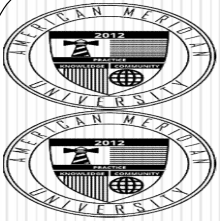


SIPOOC

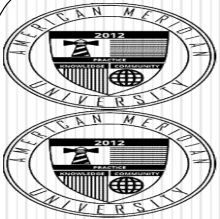
Dr. Bob Gee
Dean Scott Bonney
Professor William G. Journigan
American Meridian University



Learning Objectives

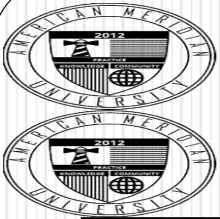
Upon successful completion of this module, the student should be able to:

- Understand the components of a SIPOC Diagram
- Develop a SIPOC
- Understand the relationship between SIPOC and Key Metrics

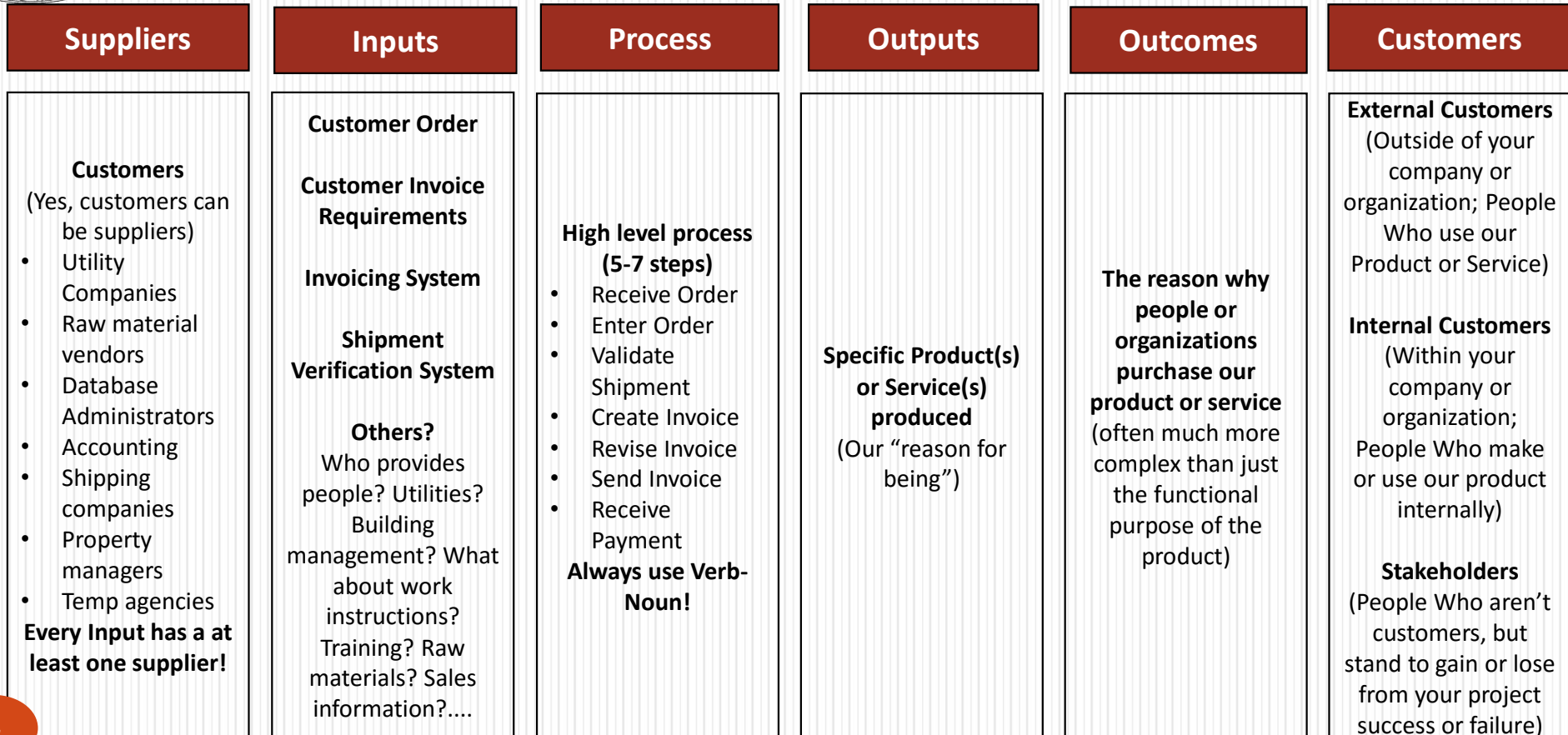


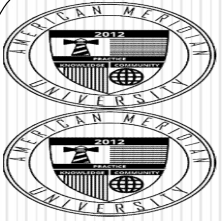
SIPOC Overview – High Level

- Acronym meaning:
 - **S**uppliers (Who gets us what we need)
 - **I**nputs (What we need to make it)
 - **P**rocess (How we make it)
 - **O**utputs (Products or Services)
 - **O**utcomes (Results)
 - **C**ustomers (Clients)
- Represents the chain of elements to put a service or product into customer our customers' hands
- The heart of any SIPOOC is “IPO”. Suppliers help us to think about upstream Inputs, while Customers help us think about downstream Outputs.
- Best Practice: Always consider including “Supplier” and “Customer” representatives on your team



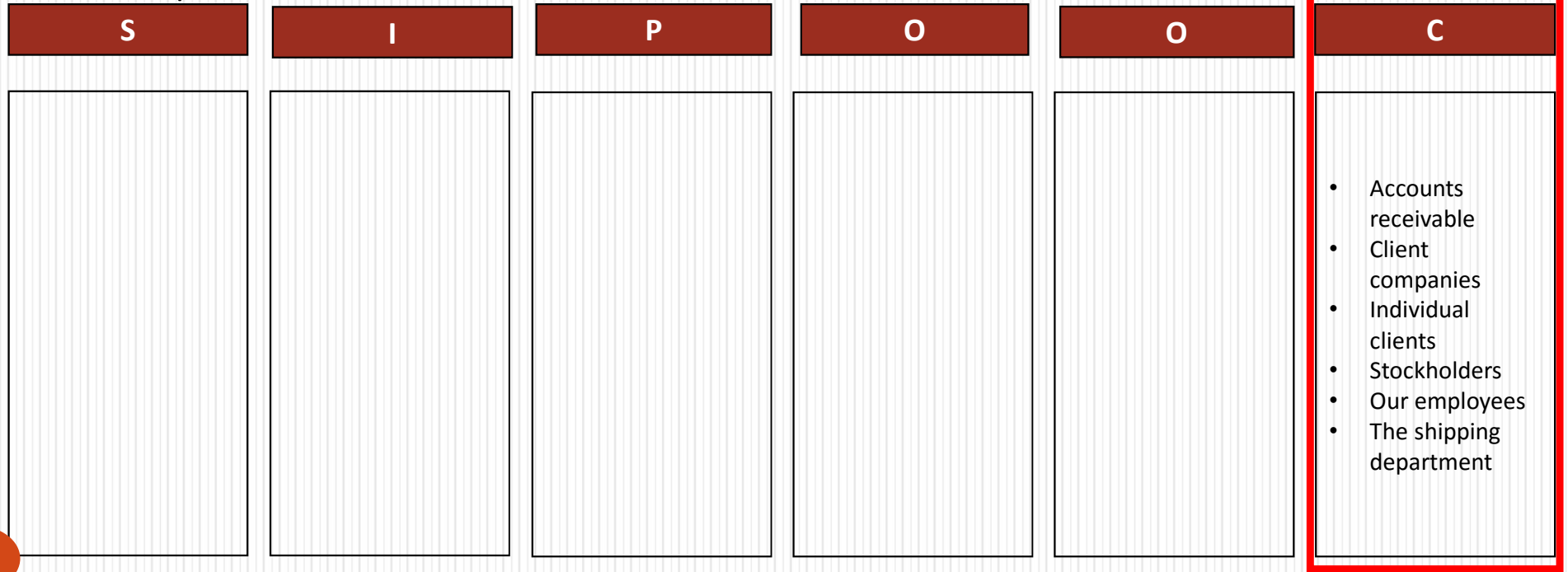
Traditional SIPOOC Layout (with tips!)

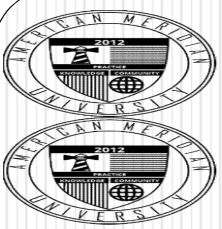




Customers

- Tip: Try the “People who...” approach when brainstorming
- Eg. People who use the process, product, or service (external customers)
- People who buy the product (may or may not be the same as those who use it!)
- People who make the product. People who care about the product. People who hate the product.... Feed the brainstorm!





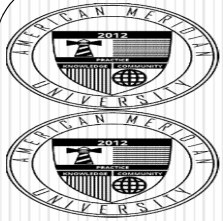
Outcomes

No one does this... but they should!



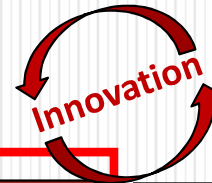
- Why do people purchase your product (what are they trying to accomplish or experience?)
- Why do people choose you over your competitors – or the other way around!

S	I	P	O	O	C
				<p>Only do this for the most important 2-3 customers! Affinitize and multi-vote first!</p> <ul style="list-style-type: none">• To look cool• To make a statement• As an investment• To re-sell	<ul style="list-style-type: none">• Accounts receivable• Client companies• Individual clients• Stockholders• Our employees• The shipping department

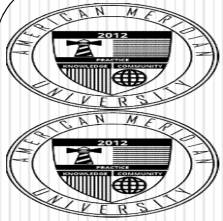


Outputs

- List outputs from the entire process
- If applicable, list outputs from internal and external customers
 - Example: Invoicing process
 - External customer output- invoice
 - Internal customer output- AR transaction



S	I	P	O	O	C
			<p>Only do this for the top 2-3 Outcomes What products deliver the desired outcomes to the critical Clients?</p> <ul style="list-style-type: none">• What products do others make?• What products could we make?	<p>Only do this for the most important 2-3 customers! Affinitize and multi-vote first!</p> <ul style="list-style-type: none">• To look cool• To make a statement• As an investment• To re-sell	<ul style="list-style-type: none">• Accounts receivable• Client companies• Individual clients• Stockholders• Our employees• The shipping department

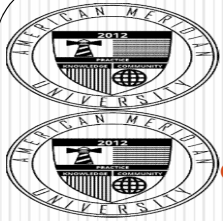


Process



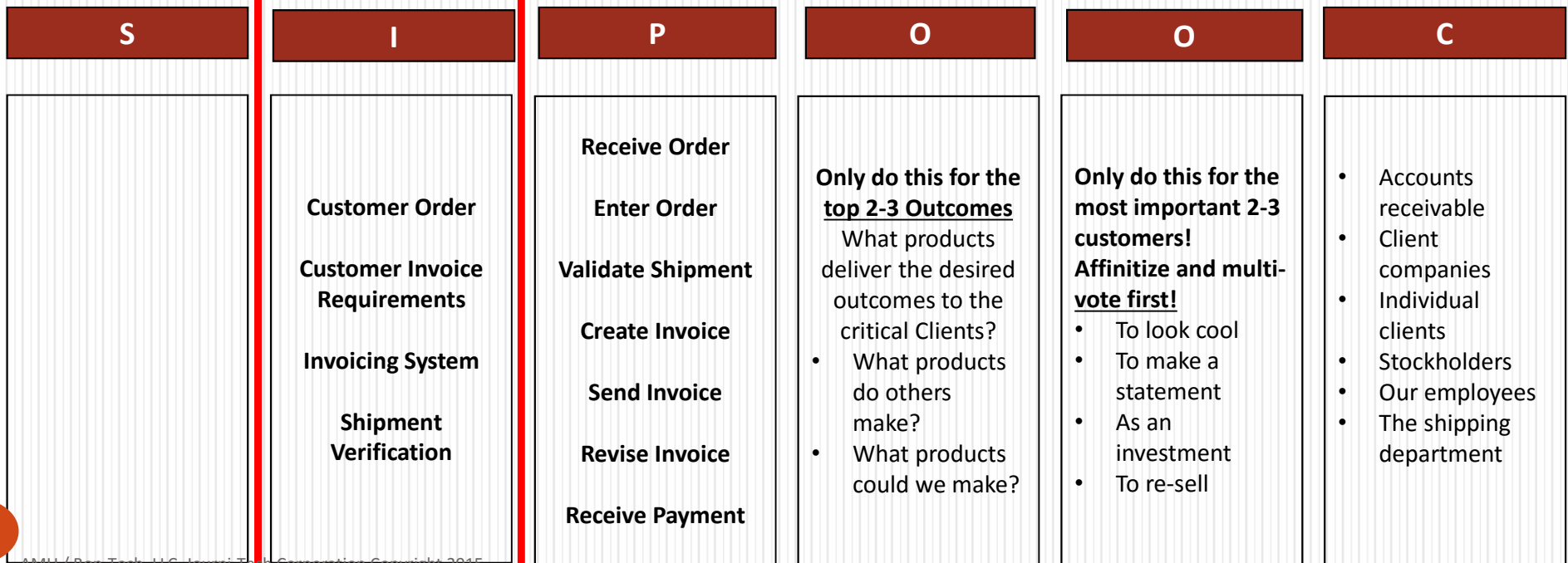
- High level view of the process (5-7 steps); you can drill down later
- List steps sequentially
- Always use Verb-Noun! Why?

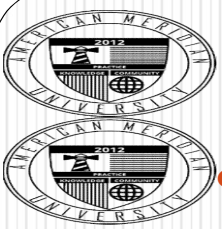
S	I	P	O	O	C
		<p>Receive Order</p> <p>Enter Order</p> <p>Validate Shipment</p> <p>Create Invoice</p> <p>Send Invoice</p> <p>Revise Invoice</p> <p>Receive Payment</p>	<p>Only do this for the top 2-3 Outcomes</p> <p>What products deliver the desired outcomes to the critical Clients?</p> <ul style="list-style-type: none">• What products do others make?• What products could we make?	<p>Only do this for the most important 2-3 customers!</p> <p>Affinitize and multi-vote first!</p> <ul style="list-style-type: none">• To look cool• To make a statement• As an investment• To re-sell	<ul style="list-style-type: none">• Accounts receivable• Client companies• Individual clients• Stockholders• Our employees• The shipping department



Inputs

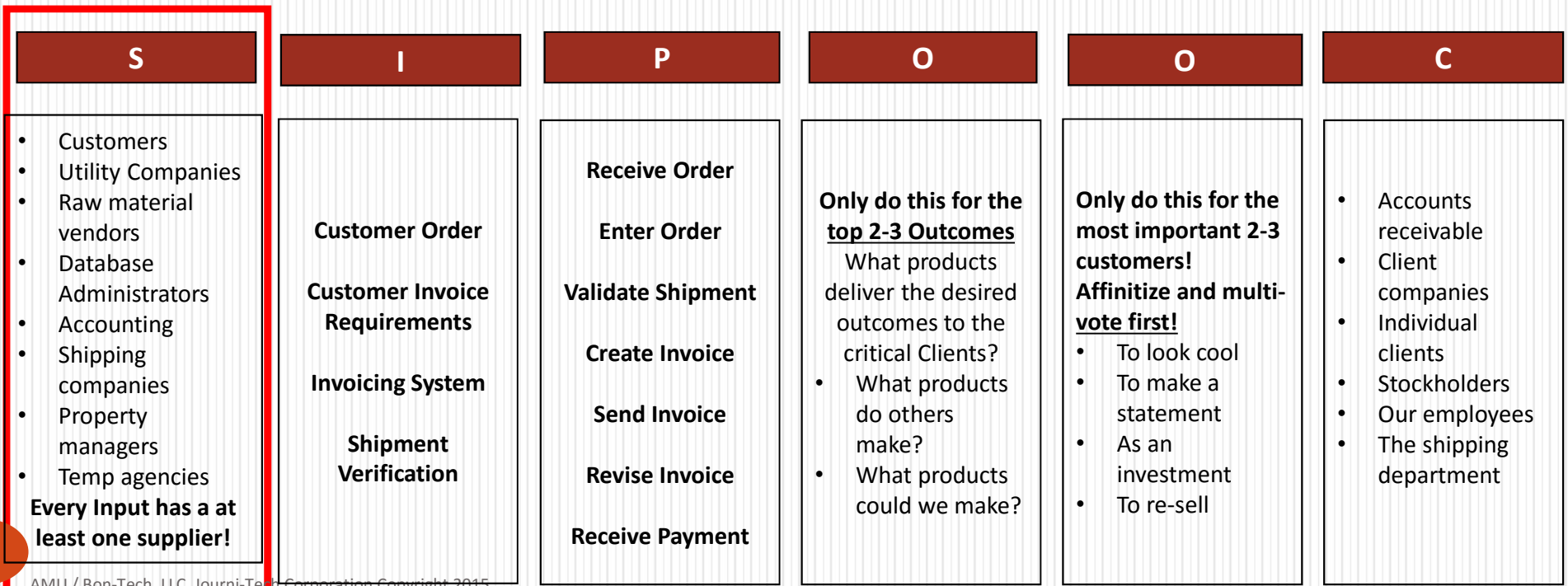
- List things that go into the process
 - Physical objects
 - Information
 - Factors that influence the process

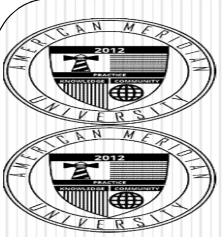




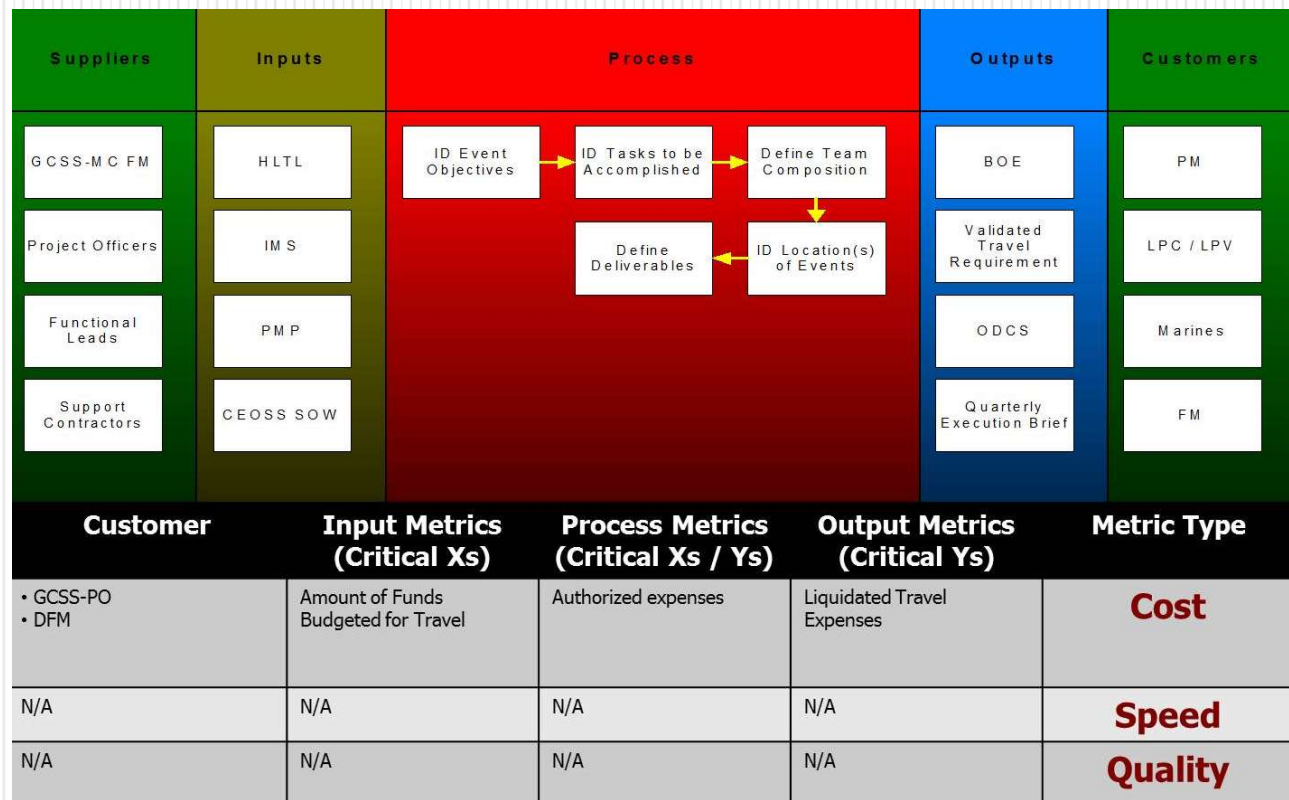
Suppliers

- List any person or organization that provides an input into the process
- List Internal and External suppliers
 - Co-workers, same or different departments / organizations, vendors
 - Try the “People Who...” method again





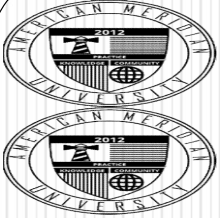
SIPOOC Example



Tip #1: Practice thinking Input-Process-Output (IPO)

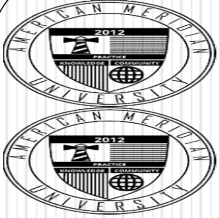
Tip #2: Remember $Y = f(x)$

Tip #3: Remember, contrary to what your business leaders will tell you, process metrics are FAR more useful than financial metrics. Focus on Quality (eg. number of defects / item produced) and time (eg. number of items produced / day). Optimize the process, and you WILL find money!



Final Comments

- This is a team-building tool. The purpose is alignment of context and priorities. Do NOT sweat the details!
- Remember the phases of team building (Forming, Storming, Norming, Performing, Adjourning). This tool is designed for the Forming stage; very simple, very safe, very collaborative. There are no right or wrong answers. It's about the discussion and building a process-centric understanding of your organization.
- Remember that thinking and communicating in a straight line is NOT a natural thing for many people. You are beginning to break down silos and ownership. This is a slow, gentle process of preparing the right people and the right relationships to think rightly and work together to solve problems. Again, it's not about the tool, it's about the outcome it produces!



Summary

In this module you have learned about:

- Understand the components of a SIPOOC Diagram
- Develop a SIPOOC
- Understand the relationship between SIPOOC and Key Metrics

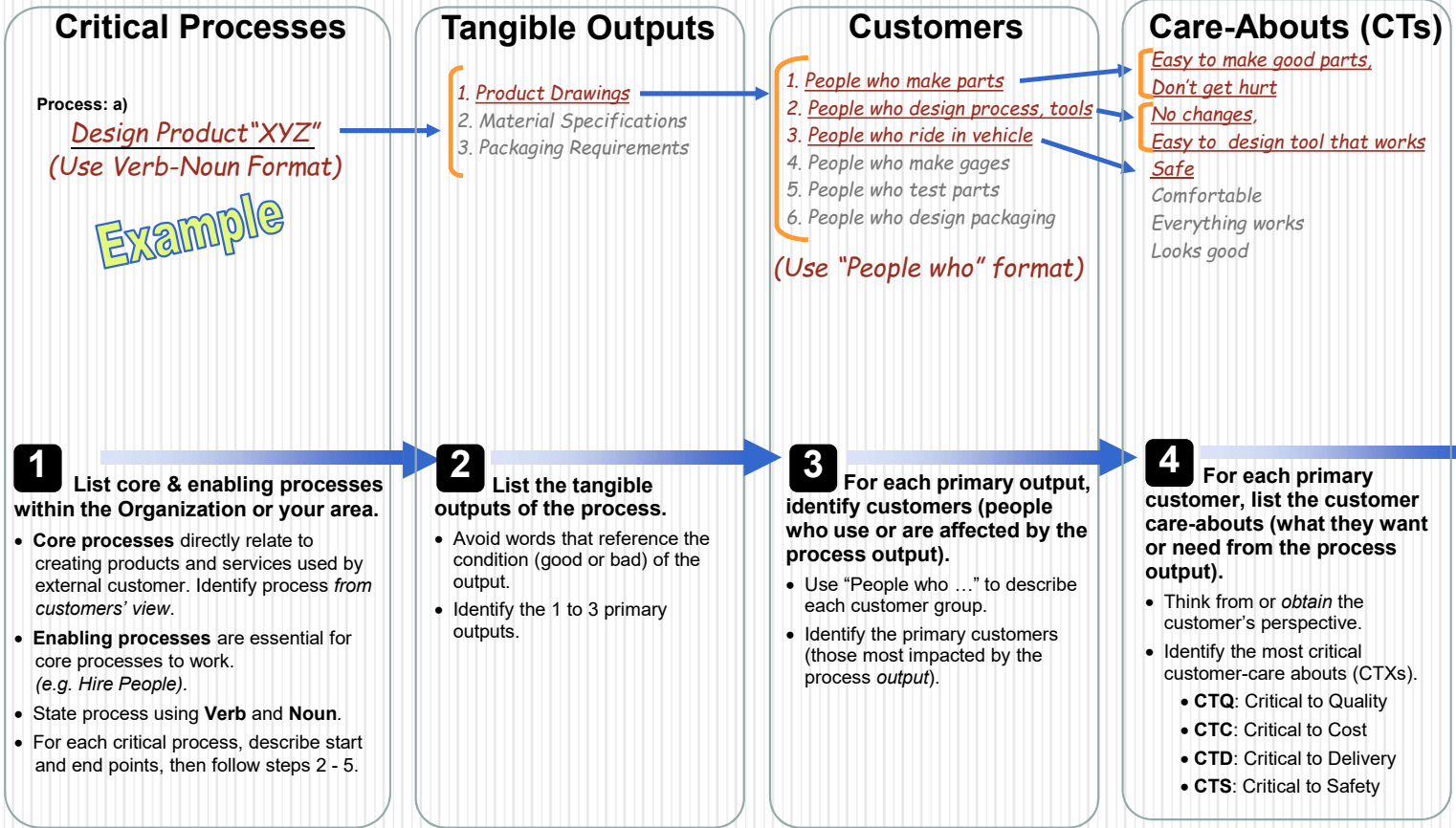


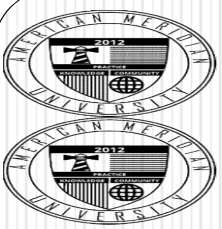
Reference Slides





Connecting VOC to the Value Stream





Converting VOC to Metrics

