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-Maximo Monday-

Topic: Maximo for Utilities - Compatible Units
Date: December 17, 2007

Conference Objectives



- What are Compatible Units?
- Components and Structure of Compatible Units
- When to use Compatible Units?
- Business benefits from Compatible Units
- Integration for Maximo for Utilities 6.2
- What's new for T&D 6.3

What are Compatible Units?



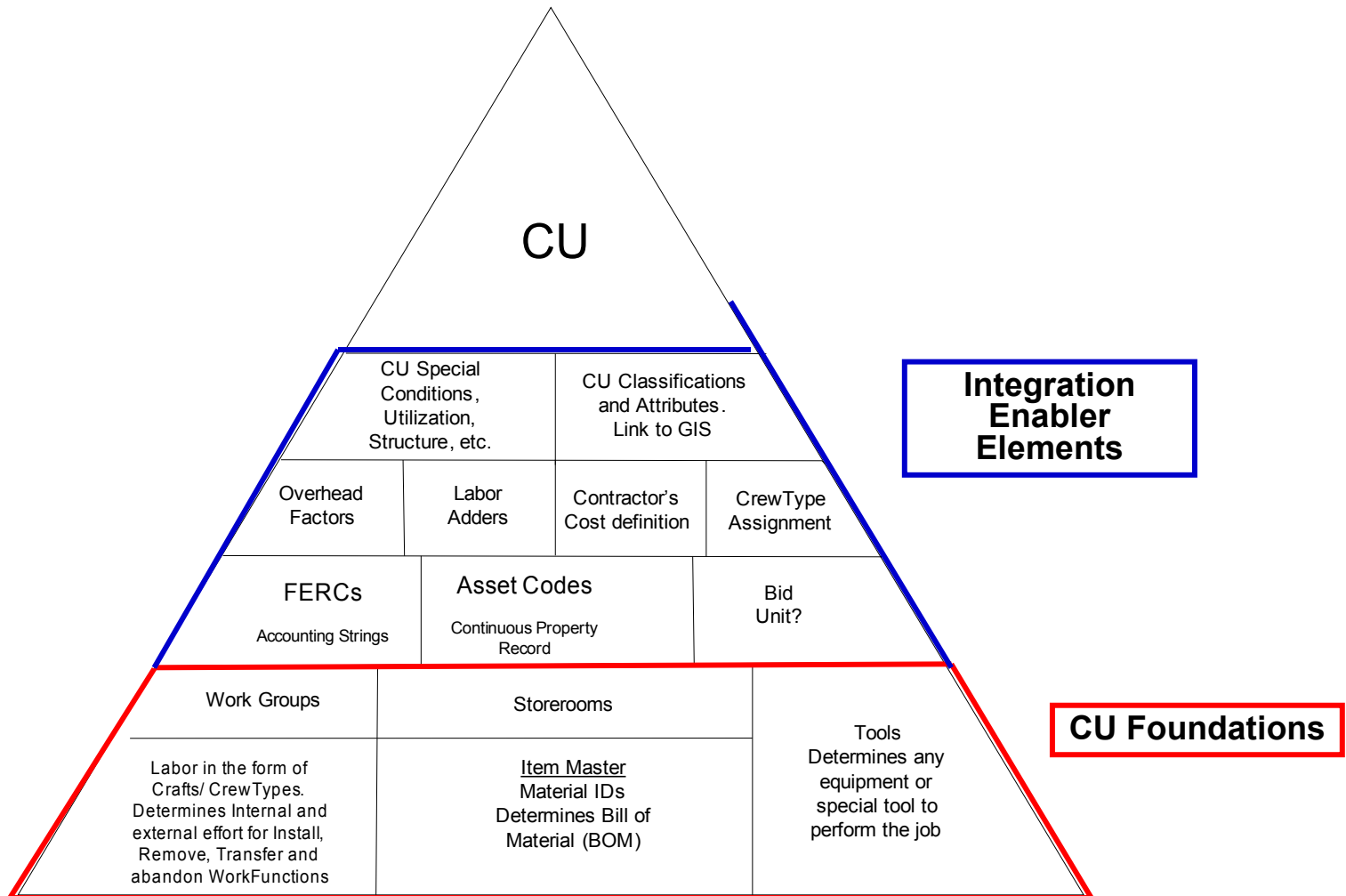
Compatible Units are not simply codes to generate a cost estimate.

Compatible Units are a ***Design Technique.***

Compatible Units Building Blocks



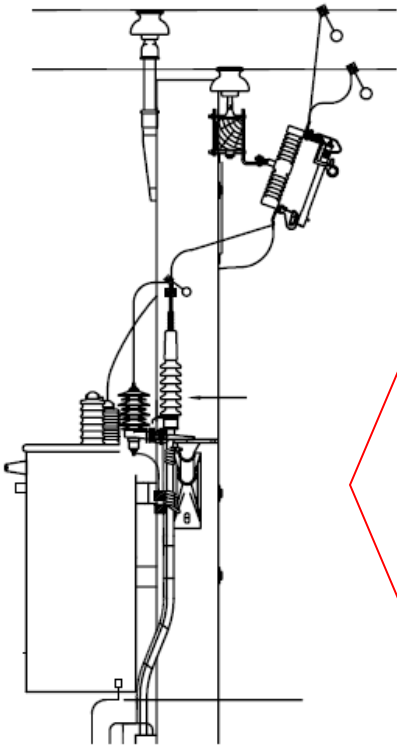
Maximo Building Blocks For Compatible Units



Compatible Units Structure

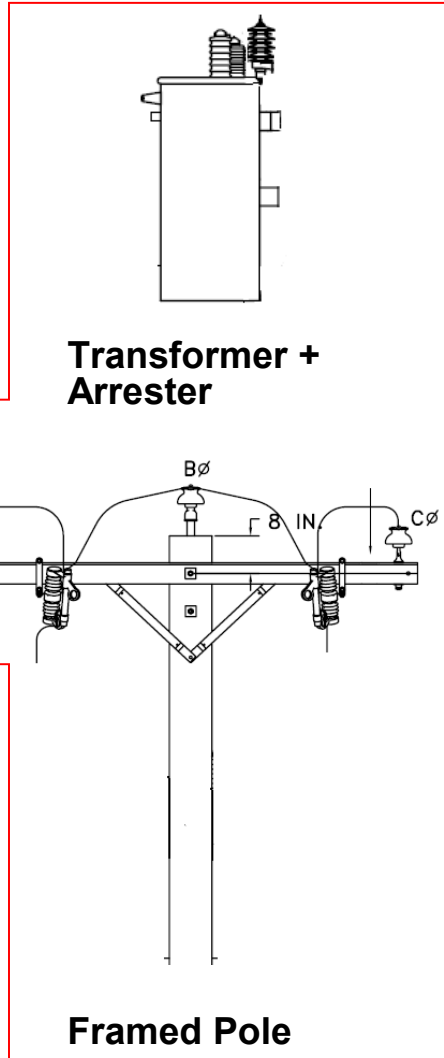


Level 3

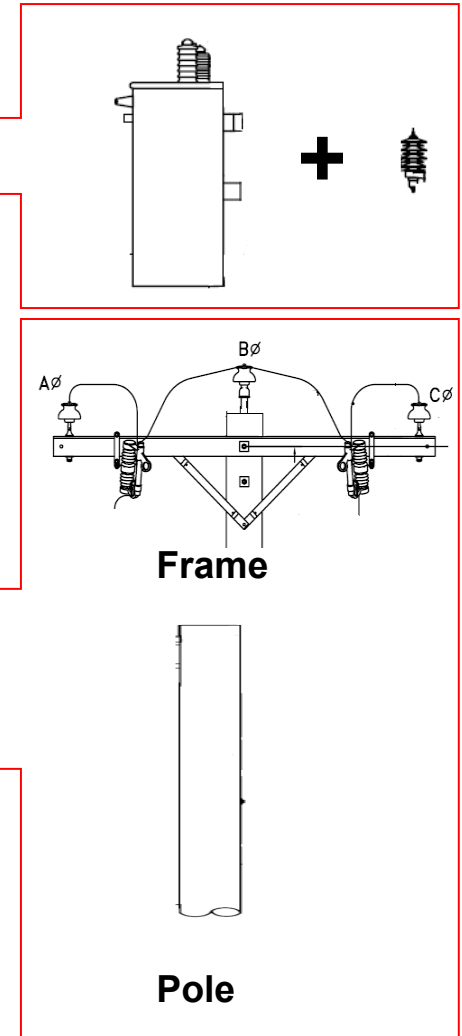


**Compatible Unit
selected by designer**

Level 2



Level 1



When to use Compatible Units?

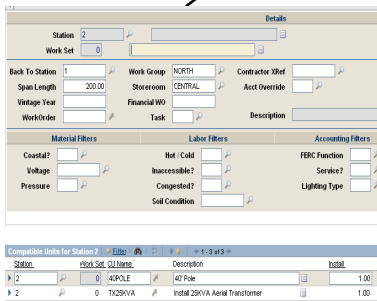


Compatible Units are better implemented when there are repetitive elements of a design (including material, tools or labor components) that systematically can be structured to form comprehensive DESIGN units or Compatible Unit.

CU Business Benefits



Compatible units will also improve management of Long and potentially Short cycle work. The value they offer varies within Function and Life Cycle.



Function	Life Cycle	Short Cycle	Long Cycle
Work Design	Design	⊖	●
Resource Planning (Material, Labor, and Equipment)	Design	Ⓟ	●
Cost Estimating	Design / Approval	Ⓟ	●
Scheduling	Schedule	●	●
Material Requisition	Schedule	●	●
Paper/Electronic Field Order Creation	Dispatch	●	●
Progress Reporting	Construction	⊖	●
Material Reconciliation	Reporting	●	●
Performance Reporting	Reporting	●	●
As-Built Modifications	Reporting/Closing	Ⓟ	●
Asset Unitization/Settlement	Completion	●	●
Contractor Invoicing	Completion	Ⓟ	●
Continuous Improvement	Post-Completion	●	●

KEY	
●	Of Value
Ⓟ	Probable
⊖	N/A, No Use

CU Business Benefits



Compatible units are used throughout the work management process and are the building block that holds the process together. The value they offer varies by the process within the life cycle and whether work is performed by Company or Contractor Crews.

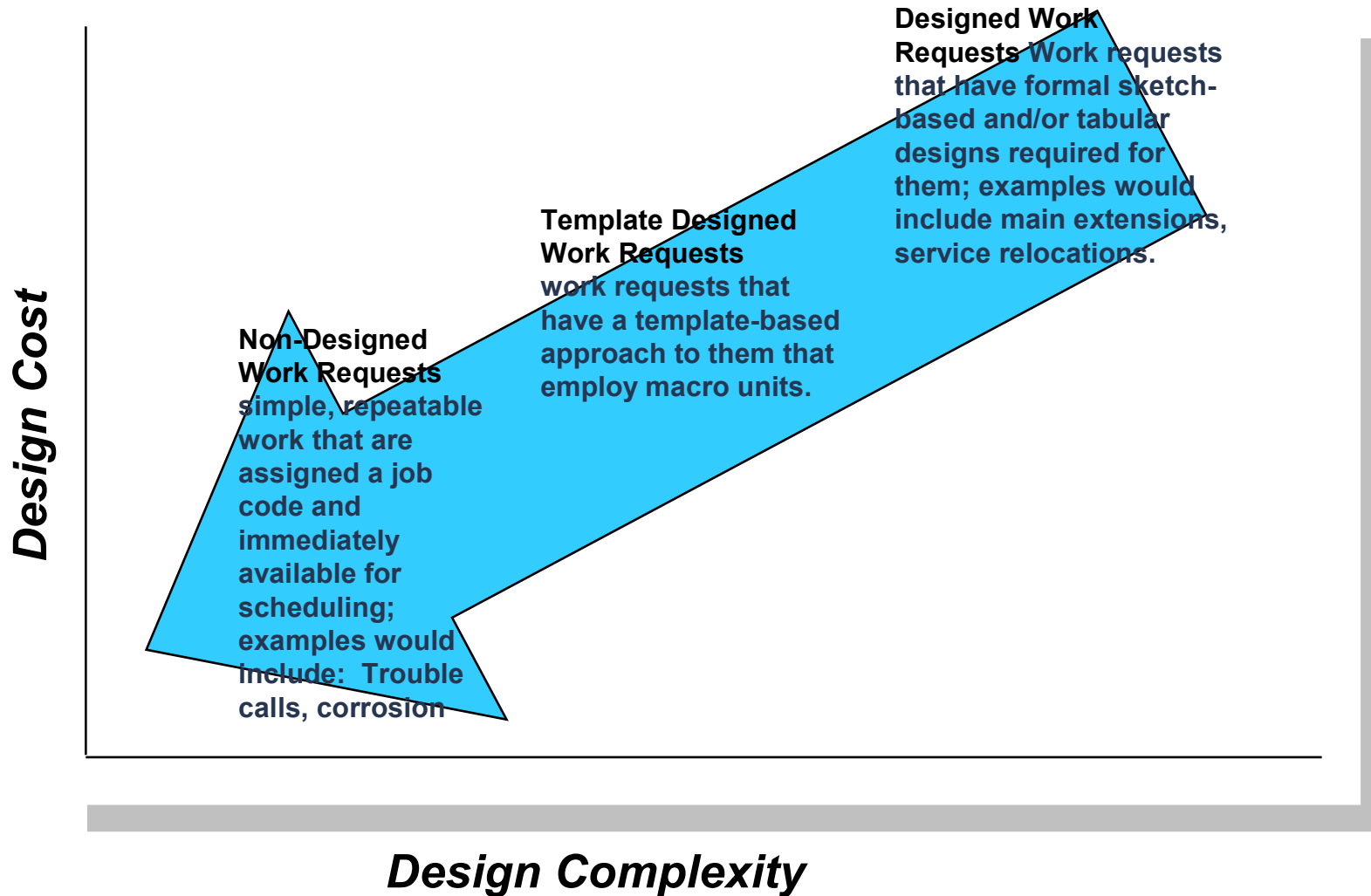
Compatible Units for Station 7

Station	Obj Set	Obj Name	Description	Install
2	0	4RPOLE	40 Pole	1.00
2	0	TK250VA	Instal 250VA Aerial Transformer	1.00

Function	Life Cycle	Company?	Contractor?
Work Design	Design	●	●
Resource Planning (Material, Labor, and Equipment)	Design	●	●
Cost Estimating	Design / Approval	●	●
Scheduling	Schedule	●	Ⓟ
Material Requisition	Schedule	●	●
Paper/Electronic Field Order Creation	Dispatch	●	●
Progress Reporting	Construction	●	●
Material Reconciliation	Reporting	●	●
Performance Reporting	Reporting	●	●
Asset Unitization/Settlement	Completion	●	●
Contractor Invoicing	Completion	⊘	●
Continuous Improvement	Post-Completion	●	●

KEY	
●	Of Value
Ⓟ	Probable
⊘	N/A, No Use

Reduce Design Labor on Work Requests



Compatible Units Benefits: Improve Design / Estimating



The Compatible Units Design Technique enables increased productivity in estimating by:

- Allowing greater use of pre-designed templates
- Simplifying design through standardization
- Automating costing and customer contribution calculations
- Facilitating settlement and financial / plant accounting reporting
- Integrating with external design tools

Compatible Units Benefits: Improve Scheduling



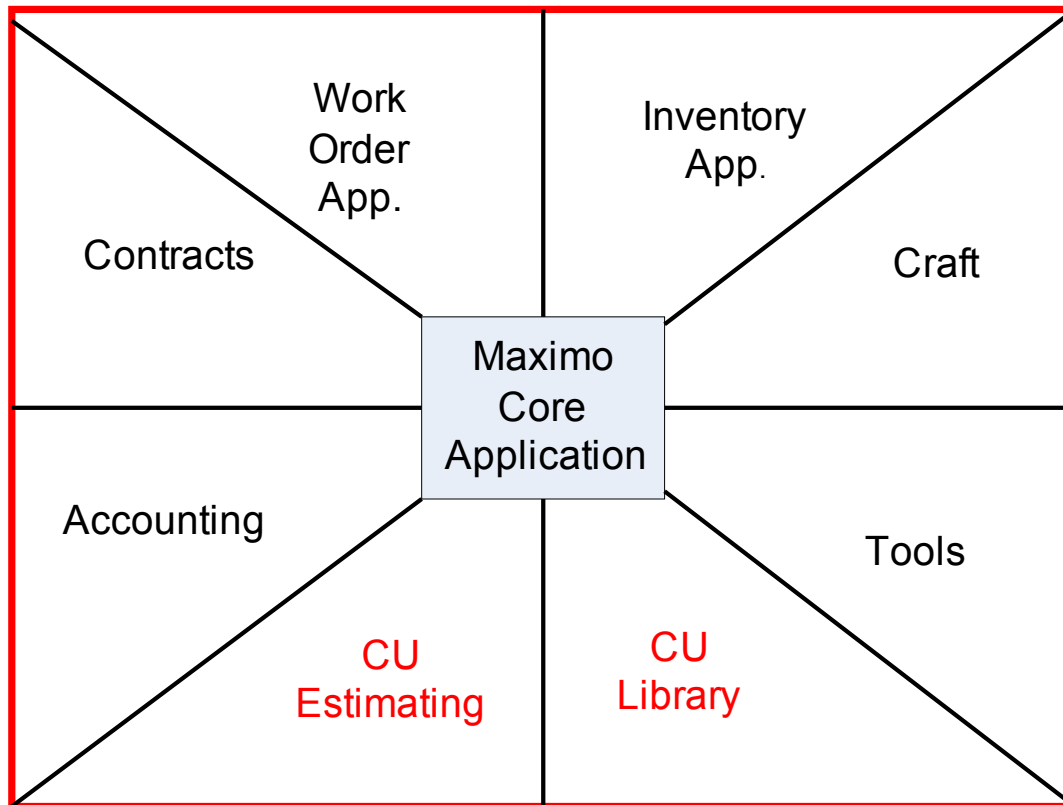
The Compatible Units Design Technique provides the basic building blocks required for accurate scheduling.

- CU's help define the type and quantity of resources required to perform work:
 - Crew Skills
 - Crew Size
 - Duration of effort
 - Vehicles and Equipment
- Allows for efficient and automated scheduling to match available resources.
- Creating field documentation (e.g. work tickets and job packages)

Core Application Integration Approach



T&D Solution



New in 6.3



- Skill level definition at the skill level
- Added “Override Estimate Vendor” to each CU Tool Record
- New Tab that allow multiple Service Items to be added to a CU.
- Added fields for; Overhead Type, Storeroom Site.
- Added Site as a Material Filter
- New Issue Unit column name and “Major Item” checkbox
- Added Overhead Type code to each loading line item
- Added Task Type to the CU and the Work Order Details

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