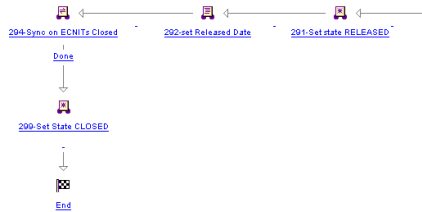
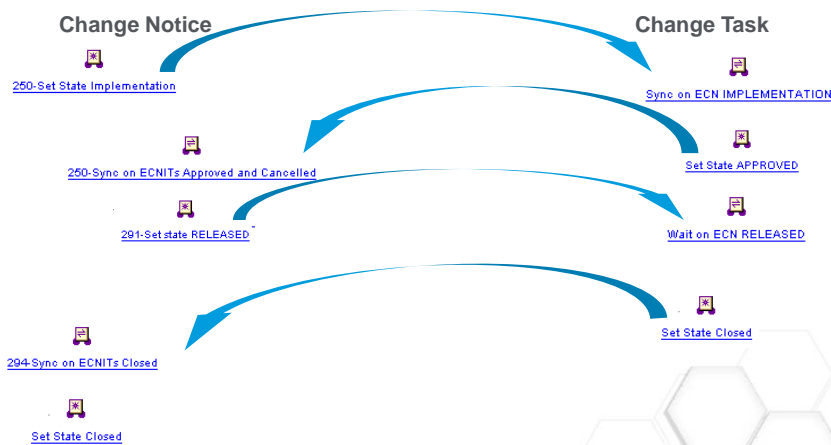


Characteristics of a monolithic workflow

- Associated with the first life cycle state
- Manage entire lifecycle
 - “Open” to “Closed”
- Use “Synchronization Robots” to coordinate the business process



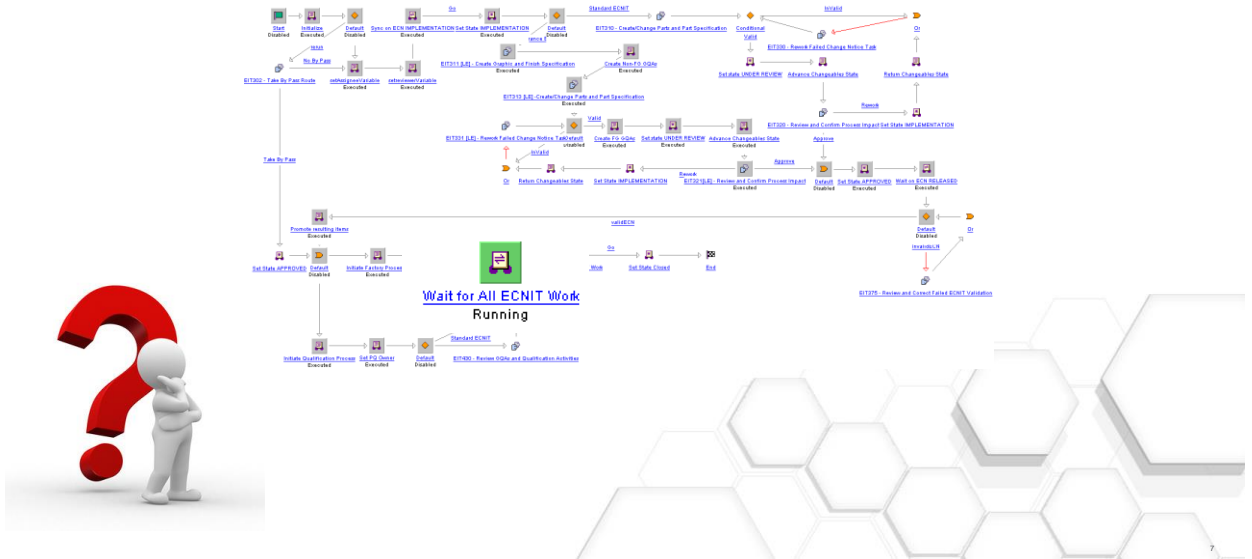
Example synchronization



What users say...

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“Hey, Can you help me figure out what’s going on here?”

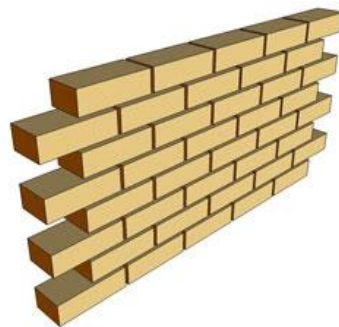


Challenges of monolithic workflows

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SRAM has found the monolithic approach leads to...

- **Confused users**
 - Reliance on PLM team
- **Rigid and inflexible**
 - Pre-defined state transitions
 - Users make mistakes
- **Stagnant business process**
 - Running workflows cannot effectively be updated
 - Multiple business processes in production
 - “Oh, that’s because you’re on the old workflow...”



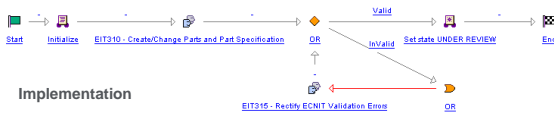
Characteristics of a state-based workflow

- Segment workflow activity by life cycle state
- Objects will have more than one workflow
- Coordinate the business process through state changes

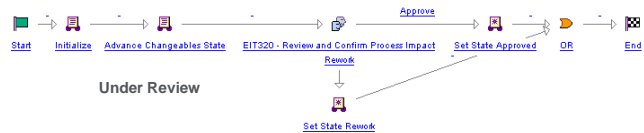


Segmented workflow approach

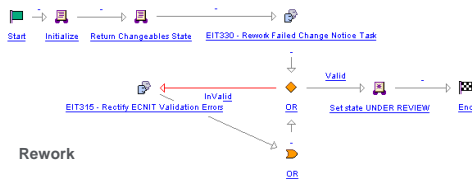
Each lifecycle state can have a workflow



Implementation



Under Review



Rework



Business process benefits

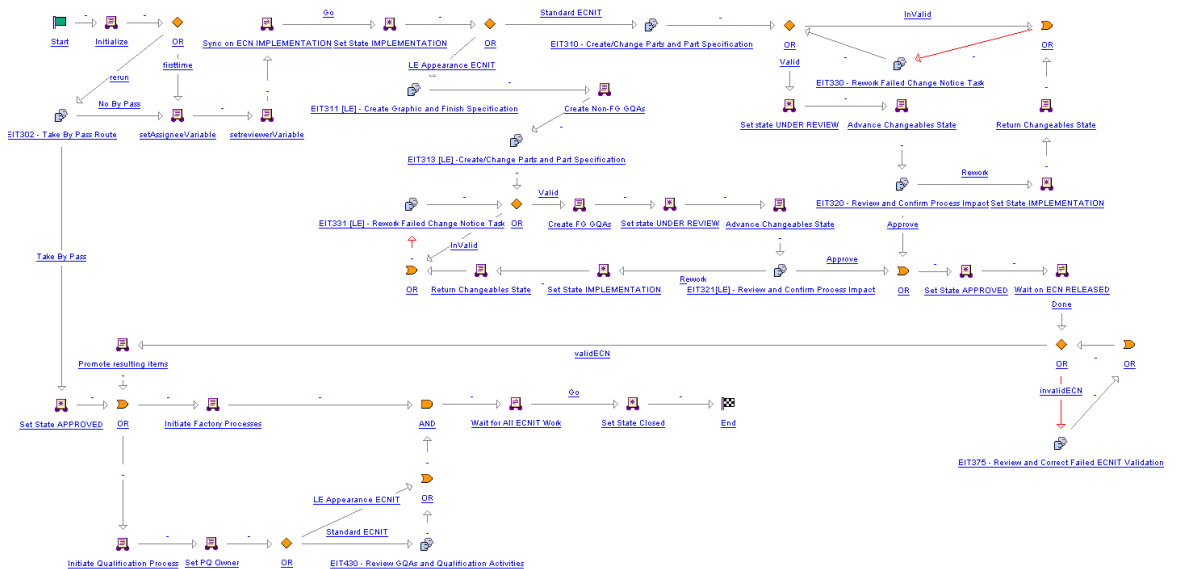
A Segmented workflow approach offers

- Workflow clarity
- Workflow cohesion
- Modular business process evolution strategy
- Administrative advantages



Clarity

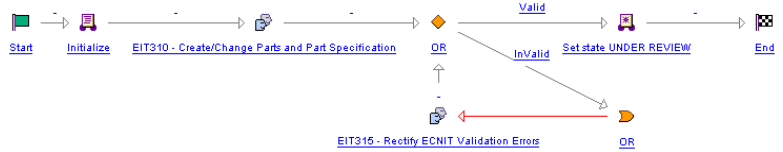
This does not provide clarity...



Benefits of segmented workflows

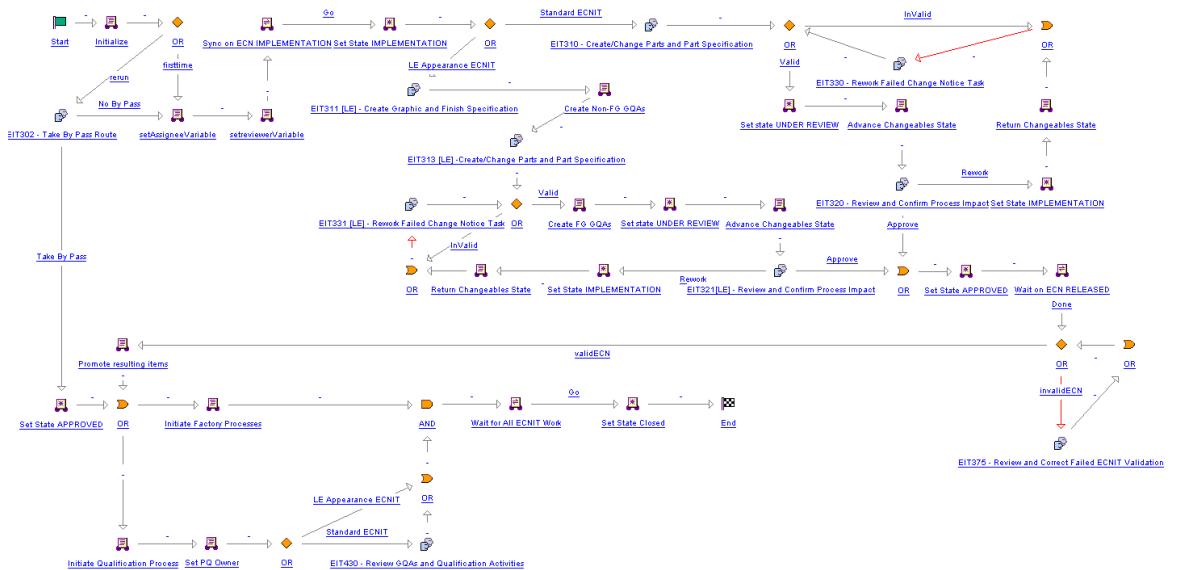
Workflow and process clarity

- Simplified workflows
- Intent is clear
- Branching is limited
- Easily understood by workflow participants



Cohesion

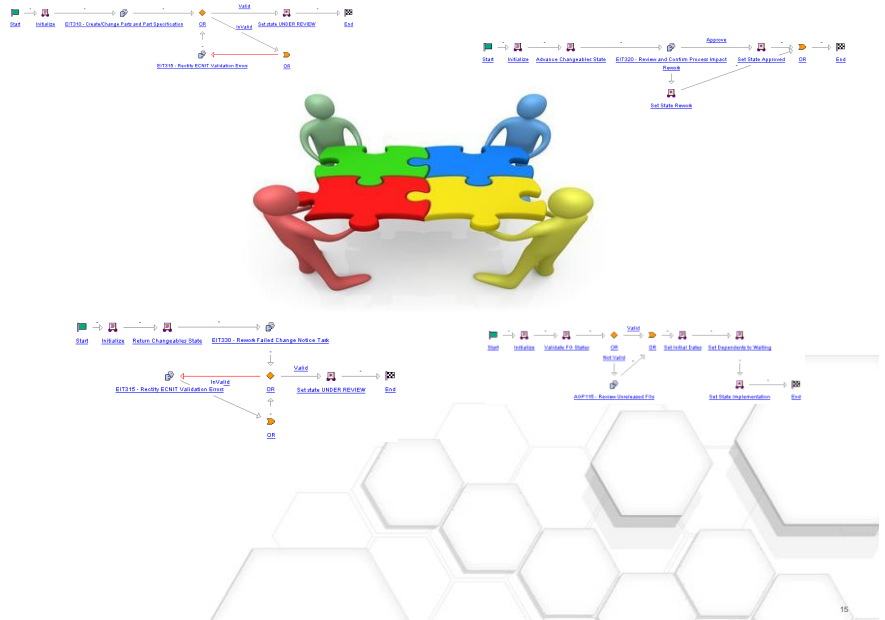
This is not cohesive...



Benefits of segmented workflows

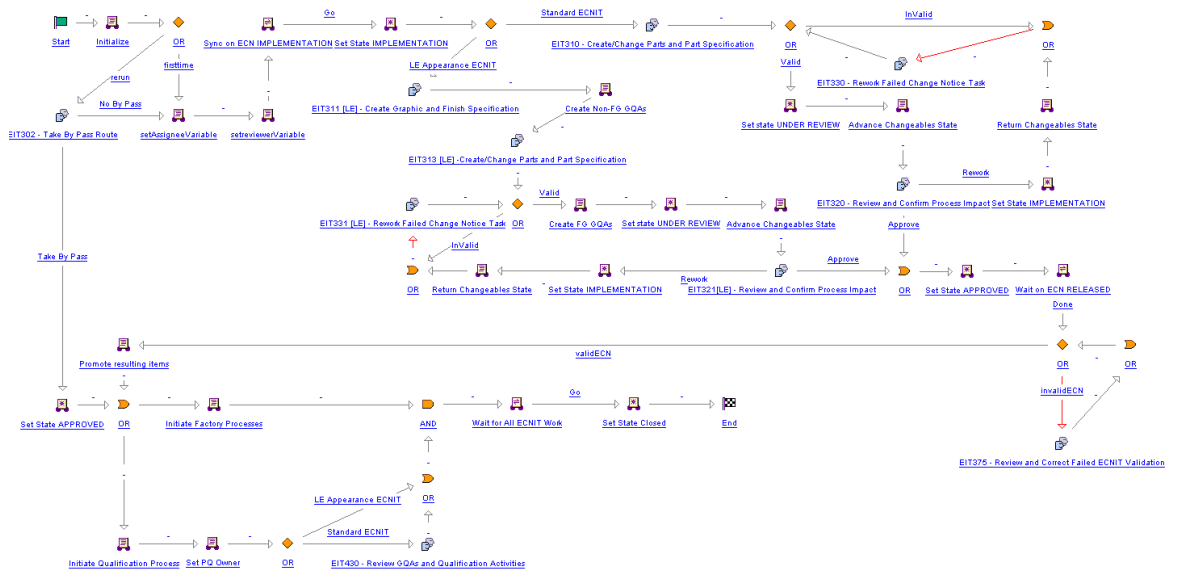
Workflow Cohesion

- Focused workflows
- Limited Scope
- Typically limited to one functional group
- Enforce purity of process



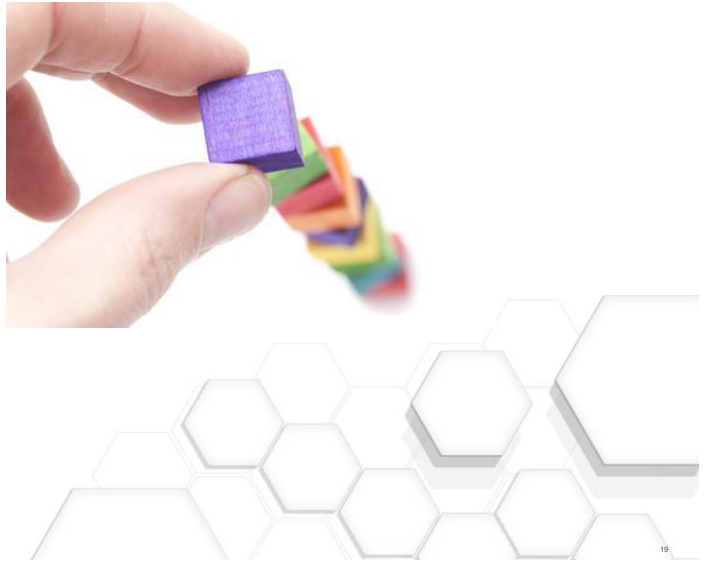
Business process evolution

This is difficult to evolve...



Administration – Workflow changes

- Less impact to long running process
 - Pieces of the whole
- Less disruptive
 - Only affects process running at a given state
- Keep your running process current
 - Incorporate changes by state



Administration – System upgrades

- Minimize impact of technology changes
 - HTML templates...
 - Task Form Templates...
 - Work Item Details...
- Easier to test
- Less disruptive

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML
2 <html>
3   <head>
4     <title>Example</title>
5     <link href="screen.css" rel="sty
6   </head>
7   <body>
8     <h1>
9       <a href="/">Header</a>
10    </h1>
11    <ul id="nav">
12      <li>
13        <a href="one/">One</a>
14      </li>
15      <li>
16        <a href="two/">Two</a>
17      </li>
```



Administration – User Support

- **Users make mistakes**
 - “Oops, I clicked complete task...”
- **Less complex to “fix” the workflow**
 - Change state
 - Restart workflows
- **Supports resolution of process gaps**
 - Long running business process



History and implementation details

- **Segmented workflow in production**
 - Introduced more than 3 years ago
 - First in Windchill 9.1
 - Now in Windchill 10.2
- **Several implementations**
 - Part qualification process
 - Part readiness processes
 - Part information (non-engineering) process
- **Proven evolution capability**
 - Existing objects, new states with workflow
- **Proven administration advantages**
- **Recently implemented Change Notice and Change Activity**



Segmented workflow approach...

- **Excellent choice for**
 - Long running business processes
 - Complex business processes
- **Offers business process advantages**
 - More clarity
 - Better cohesion
 - More evolution options for your business processes
- **Offers administrative advantages**
 - Workflow upgrades
 - System upgrades
 - User support



- Your feedback is valuable
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- Gain a chance to win an instant prize!
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