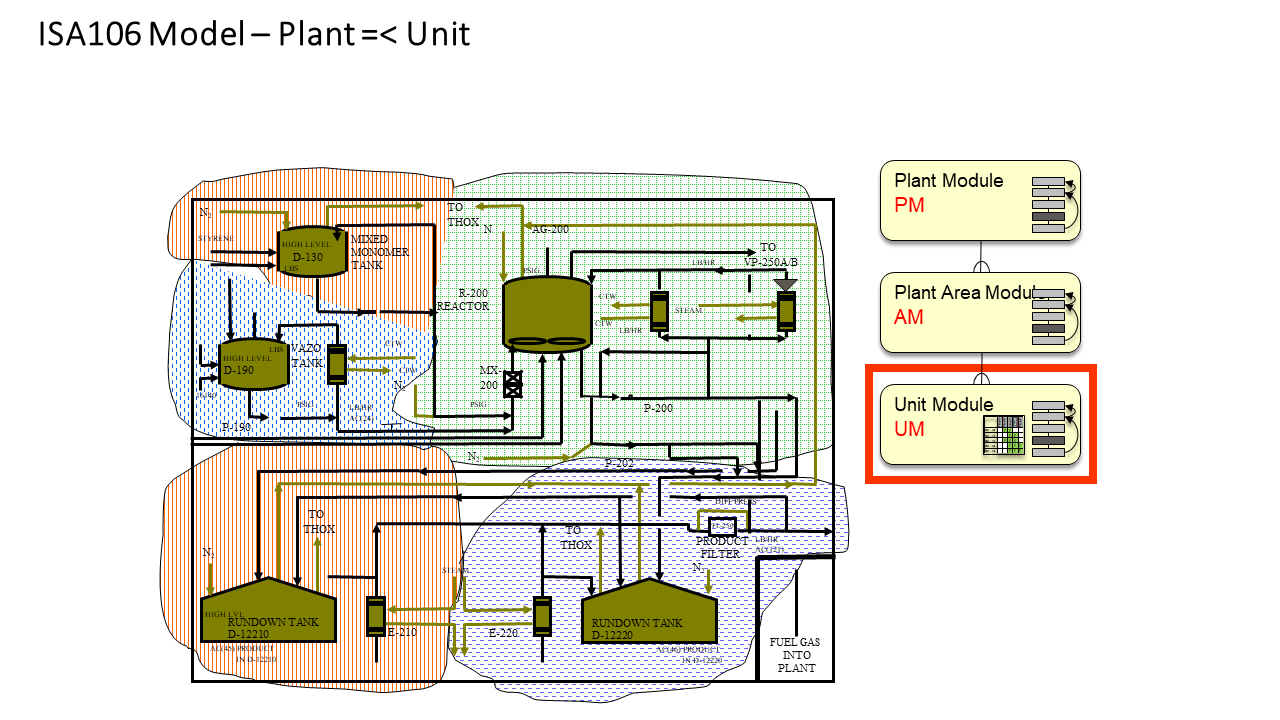
## 1.16 ISA106 Model - Plant

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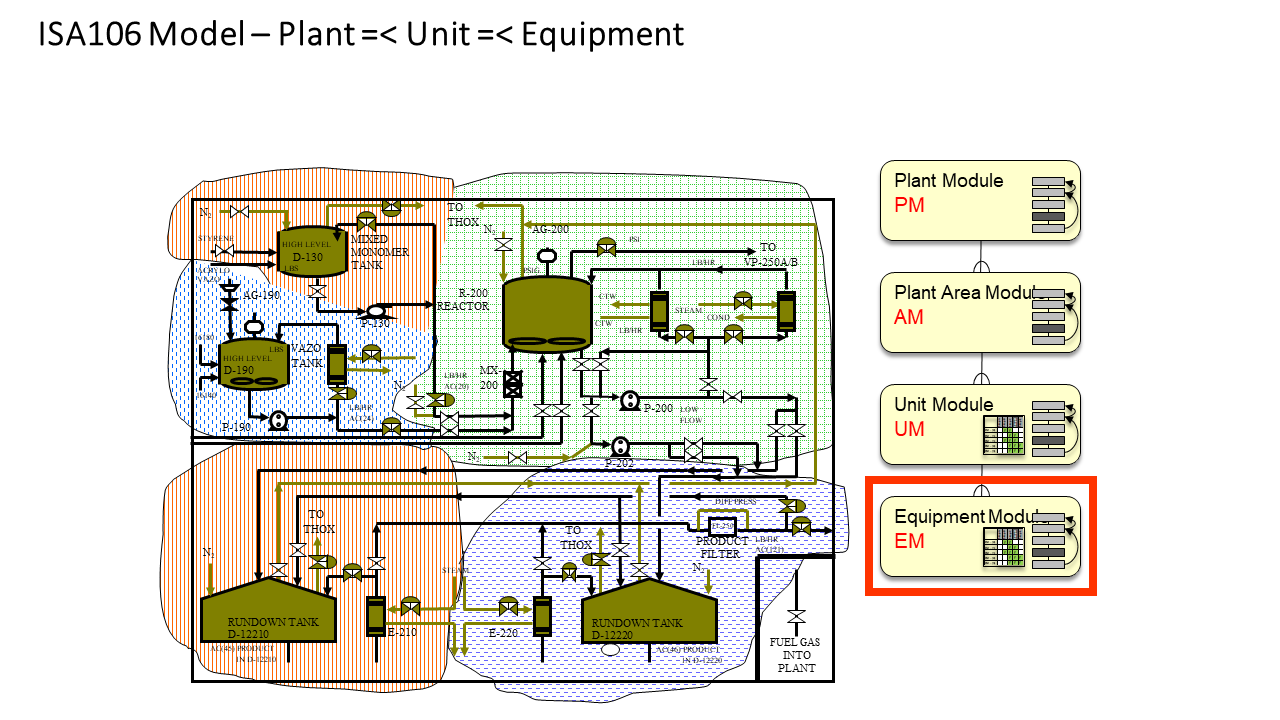
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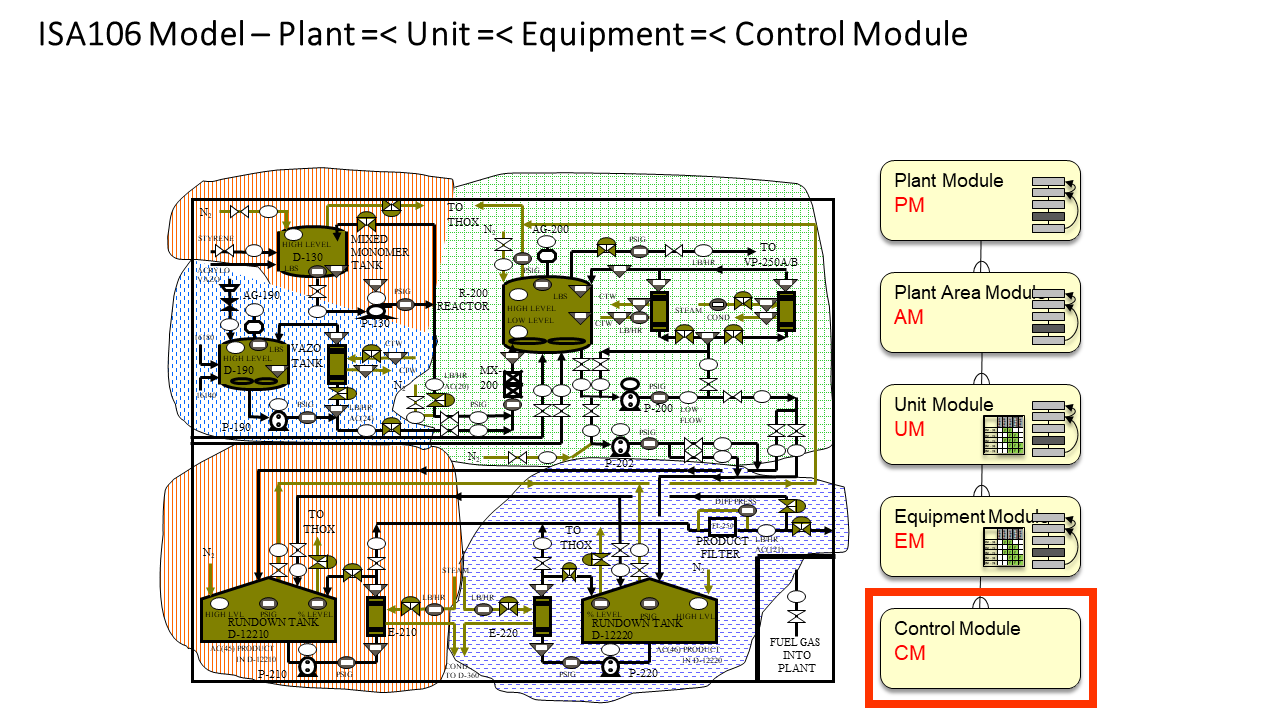
## 1.18 ISA106 Model – Plant =< Unit

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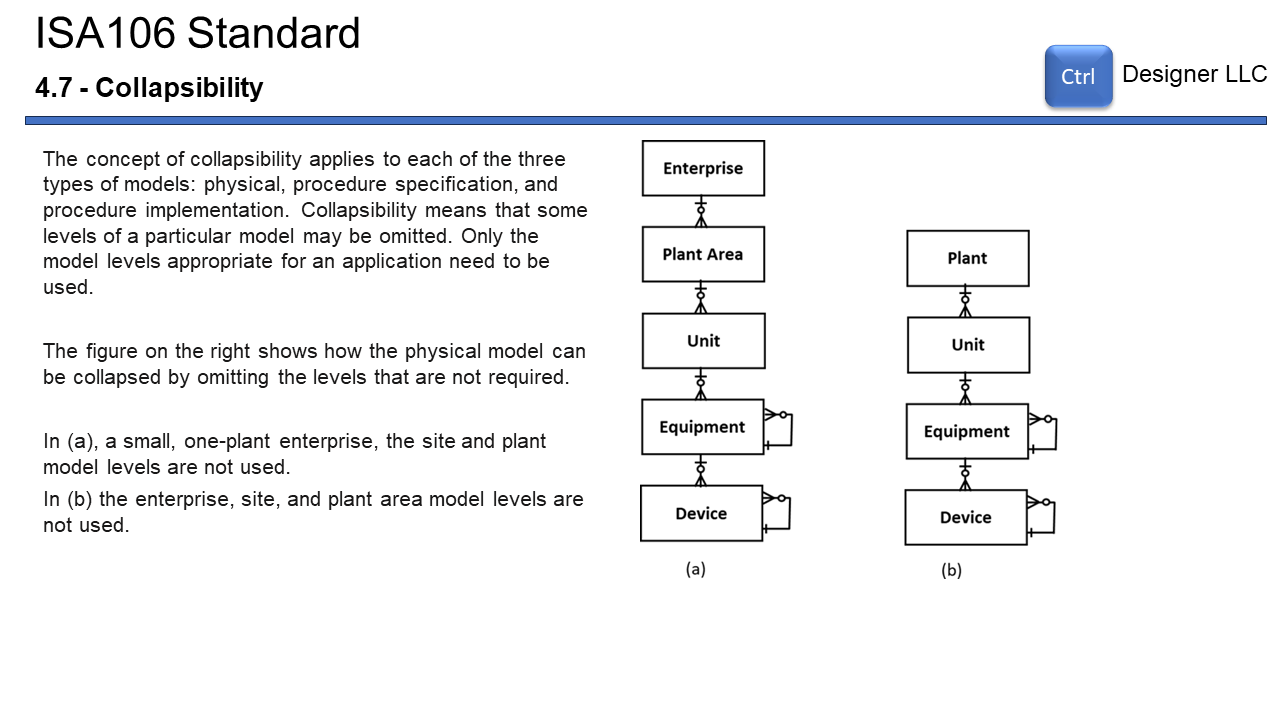
## 1.19 ISA106 Model – Plant =< Unit =< Equipment

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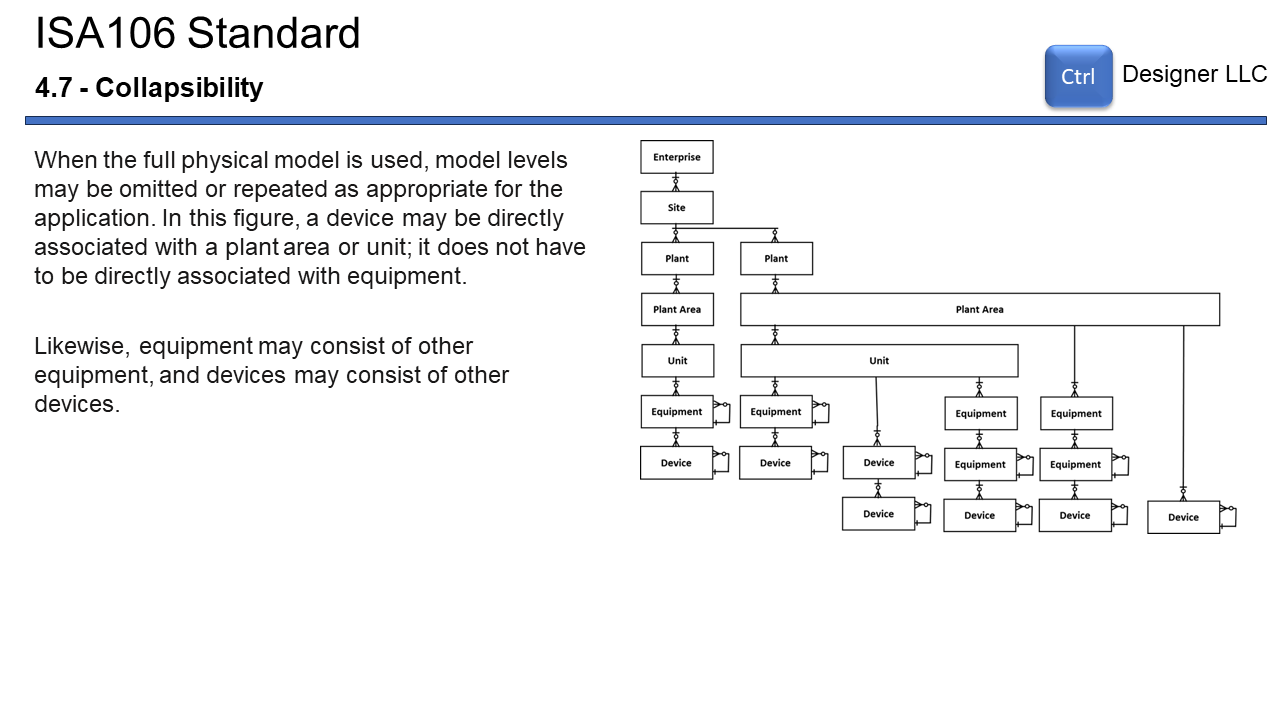
## 1.20 ISA106 Model – Plant =< Unit =< Equipment =< Control Module

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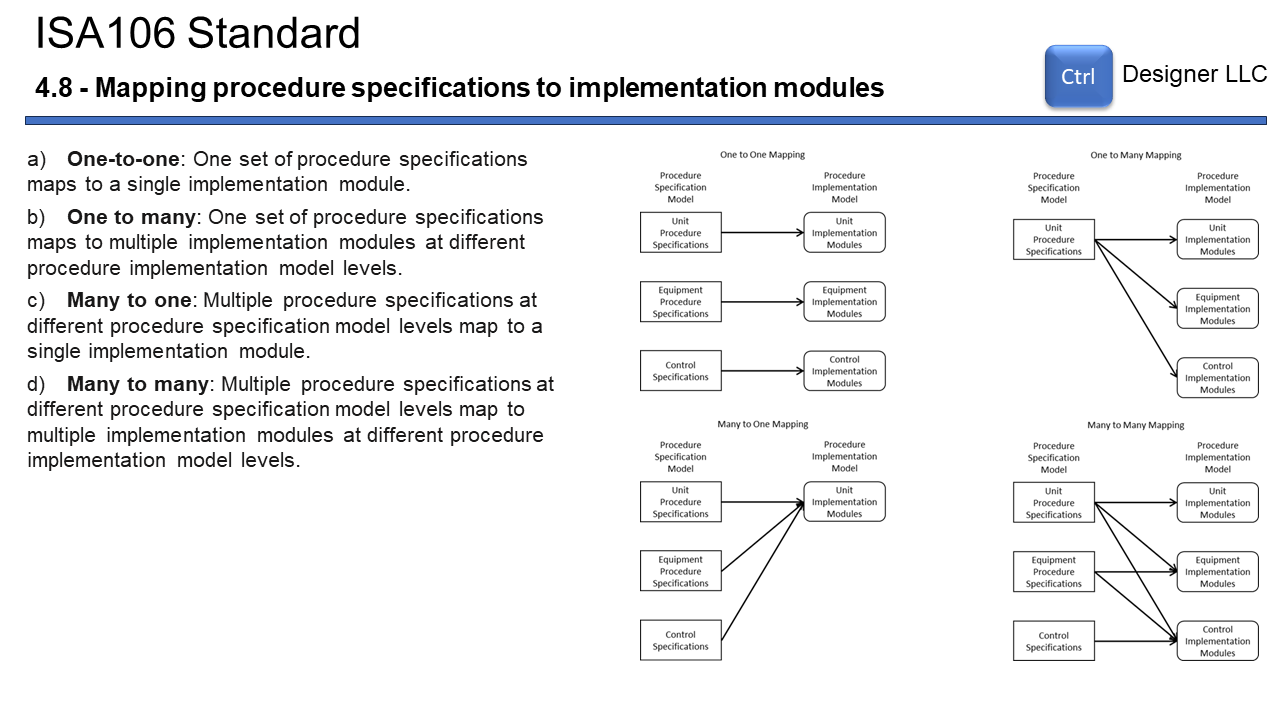
## 1.21 ISA106 Standard - Collapsibility

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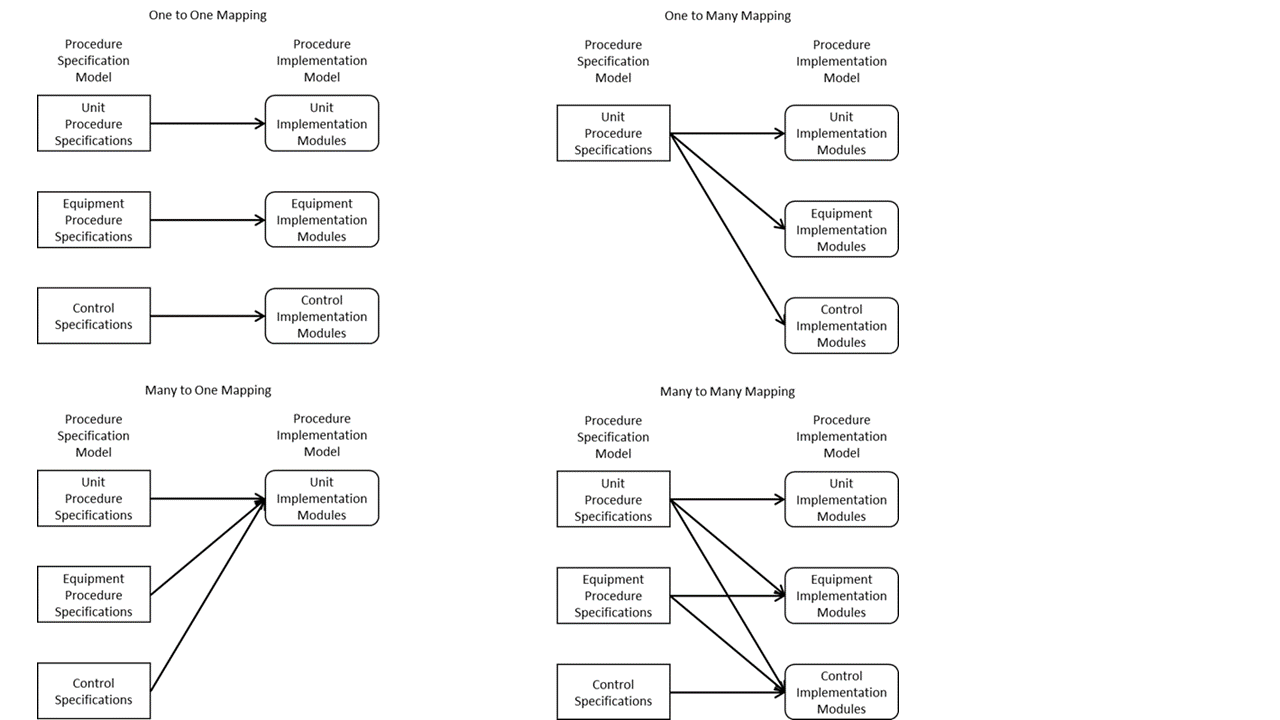
## 1.22 ISA106 Standard - Collapsibility

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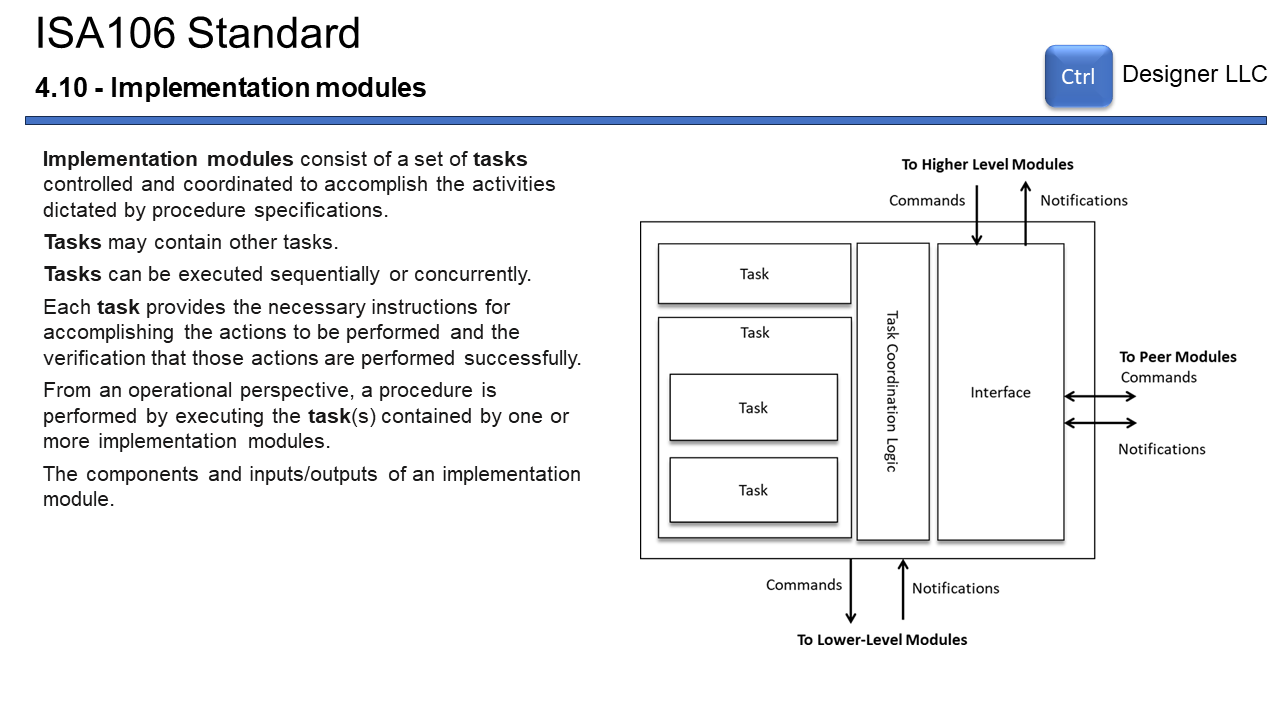
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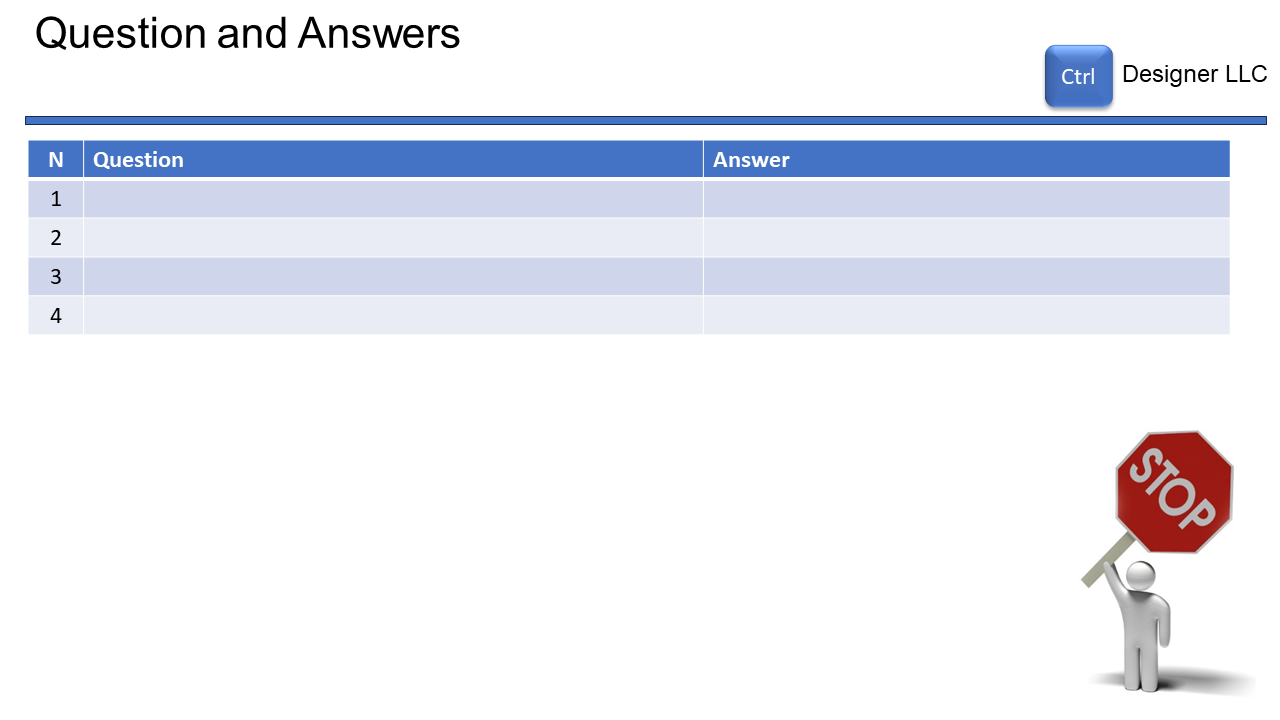
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## 1.25 ISA106 Standard - Implementation Model

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## 1.26 Question and Answers

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