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Long Term Vision for Thomson Reuters

Optimizing Workflows for Professionals

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TDWI (The Data Warehousing Institute)



THOMSON REUTERS

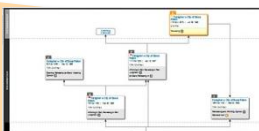
Long-Term Vision for Thomson Reuters

TR is singularly placed to re-imagine and optimize how professionals do their work

Thomson Reuters is in the very unique position of having content with tools and communications on our platforms, along with an understanding of customer workflow. Thomson Reuters is the only company that can revolutionize current professional workflow practices by optimizing the process, a service which would be extremely valuable to our customers.

Communication & Communities

Westlaw Citation History



Workflow

FindLaw

Contact Network

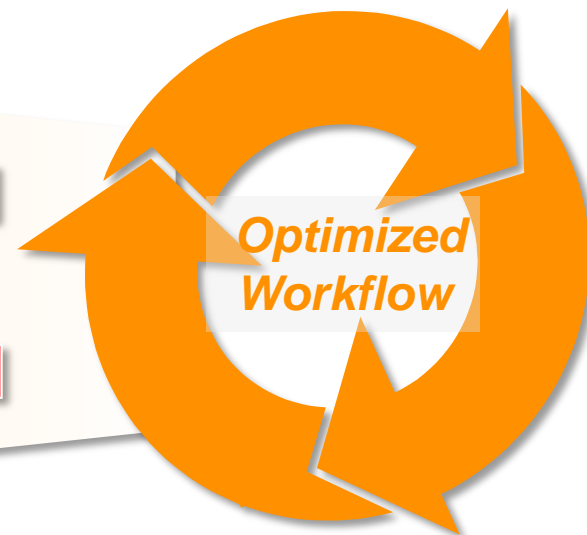
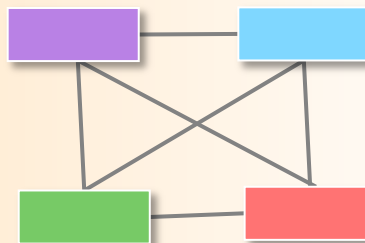


Financial

Risk

Legal

Tax & Accounting



Based on predictive analytics

Content with Tools

Current

Current services are refined, but limited to verticals where communications are not necessarily tied into main content platform

Vertical Workflows

Considerable effort being put into vertical solutions that keep key vertical content and communications on one platform

Cross-Vertical Workflows

The next step will be to seamlessly cross-verticals to complete a task / workflow

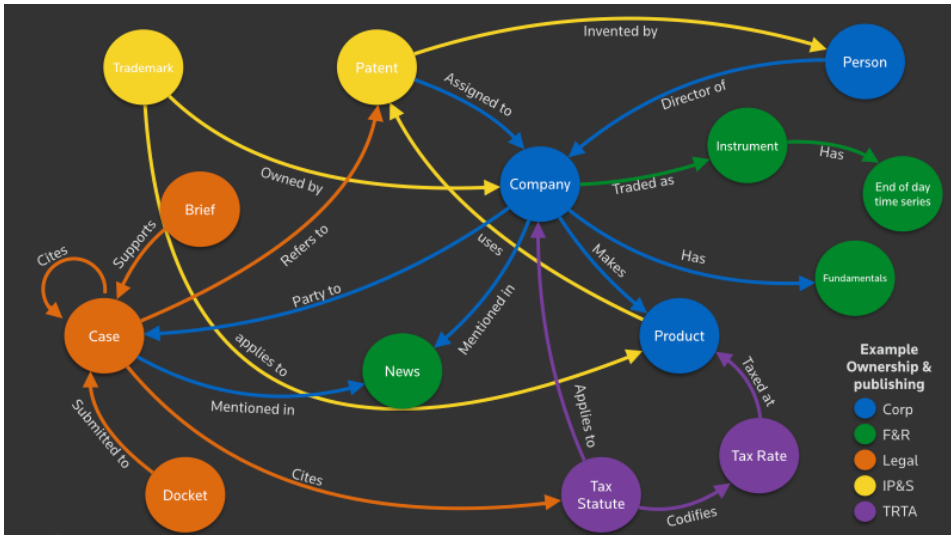
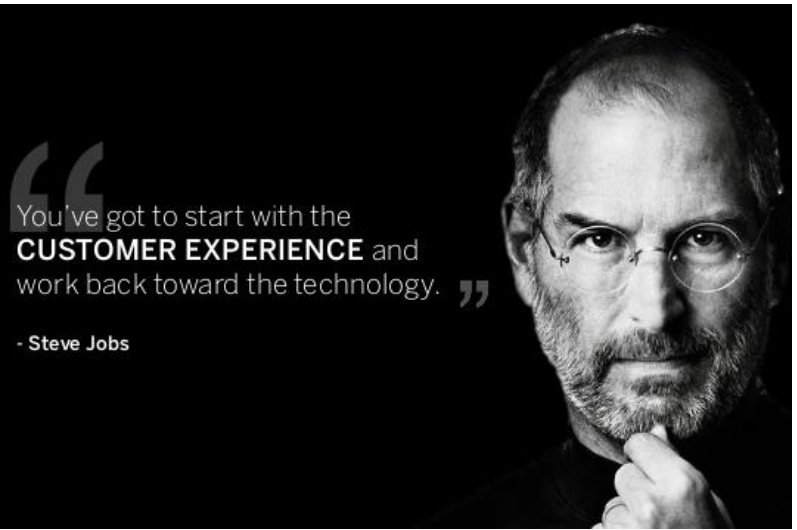
Optimized Workflows

Even prior to full cross-vertical integration, TR can analyze communications and content usage to optimize workflows

Questions Answered through Optimization

With visibility into a whole workflow, Thomson Reuters will be able to use predictive analytics to answer key questions about the workflow which will provide insight into making it more efficient for our customers.

- What are the (inferred) job roles of our customers? (Personas)
- How do they collaborate?
- How can we make them more efficient in their workflow?
 - What are the 80% generic everyday tasks? (to simplify and optimize)
 - What are the 20% of tasks that are custom? (to personalize)



The Thomson Reuters knowledge graph

Test User Interface for the Mergers & Acquisitions transaction



WORKFLOW: A NEW MODEL

- Graphical
- XML workflow
- Interactive
- Collaborative

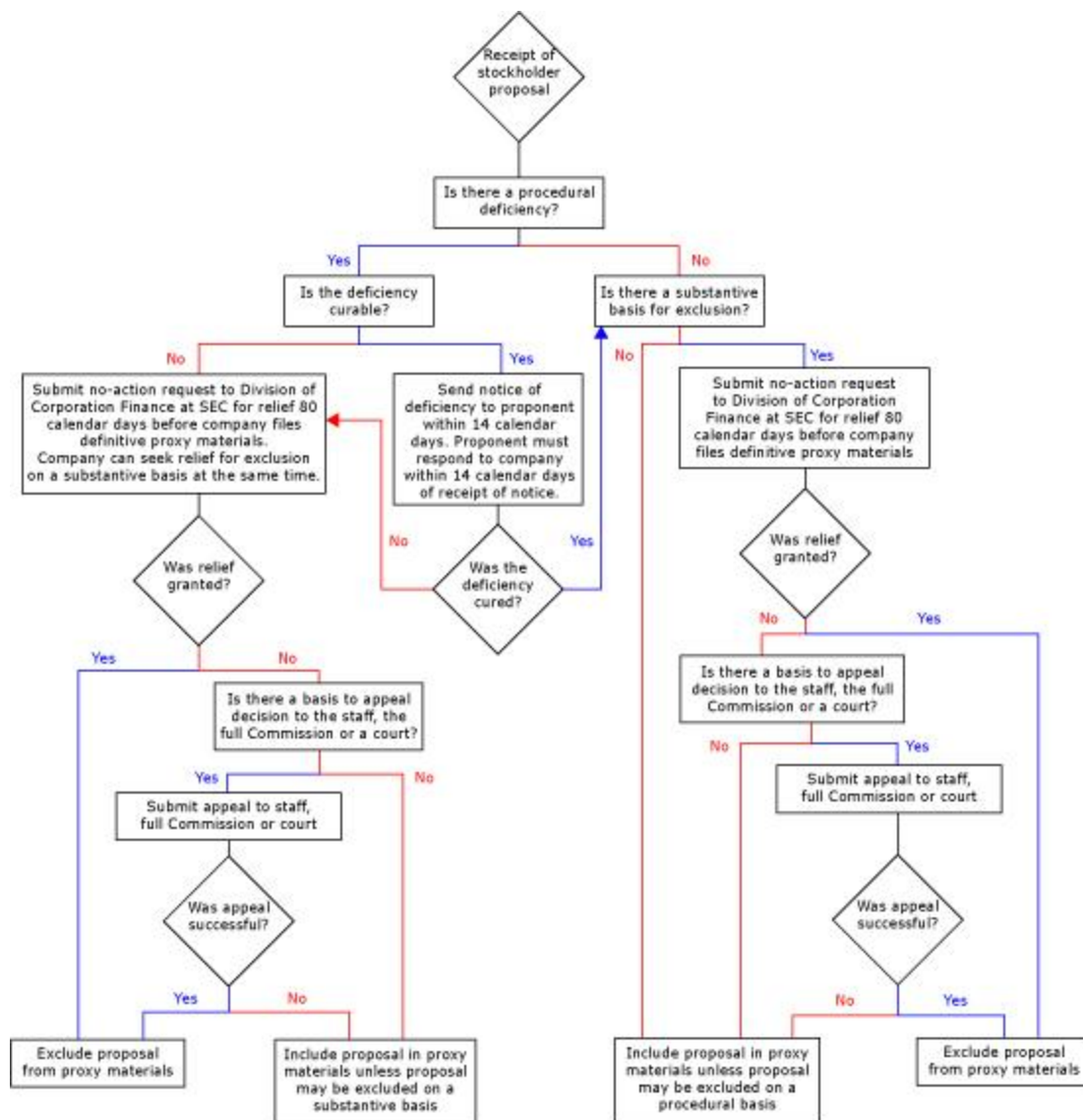


A GRAPHICAL UI THAT MANAGES DIFFERENT STAGES OF A TRANSACTION AND PROMOTES COLLABORATION BETWEEN PROFESSIONALS

Example of Decision Tree (SEC Filings)

A flowchart providing a structural overview of the Rule 14a-8 shareholder proposal process.

This Chart outlines the process by which a company can seek SEC staff no-action relief to avoid including a shareholder proposal in its proxy materials.



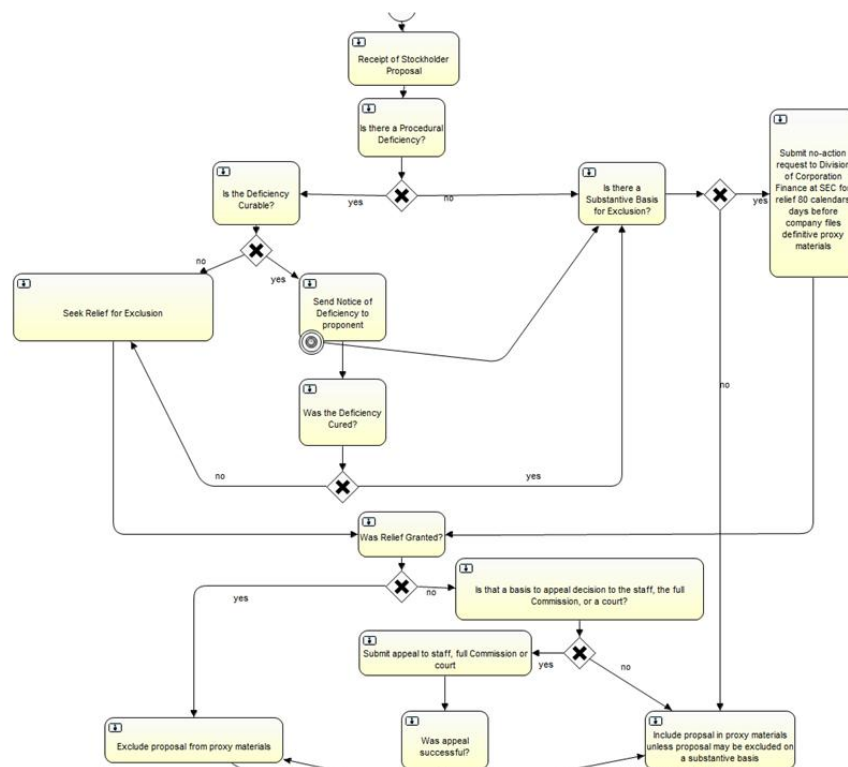
Step 1: Business analysis

GETTING STARTED

Set-up

Explanatory note - as part of some initial set-up questions, the lawyer or other person acting as an administrator or project manager would input/select some company-specific information, such as the stock exchange(s) on which the company is listed. That would provide a customized approach for the form check and governance questions that will be part of the overall process. An initial roll-out would only address US listings/rules, but a future version could potentially address some of the most common US and non-US cross-border listings (i.e., London Stock Exchange, Toronto Stock Exchange) to capture requirements on a consolidated basis.

- Company/meeting information
 - Company name/symbol (look-up tool)
 - Stock exchange listings (look-up tool)
 - AGM date (calendar tool)
- Working group
 - Different levels of authorization
 - Administrator/process owner
 - Permission other individuals involved in the process
 - Legal
 - Human Resources
 - Board Secretary
 - Outside counsel
 - Assistants
 - Other
 - Registrar/transfer agent
 - Indicate name (text box)
 - Intermediary
 - Indicate name (text box)



Step 2: Machine readable XML

```
<?xml version="1.0" encoding="UTF-8"?>
<definitions xmlns="http://www.omg.org/spec/BPMN/20100524/MODEL" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:x
<process id="Stock" name="Stock" isExecutable="true">
  <startEvent id="startevent1" name="Start" activiti:initiator="initiator"></startEvent>
  <userTask id="usertask1" name="Receipt of Stockholder Proposal" activiti:assignee="${initiator}"></userTask>
  <sequenceFlow id="flow1" sourceRef="startevent1" targetRef="usertask1"></sequenceFlow>
  <userTask id="usertask2" name="Is there a Procedural Deficiency?" activiti:assignee="${initiator}">
    <extensionElements>
      <activiti:formProperty id="bool" name="Yes or No" type="enum" required="true">
        <activiti:value id="true" name="Yes"></activiti:value>
        <activiti:value id="false" name="No"></activiti:value>
      </activiti:formProperty>
    </extensionElements>
  </userTask>
  <sequenceFlow id="flow2" sourceRef="usertask1" targetRef="usertask2"></sequenceFlow>
  <exclusiveGateway id="exclusivegateway1" name="Exclusive Gateway"></exclusiveGateway>
  <sequenceFlow id="flow3" sourceRef="usertask2" targetRef="exclusivegateway1"></sequenceFlow>
  <userTask id="usertask3" name="Is the Deficiency Curable?" activiti:assignee="${initiator}">
    <extensionElements>
      <activiti:formProperty id="bool" name="Yes or No" type="enum" required="true">
        <activiti:value id="true" name="Yes"></activiti:value>
        <activiti:value id="false" name="No"></activiti:value>
      </activiti:formProperty>
    </extensionElements>
  </userTask>
  <sequenceFlow id="flow4" name="yes" sourceRef="exclusivegateway1" targetRef="usertask3">
    <documentation>yes</documentation>
    <conditionExpression xsi:type="tFormalExpression"><![CDATA[${bool} == "true"]></conditionExpression>
  </sequenceFlow>
  <userTask id="usertask4" name="Is there a Substantive Basis for Exclusion?" activiti:assignee="${initiator}">
    <extensionElements>
      <activiti:formProperty id="bool" name="Yes or No" type="enum" required="true">
        <activiti:value id="true" name="Yes"></activiti:value>
        <activiti:value id="false" name="No"></activiti:value>
      </activiti:formProperty>
    </extensionElements>
  </userTask>
  <sequenceFlow id="flow5" name="no" sourceRef="exclusivegateway1" targetRef="usertask4">
    <conditionExpression xsi:type="tFormalExpression"><![CDATA[${bool} == "false"]></conditionExpression>
  </sequenceFlow>
  <exclusiveGateway id="exclusivegateway2" name="Exclusive Gateway"></exclusiveGateway>
  <sequenceFlow id="flow6" sourceRef="usertask3" targetRef="exclusivegateway2"></sequenceFlow>
  <userTask id="usertask5" name="Seek Relief for Exclusion" activiti:assignee="${initiator}"></userTask>
  <sequenceFlow id="flow7" name="no" sourceRef="exclusivegateway2" targetRef="usertask5">
    <conditionExpression xsi:type="tFormalExpression"><![CDATA[${bool} == "false"]></conditionExpression>
  </sequenceFlow>
  <userTask id="usertask6" name="Send Notice of Deficiency to proponent" activiti:assignee="${initiator}"></userTask>
  <sequenceFlow id="flow8" name="yes" sourceRef="exclusivegateway2" targetRef="usertask6">
    <conditionExpression xsi:type="tFormalExpression"><![CDATA[${bool} == "true"]></conditionExpression>
  </sequenceFlow>
  <userTask id="usertask7" name="Was Relief Granted?" activiti:assignee="${initiator}">
    <extensionElements>
      <activiti:formProperty id="bool" name="Yes or No" type="enum" required="true">
        <activiti:value id="true" name="Yes"></activiti:value>
        <activiti:value id="false" name="No"></activiti:value>
      </activiti:formProperty>
    </extensionElements>
  </userTask>
</process>
```

Process Instance [id=560776fe-b6d0-11e4-ba71-005056bf5d51]

Process Definition Id myProcess

Business Key

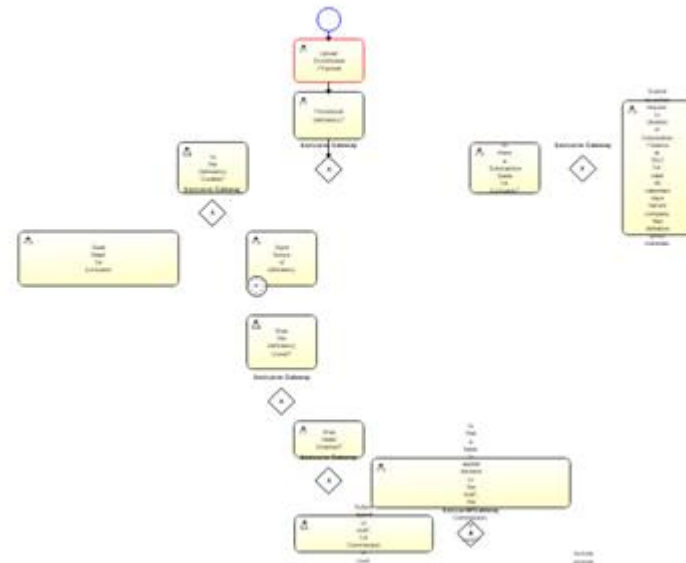
Process Variables

```
{
  "initiator" : "10ace19660000013520b82e3152645317"
}
```

Involved Entities [Add Entry](#)

Type	Entity Id
starter	<input checked="" type="checkbox"/> 10ace19660000013520b82e3152645317

Model



Step 3: Final User experience

Shareholder Proposal Analyzer

Background Analysis Exclusion Resolution

Eligibility And Procedural Analysis

Other Procedural Requirements

What's the length of the shareholder proposal submitted?

500 Words or Less More Than 500 Words

<< Back Home Next >>

Related Documents

Rulebooks

- [Exchange Act Rules – Rule 14a-8](#)

Practice Notes & Related Checklists

- [Practice Note: How to Handle Shareholder Proposals](#)
- [Rule 14a-8 Shareholder Proposal Process Flowchart](#)
- [Shareholder Proposal Log](#)
- [Deadlines for Rule 14a-8 Shareholder Proposals: Chart](#)
- [Practice Note: Proxy Statements](#)
- [Handling ISS Proxy Voting Recommendations](#)

Toolkits

- [Proxy Statement and Annual Meeting Toolkit](#)

Articles & Legal Updates

- [Legal Update: SEC Resolves No-action Requests on Proxy Access Proposals](#)
- [Article: Shareholder Activism: Rethinking the Approach](#)
- [Article: Lessons for the 2015 Proxy Season](#)

Transactional Workflow Architecture

