

# Business Process Primer – *Core Concepts and Practical Techniques*

Prepared and presented for ING Belgium by  
Adept Events & Clariteq Systems Consulting Ltd.

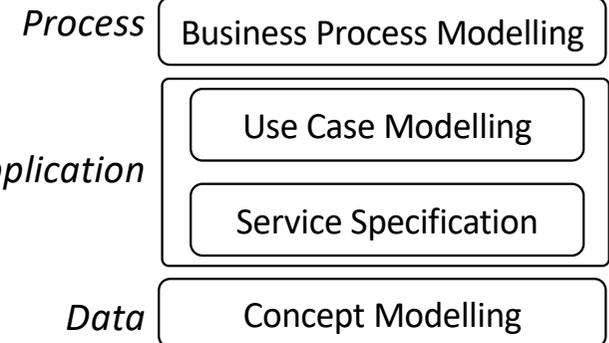
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## Developer/instructor background...



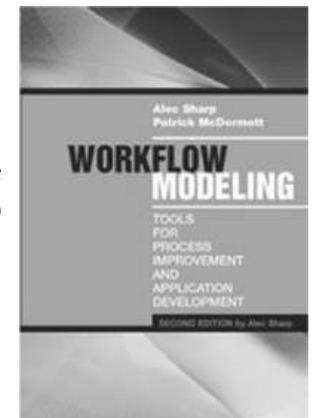
**Alec Sharp**, Clariteq Systems Consulting – [asharp@clariteq.com](mailto:asharp@clariteq.com)

- 40+ years experience as an independent consultant:
  - *Business Process Change* – discover, model, analyse, and design/redesign processes
  - Concept Modelling (Business-friendly Data Modelling)
  - Application Requirements Specification  
+
  - Facilitation & Organisational Change
  - Project Recovery



- Consulting, teaching, speaking globally
- Awarded DAMA's global Professional Achievement Award for contributions to "human-friendly" data modelling
- Author of "Workflow Modeling"
  - best-selling book on process modelling & improvement
  - second edition – 2009 (sole author, complete re-write)

Check out the nice reviews  
on Amazon - <http://amzn.to/dHun1o>



# Clariteq – small, husband & wife company, global clients

ABB (ASEA Brown Boveri)  
Aflac  
American Honda  
AMP (Australia Mutual Provident)  
BackOffice Associates  
Bank of Finland  
Bellrock  
Booking.com  
Brisbane City Council (Australia)  
Canadian Natural Resources Ltd.  
City of Seattle  
Civica UK  
Clearwater Paper  
Corvias  
Dell  
DHL Express  
Dutch National Bank  
Ericsson  
Essity  
Eurojust (European Justice Comm.)  
European Central Bank  
Fortum  
GoFore  
Helse Vest - Norway  
HM Land Registry - UK  
Home Depot  
Idaho Transportation Dept.  
Intel  
ISO New England  
ING Bank

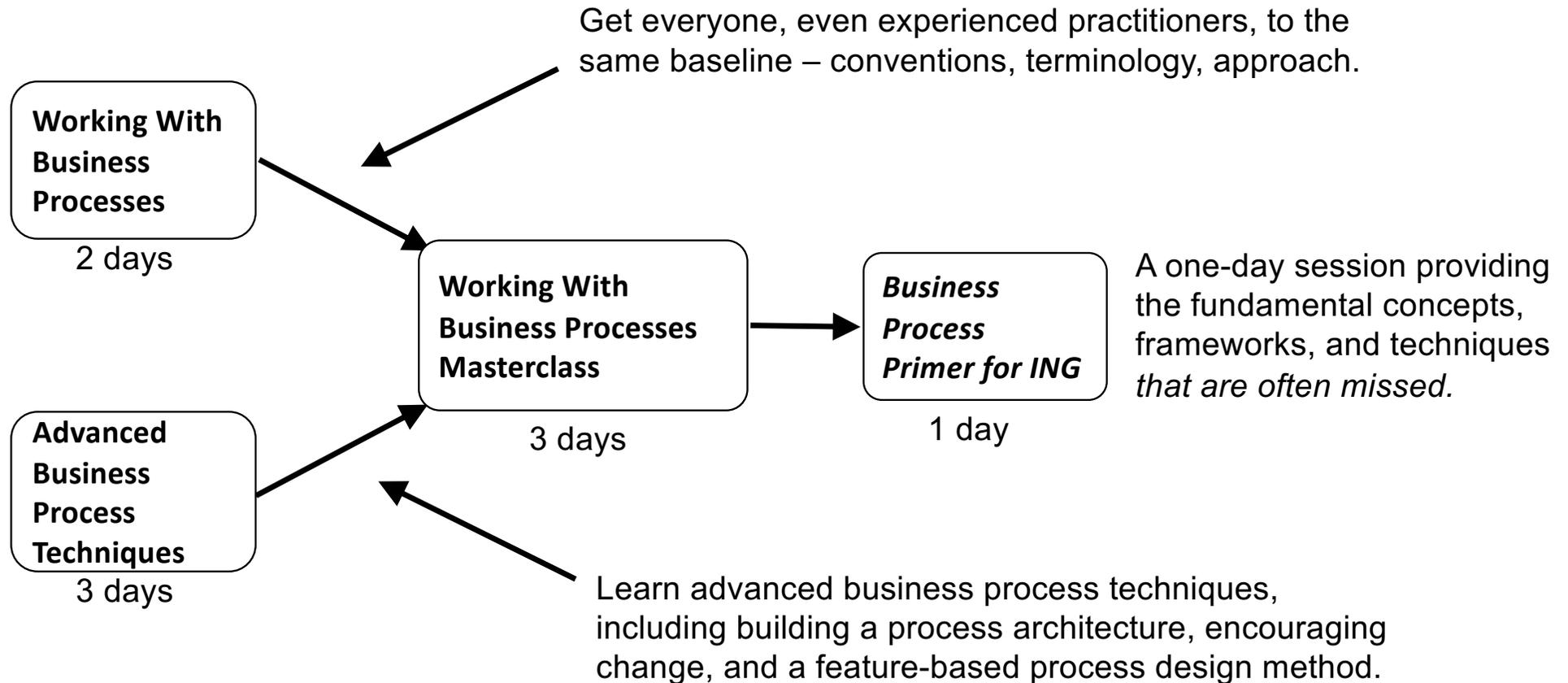
JP Morgan  
Kal Tire  
KONE  
LGM Financial Services  
Liberty Mutual  
Livestock Improvement Corp.  
MacDonald Dettwiler  
Manitoba Public Insurance  
Marathon Pipe Line  
Microsoft  
Ministry of Defence - UK  
Ministry of Defence - NL  
Ministry of the Interior - Slovakia  
MTS Allstream  
Nexen  
Novo Nordisk  
Nusenda Credit Union  
OP Bank  
Partner Reinsurance  
Ritchie Brothers  
Phillip Morris  
Roche Diagnostics  
Salt River Project  
Saudi Aramco  
Serco  
Shell  
Sparta Consulting  
State Street Bank  
SunGard  
SVB (NL)

Synechron  
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Teck  
The MUSIC Group  
The Seattle Times  
UK Government  
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Washington Gas & Light

– Higher Education –  
Carnegie Mellon University  
Cornell University  
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The Jackson Laboratory  
The Ohio State University  
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University of British Columbia  
University of the Fraser Valley  
University of Maryland  
University of Utah  
University of Washington  
Utah Valley University



## Background for this seminar



### Notes:

- This is very compressed, but you will learn techniques that are *immediately useful*.
- If you are serious about the Business Process space, there will still be value in attending the February *Working With Business Processes Masterclass*

# Themes and overview...

Three main themes:

1. *Simple* techniques, *rigorously* applied, help us achieve *more* in *less time*.
2. *Communication with and engagement of* the people who *do* the work is essential.
3. A *holistic* not *technocratic* approach, including *human, social, & organisational* factors.

And finally... **YOU:**

- Name – how should I address you?
- Role / job title and organisation
- Brief description of your work
- A topic you are especially interested in?
- *Please keep your intro under 1 minute*

## Section 1 – Fundamentals

- Four things you *need* to know about *business processes*
- A proven, agile methodology for *Business Process Change*

## Sections 2 to 4 – Techniques

2. Identifying true, end-to-end, cross-functional *Business Processes*
3. Process modelling for *humans*
4. Overview of the transition from *as-is* analysis to *to-be* design

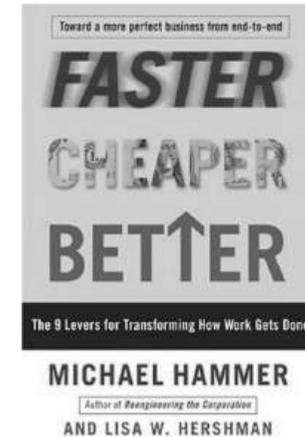
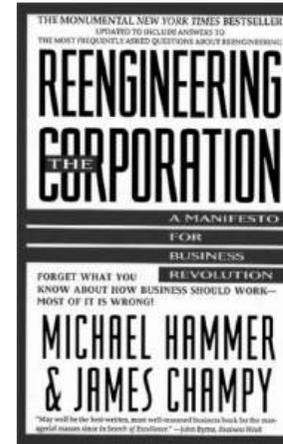
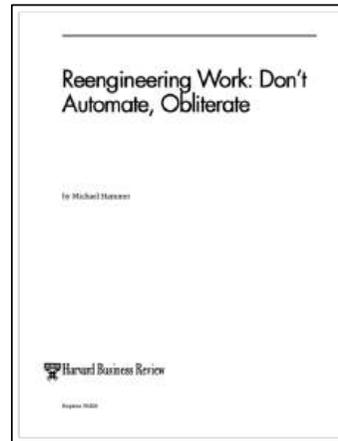
# 1 – Four things you need to know about Business Processes

1. It's essential to have clarity on what a *business process* really is
2. Existing performance measures are often *functionally aligned* and work *against* business processes
3. Success with business processes depends on taking a *holistic view* in which six *enablers* are considered – *it's not a technocratic undertaking*
4. Business processes can't be great at everything – a single *differentiator* or *strategic discipline* should be chosen

# 1. Confusion – what is a “business process?”

1. It is essential to have clarity on what a *business process* really is
2. Performance measures may be *functionally aligned* - work *against* business processes
3. Success with business processes requires a *holistic view* in which *six enablers* are considered
4. A business process can't be great at everything – a single *differentiator* must be chosen

In the early 1990s, Michael Hammer popularised the focus on *business process*



Introduced core terminology:

- end-to-end, cross-functional, functional silo, ...
- even *business process*

Still, people and organisations miss the point...

# Lesson #1 – Never assume everyone agrees what a "process" is

We need some help with our *Product Lifecycle Management* process.

**Not** a single process – it's a *family* of multiple business processes (a *process area* or *process domain*)



I spend all day writing business processes, like the process to *Revise Product Brochure Image*.

**Not** an entire process – it's a *procedure* providing instructions for a single task (SWI – standard work instructions)

A whole *spectrum* of interpretations of *process*.

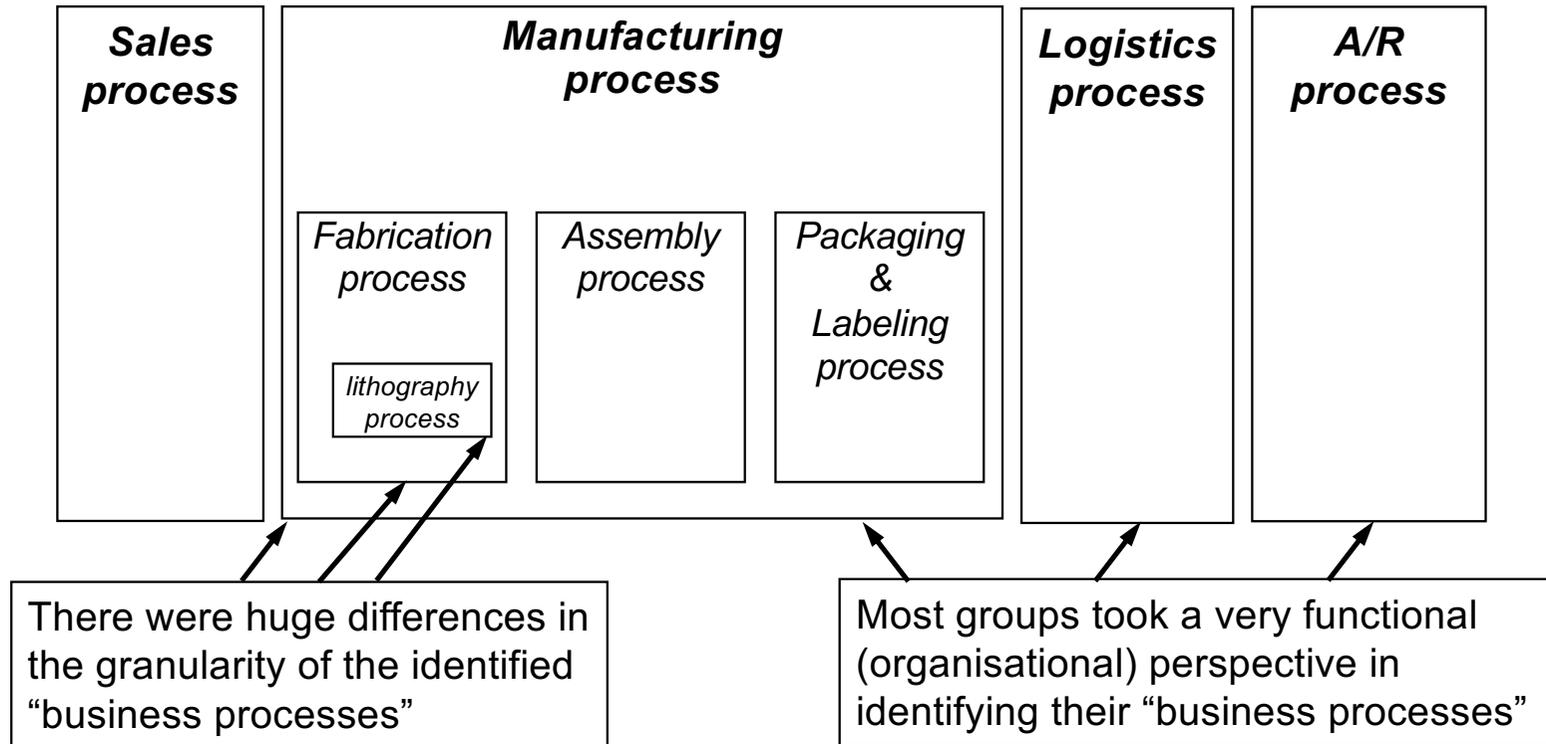
Seek balance – a "business process" lies between the extremes

Most people hear *process* and think *procedure*!

*The key issues – granularity and orientation*

## A real life (and expensive!) example

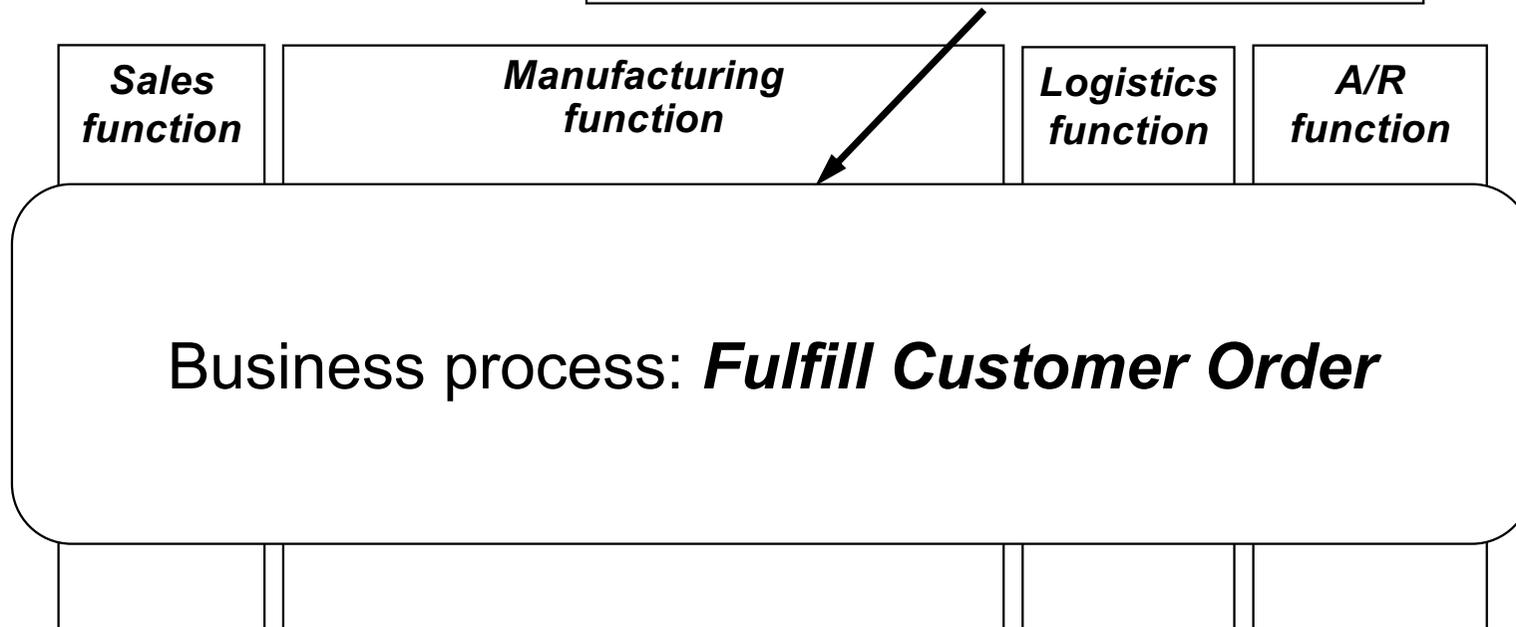
As part of a massive system implementation, a global manufacturer identified the *business processes* that were expected to improve:



The problem? *These aren't processes – they're functions!*

## The “real” business processes were missed

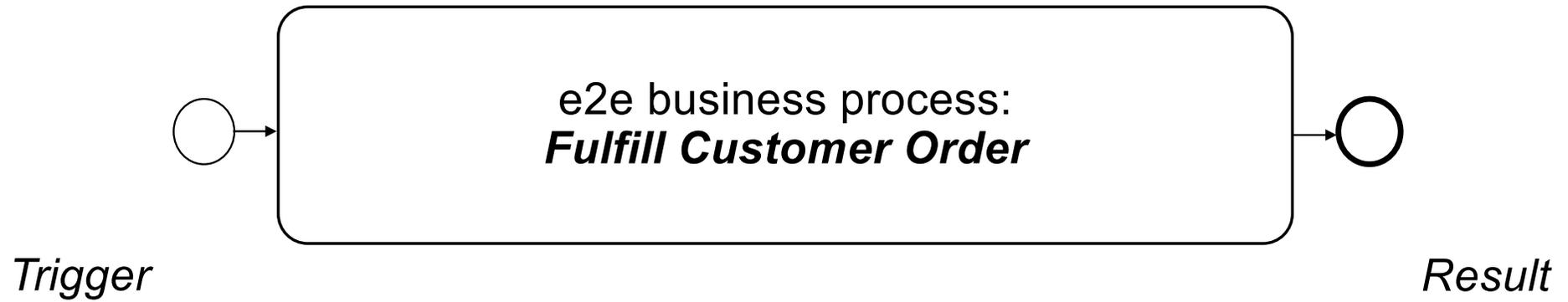
Everyone confused “process” and “function.”  
None of the actual end-to-end processes  
were correctly identified.



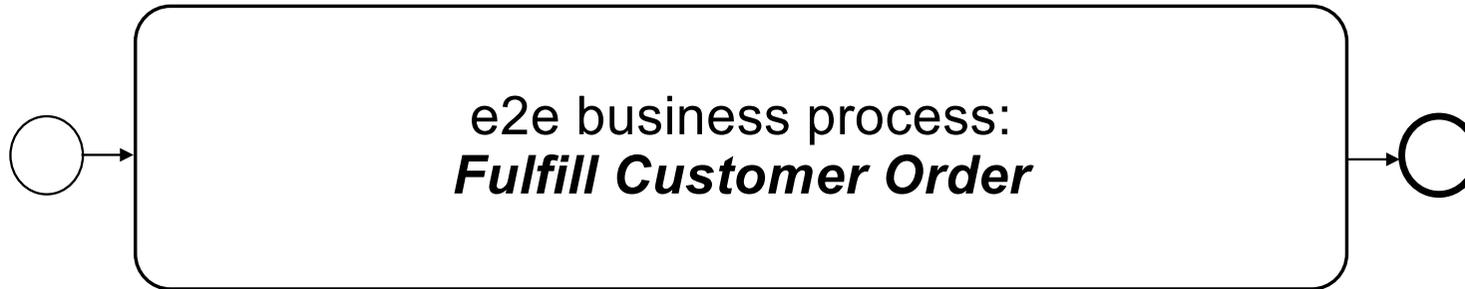
“Business Process” =  
*end-to-end, cross-functional, business process.*

“Larger” than people think – from *initial* trigger to *final* results.

## *Discuss - what are the boundaries of the process?*



## What are the boundaries of the process?



### *Trigger*

Order received? *No.*

Before that...

- Contract is Finalised
- Price & Schedule are Negotiated
- Specifications are Confirmed

And before that...

- Demand is Signalled. *Yes.*

### *Result*

Order is Shipped? *No.*

Order is Received? *No.*

Order is Received, Tested,  
and Accepted? *Yes.*

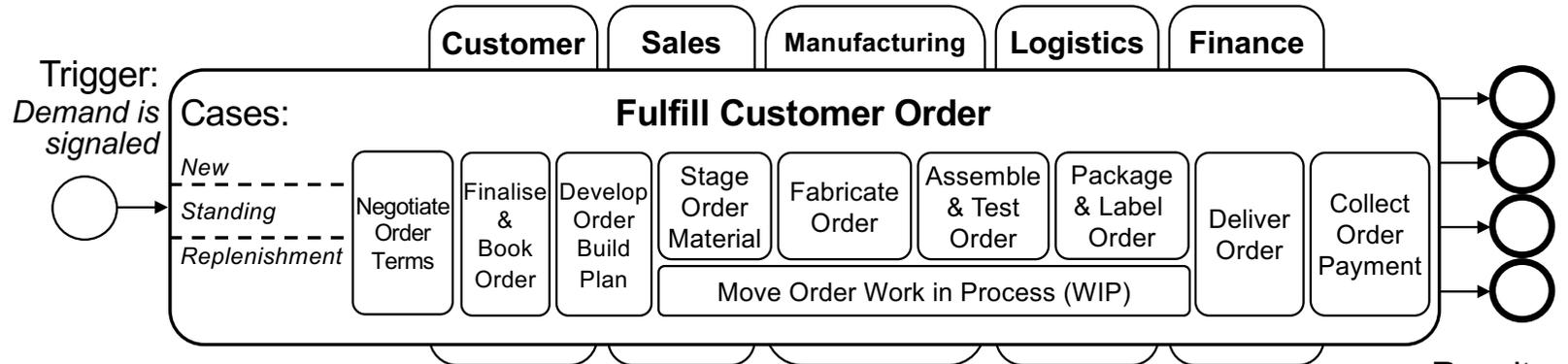
Any other results?

*Yes, for other stakeholders.*

*Always trace to the earliest trigger,  
and to the final results for each stakeholder.*

# Process Scope Model – “what” first, “who and how” later

I build a Process Scope Model & a Process Summary Chart on ~100% of Project Recovery assignments -



“TRAC” –

1 – Triggering event or events

2 – Results: final outputs

- result(s) received by the process' primary customer
- result(s) for other stakeholders (performers, owner, supplier, regulator, ...)

3 – Activities: 7 +/- 2 phases, milestones, or sub-processes

- a phase achieves a significant intermediate result
- simply ask the participants for ~5 to 7 milestones within the process

4 – Cases

- main variations, e.g. “new order” vs. “standing order”
- verb – qualifier – noun

5 – Functions or Organisation Units

6 – Actors and responsibilities

7 – Systems, data sources, other mechanisms

↑ essence of the process (“what”)

↓ as-is elements of the process, for clarification (“who and how”) (6 and 7 not shown)

Results:

**Customer:**

Goods received, tested, & accepted

**Owner:**

Payment received

**Performer:**

Commission credited

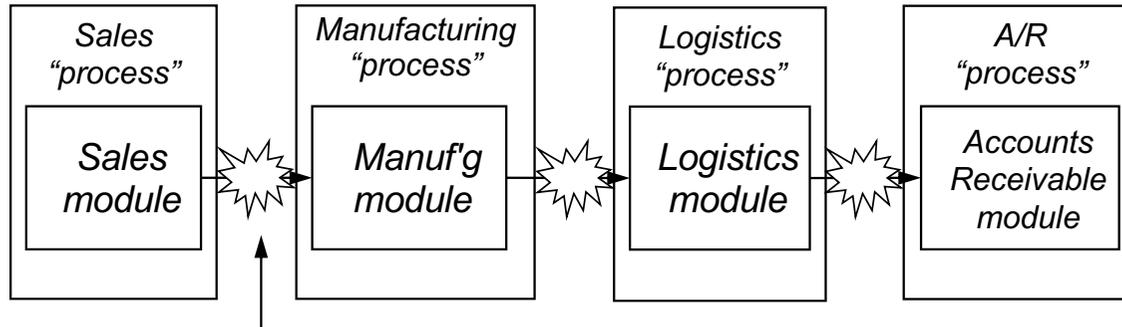
**Industry Association:**

Order stats reported

Always construct a Process Scope Model & a Process Summary Chart before diving into Workflow Modelling / Swimlane Diagramming

# Resolving the situation

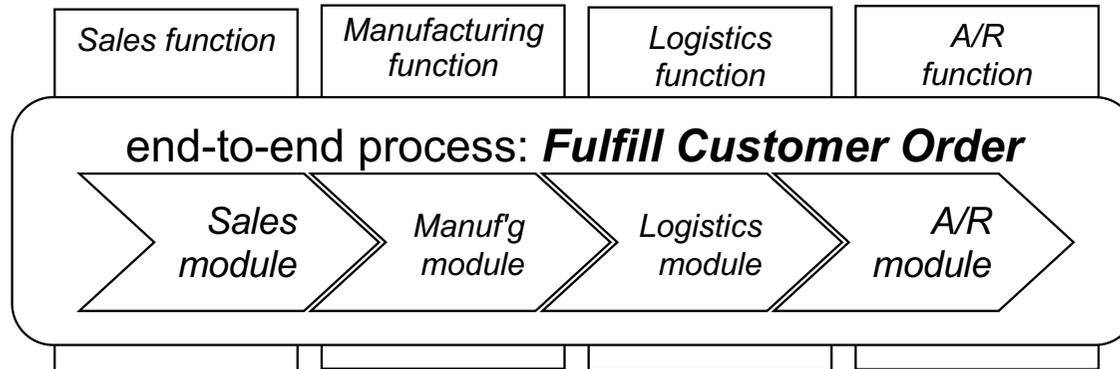
*SAP was implemented without clarity on “process” –*



Poor performance

*Conflicts: timing, coding, terminology, data formats, performance targets, ...*

*SAP re-implemented in a process-driven configuration –*



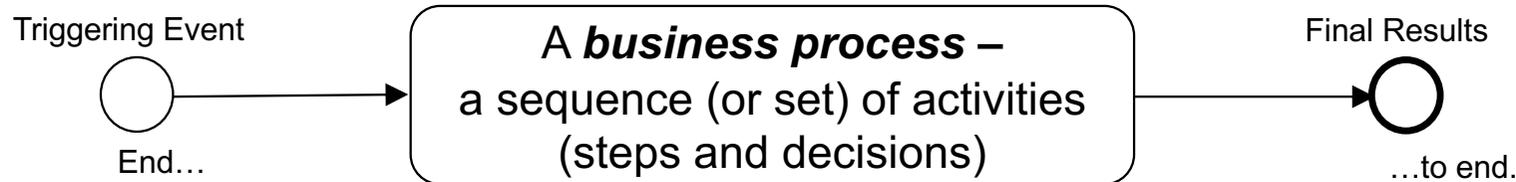
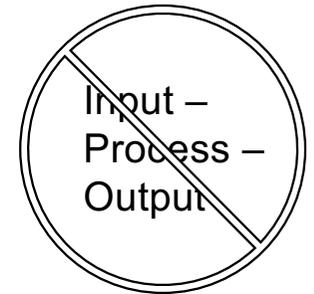
Great performance

*Same software, radically different outcomes*

# The essential framework

## Business Process:

- a sequence (or set) of *activities* (steps and decisions,)
- initiated in response to a *triggering event*,
- that achieves a defined *result* for each process stakeholder



- Three types of events:
  - Decision-based (action)
  - Time-based (temporal)
  - Data-based (conditional)
- The *earliest* triggering event

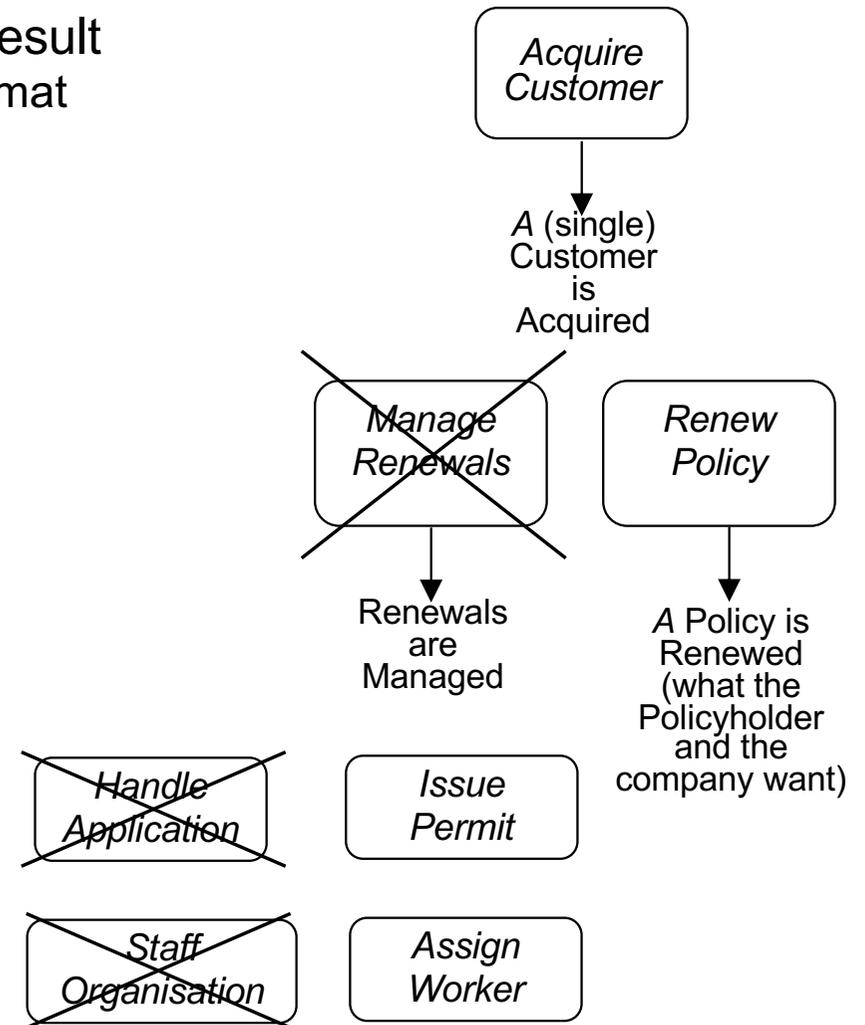
- Important processes are virtually always cross-functional and involve multiple actors / roles
- May be a defined *sequence*, or a more ad hoc *set* of activities
- First, identify "*what*" it includes – Trigger, Results, Activities, Cases ("TRAC")
- Later, we add "*who and how*," then map the process flow, if there is one

- Three types of results:
  - A service
  - A good
  - Information
- The *final* result

"What" before diving into the "who and how"

# Naming conventions will make life easier

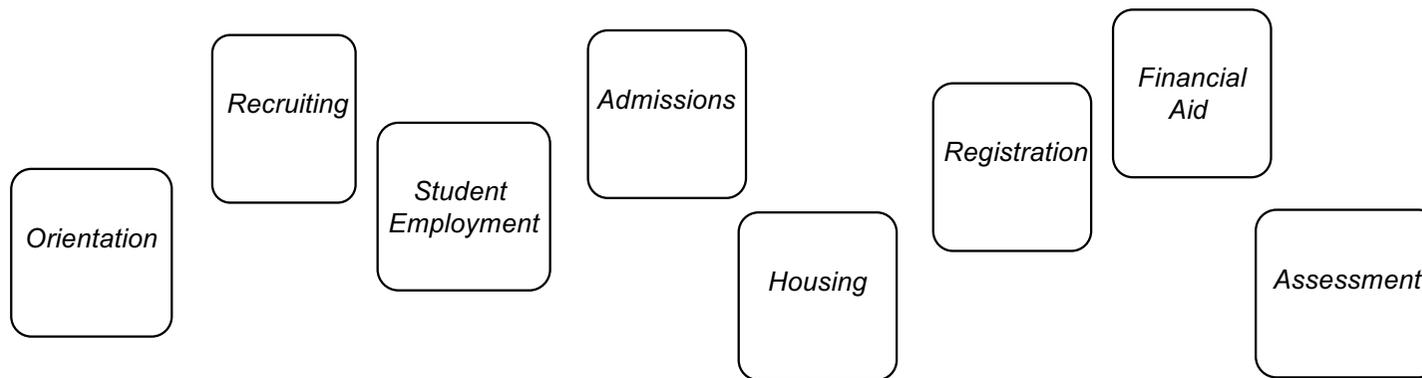
1. The process name **must** indicate the expected result
  - Name potential process in “active verb – noun” format
  - Restate that name as a result (“noun is verbed”)
  - Ensure this is the intended result of the process: *discrete*, so results are *identifiable & countable*
  - **No mushy verbs:** manage, monitor, administer, handle, track, support, maintain, etc.
  - **Active verbs only:** *Evaluate Prospect, Acquire Customer, Fill Customer Order, Resolve Customer Issue, ...*
  - Applies to business processes, phases (subprocesses,) activities, steps, ...
2. Name process from customer's perspective (what do they want from the process?)
3. Name process in the singular



## *If there's time, an example from higher education*

*As part of a strategic initiative to address falling graduation rates, a university took a process-based approach to determine why they were failing to admit the most promising candidates...*

*The "processes" that were initially identified...*

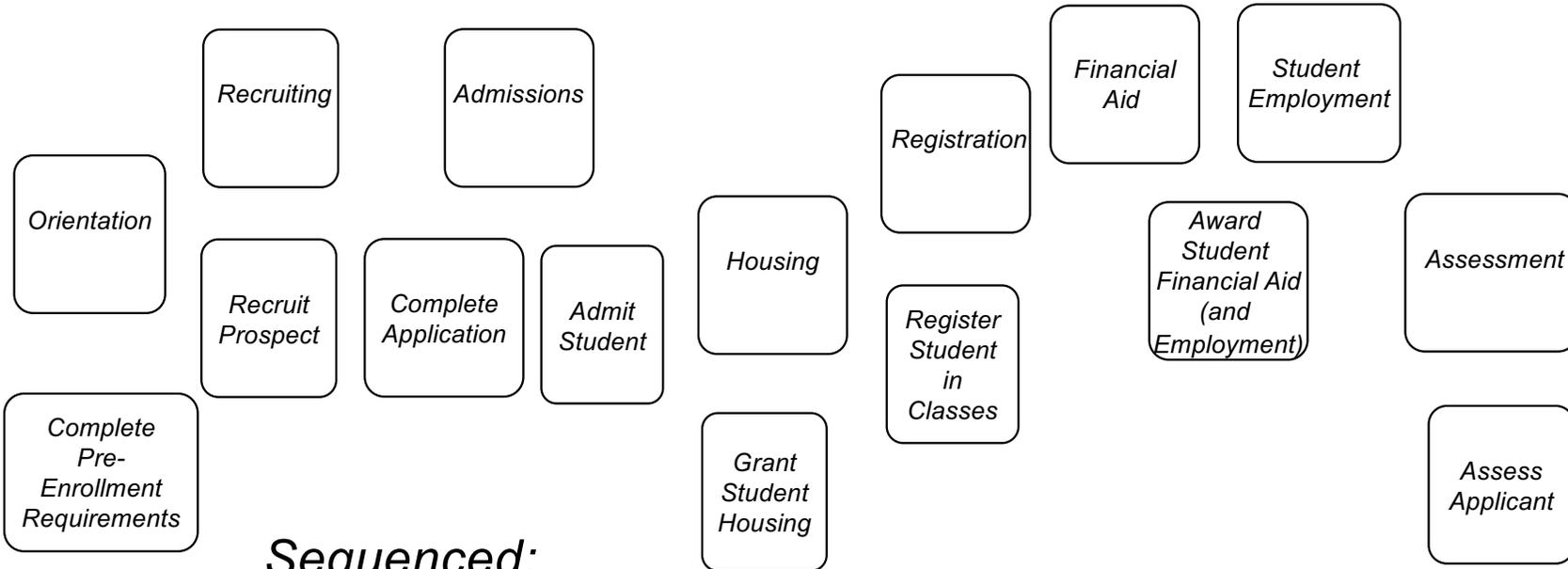


Are these good business processes? **NO!!!**

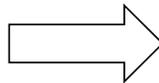
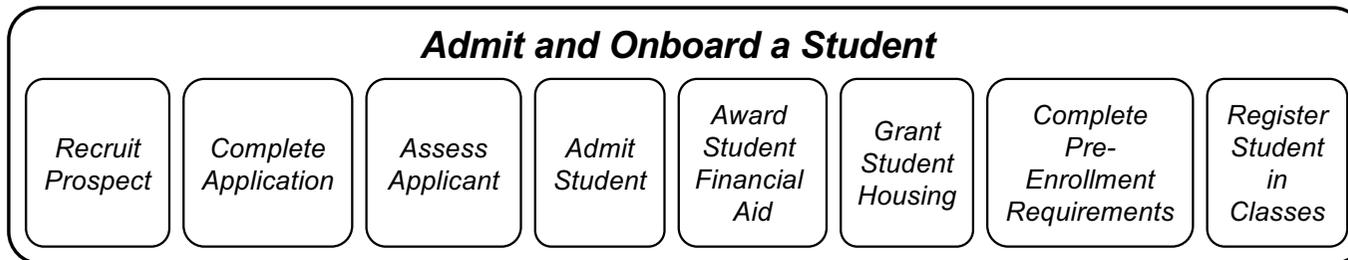
- not named with an "active verb and noun"
- each of these is a department or function.

We convened a facilitated session to determine the "real" process

# Rename, reduce, refine, and sequence

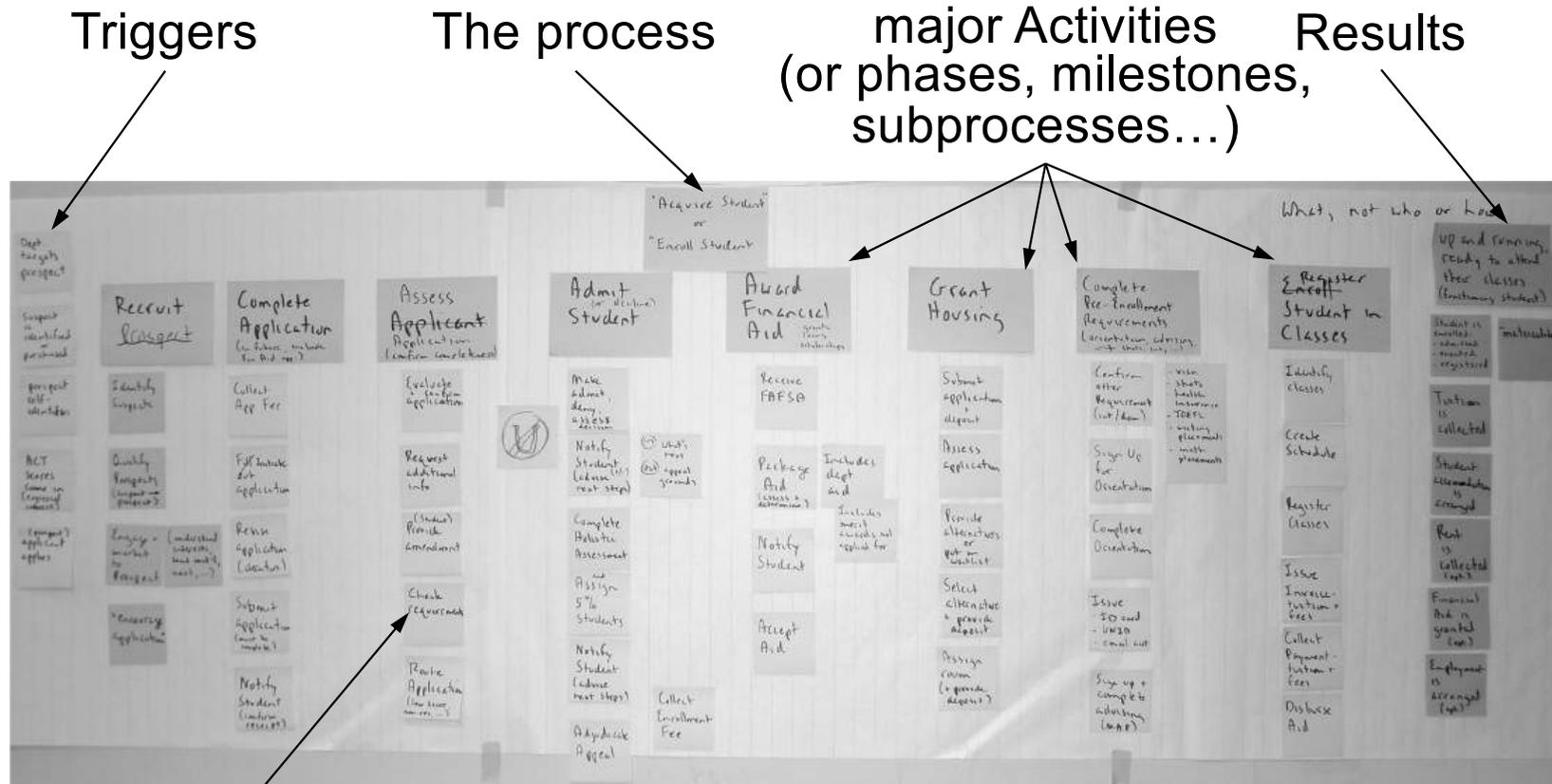


**Sequenced:**



Token: A student,  
from prospect to registered

# From the session – “Is it a single X-functional process?”

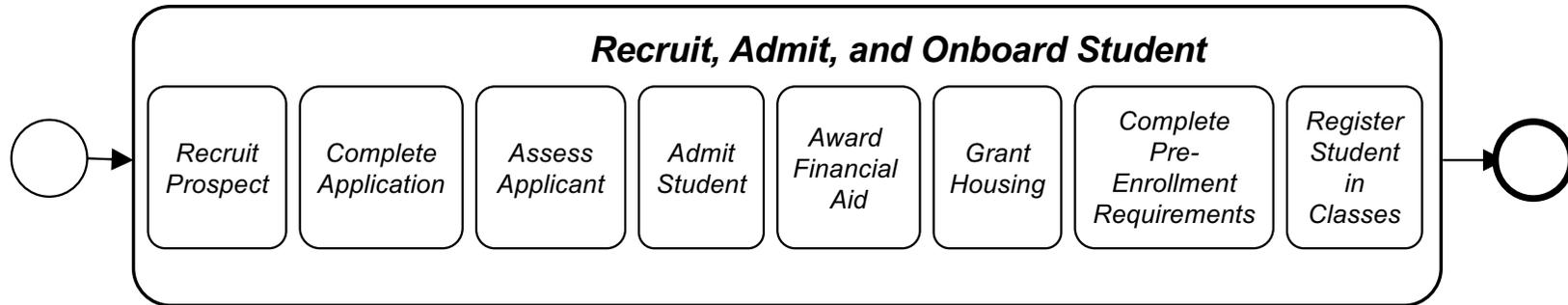


More detailed activities

Focus is on “what, not who or how.”  
Note the high-tech tools.

Very iterative, but only 90 minutes!

# The cleaned-up “Process Scope Model”



## Triggering Events:

- Dept. targets prospect
- Suspect is identified or purchased
- Prospect self-identifies
- ACT scores come in
- Prospect applies
- ...

## Cases:

- In-state undergrad
- Out-of-state undergrad
- ...

## Final Results:

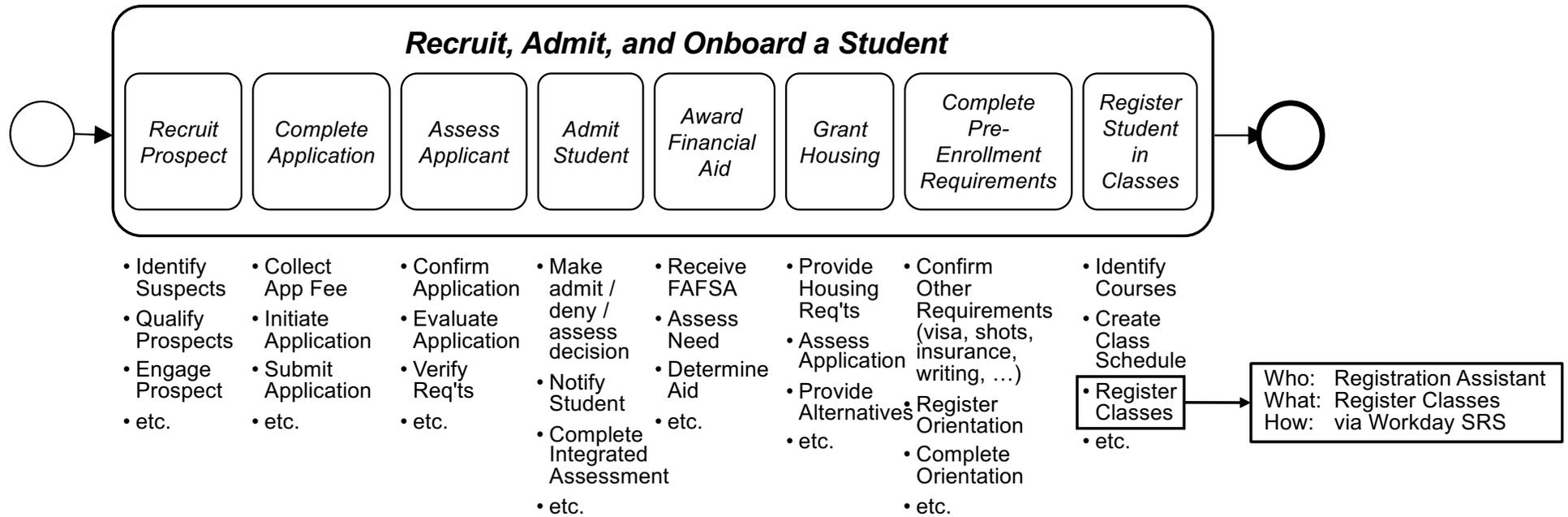
“Up and running,”  
ready to attend classes:

- Student is:
  - admitted
  - oriented
  - registered
- Tuition is collected
- Student accommodation is arranged
- Financial aid is granted
- Employment is arranged
- ...

## TRAC –

- Trigger
- Results
- Activities (~5-7 phases or milestones)
- Cases (major Variants)

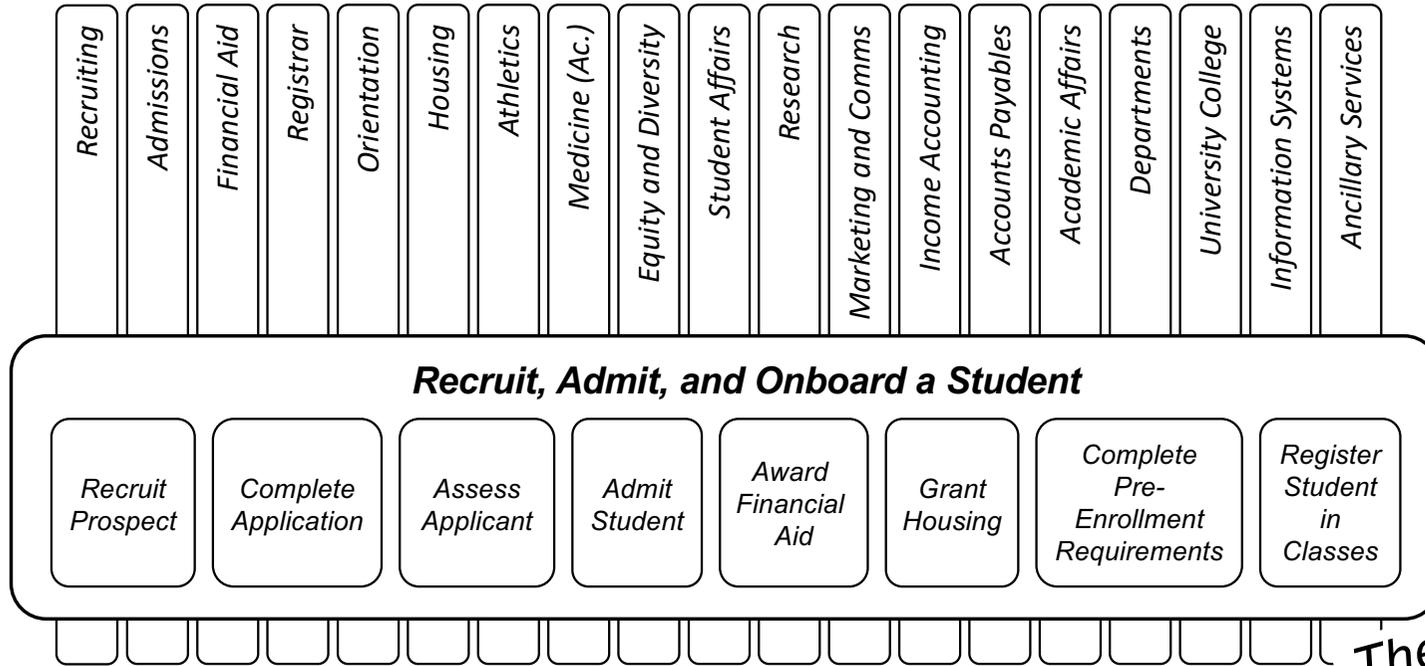
# The cleaned-up “Augmented Scope Model”



*Typically, 5 – 7 activities identified within each major activity.  
 Initially just “what” (verb – noun) – later, add “who and how,”  
 e.g., Registration Assistant (who) Register Classes (what) via Workday SRS (how)*

*Identifying the functional area responsible for each activity revealed the process was massively cross-functional...*

## Process Summary Chart shows an astonishingly cross-functional process



The point – the execs said  
"Get on with it! There's no  
need to burn up \$50,000  
on a business case."

Without explicitly addressing the end-to-end process:

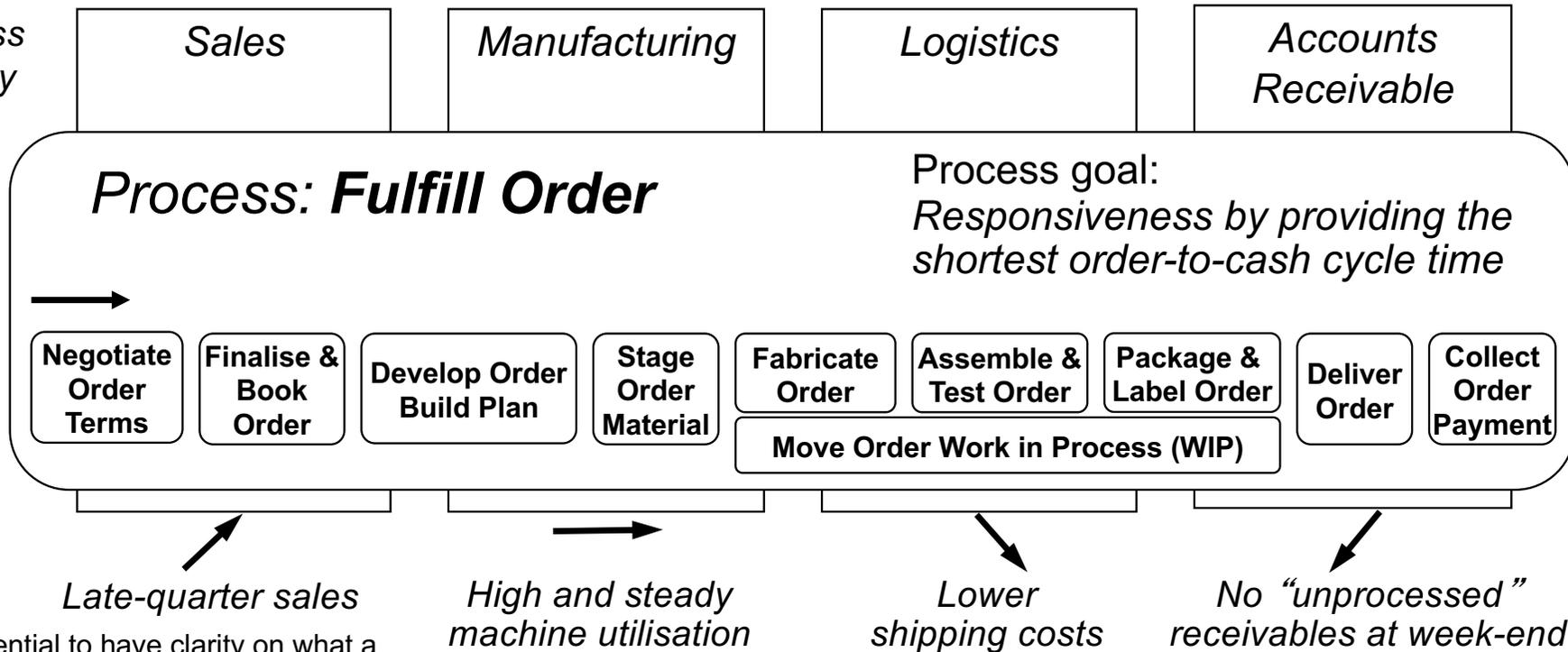
- almost no chance the student experience is positive
- very frustrating for the people doing the work
- almost no chance the university is going to meet its goals

Two key points:

1. Functions are doing their best to optimise their activities
2. A multitude of dis-integrated systems and data sources are being used

## 2. A common obstacle – misaligned performance measures

A Process Summary Chart



1. It is essential to have clarity on what a business process really is

2. Performance measures may be *functionally aligned* and work *against* business processes

3. Success with business processes requires a *holistic view* in which six *enablers* are considered

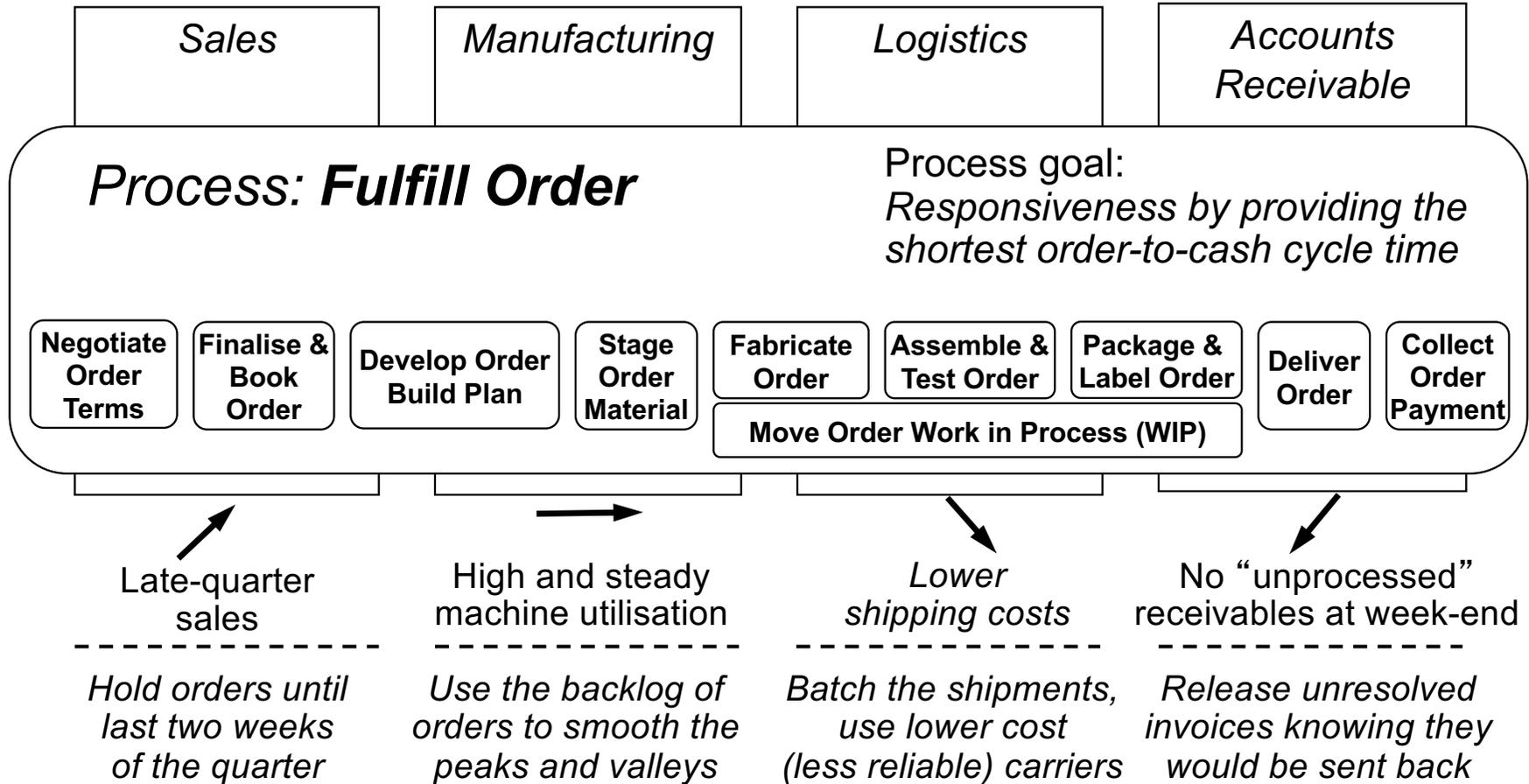
4. A business process can't be great at everything – a single *differentiator* must be chosen

But... performance measures were established *functionally*, before awareness of the *end-to-end process*

Discuss –

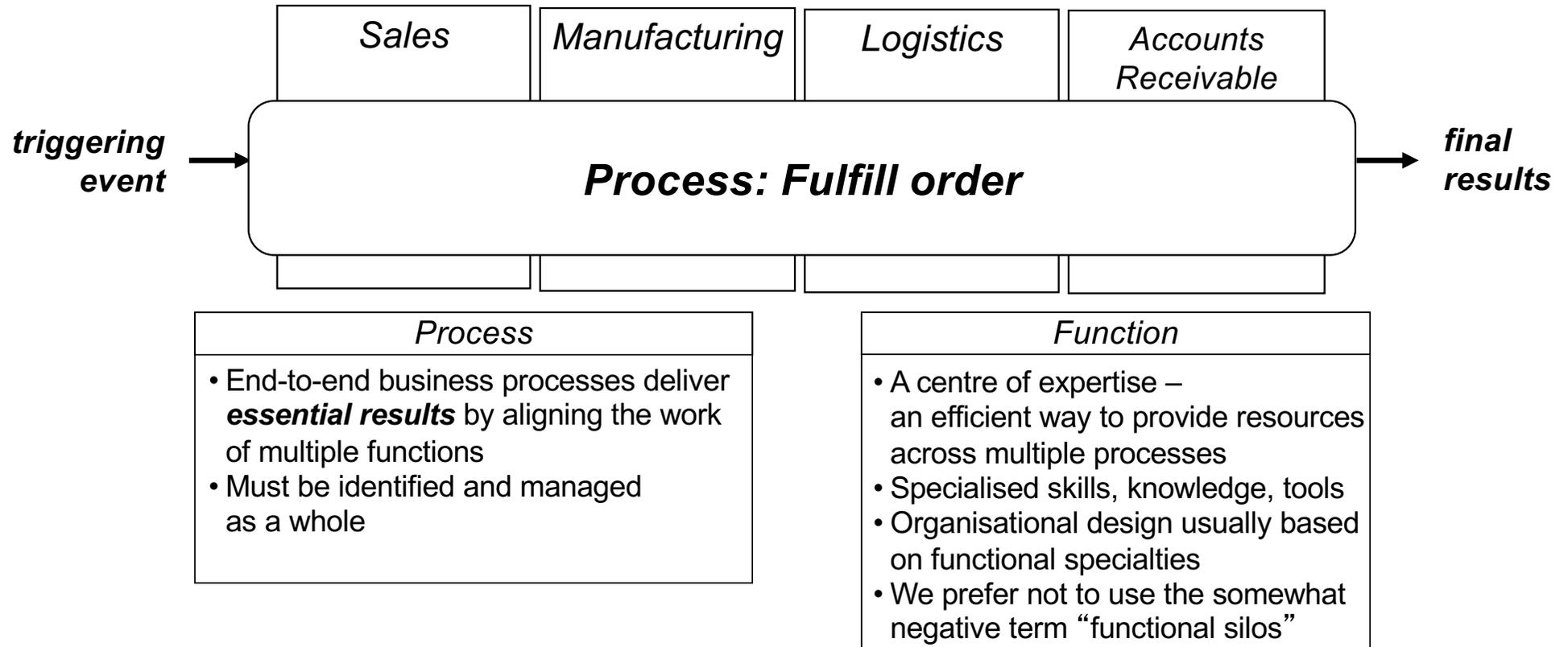
What are the likely impacts of these performance goals?  
What will the different functions do to meet the targets?

# Misaligned performance measures



Poor performance because each function was working hard to meet uncoordinated, functional targets

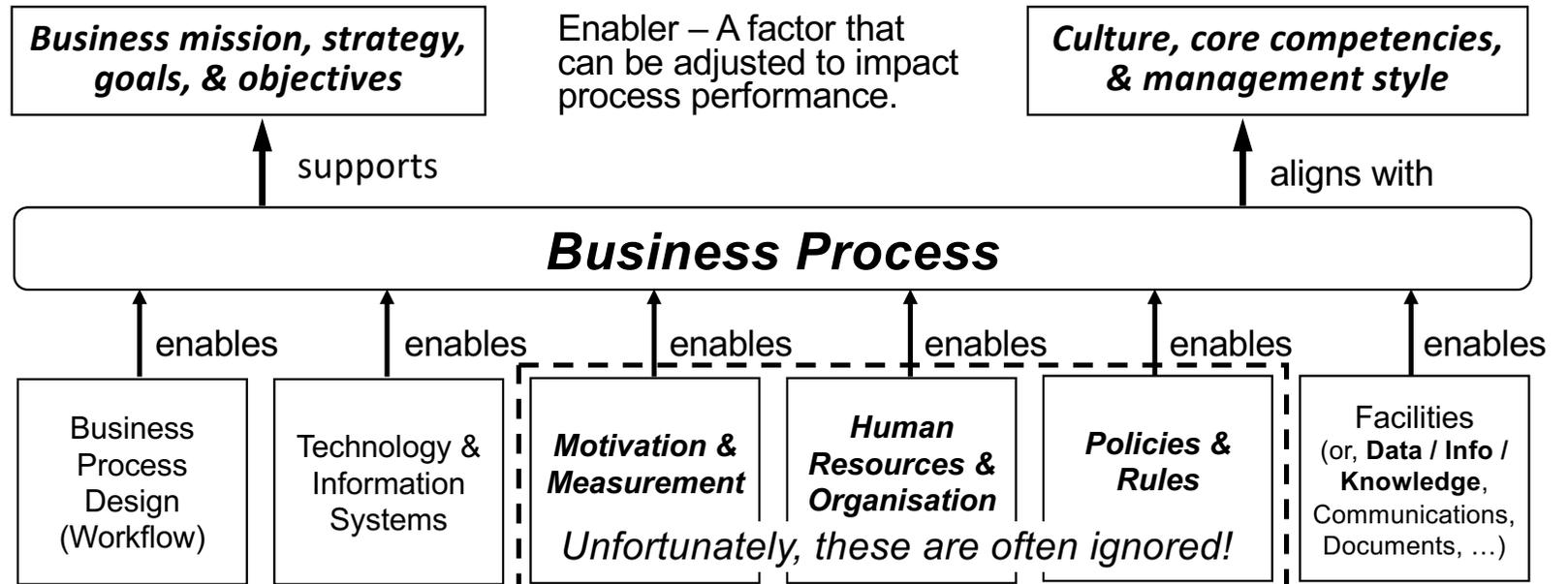
## *This doesn't mean functions are bad!*



*Ultimately, business processes are all about alignment*

### 3. A holistic view for process analysis and design

1. It is essential to have clarity on what a *business process* really is
2. Performance measures may be *functionally aligned* - work *against* business processes
3. Success with business processes requires a *holistic view* in which six *enablers* are considered
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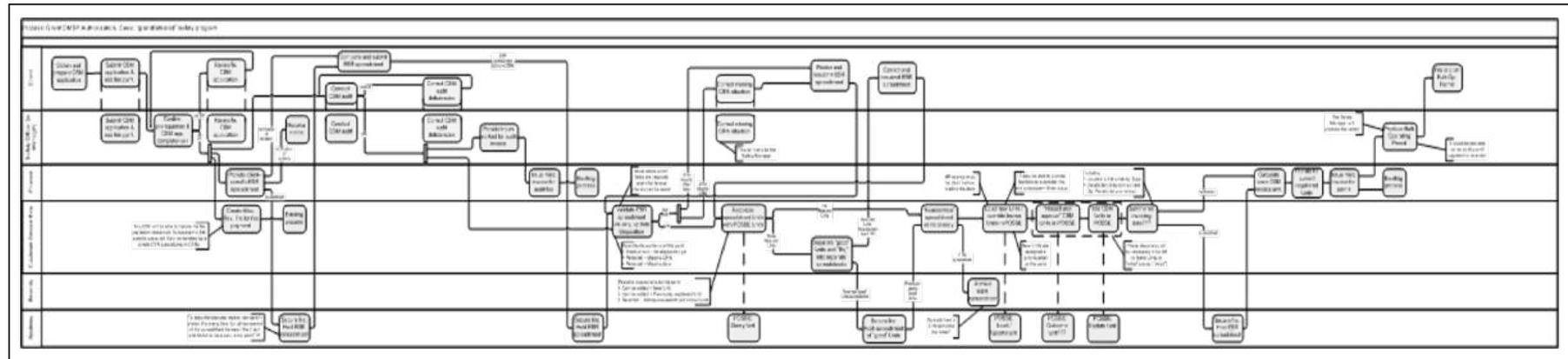


- Roles
  - Steps & decisions
  - Flow - sequence and handoffs
  - Who does what when
  - Applications
  - Data
  - Information
  - Integration
  - Devices and platforms
  - Assessment and incentives
  - “Reward and punishment”
  - Implicit and explicit
  - Process KPIs vs. Function KPIs
  - Recruitment & selection
  - Skills
  - Role design
  - Organisation design
  - Assignment of roles in processes
  - Constraining or enforced by the process
  - External (laws / regs) or internal (real / "anecdotal")
  - Workplace layout
  - The 40% office
  - Remote hubs
  - Equipment
  - Fixtures and furnishings
- The usual suspects!*
- Assess the process by *each* enabler – *one at a time* – after as-is modelling.



# We model the as-is process to support assessment by enabler

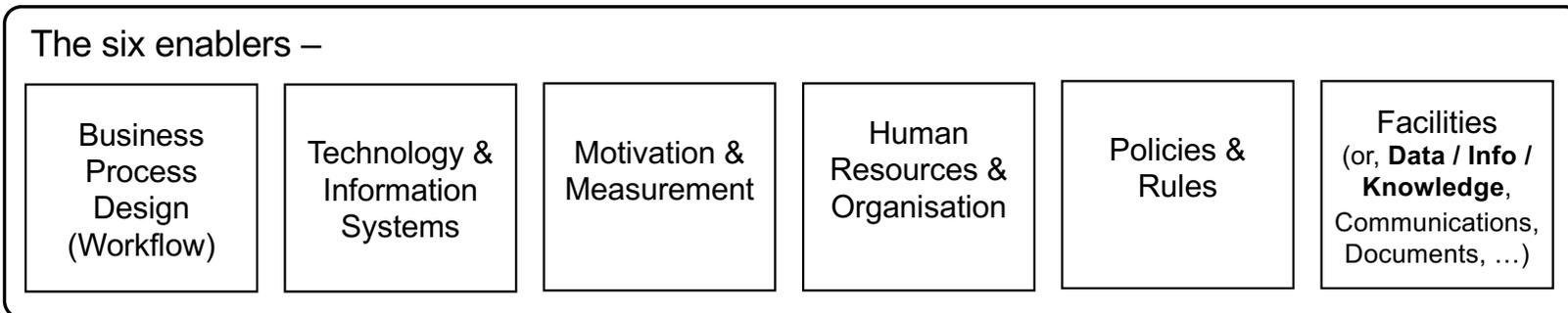
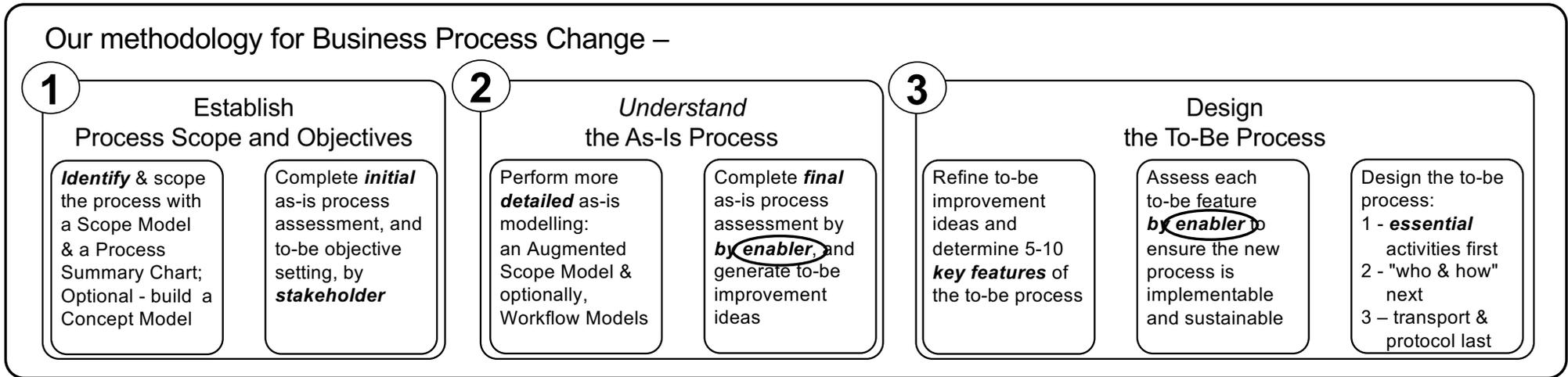
As-is modelling maps *reality* – who, does what, when.



This supports a *fact-based* assessment of the *as-is* process by enabler.

<p><b>Process Workflow Design:</b> Is each step adding value, placed at the right point in the process, sequential or parallel as appropriate, performed by the best role, etc.?</p>	<p><b>Information Systems &amp; Technology:</b> Are the process, the steps, and the actors supported by the right systems and technology?</p>	<p><b>Motivation &amp; Measurement:</b> How is the performance of the steps, the actors, the participating functions, and the process measured, and what are the consequences?</p>	<p><b>Human Resources &amp; Organisation:</b> Are roles suitably broad, are organisations designed properly, and are roles &amp; skills deployed well into the process?</p>	<p><b>Policies &amp; Rules:</b> What policies or rules, whether internal or external, constrain or are enforced by the process, and what is their impact?</p>	<p><b>Facilities (or other):</b> Are the layout &amp; furnishings optimal or do they impede the process? (Many clients instead use this enabler to consider data, info, and knowledge.)</p>
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# Enablers play a key role in phases 2 & 3



- Focusing on the six enablers provides a holistic view – that is the key feature of our methodology (along with simplicity)
- The enablers help us make the *as-is* to *to-be* transition

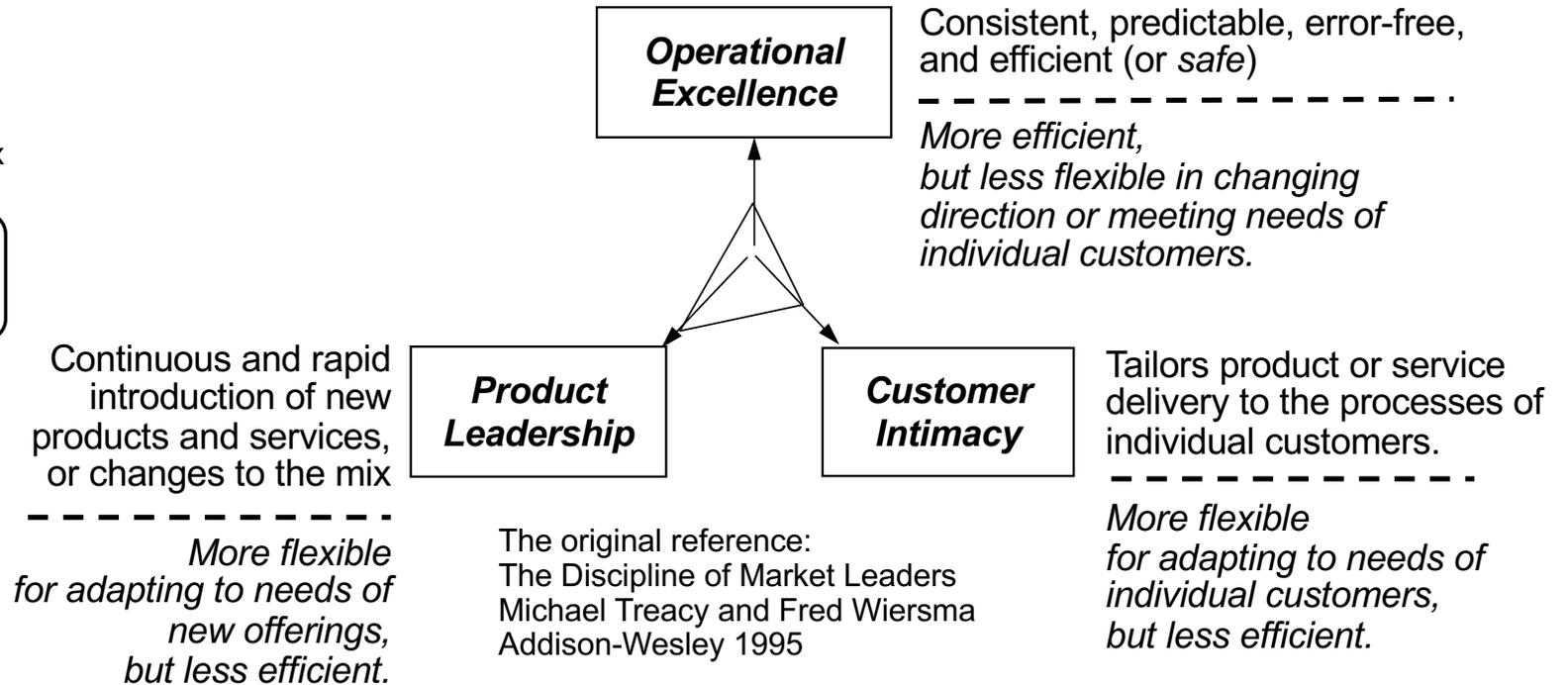
## 4. Process goals: know your “differentiator”

1. It is essential to have clarity on what a *business process* really is
2. Performance measures may be *functionally aligned* - work *against* business processes
3. Success with business processes requires a *holistic view* in which six *enablers* are considered
4. A business process can't be great at everything – a single *differentiator* must be chosen

As noted, this is one of the things I do on ~100% of *Project Recovery* assignments -

1. Build *Process Scope Model & Process Summary Chart*
2. Develop *Case for Action* – an *As-Is Assessment by Stakeholder*
3. Establish the *Differentiator*
4. (Optionally conduct an *As-Is Assessment by Enabler*)

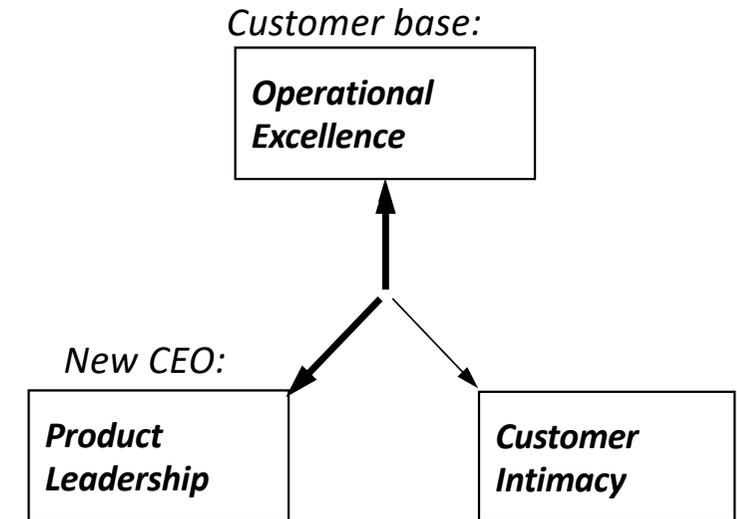
Great processes don't try to be all things to all people – strive to be **great** at one differentiator, and **good** at the other two...



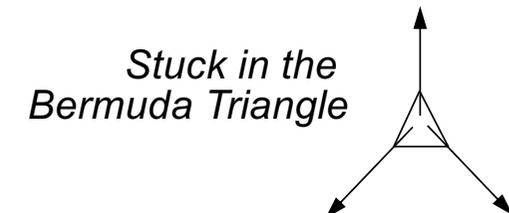
1. Concept developed for the entire enterprise, but great for individual process areas – a “signpost” for decisions on process changes.
2. Processes in an enterprise do not all have the same differentiator.
3. The Process Differentiator can change over time – *slowly!*

# Common differentiator problems

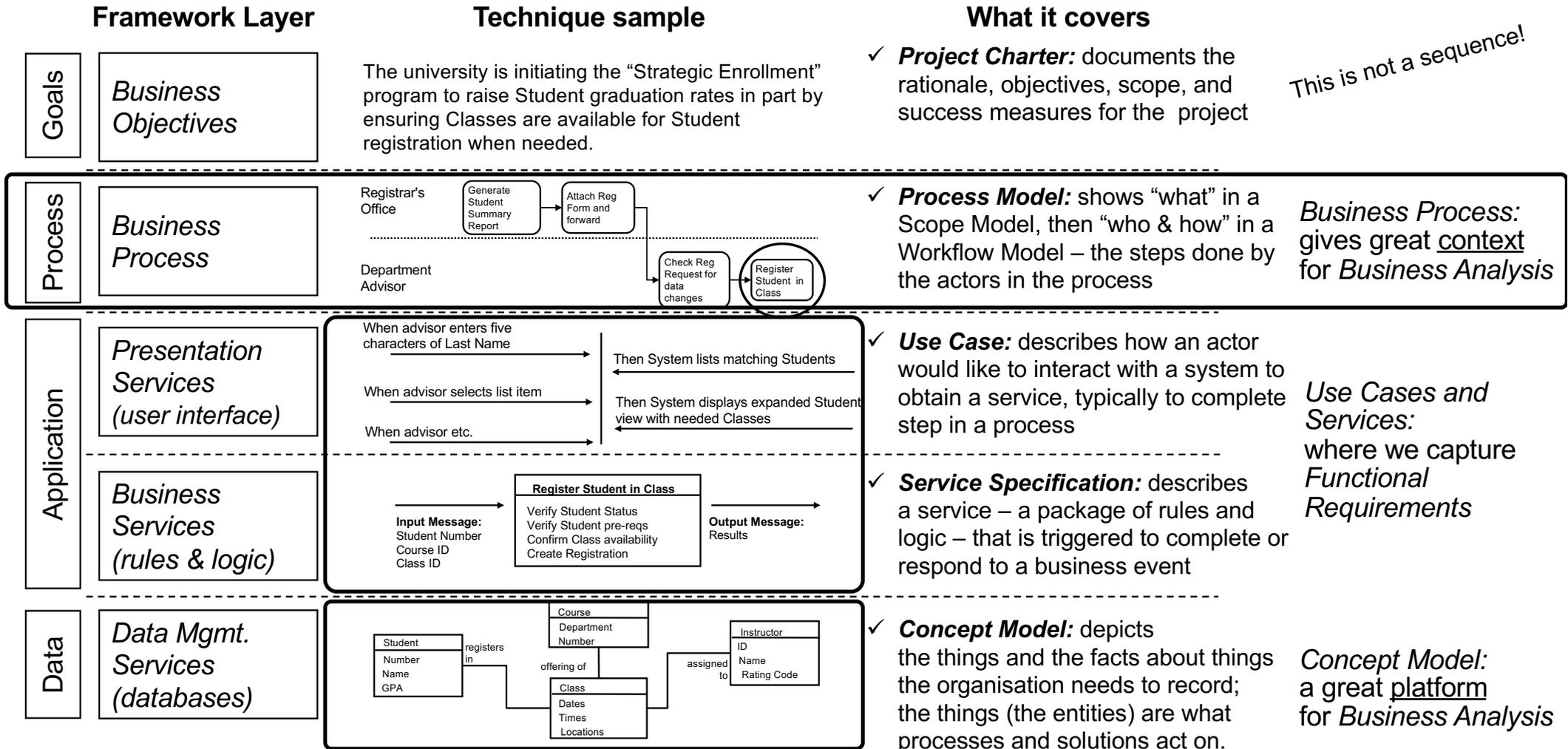
1. Focus on the wrong differentiator
  - Insurance company recruits CEO from high tech industry
  - New CEO decides “innovation is everything” – \$100M spent on process redesign and system development in support of “innovative car insurance products” – *Product Leadership*
  - Total failure – customers wanted affordable, easy to understand, easy to buy insurance – *Operational Excellence (Op Ex)*



2. No differentiator or trying to excel at *multiple* differentiators – *stressed workforce* and *lower performance*  
*Operational Excellence* – “We must be the low-cost provider!”  
*Customer Intimacy* – “We must do what it takes for each client!”
3. Conflicting differentiators within functions of a process – *lower performance*



# Business Process – part of the Clariteq Framework for Business Analysis



This is not a sequence!

*Business Process:* gives great context for *Business Analysis*

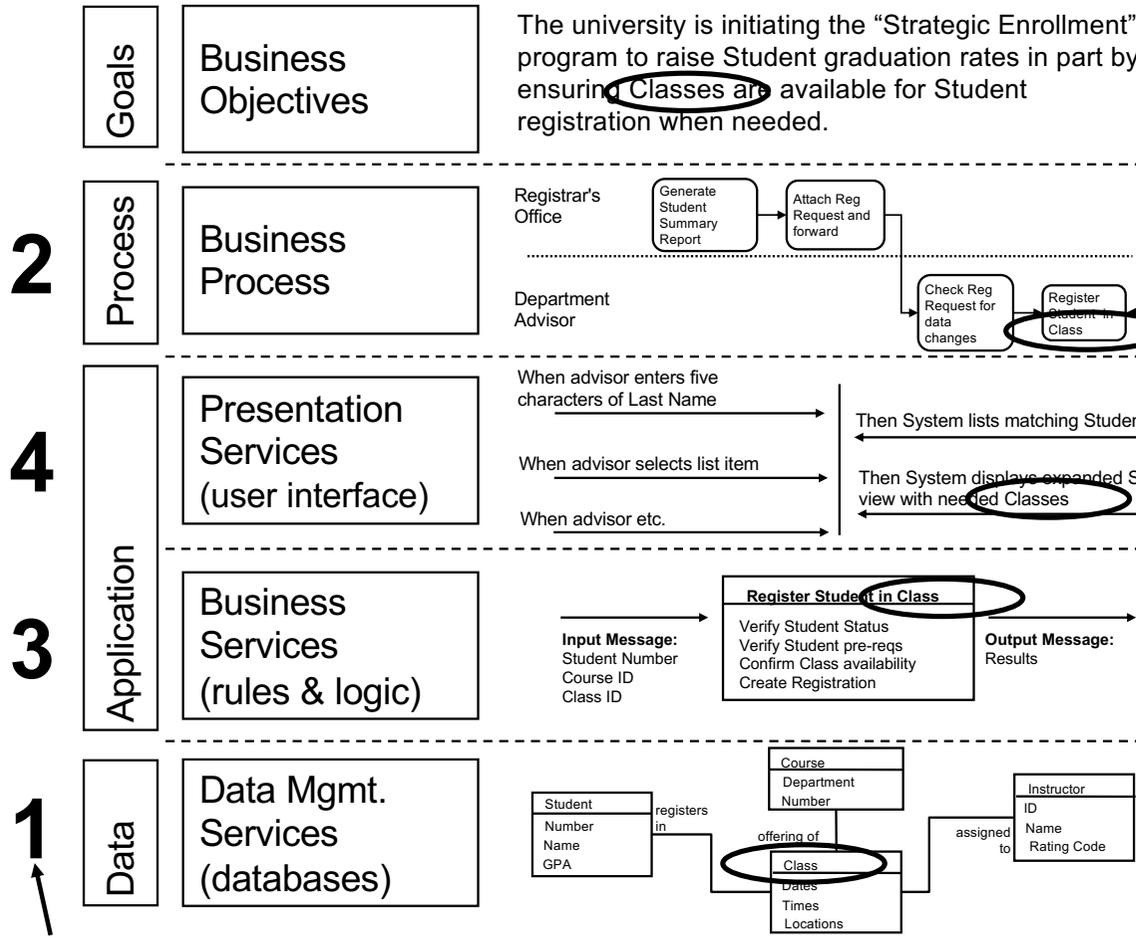
*Use Cases and Services:* where we capture *Functional Requirements*

*Concept Model:* a great platform for *Business Analysis*

Only four types of models vs. 14 in the UML! (Unified Modelling Language)

# Key point! Everything relies on the concept model

*All use the language and constraints of the Concept Model (the "thing model") – the ultimate "what"*



*Use Cases/User Stories:  
- Who (Actors) needs access to the Services, and how (Platform)?*

*Verb-Noun pairs:  
- The Services (event-handlers) that are at the heart of a Service Oriented Architecture.  
- Also "building blocks" of Business Processes*

*The core Nouns in your enterprise. Also known as Business Objects.*

My usual sequence

Bonus – great starting point to discover your Events/Services and Use Cases/User Stories

# Another key point! Different levels of detail for different purposes

Different models and levels of detail for different audiences and purposes.

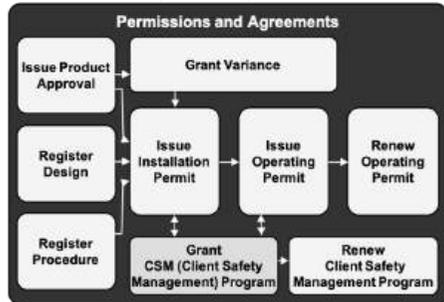
Scope – for Planning

Concept – for Understanding

Detail – for Specification

Also applies to Use Cases, Services, and Data Models

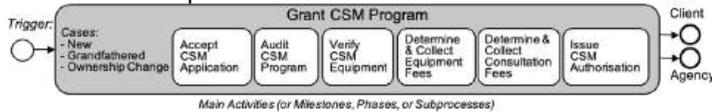
Process Landscape (optional):



- Augmented Scope Model showing next level activities: *who - what - how*
- “Business-friendly” (just boxes & lines) flow models to maximise communication and participation
- Two levels – *Handoff* and *Service*

- Detail for technical design, perhaps using full BPMN

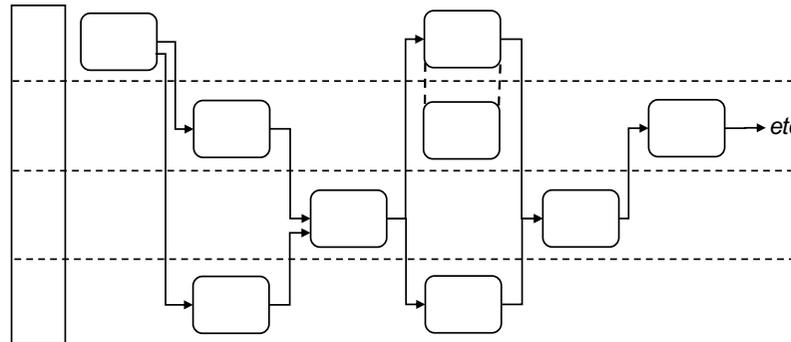
Process Scope Model:



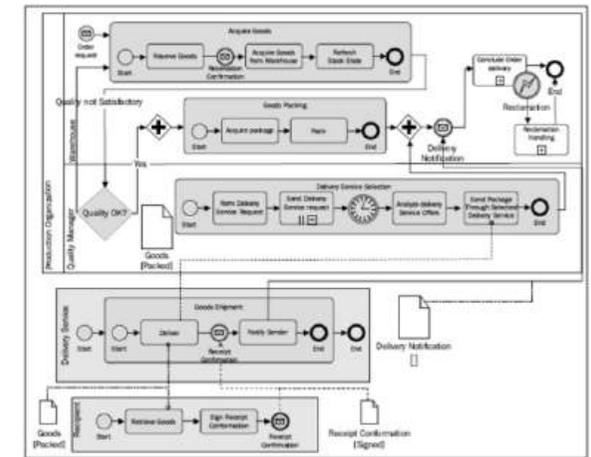
Process Summary Chart:



Boxes

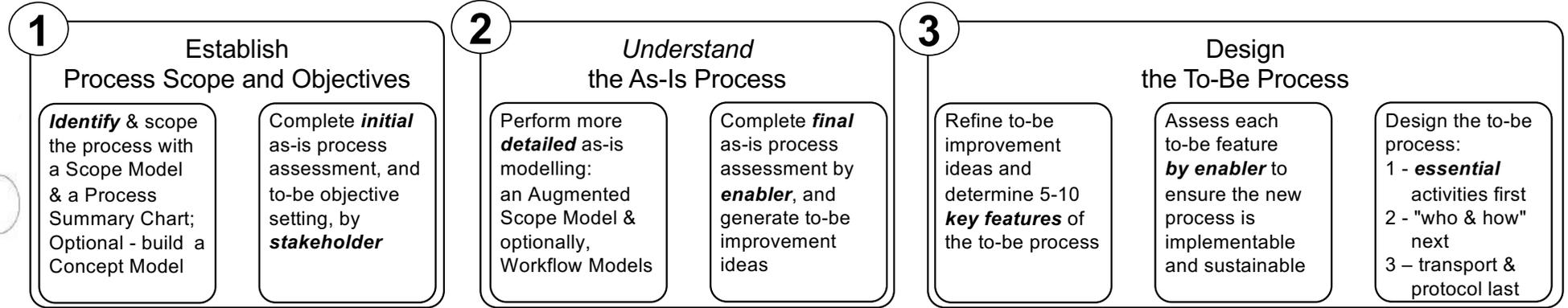


Boxes & Lines

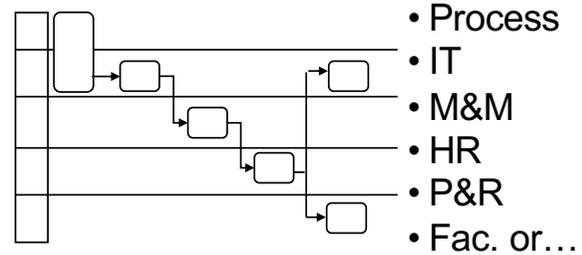
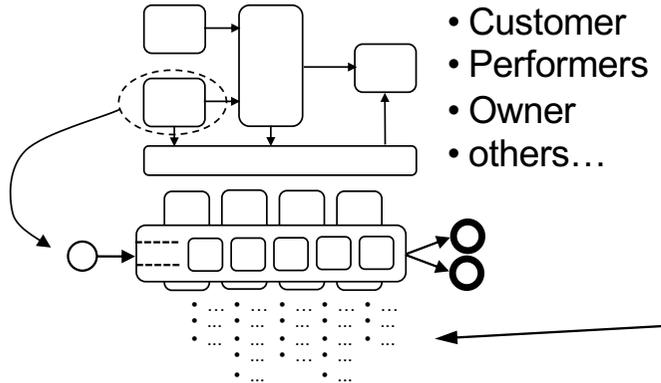


Boxes, Lines, & MANY Symbols

# Our three-phase methodology – proven, practical, & agile

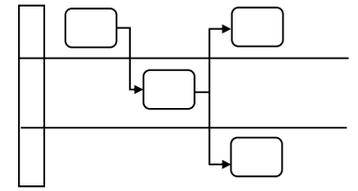


Some goal or issue, not rigorously specified



Re-think!

- Select key to-be Features

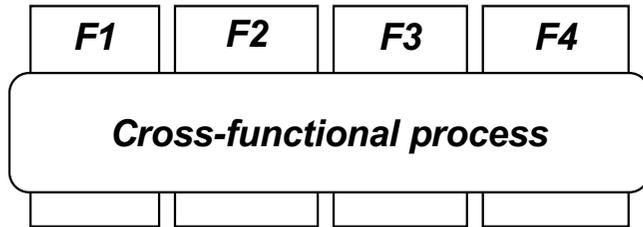


- ID processes & draw *Process Landscape* (Optional – only if you have a large scope)
- ID Trigger, Results, main Activities, Cases (**TRAC**) & draw *Process Scope Model* – focus on *what*, no reference to *who* or *how*
- ID involved functions & mechanisms (*who* and *how*) & draw *Process Summary Chart*
- Conduct *stakeholder-based assessment*

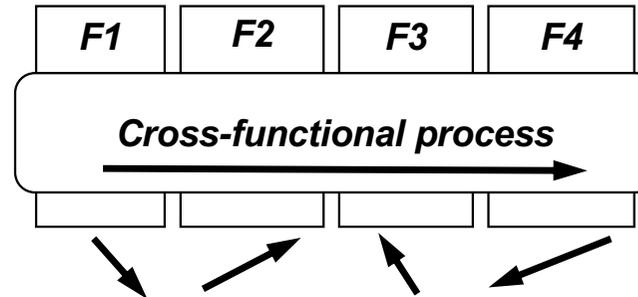
- Develop *as-is* models:
  - *Augmented Scope Model* – add ~5 – 7 more detailed Activities for each main Activity
  - (Optional) *as-is Workflow Models* – only enough detail to understand process behaviour
- Conduct *enabler-based assessment* and identify *potential improvements*

- Assess each key Feature by enabler
  - Identify and sequence *essential* activities
  - Develop *Workflow Models* for essential activities by adding *who* and *how*
  - ...on to requirements definition and implementation

# Five key points plus a BA framework plus a methodology



Processes:  
"large" and X-functional



Misaligned measures

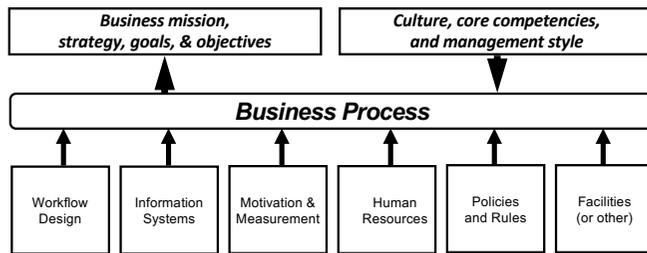
Model-driven framework

Process Modelling

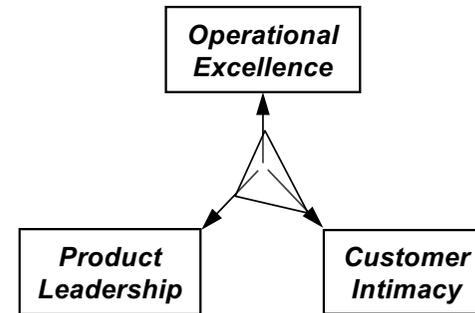
Use Cases

Service Specification

Concept / Data Modelling



Holistic method



Differentiator

...and a proven Methodology

Establish Process Scope and Objectives

Understand the As-Is Process

Design the To-Be Process

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# *Identifying and Scoping Business Processes*

1. Four things you *need* to know about *Business Processes*

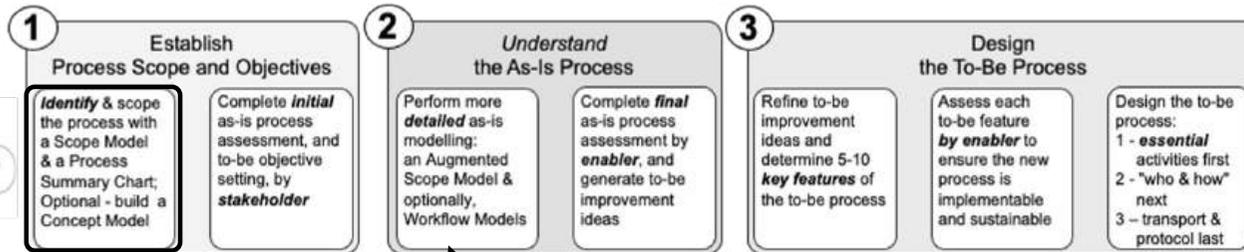
2. Identifying true, end-to-end, cross-functional  
*Business Processes*

3. Process modelling for *humans*

4. Overview –  
the transition from *as-is* analysis to *to-be* design

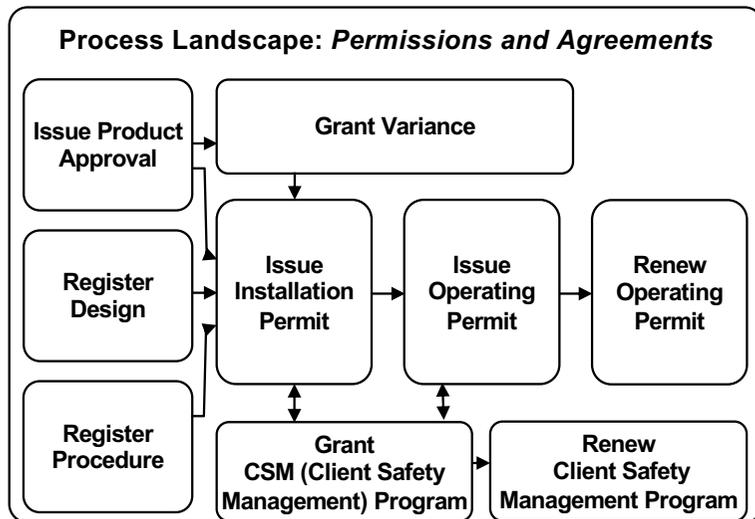
# Identify & scope process(es)

Some goal or issue, not rigorously specified



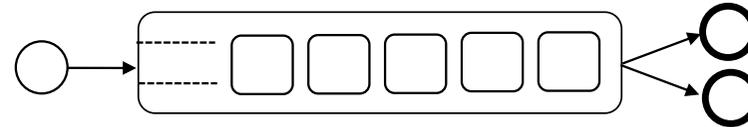
Clarify scope and context

I used to dive in here...  
... lots of issues!

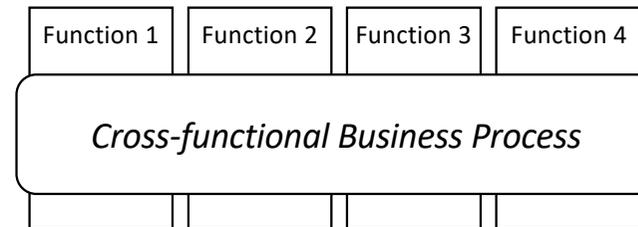


Whether it's a new initiative or "project recovery," **always:**

- Develop a Process Scope Model



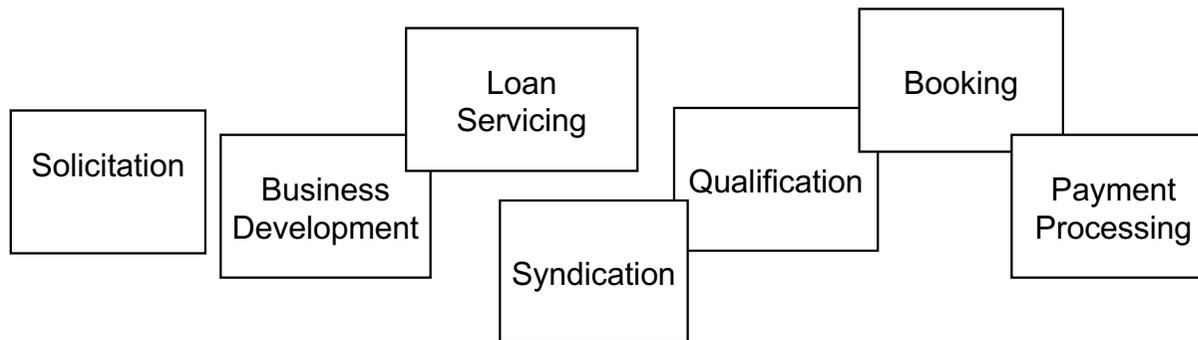
- Develop a Process Summary Chart



You *might* start at a higher level, with a **Process Landscape** – a decomposition of a business area into a family of *individual business processes*

## Process discovery example

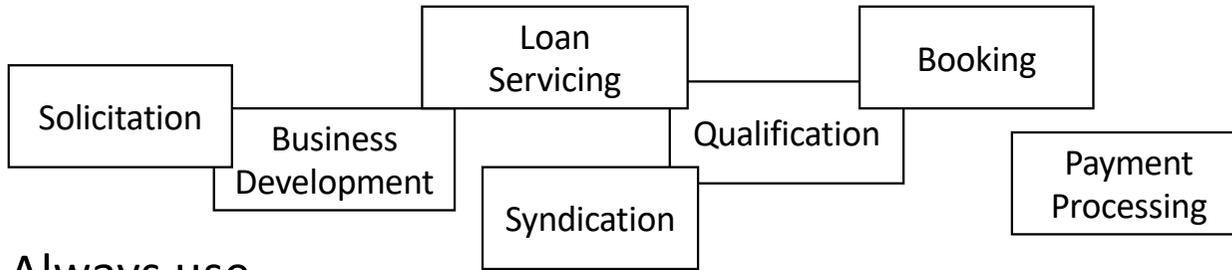
A bank believed they had identified the 12 *business processes* in their Commercial Loans Management area, including these 7:



Discuss:

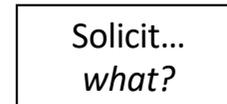
- What is wrong with the names of these processes?
- Can you think of any questions to help improve these process names?

# Bottom-up process discovery – example

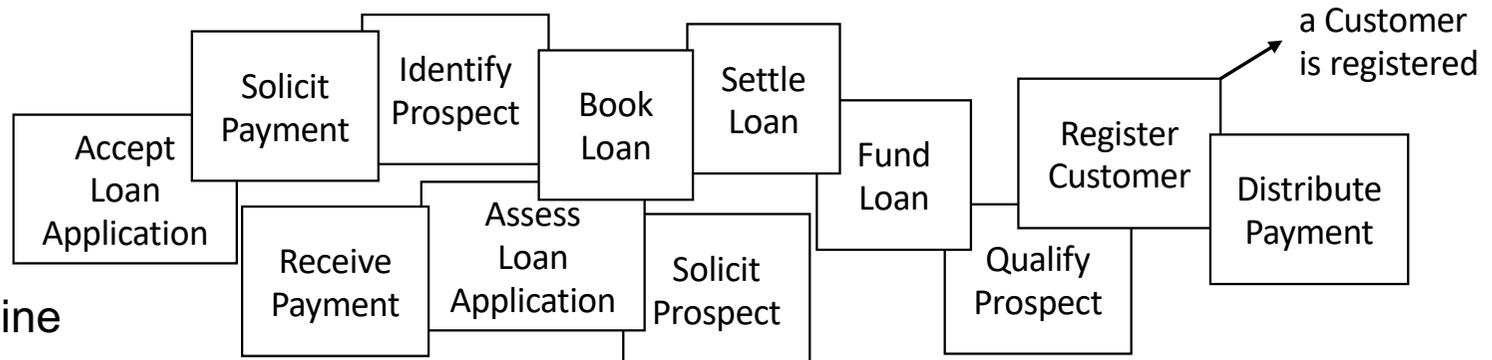


Dubious “business processes”

Always use  
“active verb – noun” naming  
with no “who and how”



Client then identified *recognisable* activities, each producing an essential *result* (easy!)

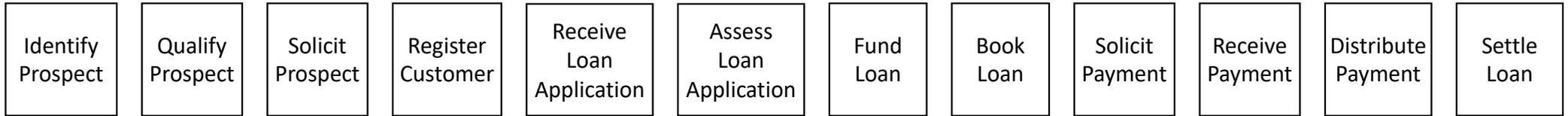


Let's put these  
in sequence, then  
use *TRAC* to determine  
*Business Processes*.

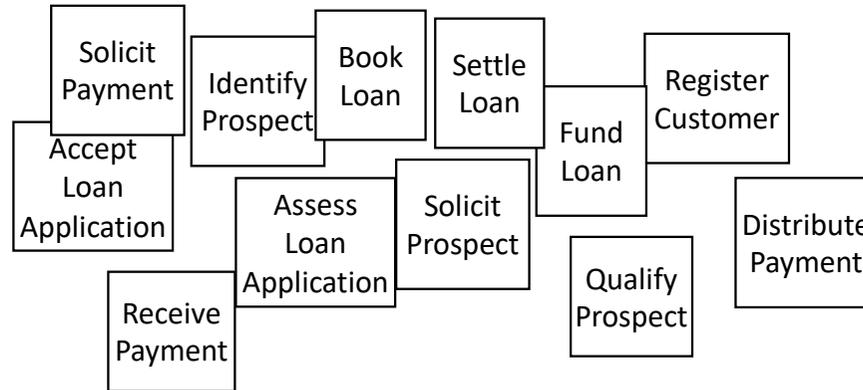
This was done in-person with Post-its and flipcharts  
but tools like Lucidchart and Miro work well virtually

# Summary – sequence activities

Not usually linear – parallel chains are typical



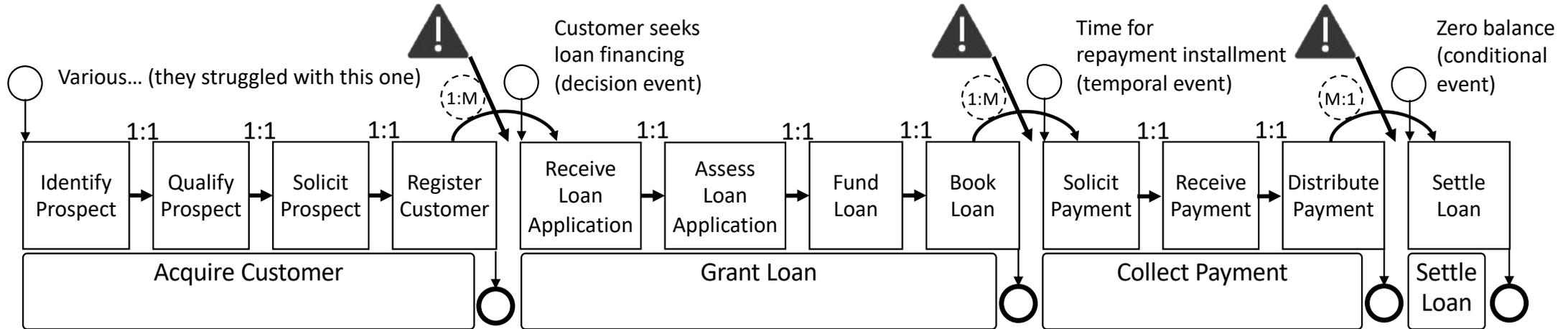
The clients arranged the activities in sequence:  
- *easy!*  
- *a learning experience!*



Now we'll use my "TRAC" framework for business processes –

- *Trigger*
- *Results*
- *Activities*
- *(Cases – later)*

# Summary – use TRAC to discover business process boundaries



It appears we have discovered four business processes, each with:  
 Trigger  
 Results  
 Activities  
 (Cases later)

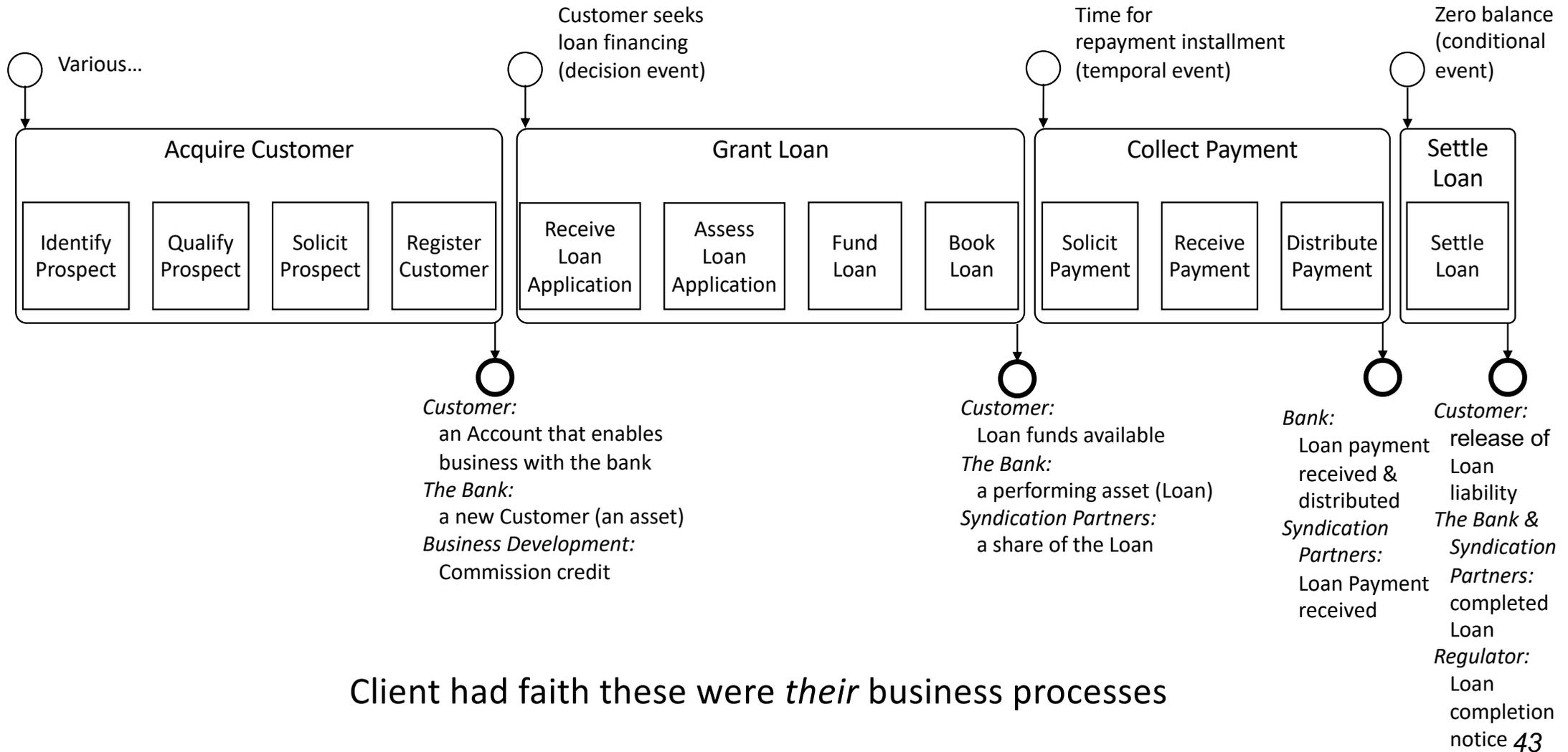
**Customer:**  
 an Account that enables business with the bank  
**The Bank:**  
 a new Customer (an asset)  
**Business Development:**  
 Commission credit

**Customer:**  
 Loan funds available  
**The Bank:**  
 a performing asset (Loan)  
**Syndication Partners:**  
 a share of the Loan

**Bank:**  
 Loan payment received & distributed  
**Syndication Partners:**  
 Loan Payment received  
**Customer:**  
 release of Loan liability  
**The Bank & Syndication Partners:**  
 completed Loan  
**Regulator:**  
 Loan completion notice

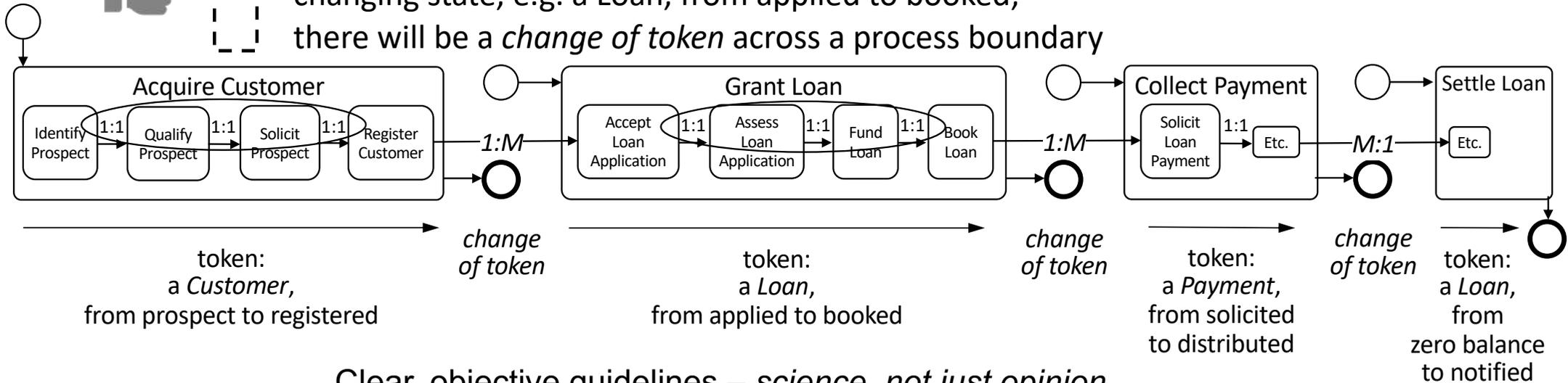
1. ID where a final Result of value is delivered to one or more (usually at least two) stakeholders – “happiness points”
2. Identify points where a Triggering event (decision, time, condition) beyond the organisation’s control is required before activities can proceed
3. Identify “cardinality” of connections between Activities (1:1, 1:M, M:1)
4. Identify “tokens” flowing through the activities
5. Name business processes with active verbs and nouns (usually the tokens)

# Four end-to-end business processes, objectively demonstrated



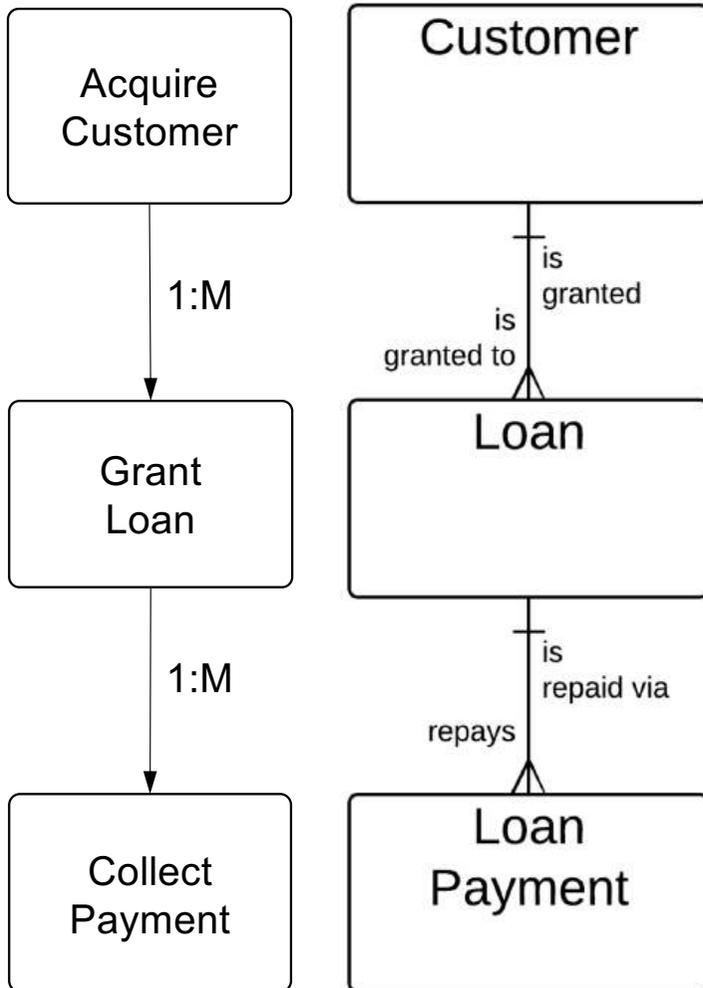
# Six guidelines for well-formed processes, two clients really appreciate

1. “Active verb – noun” naming that indicates primary result
2. Triggered by an event (decision, time, data) outside process’ control
3. At the end are results that makes one or more stakeholders happy
4. In between are ~5 to 7 major Activities (phases, milestones, subprocesses, ...)
5. Activities linked 1:1 are probably part of the same process; a 1:M or M:1 connection between activities is probably a boundary
6. The same *token* moves through the whole process, changing state, e.g. a Loan, from applied to booked; there will be a *change of token* across a process boundary



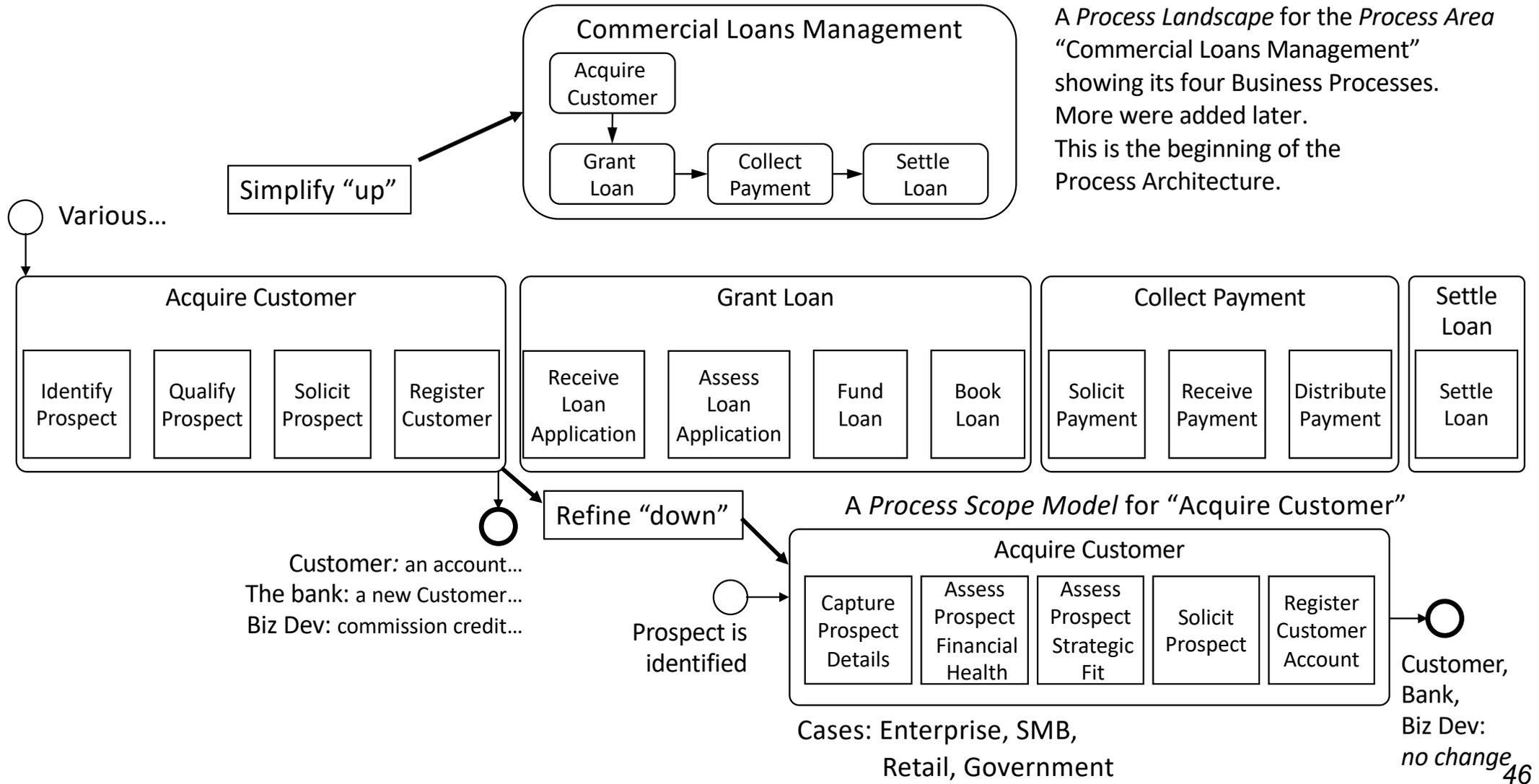
Clear, objective guidelines – *science, not just opinion*

## Correspondence to the Concept Model



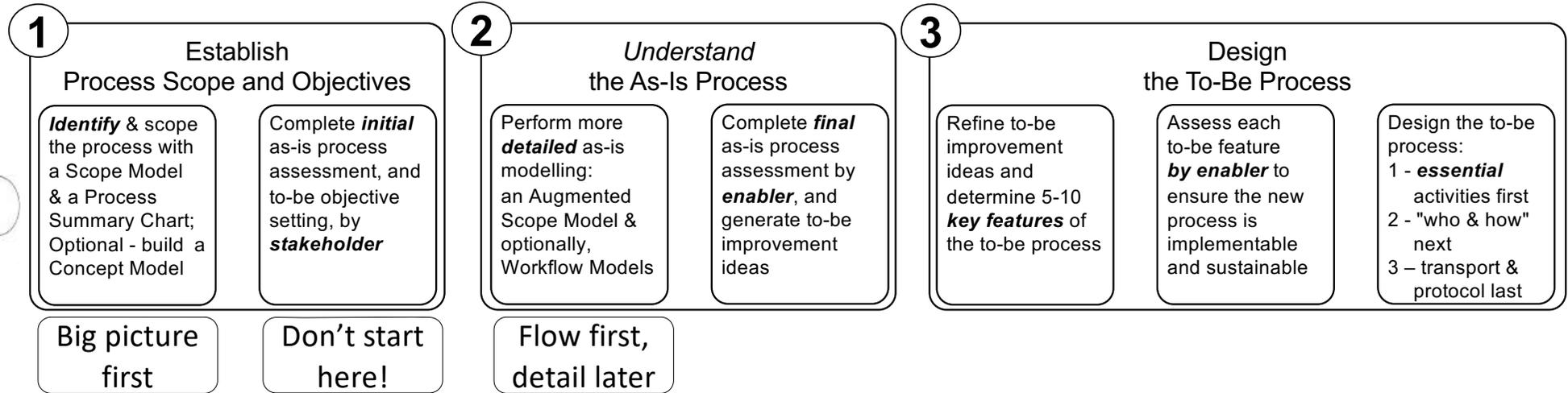
- The nouns in your verb-noun *Process* name are most often the *Entities* in your Concept Model, and each will usually have one primary *Process*
- The relative number of Process instances (e.g., 1:M or M:1) align with relationship cardinality
- This *does not* mean there is only one Process per Entity
  - Assess *Customer* Performance
  - Retire *Customer*
  - Merge *Loans*
  - Write Off *Loan*
  - ...

# What next?



A Process Landscape for the Process Area "Commercial Loans Management" showing its four Business Processes. More were added later. This is the beginning of the Process Architecture.

# Our methodology – three responses to three common difficulties



My *hardest* assignments

1 – Premature diagnosis of the situation

*Don't* start with a problem statement!  
 There will be some goal or issue, but don't formalise it **yet**.  
 And remember... it may not be a "process" issue.

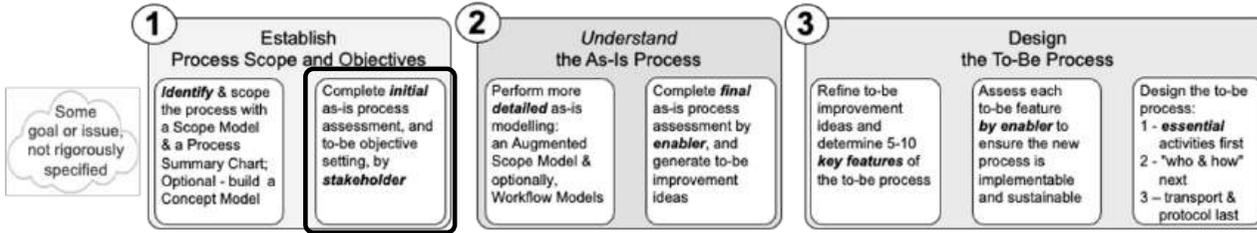
2 – Failure to identify true end-to-end processes

Rigorous techniques to identify real business processes – a Process Scope Model and a Process Summary Chart make scope and context visible.

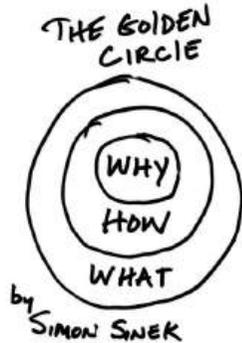
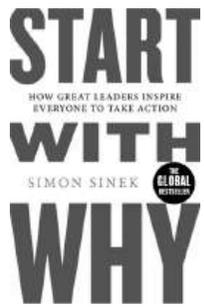
3 – A rapid descent into unhelpful detail

Clarify the big picture, then take a *controlled* descent with well-defined levels of detail.

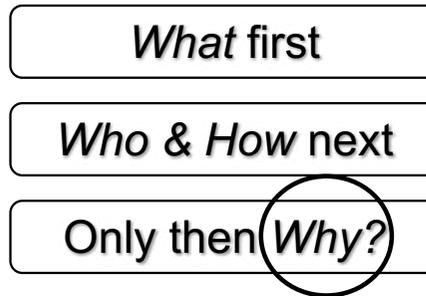
# Now that you have e2e context, perform initial as-is assessment



Why does this process need to change?

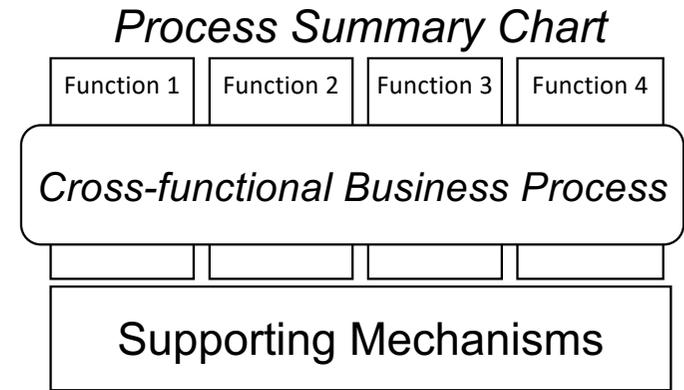
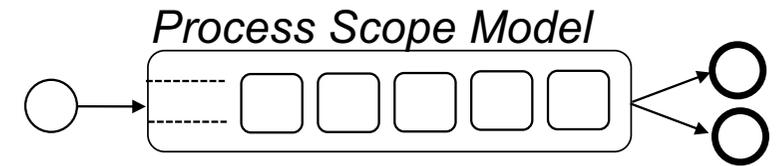


But for a process...



“People don’t buy *what* you do, they buy *why* you do it.”

Why does this process need to change?  
We’ll answer that with a *Case for Action* (a nuanced form of problem statement)



Now we have an end-to-end, cross-functional perspective.

# My version of Michael Hammer's "Case for Action"

Simplified, re-sequenced, more stakeholder-focussed

## 1) Stakeholder assessment – makes it *real*

What are the concerns of *each* stakeholder group?

- Customer
- **Performers** ← !
- Owner/manager (the enterprise itself)
- Others (regulator, partners, ...) as needed



*We're not  
that bad!*

## 2) Context – makes it *blame-free*

What changes in the environment since the process was “designed” have caused these issues to surface?



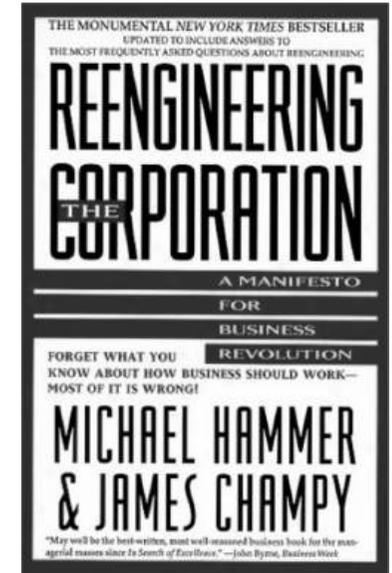
*Yay – It's not our fault!*

## 3) Consequences of inaction – makes it *compelling*

What will happen if the process is left as-is?



*We'd better get on with it!* 49



# 1. Stakeholder concerns

*“You must communicate in a clear and compelling way why the process has to change by completing the initial assessment for the as-is process.”*

## **Initial assessment – 3 components**

### **Stakeholder assessment – makes it *real***

- Customer
- Performers  
(*what's in it for me?*)
- Owner/manager  
(the enterprise itself)
- Others, as needed

## **Initial assessment – typical questions**

### **Customer:**

- Are there too many interactions?
- Are rules, requirements, protocol reasonable?
- Can *your* work be located within the process?
- Are *you* the process integrator –  
the human glue that connects the process steps?

### **Performer:**

- What are your major sources of frustration?
- Do you have the necessary tools and support?
- Are there redundant steps or steps that serve no purpose?
- Are problems caused upstream? Does the workload vary wildly?
- What would you change if you could?
- *Is* there a documented process?

### **Owner/manager:**

- Does the process use resources you would rather re-allocate?
- Is it a net contributor or a source of problems?
- Does the process constrain innovation, growth, or opportunities?
- Is it a source of customer or media *criticism*?

## 2. Context – assessing changes in the environment

**Context – makes it blame-free**  
*What changes in the environment since the process was first “designed” have caused these issues to surface?*

Areas to consider:

- Regulatory change
  - Workforce changes (e.g., “recruiting and retaining” vs. “retiring”)
  - Emergent technology (AI, robotics, drones, BP Automation, SMAC ("Social, Mobile, Analytics, Cloud,") or current technology is EOL ("End Of Life"))
  - Changing customer expectations
  - Competition, especially new or emerging *Current "Top Five"*
- 
- Economic conditions
  - Change in business volume (growth or contraction)
  - Change in business model (e.g., customised or standardised)
  - Change in business ownership (public, private,) M&A, divestiture
  - Change in business leadership / executives
  - Change in government (post-election fallout)
  - Changes in business operating locations
  - Socio-political change
  - Environmental (“green”) concerns

And many others  
(see “PESTLE”)

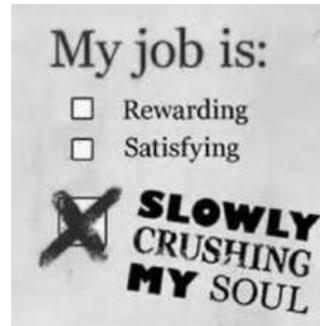
### 3. Consequences of inaction

#### Consequences of inaction – makes it compelling

*What will happen if the process is left as-is,  
and the status quo is maintained?*

For the individual:

- Unsatisfying work environment?
- Diminished opportunities?
- Reduced employment  
*or loss of employment?*



For the organisation:

- Reduced performance?
- Reduced stature or reputation?
- Withdrawal from the market?



## “Case for Change” example

### Situation:

- Manufacturing firm redesigns core *Financial Reporting* processes prior to COTS selection
- No progress! – Project has descended into “the blame game”

### Stakeholder assessment –

- *Customer* – financial markets / fund managers cannot get the info they need for investment decisions
- *Performers* – Finance staff spend all their time on assembling “the numbers” with no time for value-added analysis
- *Owner/manager* – CFO is under constant pressure and criticism from the financial markets and other executives

### Context –

- Firm recently divested from a huge conglomerate
- Financial reporting was formerly to Head Office, but now is to financial markets which the processes were *never designed to do*

### Consequences of inaction –

- Planned acquisition of competitor will not go ahead due to lack of financial market support for new bond issue;
- *Firm likely to be acquired by the competitor. Uh oh... Finance staff quickly realised their employment was threatened and got on board!*

Client was very happy!

Alec, I'm so happy I could just kiss you!



That's not in my contract

## *Then, establish process goals / improvement targets*

*“You must also provide a sense of direction by defining to-be process goals and objectives.”*

### ***Subjective goals***

Give people a “feel” for direction:

- “Customers will love this process because...”
- “Performers will love this process because...”
- “The process owner will love this process because...”

### ***Measurable objectives***

Provide *specific targets*

Establish baseline to *prove success*

Format:

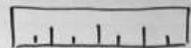
- Topic  
(what will be improved?)
- Target  
(what is the measurable objective?)
- Timeframe  
(when will these results be realised?)



***It may now be appropriate to introduce new process measures, metrics, and key performance indicators (KPIs) to establish baseline performance***

# Example from in-person workshop – assessment to goals

At this point, also think about the process' differentiator

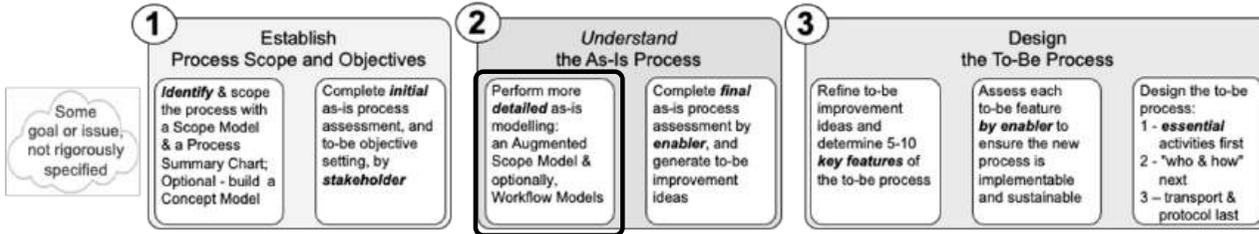
Stakeholder-based Initial Assessment of the as-is. ("Case for Action")		Stakeholder-based goals for the to-be	
		Subjective 	Objective 
1) Stakeholder concerns			
<u>Customer:</u>	<ul style="list-style-type: none"> <li>excessively "high touch" (too many meetings)</li> <li>long lead times from contact to publication</li> <li>errors in ads and invoices</li> </ul>	<ul style="list-style-type: none"> <li>"Why will they 'love' the new process?"</li> <li>fewer or no meetings</li> <li>shorter lead time</li> <li>no errors in ads or invoices</li> </ul>	<ul style="list-style-type: none"> <li>"measurable"</li> <li>topic / target / timeframe</li> <li>ads approved at first review / 80% / Q4 2017</li> <li>lead time / reduced from average of 10 days to 5 / Q4 2017</li> <li>invoice error rate / .3% / Q4 2017</li> </ul>
<u>Performers:</u>			
<u>Sales Rep:</u>	<ul style="list-style-type: none"> <li>too many review meetings which cut into selling time</li> <li>overhead ("administrivia") in order submission procedure</li> </ul>	<ul style="list-style-type: none"> <li>fewer or no meetings</li> <li>relief from burdensome order submission</li> </ul>	<ul style="list-style-type: none"> <li>ad orders / week / +20% / Q1 2018 (or Commission?)</li> <li>time spent on order submission / -% / Q4 2017</li> </ul>
<u>Production:</u>	<ul style="list-style-type: none"> <li>Monday to Wednesday Crunch</li> <li>too many cycles to obtain ad approval</li> </ul>	<ul style="list-style-type: none"> <li>level workload</li> <li>more ads approved on first review</li> </ul>	<ul style="list-style-type: none"> <li>daily workload / ≤ 5% / Q4 2017 (variation / daily)</li> <li>ads approved at first review / 80% / Q4 2017</li> </ul>
<u>Finance:</u>	<ul style="list-style-type: none"> <li>redundant ad order data leading to errors</li> <li>lack of pricing controls</li> </ul>	<ul style="list-style-type: none"> <li>elimination of ad order data redundancy ("single source of truth")</li> </ul>	<ul style="list-style-type: none"> <li>page cost / increasing at 15% per annum / Q1 2018</li> </ul>
<u>Owner:</u>	<ul style="list-style-type: none"> <li>ceiling on growth</li> <li>lost revenue</li> <li>staff frustration</li> </ul>	<ul style="list-style-type: none"> <li>GROWTH</li> <li>no lost revenue to errors</li> <li>eliminate stress and friction</li> </ul>	<ul style="list-style-type: none"> <li>staff satisfaction score / ? / Q1 2018</li> </ul>
2) Context: growth, customer expectations, IT, competition.			
3) Consequences of inaction: Out of business!			

*This slide left blank to maintain balance in the universe*

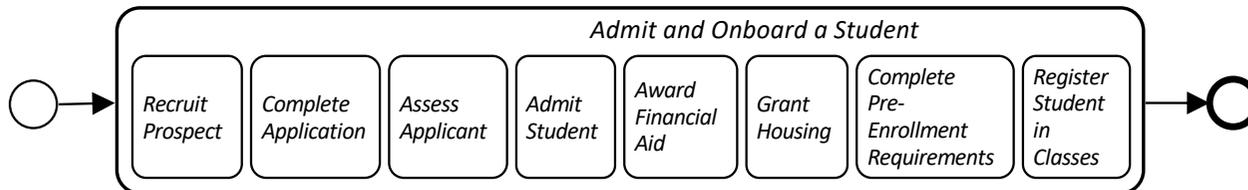
## *Making process modelling relevant*

1. Four things you *need* to know about *Business Processes*
2. Identifying true, end-to-end, cross-functional *Business Processes*
3. Process modelling for *humans*
4. Overview –  
the transition from *as-is* analysis to *to-be* design

# 3 – Complete additional as-is modelling



The goal is to *understand* the as-is process, not document it in *excruciating detail!*



- Identify Suspects
- Collect App Fee
- Confirm Application
- Make admit / deny / decision
- Receive FAFSA
- Provide Housing
- Confirm Other Requirements (visa, shots, writing, ...)
- Identify Courses
- Qualify Prospects
- Initiate Application
- Evaluate Application
- Assess Need
- Assess Application
- Register Orientation
- Create Class Schedule
- Engage Prospect
- Submit Application
- Verify Req'ts
- Notify Student
- Determine Aid
- Provide Alternatives
- Register Classes
- etc.

Who: Registration Assistant  
 What: Register Classes  
 How: via Workday SRS

- Optionally, model initial Workflow –
- Simplicity – minimal symbols and detail
  - “Flow first, detail later!”

I always build an Augmented Scope Model –

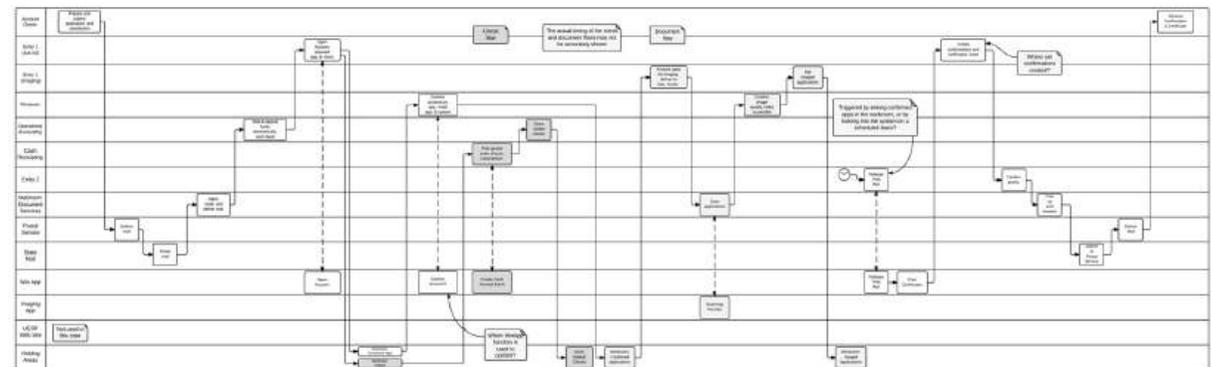
1. What the *detailed* activities are, e.g.

“Register Class” (verb + noun)

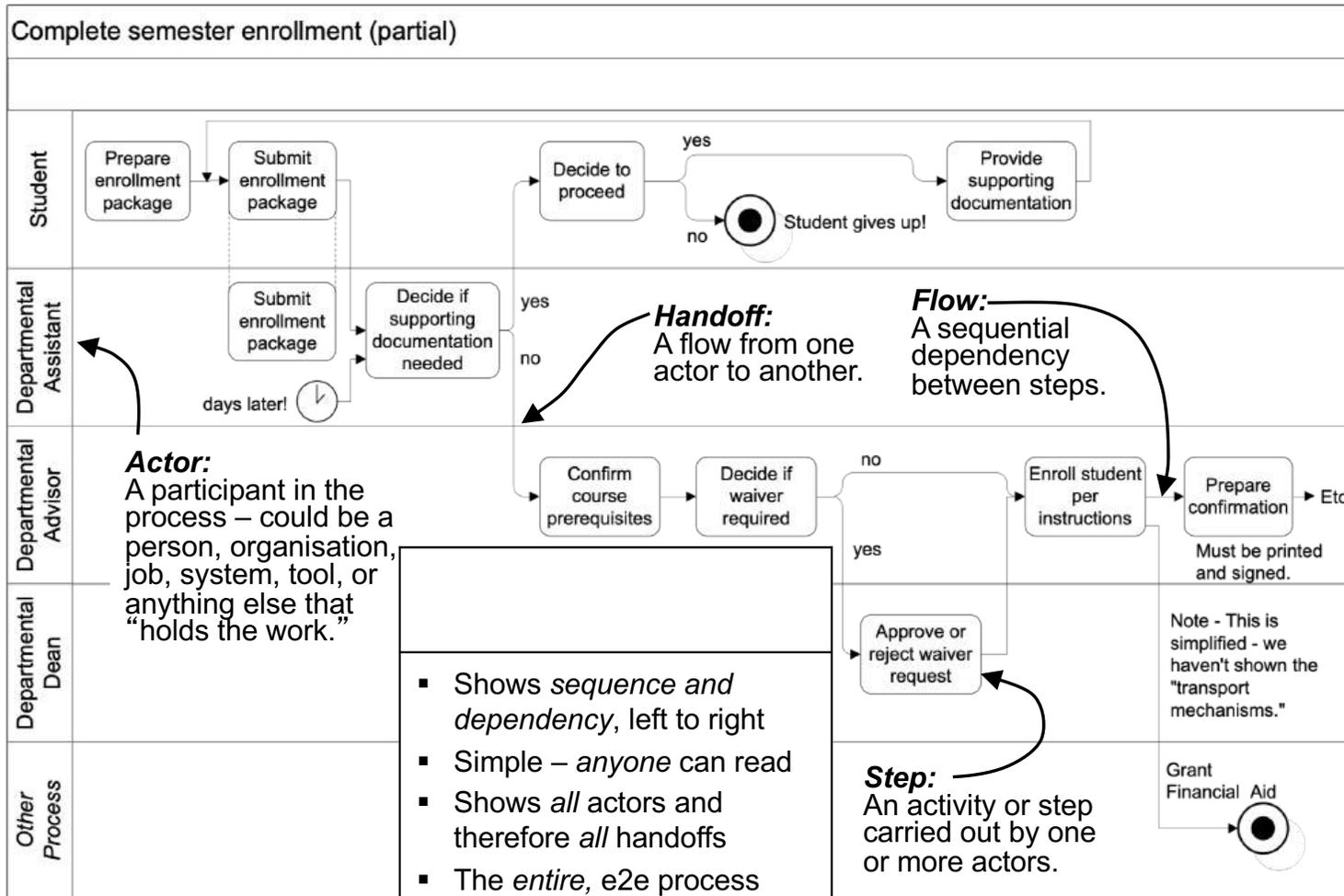
2. Add *who* and *how*, e.g,

“Advisor Register Class *via SIS*”

This is often good enough! – no need for an as-is swimlane diagram / workflow model



# Simple Swimlane Diagrams – maximise their strengths



Who – the actors

What – the steps

When – the flow

Other tools are better for capturing detail – how the steps are done:

- step-by-step procedures
- checklists
- decision trees
- use cases
- etc.

- Shows sequence and dependency, left to right
- Simple – anyone can read
- Shows all actors and therefore all handoffs
- The entire, e2e process
- What, but not how

Why did simple Swimlane Diagrams become popular?

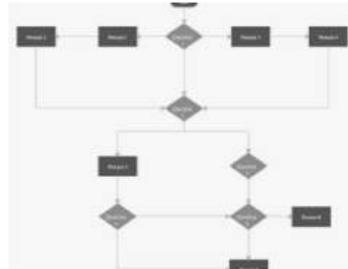
# A quick Google Images search on "swimlane diagram" reveals...



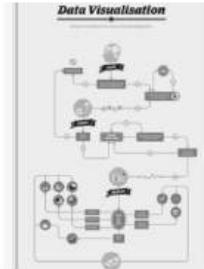
... lots of diagrams I might draw differently.



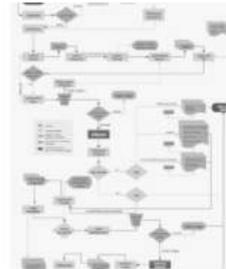
Follow flowchart best practices without ...  
cacao.com



Flowchart Tutorial ( Complete Flowchar...  
creately.com



21 Creative Flowchart ...  
visme.co



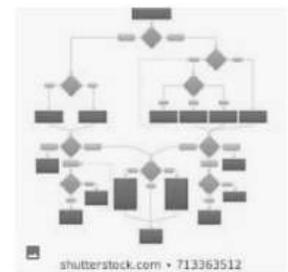
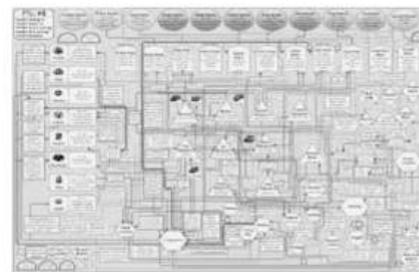
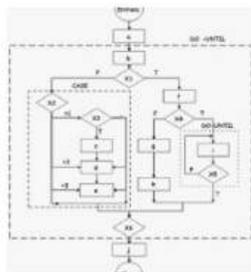
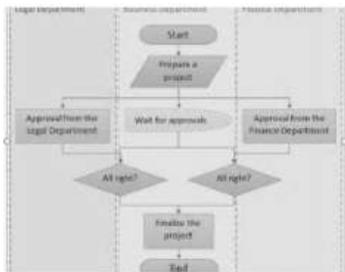
Flowchart Programming ...  
conceptdraw.com



Free Flowchart Templates ...  
gliffy.com

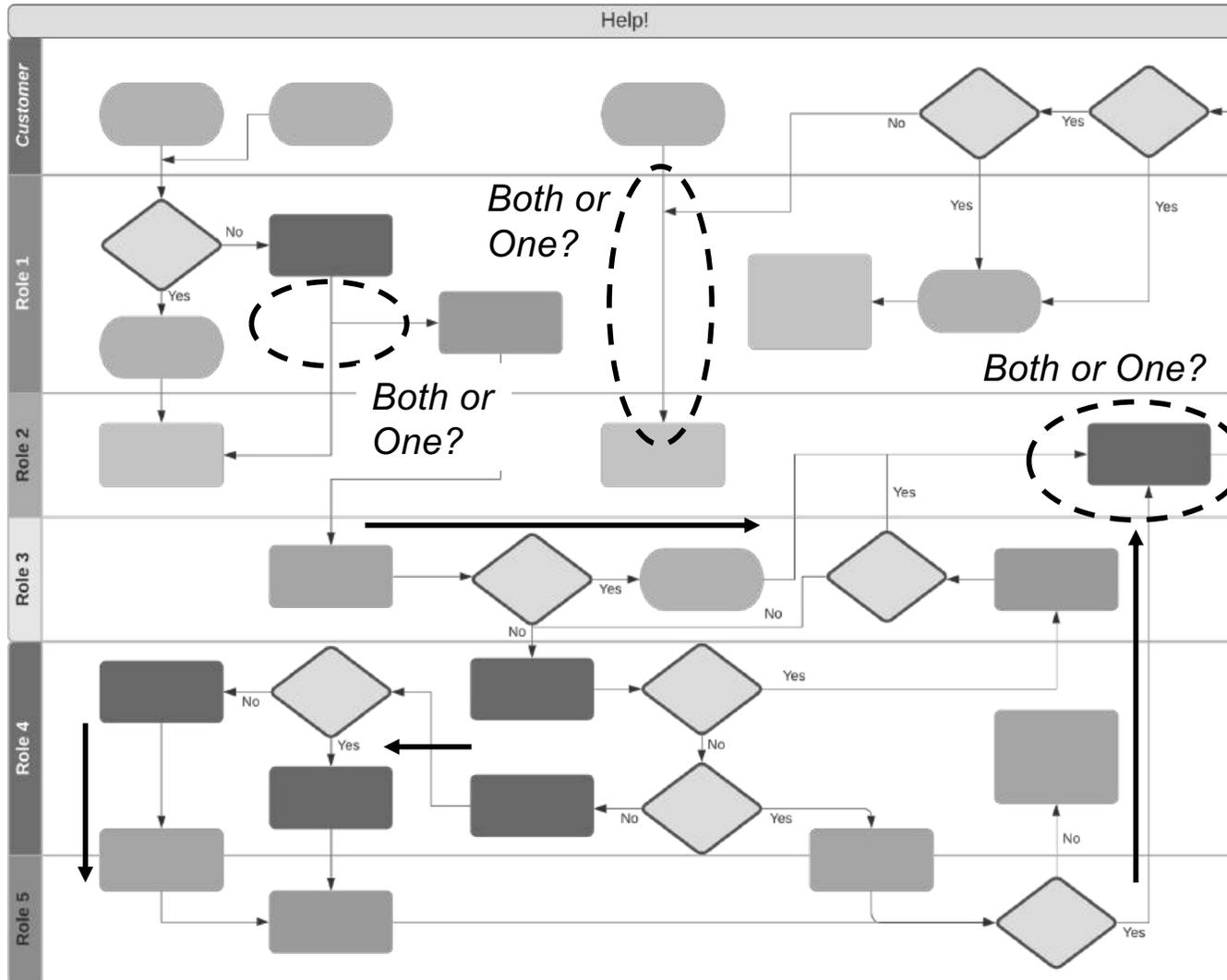


Flowchart Tutorial (with Symbols, ...  
visual-paradigm.com



shutterstock.com • 713363512

# One example... "Chaos With Colours"



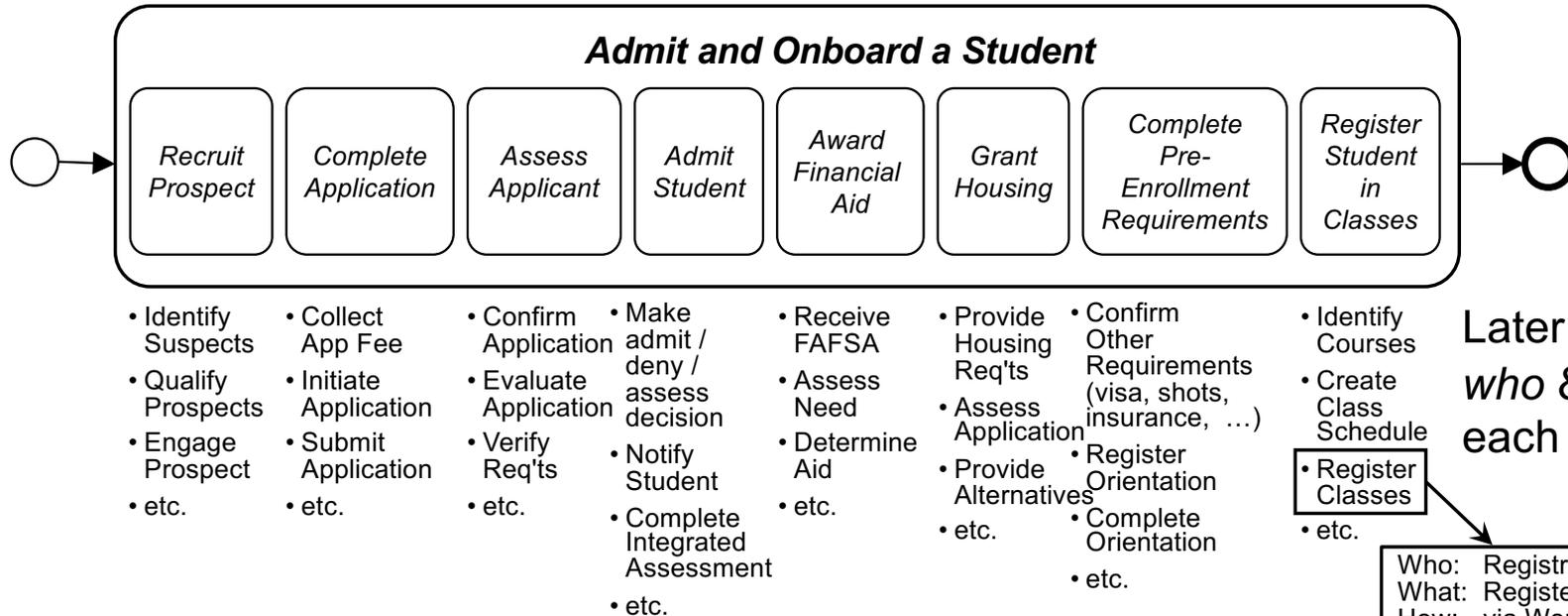
- Probably accurate, not too many symbols, but...
- do unexplained colours help?
  - significance of multiple flows?
    - two separate flows inbound to a step
    - two joined flows inbound to a step
    - one outbound flow splitting
  - but most of all... flows in all directions!:
    - left to right
    - right to left
    - top down
    - bottom up

Why???

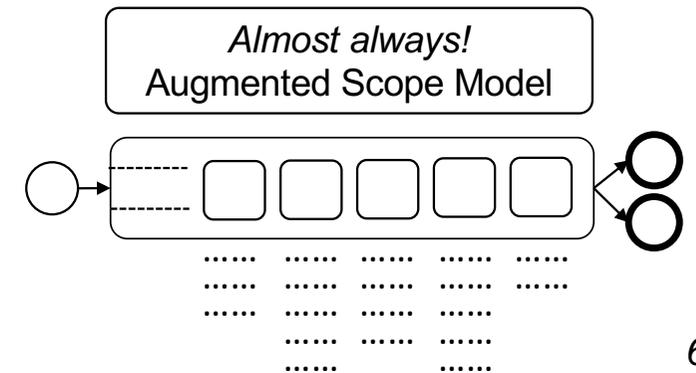
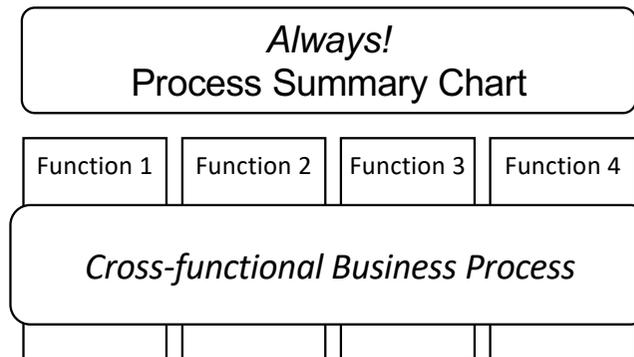
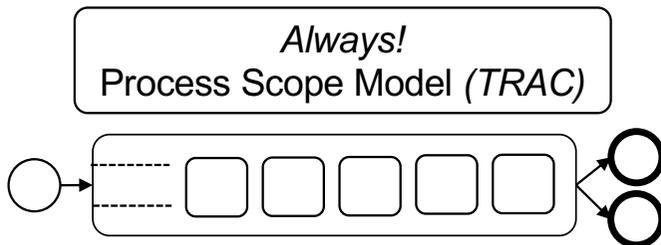
Forcing it into a "one-pager" defeats the graphic power of the diagram.

# If you need a one-pager draw an Augmented Scope Model

Add 5 – 10 Activities per Major Activity



Before "swimlaning"...

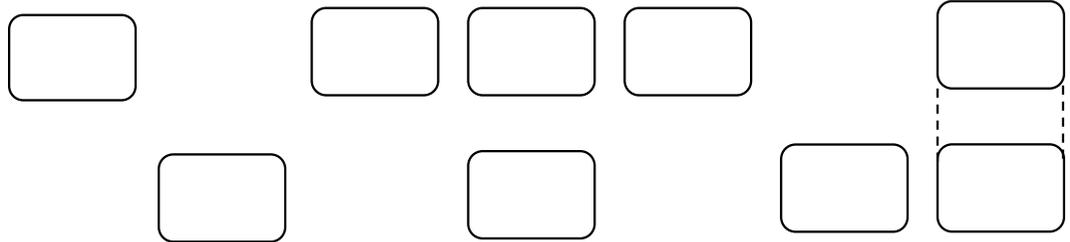
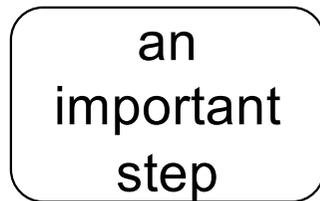


We're almost at swimlane level!

# The Cognitive Psychology of diagramming

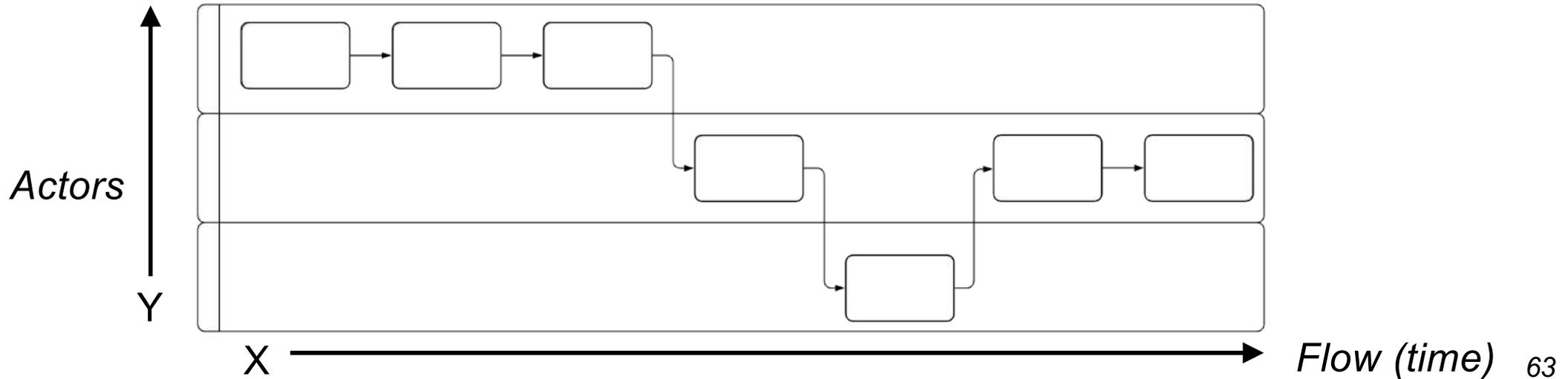
What do people first perceive on a diagram?

## 1. relative size

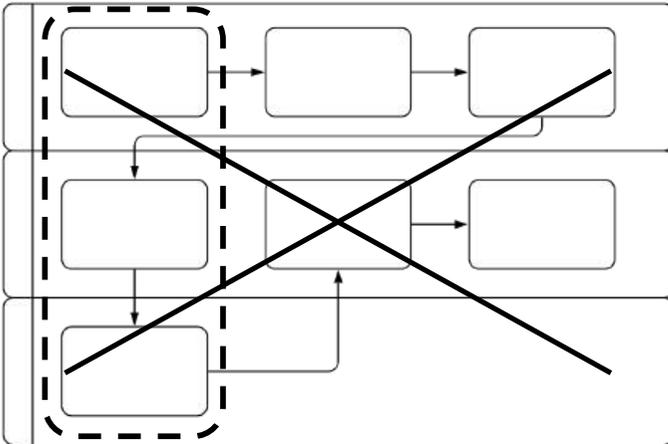


Make all the steps the same size,  
*unless* you're trying to make a point

## 2. relative X-Y position



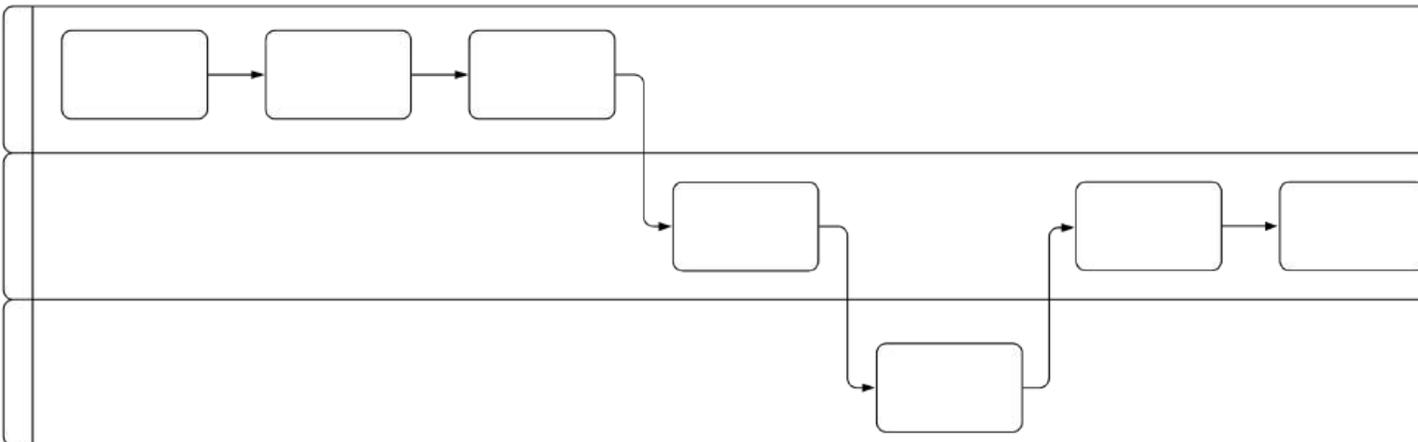
## Don't conceal sequence and dependency



Steps perceived as happening in *parallel*, even though flow lines indicate *sequential*.

Critical in analysing a process:

- sequential vs. parallel
- dependent vs. independent



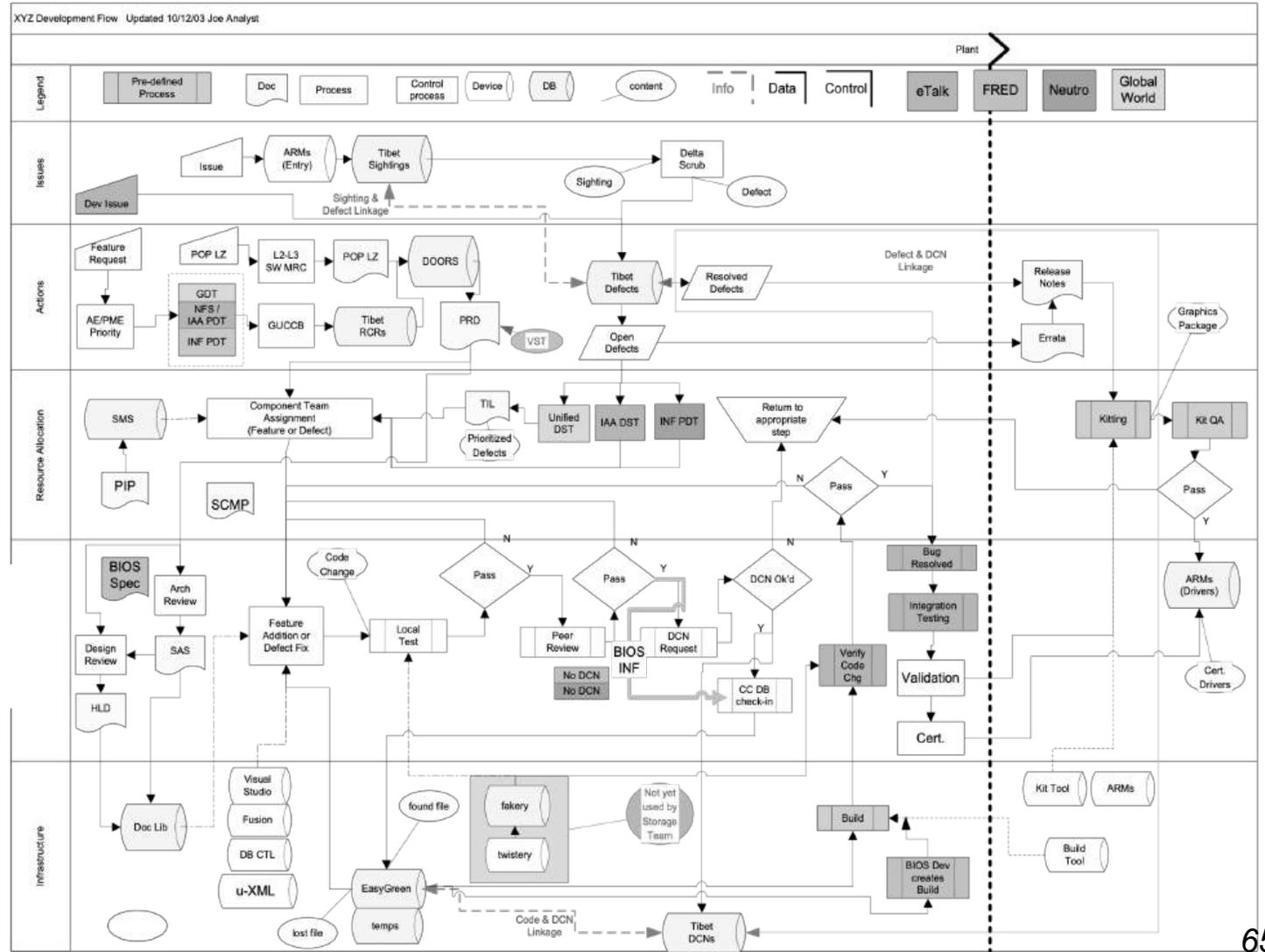
A simple guideline:  
flow lines *only* leave  
the right edge  
and *only* enter  
the left edge – never  
the top or bottom.

"I think I know why our business partners don't want to review this..."

Probably a good DFD (Data Flow Diagram) useful to a technical audience  
 Not a good Process Flow Diagram, useful to business professionals, because...

- no obvious flow
- too many symbols
- cryptic acronyms
- lanes aren't actors
- ...

What's wrong with this diagram as a means of communicating with a business audience?



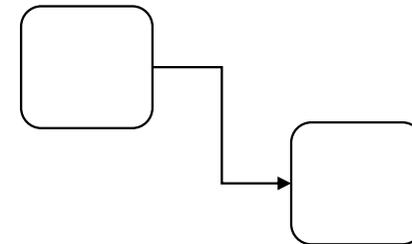
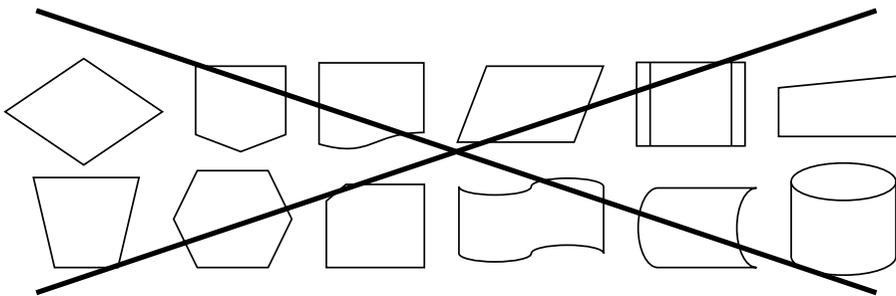
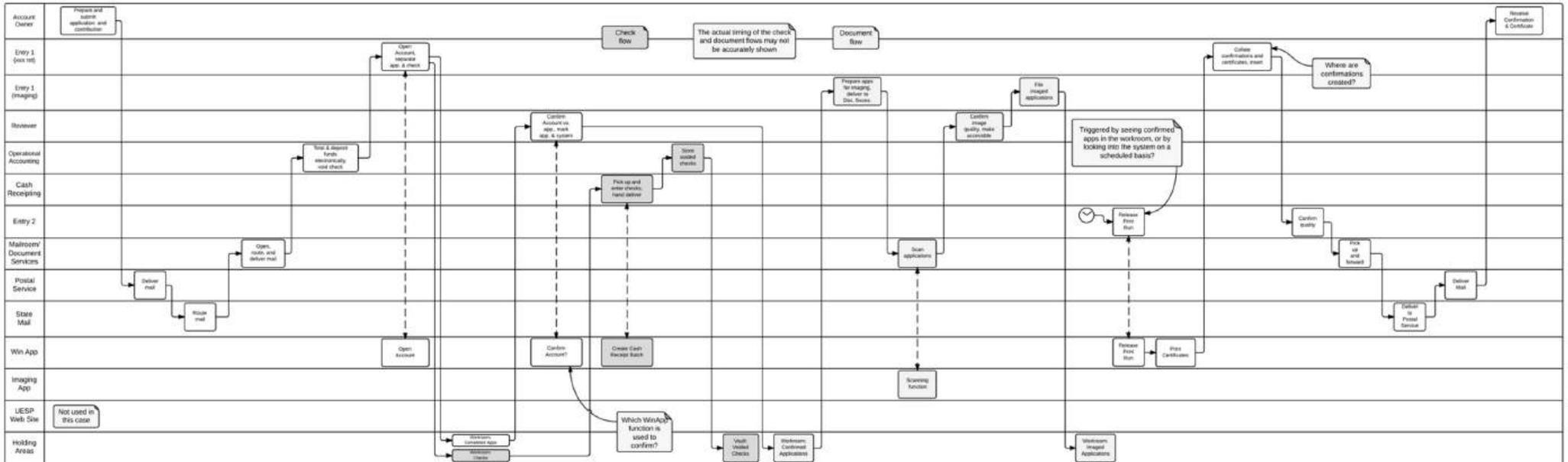
# Boxes alone are a great start

Remember – you can build an initial flow model with Post-its, real or virtual



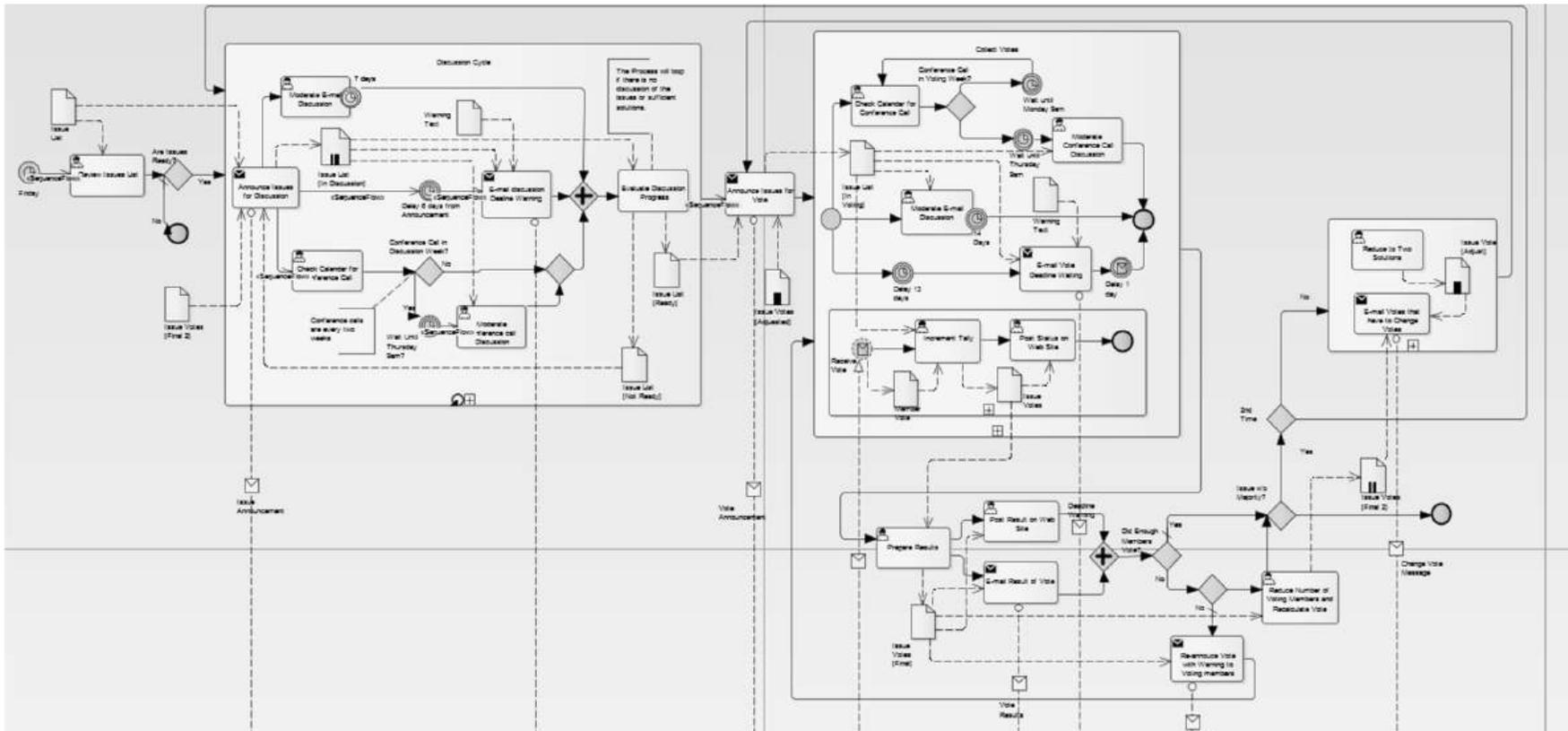
# Minimal symbols

Later, redrew it with *Lucidchart* ([www.lucidchart.com](http://www.lucidchart.com)) – add rigour, but still focus on flow and simplicity.



# Full BPMN\* – not useful for business purposes

If you choose to use BPMN, use extreme restraint! Only use a few symbols such as Lanes, Tasks, Flows, simple Events, and optionally Gateways



\*Business Process Model and Notation, a standard by the OMG. BPMN was created to be a *visual programming language* for automating workflow, not for business modelling.

# The full BPMN symbol set (why we use a subset)

## BPMN 2.0 - Business Process Model and Notation

<http://bpmb.de/poster>

4 kinds of Activities (plus Markers & Task Types)

### Activities

- Task**: A Task is a unit of work, the job to be performed. When marked with a [ ] symbol it indicates a Sub-Process, an activity that can be refined.
- Transaction**: A Transaction is a set of activities that logically belong together; it might follow a specified transaction protocol.
- Event Sub-Process**: An Event Sub-Process is placed into a Process or Sub-Process. It is activated when its start event gets triggered and can interrupt the higher level process context or run in parallel (non-interrupting) depending on the start event.
- Call Activity**: A Call Activity is a wrapper for a globally defined Sub-Process or Task that is reused in the current process.

#### Activity Markers

Markers indicate execution behavior of activities:

- Sub-Process Marker
- Loop Marker
- Parallel MI Marker
- Sequential MI Marker
- Ad Hoc Marker
- Compensation Marker

#### Task Types

Types specify the nature of the action to be performed:

- Send Task
- Receive Task
- User Task
- Manual Task
- Business Rule Task
- Service Task
- Script Task

- Sequence Flow**: defines the execution order of activities.
- Default Flow**: is the default branch to be chosen if all other conditions assigned that defines whether or not the flow is used.
- Conditional Flow**: has a condition assigned that defines whether or not the flow is used.

7 kinds of Gateways

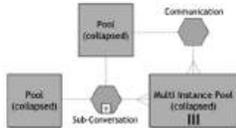
### Gateways

- Exclusive Gateway**: When splitting, it routes the sequence flow to exactly one of the outgoing branches. When merging, it awaits one incoming branch to complete before triggering the outgoing flow.
- Event-based Gateway**: It is always followed by catching events or receive tasks. Sequence flow is routed to the subsequent event/task which happens first.
- Parallel Gateway**: When used to split the sequence flow, all outgoing branches are activated simultaneously. When merging parallel branches it waits for all incoming branches to complete before triggering the outgoing flow.
- Inclusive Gateway (instantiated)**: When splitting, one or more branches are activated simultaneously. All active incoming branches must complete before merging.
- Exclusive Event-based Gateway (instantiated)**: Each occurrence of a subsequent event starts a new process instance.
- Complex Gateway**: Complex merging and branching behavior that is not captured by other gateways.
- Parallel Event-based Gateway (instantiated)**: The occurrence of all subsequent events starts a new process instance.

### Conversations

- A **Communication** defines a set of logically related message exchanges. When marked with a [ ] symbol it indicates a Sub-Conversation, a compound conversation element.
- A **Conversation Link** connects Communications and Participants.
- A **Forked Conversation Link** connects Communications and multiple Participants.

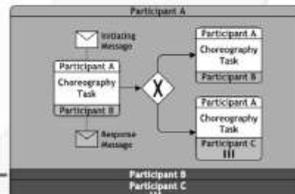
#### Conversation Diagram



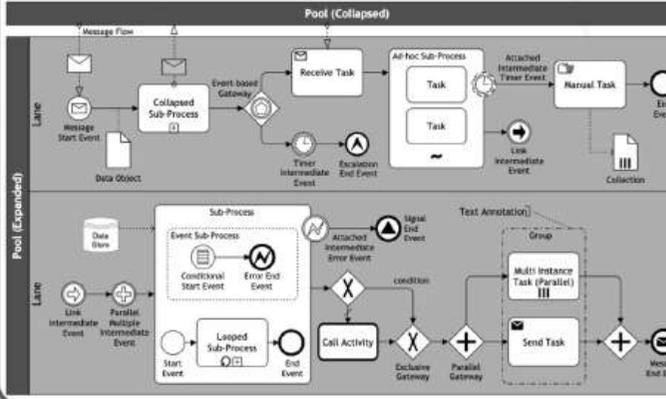
### Choreographies

- Participant A**, **Participant B**, **Participant C**
- Choreography Task**
- Choreography Sub-Process**
- Multiple Participants Marker**: denotes a set of Participants of the same kind.
- Choreography Sub-Process**: contains a refined choreography with several Interactions.

#### Choreography Diagram



### Collaboration Diagram



### Swimlanes

- Pools (Participants) and Lanes** represent responsibilities for activities in a process. A pool or a lane can be an organization, a role, or a system. Lanes subdivide pools or other lanes hierarchically.
- Message Flow** symbolizes information flow across organizational boundaries. Message flow can be attached to pools, activities, or message events.
- The order of message exchanges can be specified by combining message flow and sequence flow.

63 kinds of Events

### Events

	Start	Intermediate	End
Top-Level	Start		End
Event Sub-Process Interrupting	Start		End
Event Sub-Process Non-Interrupting	Start		End
Catching			End
Boundary Interrupting			End
Boundary Non-Interrupting			End
Throwing			End

Now: Untyped events, indicate start point, state changes or final states.

Message: Receiving and sending messages.

Timer: Cyclic timer events, points in time, time spans or timeouts.

Escalator: Escalating to an higher level of responsibility.

Conditional: Reacting to changed business conditions or integrating business rules.

Link: Off page connectors. Two corresponding link events equal a sequence flow.

Error: Catching or throwing named errors.

Cancel: Reacting to cancelled transactions or triggering cancellation.

Compensation: Handling or triggering compensation.

Signal: Signaling across different processes. A signal thrown can be caught multiple times.

Multiple: Catching one out of a set of events. Throwing all events defined.

Parallel Multiple: Catching all out of a set of parallel events.

Terminator: Triggering the immediate termination of a process.

6 ways to represent Data

### Data

- Data Input**: An external input for the entire process. It can be read by an activity.
- Data Output**: A variable available as result of the entire process.
- Data Object**: Represents information flowing through the process, such as business documents, e-mails, or letters.
- Collection Data Object**: Represents a collection of information, e.g., a list of order items.
- Data Store**: A place where the process can read or write data, e.g., a database or a filing cabinet. It persists beyond the lifetime of the process instance.
- Message**: Used to depict the contents of a communication between two Participants.



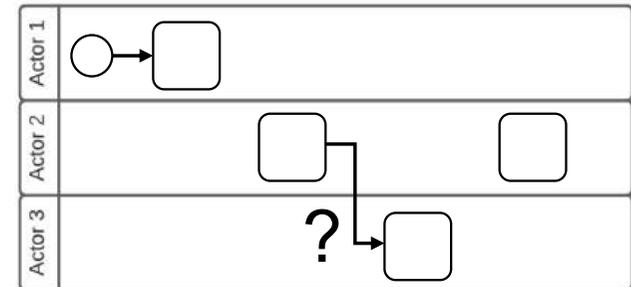
# Three questions to develop your initial workflow model

## Emphasis:

- keep you out of the details – focus on *flow*
- ensure the involvement of *every* actor is shown – it doesn't matter *how much* or *how little* they do, or whether they *add value*

## Three simple questions:

1. “Who gets the work next?”
2. “How does it get there?”  
– Often uncovers "transport" actors or systems
3. “Who *really* gets the work next?”  
– Often uncovers additional actors

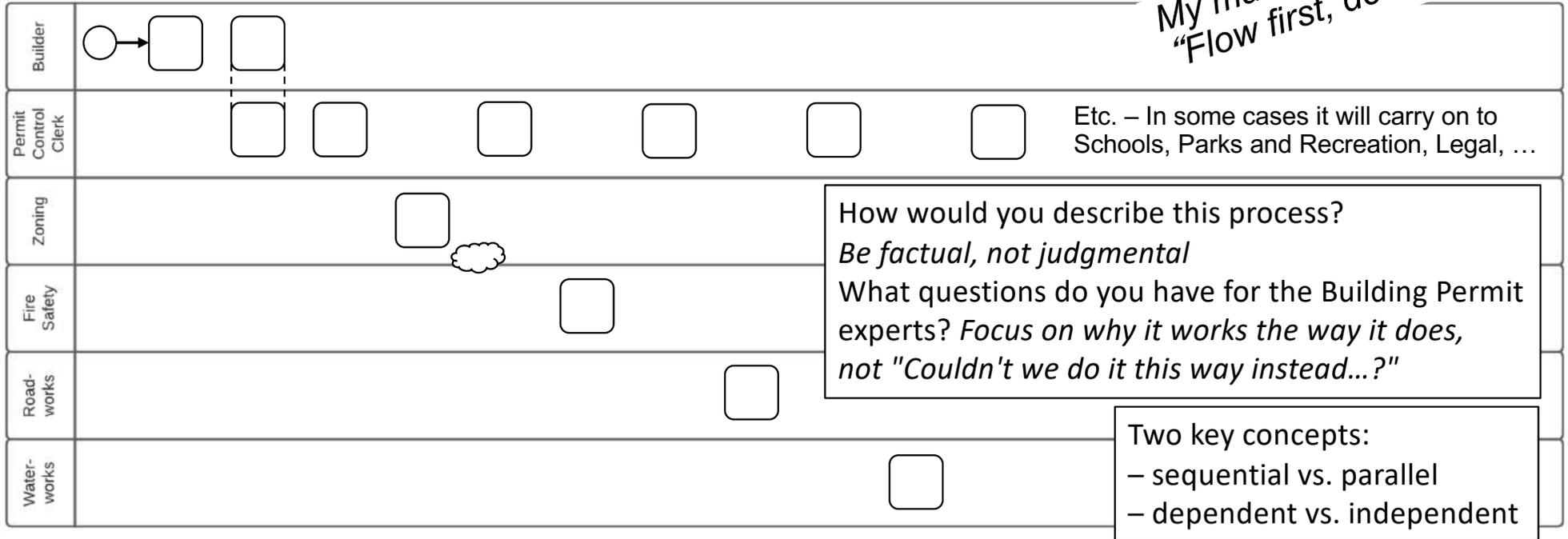


Guideline for the initial Handoff Diagram:  
Whenever an actor *holds the work*, whether they do a *lot* or a *little*, draw *one* box (or post *one* sticky) and *move on!*  
(And no value judgements – include *every* actor that holds the work!)

# Question 1 – "Who gets it next?" traces overall flow

Process: Issue Building Permit  
Case: Single Family Dwelling (SFD)

*My mantra –  
"Flow first, detail later"*

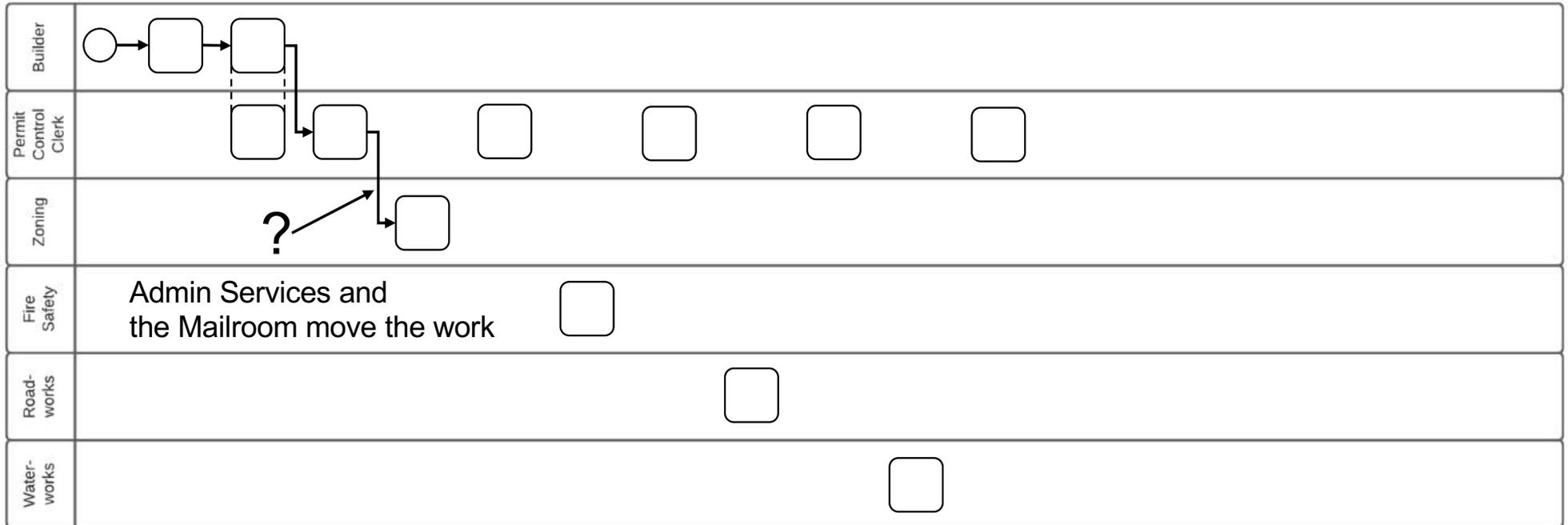


In scoping, you identified the trigger, the result, and the main actors. Now, starting at the triggering event, keep asking question 1 –  
"Who gets the work next?"

- trace the flow of work through to the Customer's result, following one path only!
- at a decision or parallel flows, follow the main path, mark the other with a cloud, and return later
- **DO NOT** ask "What do you do?"

# Question 2 – "How does it get there?" uncovers more actors

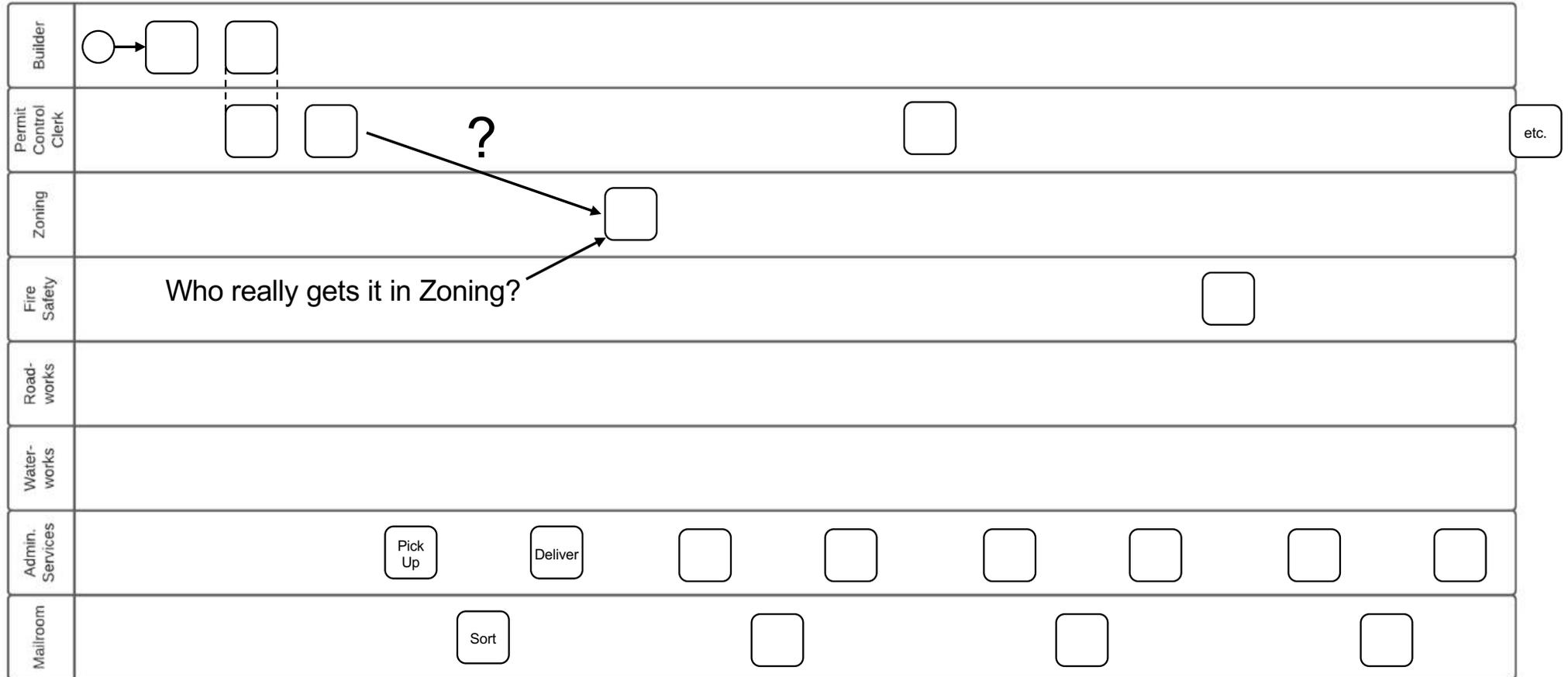
Process: Issue Building Permit  
Case: Single Family Dwelling (SFD)



Next, at every handoff, ask question 2 –  
"How does it get there?"

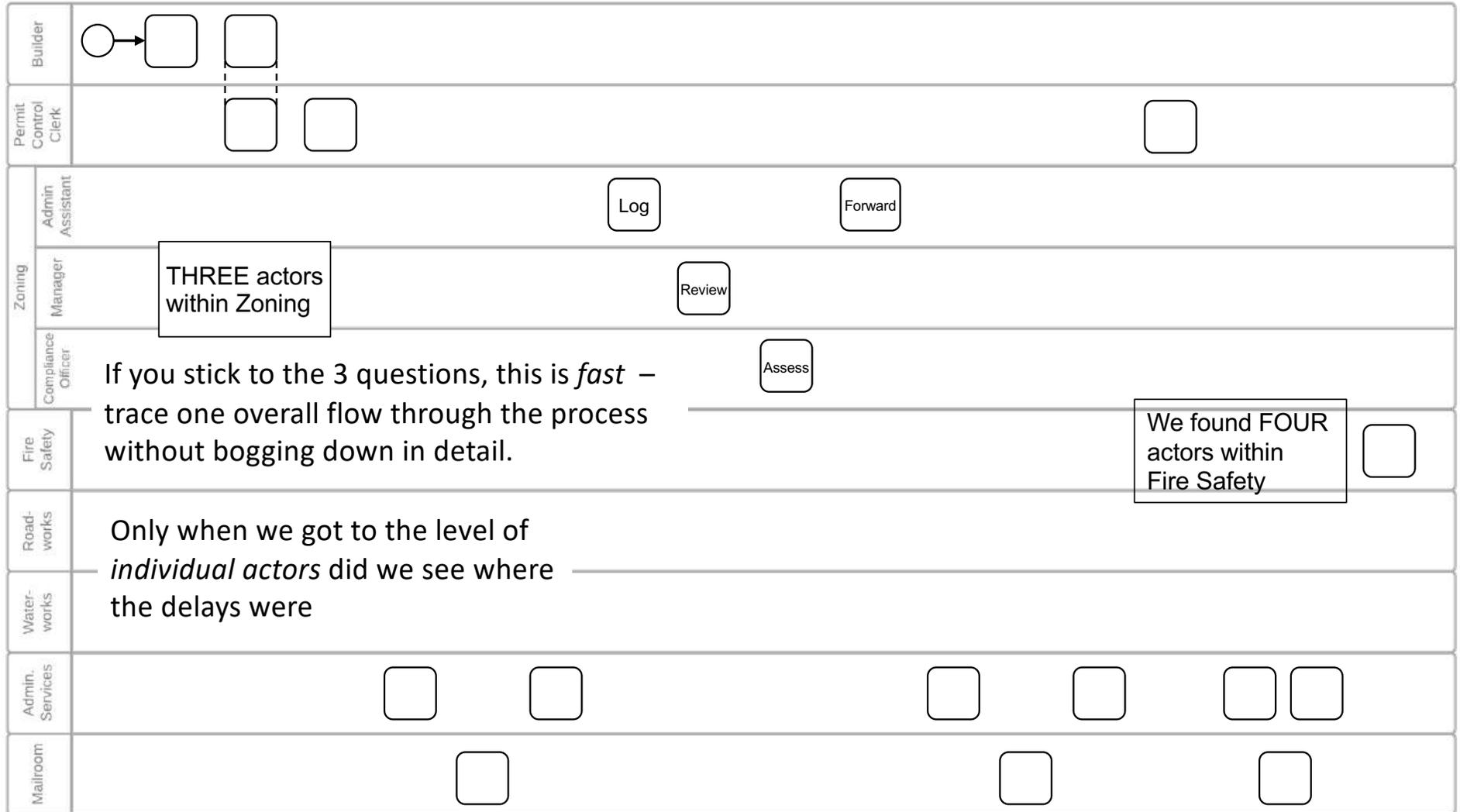
- uncovers *additional actors*, and therefore more handoffs
- a handoff is a potential source of *delay, error, or expense*

# Question 2 revealed more actors and transport mechanisms

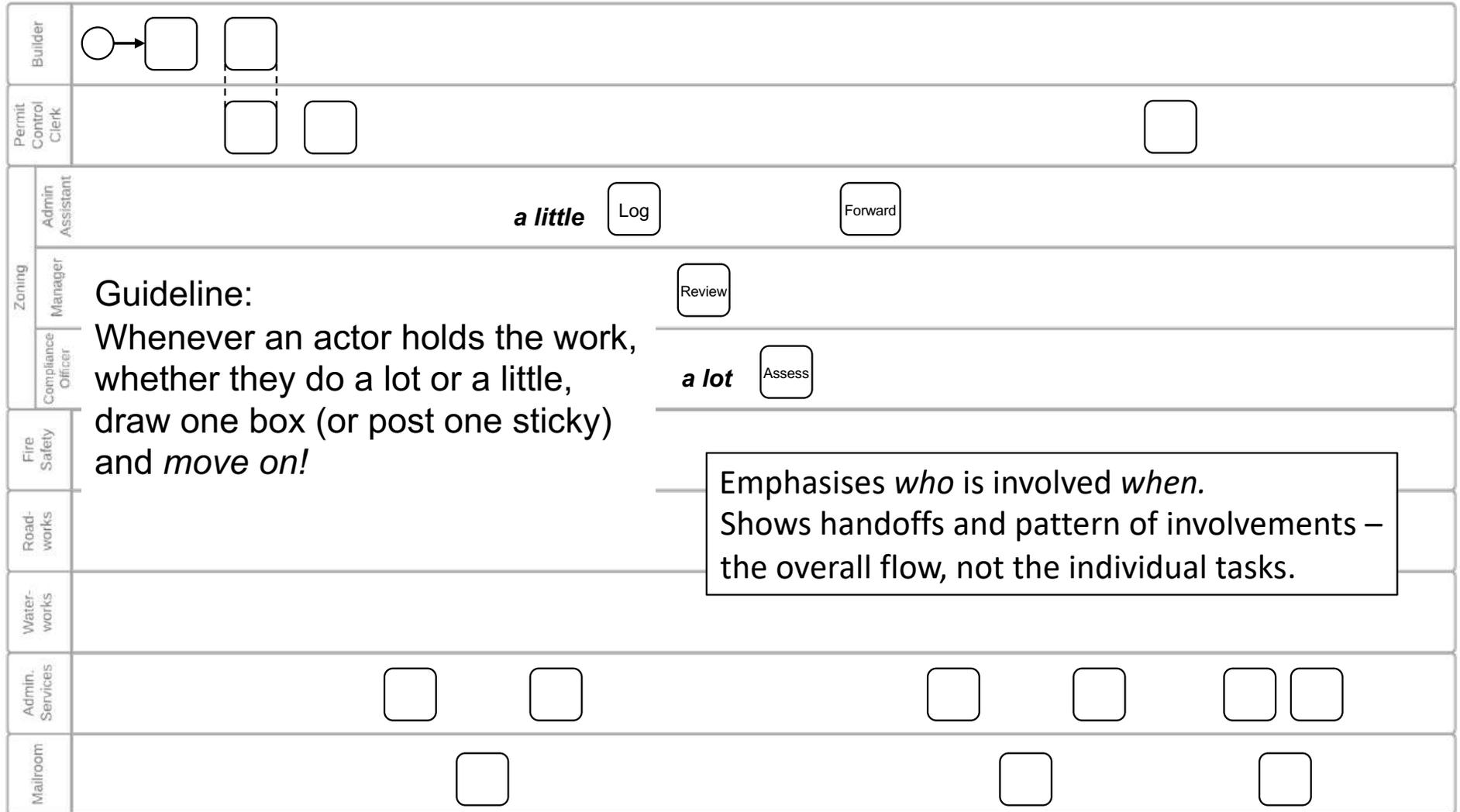


Now, inspect handoffs again, looking for missing actors, ask question 3 -  
 “Who really gets it next?”  
 - does it *really* go directly to the actor you first identified?

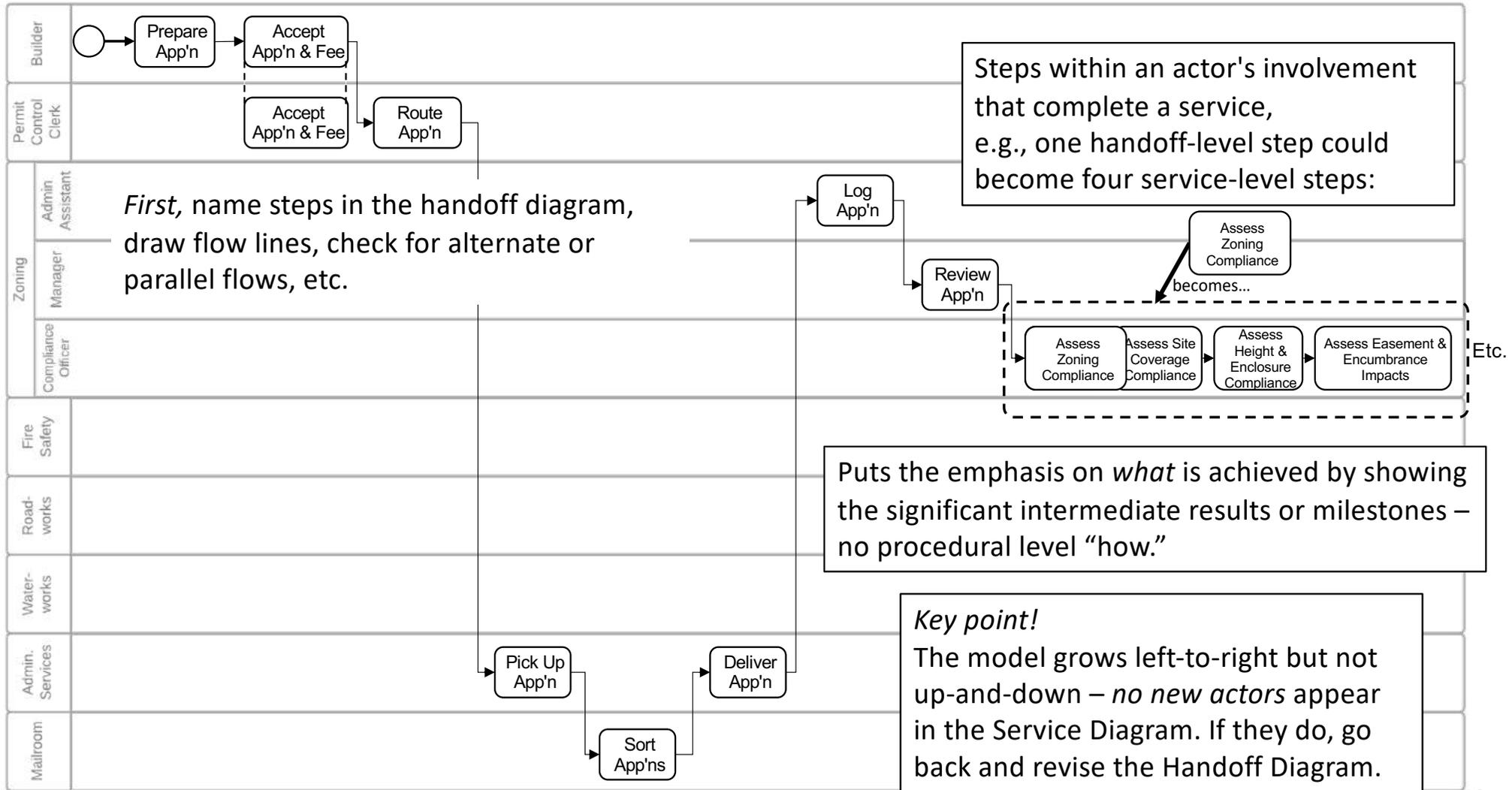
# Question 3 – "Who really gets it next?" uncovers specific roles



# We have started a "Handoff Diagram"



# Now develop a "Service Diagram"



## Two levels of swimlane diagrams

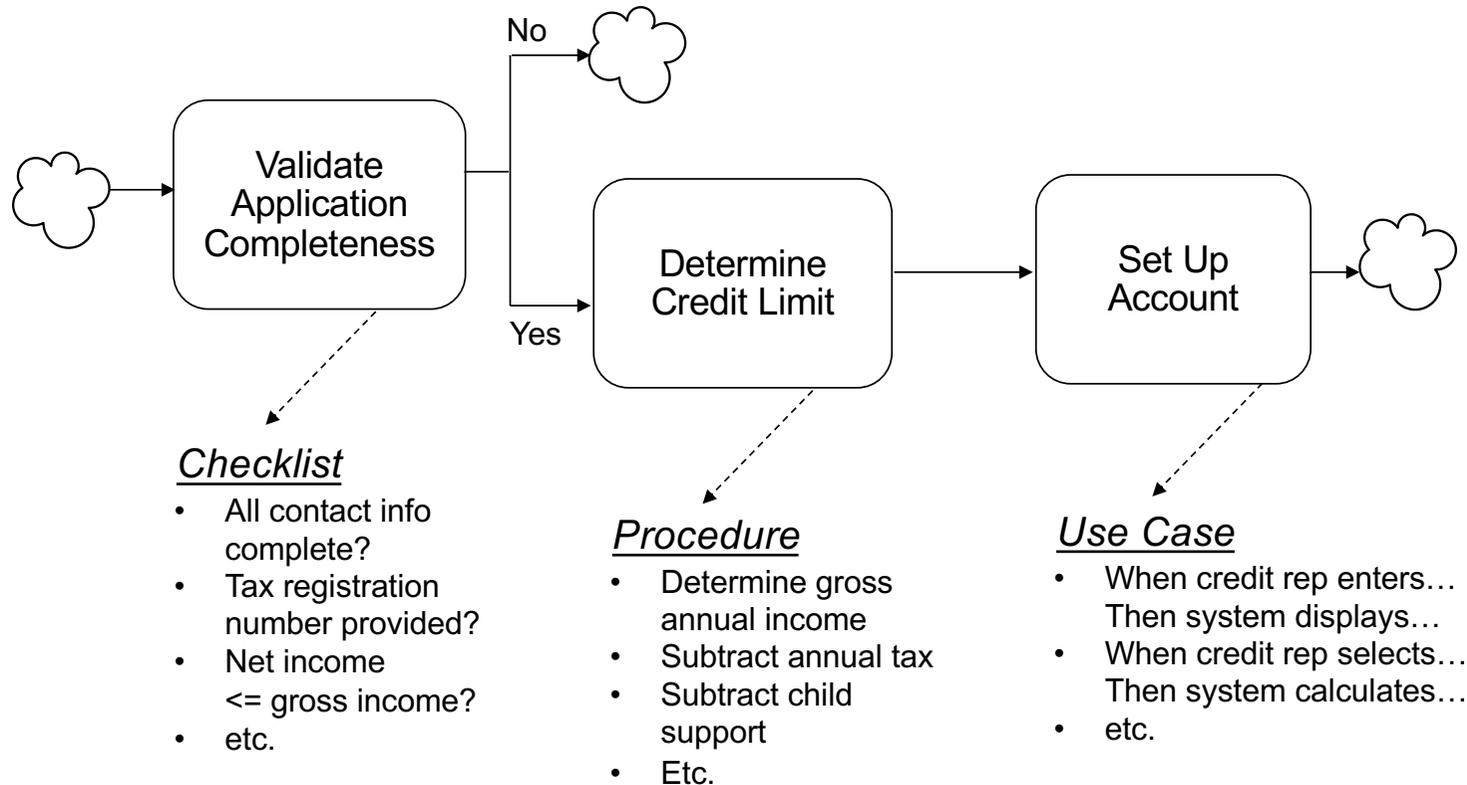
	<b>Level</b>	<b>Definition</b>	<b>Emphasis</b>	<b>Notes</b>
	<b>1</b> 	<ul style="list-style-type: none"> <li>Draw one step (box) every time an actor continuously “holds the work,” no matter how much or little they do</li> </ul>		<ul style="list-style-type: none"> <li>Sometimes this level of detail is enough to understand As-Is process behaviour</li> </ul>
	<b>2</b> 	<ul style="list-style-type: none"> <li>Decompose handoff-level steps into discrete services, <i>as necessary</i>: one step each time actor achieves a significant result or state change</li> </ul>		<ul style="list-style-type: none"> <li>Usually, we don't go any further than this for the As-Is process</li> <li>Also called a “Milestone” diagram</li> </ul>

*The handoff-level diagram is critical – ensures we discover the overall flow before diving into detail.*

## Stop diagramming before you get into “how”

Stop workflow modelling when work isn't flowing.

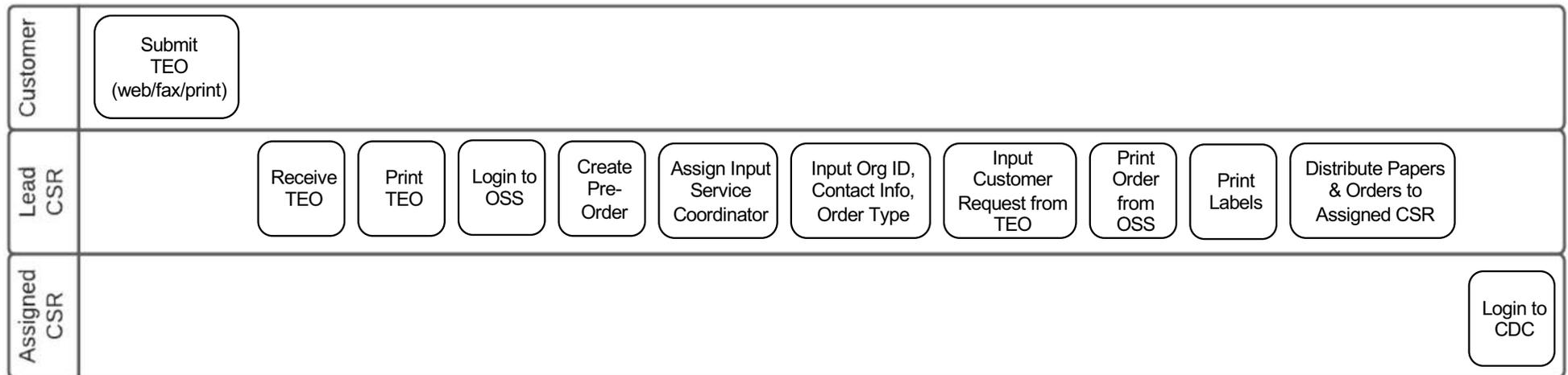
Do **not** use a workflow model to describe **how** an activity is done – that belongs in the activity description or in a linked document.



# Knowing when you've gone too far

Do **not** use a workflow model to describe **how** an activity is done – that belongs in the activity description or in a linked document.

Handle TEO  
(Telecom Equipment Order)



You've gone too far if:

- there are multiple steps in sequence by the same actor
- the steps include "how-to" instructions (procedural level detail)

# Summary – where we've been, where we're going

## Principles

The purpose of a *Workflow Model* is to show the *Flow of Work*

Simplicity is a virtue

Always do a Scope Model and a Summary Chart before flow modelling

## Why they work

Flow (sequence & dependency) is clearly visible, left to right

Simple to read – the symbols are mostly boxes and lines

Shows all actors and their steps, and therefore all interactions and handoffs

Shows the entire, end-to-end process, from trigger to results

Shows "what" the steps are without diving into "how"

## The most *common* errors

Concealing flow by drawing a convoluted diagram, usually in an attempt to make it a "one-pager"

Using a lot of symbols that regular folks don't understand

Omitting actors just because they play a minor part – *everyone* has an impact

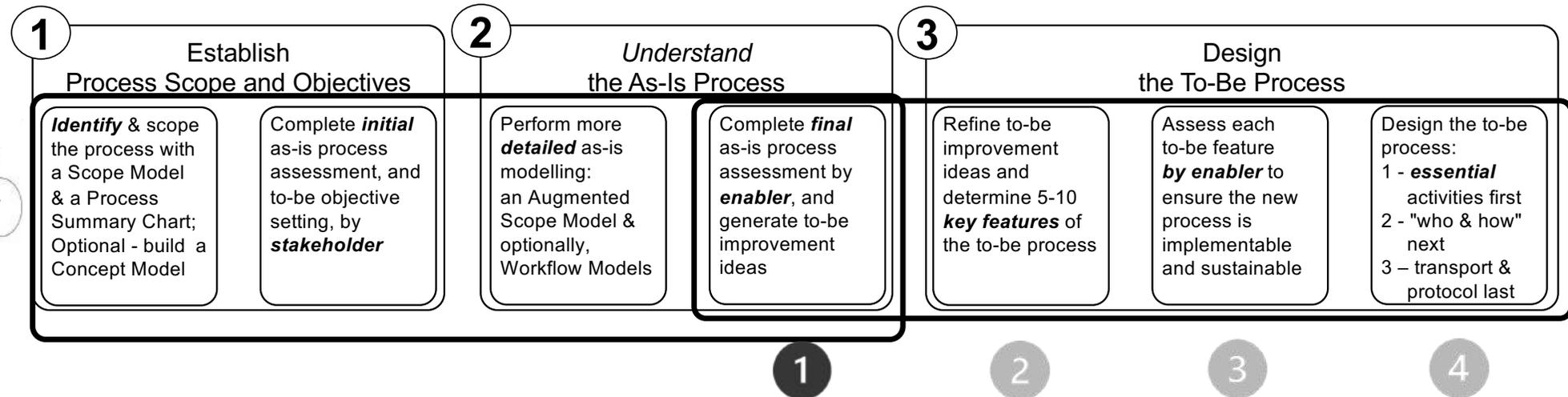
Cutting the diagram into one-page segments – the initial flow model should be continuous

Using a Workflow Model to document procedural level detail

## *Moving into to-be design*

1. Four things you *need* to know about *Business Processes*
2. Identifying true, end-to-end, cross-functional *Business Processes*
3. Process modelling for *humans*
4. Overview –  
the transition from *as-is* analysis to *to-be* design

# The link between the As-is Process and the To-be Process



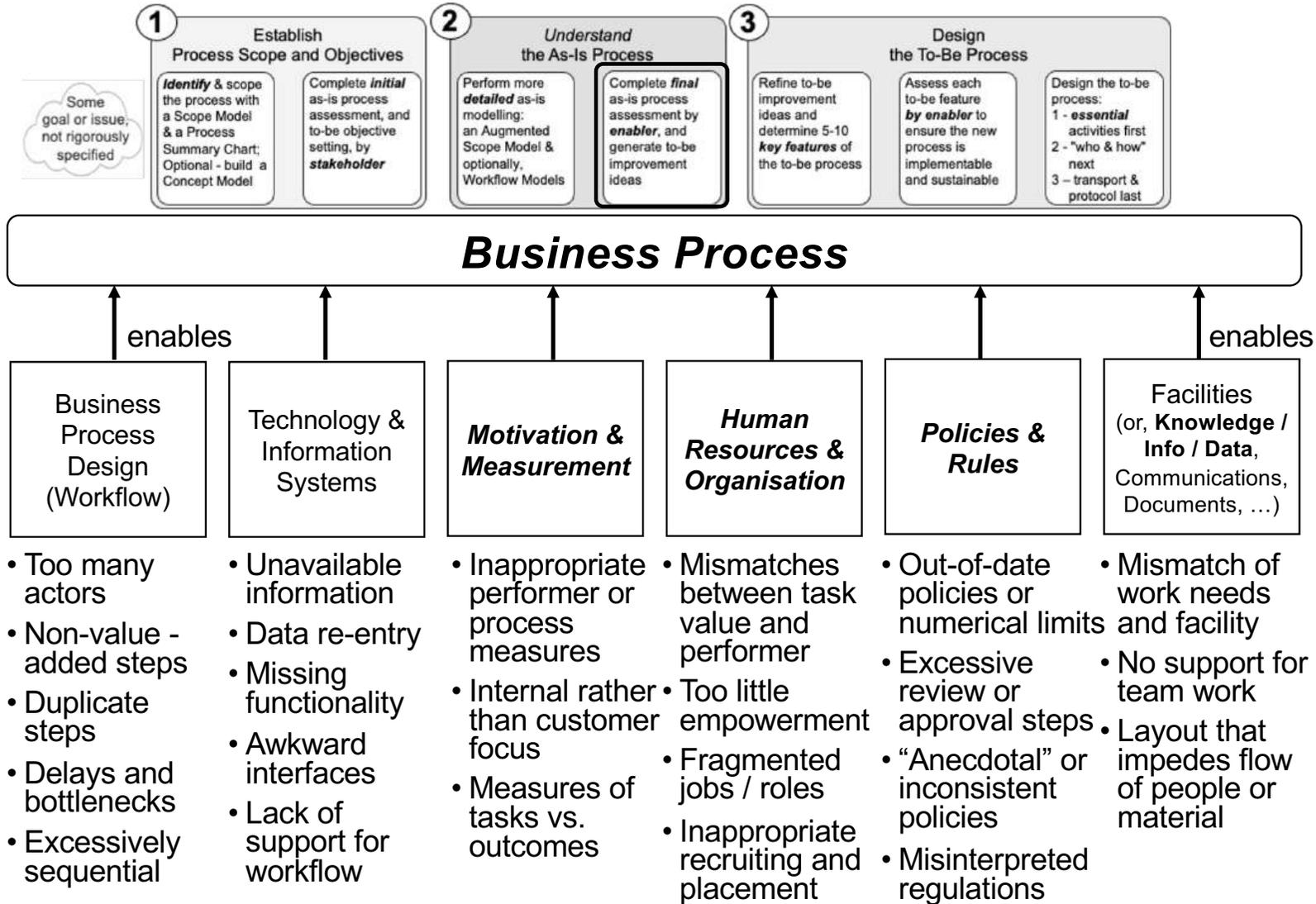
This activity ( **1** ) marks the pivot from as-is to to-be:

- we capture what we learned while studying the *as-is*
- we use this to generate ideas for the *to-be*
- three more activities ( **2** **3** **4** ) lead us to a new design

*Key point!*

Much of what we learn comes from discussions along the way, not from studying the swimlane diagram.

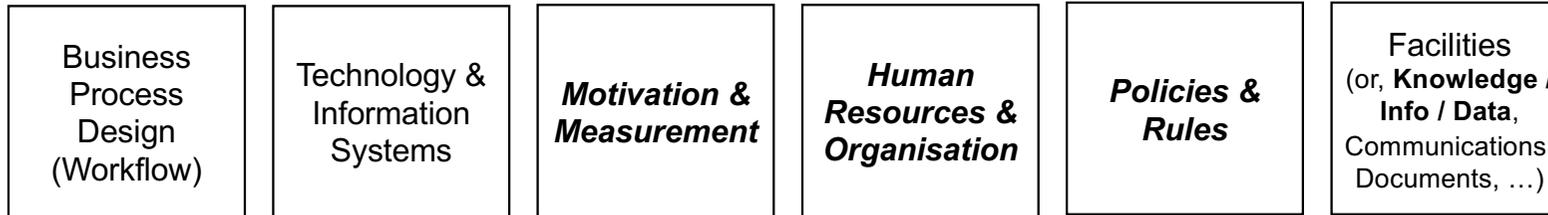
# Complete final as-is assessment, generate to-be ideas



Considering all six enablers is at the heart of this methodology

This *always* uncovers issues that would have been missed otherwise and *always* generates ideas (potential *features*) for the to-be process

## A few examples...



### *Workflow AND Technology*

- Failing to rethink process design to take advantage of new technology...
- *The new "Settle Claim" process was still completely sequential after implementing a Workflow system because they copied the old paper-based workflow*

### *Motivation and Measurement*

- What you measure is what you get...
- *Customer Service Representatives: measured on not exceeding 2 minute call time, so they hung up on Customers at 1:58 or 1:59*

### *Human Resources*

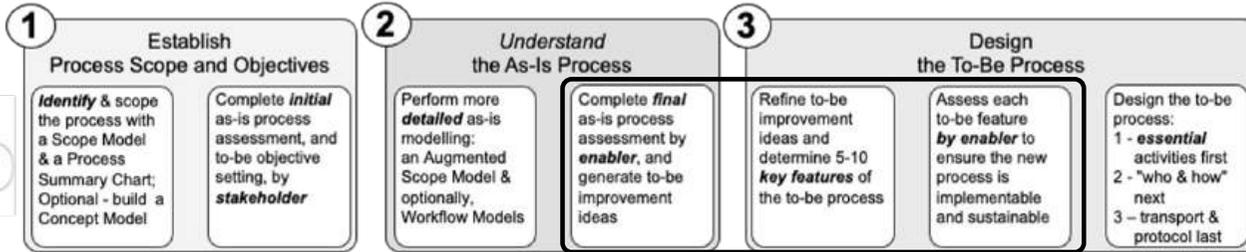
- Depressingly common...
- *Clerical, administrative, and support staff made redundant, so highly-paid professional staff do the work instead (and poorly)*

### *Policies & Rules*

- Micromanagement...
- *Laboratory technicians: work had to be checked by a senior manager after every step, so the process was bogged down in pointless reviews*

# Assess by enabler, establish 5-10 to-be features, assess each feature by enabler

Some goal or issue, not rigorously specified



A feature is a significant change or improvement to the process, or a significant factor in the design of an all-new process.

Enabler-based assessment of the as-is process generates ideas for the to-be process.

	Assessment:	Features:
<b>Motivation &amp; Measurement</b>	Sales Reps motivated entirely by commission, with no motivation to return and submit Service Orders	<del>Increase Rep's commission for early submission</del> <b>New Sales Assistant role to enter Service Orders</b>
<b>Human Resources</b>	Order Capture and Order Submission are not effective uses of a Sales Rep's time	<b>Service Order entry directly by Customer</b> <b>New Sales Assistant role to enter Service Orders</b>

Rejected by execs. A feature.

Another feature.

Same feature again.

Then, assess each Feature – what changes are needed, enabler by enabler, to make this feature work?

Feature	Process Design	Info. Systems & Tech.	Motivation & Measurement	Human Resources	Policies & Rules	Facilities (or other)	Feasibility & Notes
<b>Direct Service Order entry by Customers</b>	Need to get the Service Order from the server to the Engineering Supervisor for assignment, and then to Engineer for assessment  Customer review?	Obviously, all the Web stuff  Integrated Service Order DB  Workflow functionality?  What format for Customer sketches?	Commission? What impact on commissions for current sales force?	Displacement of current Sales Reps? What are expectations for freed-up Sales Rep time? Customer training?	Will all Customers have access to this?	Electronic orders may free up space currently used for bins, boards, etc..	Highly feasible. What will Customer and Sales Rep reaction be?

Avoids unanticipated consequences!

## A bit more on assessing each to-be feature, enabler by enabler

Intent:

- Ensure each feature is *implementable* and *sustainable*
- Avoid *unanticipated consequences* through a holistic assessment

For each *feature*, ask...

"What needs to change in *this specific enabler* to make this *feature* work?"

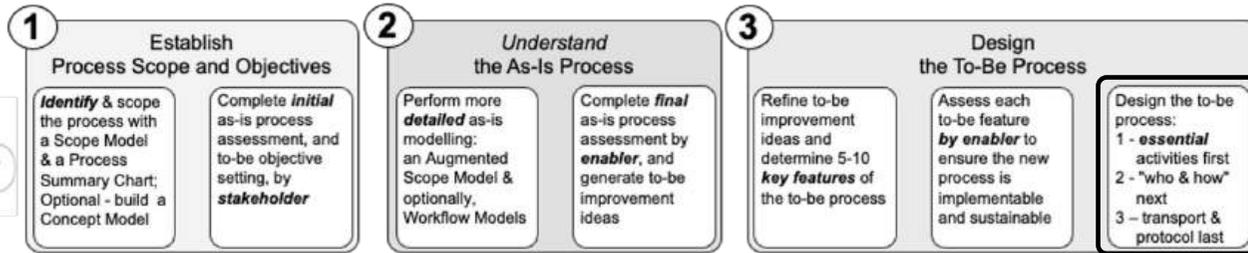
\*\*\*Changes in multiple enablers are usually needed for each feature.

Feature	Process Design	Info. Systems & Tech.	Motivation & Measurement	Human Resources	Policies & Rules	Facilities (or other)	Feasibility & Notes
<i>Assign authority for higher-value work to Support Staff rather than having it all done by Senior Records Managers.</i>	Need to decide whether we can auto-route requests to the appropriate staff member, or if all should go to a Senior Records Manager for routing	Current systems are much too complex for most cases, especially the ones that would now go to Support Staff. Need to isolate and only display essential functions	We MUST adjust the performance measures of Support Staff to ensure they are not penalised for taking on additional responsibility	Revise job descriptions for Support Staff as necessary. Provide additional training in Records Management functions and the RM System	Current policies dictate that all categorization and classification work be carried out by Records Managers – this will have to change. Some regulations may be a factor	Some Support Staff will be moved closer to Records Managers, but this is a minor change	Highly feasible if we can resolve Policy issues. Support Staff are very positive about the opportunity, and Records Managers look forward to more time for high-value work.

This feature required change in *all six* enablers, especially M&M and P&R!

# Design to-be process – overview (beyond scope of Primer)

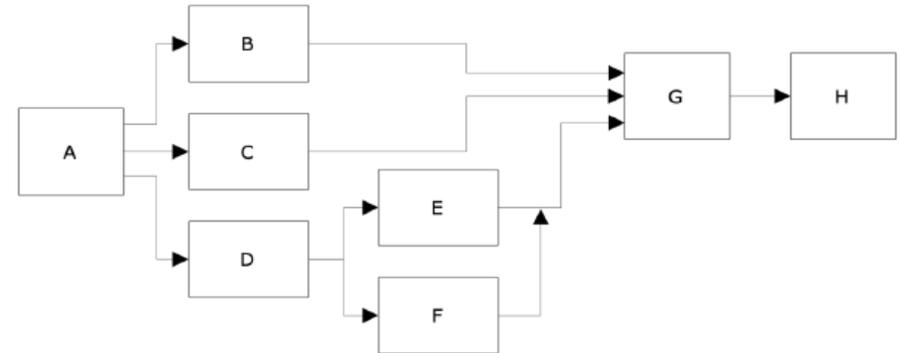
Some goal or issue, not rigorously specified



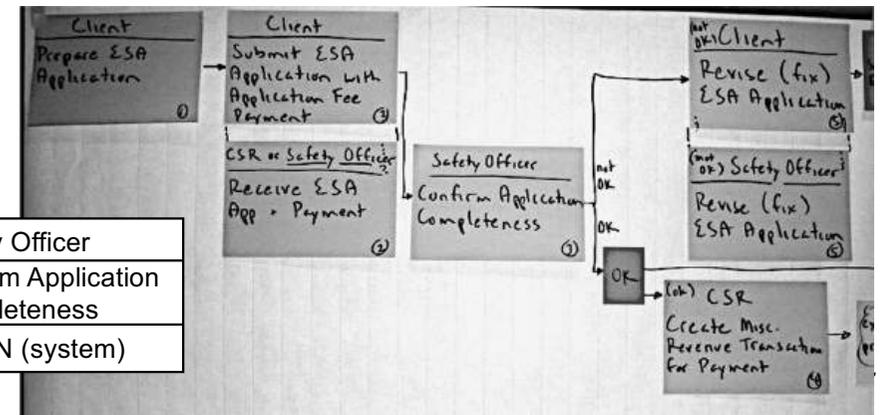
## Key points:

- As with the as-is process – "What first, who and how later"
- Design around *essential* steps, not *administrative* steps

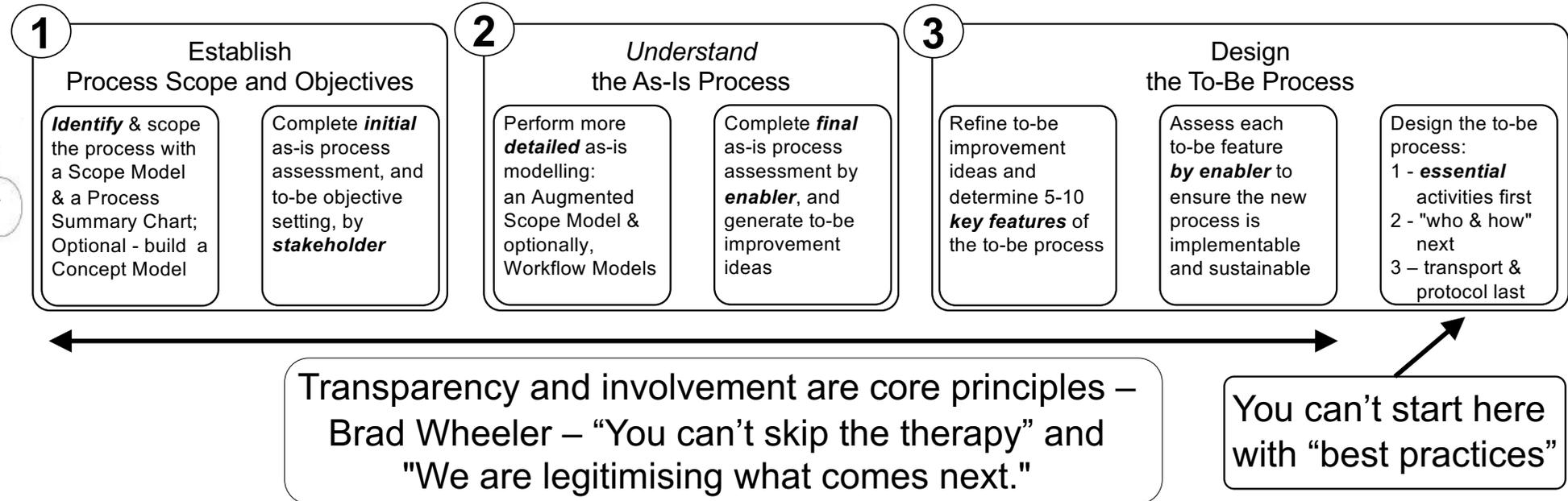
- Use an Augmented Scope Model to determine what the essential activities are
- Next, factor in who will perform each activity, then how
  - a person as a manual activity
  - a person interacting with a system, e.g. a use case
  - a system, e.g., RPA (Robotic Process Automation)
- Link essential activities by dependency – a PERT chart
- Adjust – e.g., verify activity is assigned to the correct role
- Only then redraw as a swimlane diagram
- *Finally*, add non-value-added but necessary activities:
  - transport, record keeping, notification, etc.
  - ensure any approval steps are *really* necessary ("Don't confuse notification with approval.")



Who: Safety Officer
What: Confirm Application Completeness
How: S-MAN (system)



# Remember – "It's a process!"



Making the new process sustainable:

- Alignment of *all* enablers, especially *Motivation & Measurement*, *Human Resources & Organisation*, and *Policies & Rules*
- Visibility of the process – the *whole* process, right down to *job aids*
- *Training* in the new process for current and new staff
- Time for *each feature* of the new process to *take hold* before more change – *continuous* change should mean *regular* but not *constant* change

# Other courses for analysts by Alec Sharp

## **Working With Business Processes – Process Change in Agile Timeframes** 2 days

Business processes matter, because business processes are how value is delivered. Understanding how to work with business processes is now a core skill for business analysts, process and application architects, functional area managers, and even corporate executives. But too often, material on the topic either floats around in generalities and familiar case studies, or descends rapidly into technical details and incomprehensible models. This workshop is different – in a practical way, it shows how to discover and scope a business process, clarify its context, model its workflow with progressive detail, assess it, and transition to the design of a new process by determining, verifying, and documenting its essential characteristics. Everything is backed up with real-world examples, and clear, repeatable guidelines.

## **Business-Oriented Data Modelling – Useful Models in Agile Timeframes** 2 days

Data modelling was often seen as a technical exercise, but is now known to be essential to other initiatives such as business process change, requirements specification, Agile development, and even big data, analytics, and data lake implementation. Why? – because it ensures a common understanding of the things – the entities or business objects – that processes, applications, and analytics deal with. This workshop introduces concept modelling from a non-technical perspective, provides tips and guidelines for the analyst, and explores entity-relationship modelling at contextual, conceptual, and logical levels using techniques that maximise client involvement.

## **Working With Business Processes Masterclass – Aligning Process Work with Strategic, Organisational, and Cultural Factors** 3 days

This 3-day interactive workshop combines the core content from two highly-rated classes by Alec Sharp – “Working With Business Processes” and “Advanced Business Process Techniques.” This structure is popular because it gets both new and experienced practitioners to the same baseline on Clariteq’s unique, agile, and ultra-practical approach to Business Process Change. First, it shows how to effectively communicate Business Process concepts, discover and scope a business process, assess it and establish goals, and model it with progressive detail. Then, it shifts to advanced topics – specific, repeatable techniques for developing a process architecture, encouraging support for change, and completing a feature-based process design. The emphasis is always on ensuring business process initiatives are aligned with human, social, cultural, and political factors, and enterprise mission, strategy, goals, and objectives.

## **Business-Oriented Data Modelling Masterclass – Balancing Engagement, Agility, and Complexity** 3 days

*Our most popular workshop!* This intensive 3-day workshop combines the core content from two popular offerings by Alec Sharp – “Business Oriented Data Modelling” and “Advanced Data Modelling.” First, the workshop gets both new and experienced modellers to the same baseline on terminology, conventions, and Clariteq’s unique, business-engaging approach. We ensure a common understanding of what a data model *really* is, and maximising its relevance. Then, we provide intense, hands-on practice with more advanced situations, such as the enforcement of complex business rules, handling recurring patterns, satisfying regulatory requirements to model time and history, capturing complex changes and corrections, and integrating with dimensional modelling. Always, the philosophy is that a data model is a description of a business, not of a database, and the emphasis is on engaging the business and improving communication.

## **Model-Driven Business Analysis Techniques – Proven Techniques for Processes, Applications, and Data** 3 days

Simple, list-based techniques are fine as a starting point, but only with more rigorous techniques will a complete set of requirements emerge, and those requirements must then be synthesised into a cohesive view of the desired to-be state. This three-day workshop shows how to accomplish that with an integrated, model-driven framework comprising process workflow models, a unique form of use cases, service specifications, and business-friendly data models. This distinctive approach has succeeded on projects of all types because it is “do-able” by analysts, relevant to business subject matter experts, and useful to developers. It distills the material from Clariteq’s three, two-day workshops on process, data, and use cases & services.

\*\*\* Note: two-day in-person workshops are delivered virtually as three half-day sessions via Zoom.

Three-day in-person workshops are delivered virtually as five half-day sessions via Zoom.

*Thank you!*



Alec Sharp, West Vancouver, BC, Canada

If you have questions or comments...  
*don't be shy, get in touch!*

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