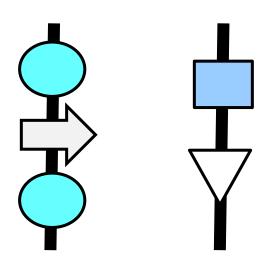


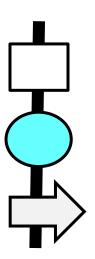
Flow Process Chart



Managing	Pros and Cons Deciding & Selecting Planning & Project Management*
Risk PDPC	Importance-Urgency Mapping RACI Matrix Stalkaholder Analysis
FMEA RAID Logs	Break-even Analysis Cost Benefit Analysis PEST PERT/CPM Activity Diagram
Fault Tree Analysis	Force Field Analysis SWOT SWOT
Risk Assessment* Deci	ision Tree Voting Pugh Matrix Roadmaps Project Charter Gantt Chart
	QFD Matrix Diagram TPN Analysis PDCA Control Planning Gap Analysis
Traffic Light Assessment	Kano Analysis Prioritization Matrix Hoshin Kanri Kaizen How-How Diagram
Lean Measures KP	
OEE Capability Inc	dices Identifying &
	Implementing
Wish Beschip	confidence Intervals Understanding Mistake Proofing Solutions***
Cost of Quality I	Probability Distributions ANOVA Cause & Effect Pull Systems JIT Ergonomics
Reliability Analysis Gr	raphical Analysis Hypothesis Testing Design of Experiments Work Balancing Automation
Understanding R	Run Charts Scatter Plot Correlation Regression Bottleneck Analysis Visual Management
Performance	5 Whys Multi-vari Charts Flow
Ranchmarking	Relationship Mapping*
San	npling Tishbone Diagram TRIZ*** Waste Analysis
Focus groups Interv	
Photography Check S	heets Nominal Group Technique Mind Mapping* IDEFO Value Stream Mapping SIPOC
Measles Charts Question	onnaires Affinity Diagram Attribute Analysis Flow Process Chart Process Mapping
Data Critical Incid	lent Technique Lateral Thinking Visioning Flowcharting Service Blueprints
Collection Obs	Servations Creating Ideas** Designing & Analyzing Processes

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- □ The Flow Process Chat is a symbolic representation that illustrates the sequence of actions within a process.
- □ It is commonly used when analyzing the steps in a process to help identify and eliminate waste.
- □ It records the steps of a process along a vertical line.
- ☐ It is used to show the steps of a process using symbols along with text.

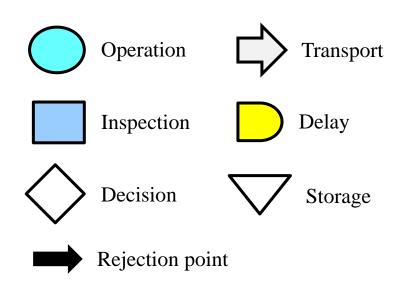




- □ A useful feature of the Flow Process Chart is that it can be drawn up as the process is happening.
- □ This will allow getting an accurate description of the process.
- By watching and recording, a person for example can follow a part, noting how and when it is produced, moved, checked and stored.
- □ This ensures that what actually happens gets recorded.
- □ Later when analyzing the process, some steps become obvious candidates for improvement, such as long delays and non value adding activities.

Common Symbols:

- Operation: Produce or process something.
- □ **Storage:** Storing materials or other items.
- □ **Transport:** Movement of people, materials or other items.
- **Delay:** Idle time of people, material or machinery.
- **Inspection:** Checking of items to ensure correct quality or quantity.

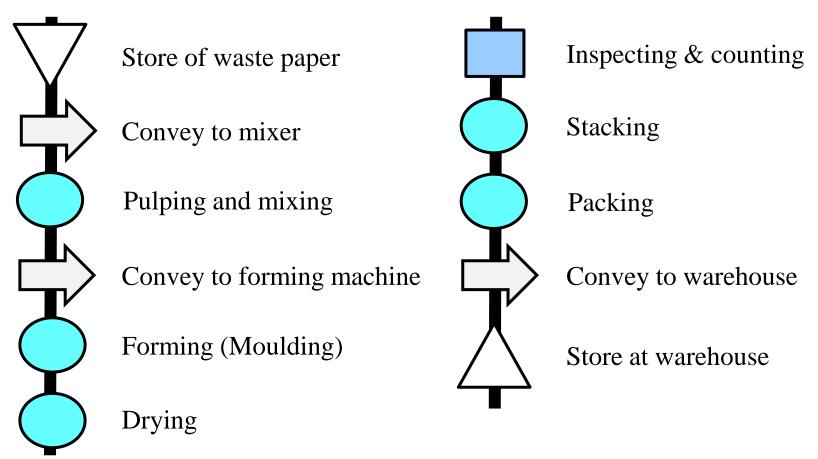




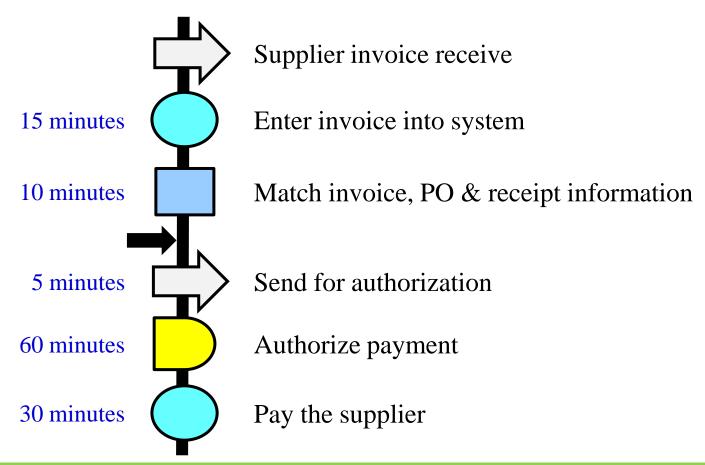
Three Types:

- □ A man-type chart which shows the actions of a person.
- □ A **material-type** chart which shows what happens to a product or item.
- □ An equipment-type chart which shows how a tool or other piece of equipment is used.

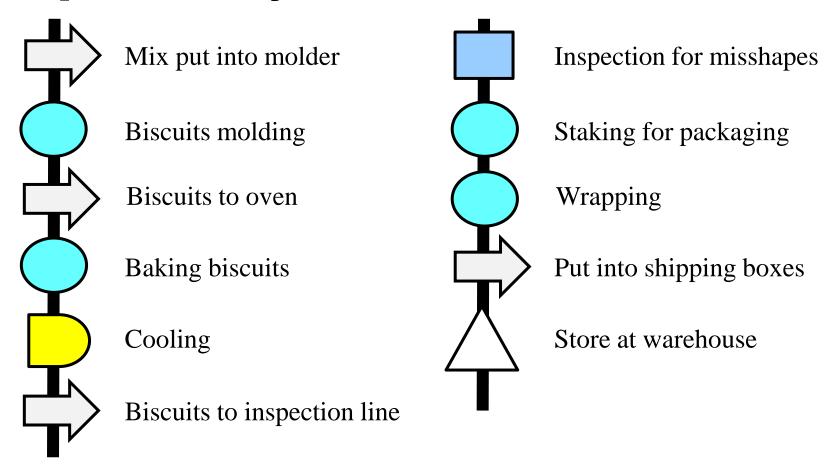
Example –Egg Trays Production:

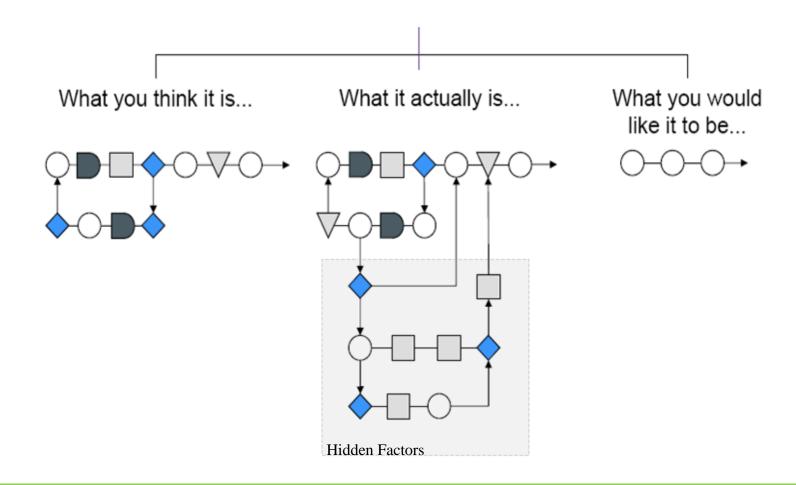


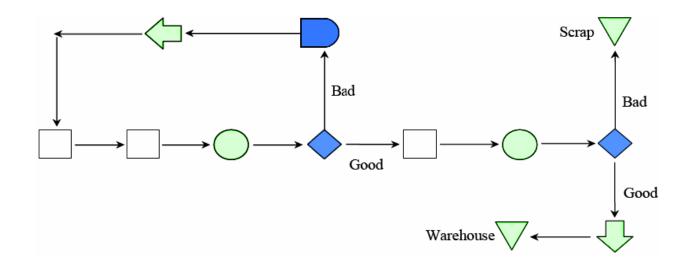
Example – Supplier Invoice Processing:



Example – How to Improve the Biscuit Production Process?







An outsider? Walk the process and understand it