



Gaumard[®]

Simulators for Health Care Education

Design and Implementation of an ERP System through SAP For Gaumard Scientific Simulators

Consultants:

Christine Tarud

Senyon Romero

Consuelo Cano

Elizabeth Naranjo

Executive Summary

Gaumard Scientific focuses on manufacturing simulators for Health Care Education. Over the past half century, Gaumard has dedicated its resources to the continued development of innovative teaching simulators in nursing care, emergency care and OB/GYN. This project will focus on the design and implementation on an ERP System of the simulators for healthcare education.

The purpose of implementing an ERP system is to improve the business process, by identifying our resources and constraints and designing a more effective process for the procurement of materials, production and sales.

Phase 1 of this project will focus on three processes of Gaumard Scientific's current operations, produce, procure and sell. The current business process will be modeled using Integrated Definition, and Object Modeling Technique.

Phase 2 of the project will focus on the "To be Model", adding three additional processes, operations planning, human resources and financial management. The new design will include SAP operations recommendations that will be implemented upon approval of Gaumard's administration. SAP is a software application designed to stream line manufacturing processes.



Table of Contents

Executive Summary.....	1
Table of Contents.....	2
1. Company Overview for SAP Integration	3
1.1 Gaumard’s History	3
1.2 Gaumard’s Vision	3
1.3 Company’s Strategy	4
1.4 Operation Mode.....	4
1.5 Product Lines.....	5
2. Business Processes and Assessment	6
2.1 AS IS System Model.....	6
2.1.1 Organizational Structure As-Is	1
2.1.2 Bill of Materials	1
2.1.3 IDEF0 Models As-Is	1
2.1.4 Object Model As-Is	7
2.1.5 Dynamic Models As-Is	8
2.2 To-Be System Models.....	14
2.2.1 Organizational Chart To-Be	15
2.2.2 To Be Organization Structure	16
2.2.3 IDEF0 System Model To-Be	17
2.2.4 Object Model To-Be	25
2.2.5 Dynamic Model To-Be.....	26
3. Business Implementation Overview	37
4. SAP Implementation	40
4.1 Business Implementation Plan.....	40
5 System Operations.....	57
5.1 Operations Planning.....	57
5.2 Human Resources Operations	63
5.3 Procurement Operations	65
5.3 Production Operations.....	70
5.4 Sales Operations	76
5.5 Financial Management Operations.....	82



1. Company Overview for SAP Integration

1.1 Gaumard's History

Gaumard Scientific traces its history to 1946 when its founder, a World War II trauma physician recognized how polymers used in reconstructive and battlefield surgery could be used to create simulators for health care education. The first product was a synthetic human skeleton. In 1949, Gaumard introduced a childbirth simulator, designed at the request of the international health community to improve clinical competence of village midwives in order to reduce maternal and infant mortality and morbidity.

Over the past half century, Gaumard has dedicated its resources to continued development of innovative teaching simulators in nursing care, emergency care and OB/GYN.

1.2 Gaumard's Vision

The philosophy of the founder is to design and manufacture innovation teaching simulators and sell them at an affordable price.



1.3 Company's Strategy

Gaumard Scientific is an innovator in the industry. They have a regional sales team and sales representatives nationwide that serve the United States and Overseas. The company is comprised of fifteen engineers with expertise in mechanical, biomedical, electrical engineering to meet overall design and production specifications. Gaumard Scientific has strong alliances in the health and educational industries.

Gaumard Scientific is undergoing rapid growth due to the high demand in the biomedical field to assist doctors, researches, medical students, therapists, and the educational industry overall. The company's technological advances include dynamic high fidelity models that simulate birthing, heart attacks, breathing blockage, trauma patients among many others.

Thus, Gaumard Scientific has the tools, the knowledge and competitive advantage to expand and continue to satisfy the needs of this very unique industry.

1.4 Operation Mode

Gaumard Scientific's operation mode is "made-to-stock". The company maintains a buffer inventory to ensure that are orders are fulfilled efficiently. Therefore, we will process in mind during the configuration of the "To-Be SAP Model".



1.5 Product Lines

Gaumard offers a wide variety for health care simulators consisting of high fidelity and low fidelity mannequins as well as task trainers. Listing detailed below:

Nursing:

▶[Advanced Patient Care](#) ▶[Adult Patient Care](#) ▶[Pediatric and Neonatal Care](#) ▶[Skills Trainers](#) ▶[Injection and Infusion Trainers](#)

OB/GYN:

▶[Childbirth Simulators](#) ▶[NOELLE® Birthing Simulators](#) ▶[Women's Health](#) ▶[Mens Health](#)

HIV and AIDS:

▶[HIV and AIDS](#)

Emergency:

▶[Advanced Emergency Care](#) ▶[Emergency Care](#) ▶[Multicode Simulators](#) ▶[Airway and CPR Trainers](#)

Learning Solutions:

▶[All books](#) ▶[All CDs](#) ▶[All DVDs](#) ▶[1 And 3 Cameras](#)

Value Packages:

▶[Maternal Health Care Training Package](#) ▶[Basic Training Package](#) ▶[Reproductive Health Educational Package for Health Care Profession Students](#) ▶[Maternal and Child Care Training Package](#)

Scope:

The scope of this project encompasses the design of an ERP System for Gaumard Scientific's manufacturing of simulators. The goal is to streamline existing processes for Operations Planning, Human Resources, Procurement, Production, Sales and Financial Management for a "made -to-stock" production model. Upon completion Gaumard will receive a design that will include SAP system implementation recommendations, followed by the actual implementation of the system upon approval of the management team.



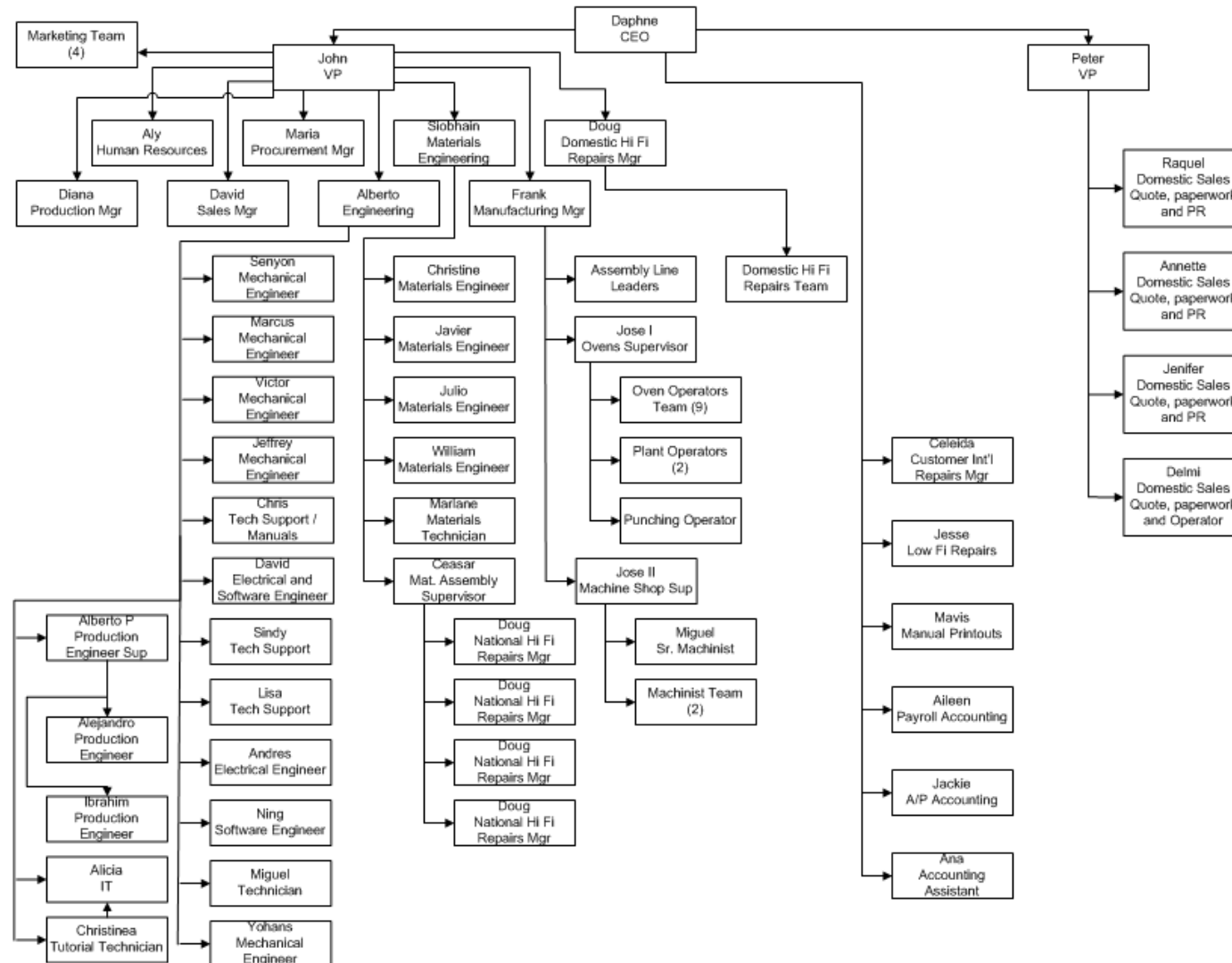
2. Business Processes and Assessment

2.1 AS IS System Model

For the As-Is Models for Gaumard Scientific we will present the Object Model, the Organizational Chart, the Dynamic Model, the Bill of Materials and Activity Model. This provides a simulation that represents the current situation as it is, without incorporating any changes or improvements, allowing a broad and clear view to analyze and study to apply lean manufacturing elements as well as effective and efficient management roles and cycles.



2.1.1 Organizational Structure As-Is



AS-IS ORGANIZATION MODEL



2.1.2 Bill of Materials

Bill of Materials for the Health Care Education Simulator

Smooth-On	
Product	Quantity
Silicones	
Soma Foama	1
Ecoflex 0030	2
Ecoflex 0010	2
Dragon Skin Medium 10	2
Mold Max 15 T	1
Ecoflex 0050	3
Dragon Skin 20	3
Brush- On 40	3
Dragon Skin 30	2
Mold Star 15	1
Urethanes	
Smooth Cast 305	3
Task 18	4
Pigments	
Fuse FX Medium S-302	5
Fuse FX Tan Skin S-308	5
Fuse FX Warm Rosy Skin S-306	5
Fuse FX Light Skin S-301	5
Fuse FX Rosy Skin S-305	5
Silc Pig Blood	5
Silc Pig Fleshtone	5
Silc Pig Blue	5
Silc Pig White	5
Silc Pig Red	5
Silc Pig Brown	5
Silc Pig Yellow	5
Silc Pig Black	5
Accessories	
Sil-Poxy	3
Ease Release 200	3
Plat Cat	3
Silicone Thinner	3
Silicone Thixotropic Agent (Thi Vex II)	3
Slo Jo	3

BJB Enterprises	
Product	Quantity
TC 5101	2
TC 5005 C	2

McMaster-Carr	
Product	Quantity
Tongue Depressors	2
BC 8165 Urethane Casting	2
Umbilical Cord Containers	3
M712 Luer Lock Manual Syringe /10 bag 50 cc	3
Paint Stirrers	3

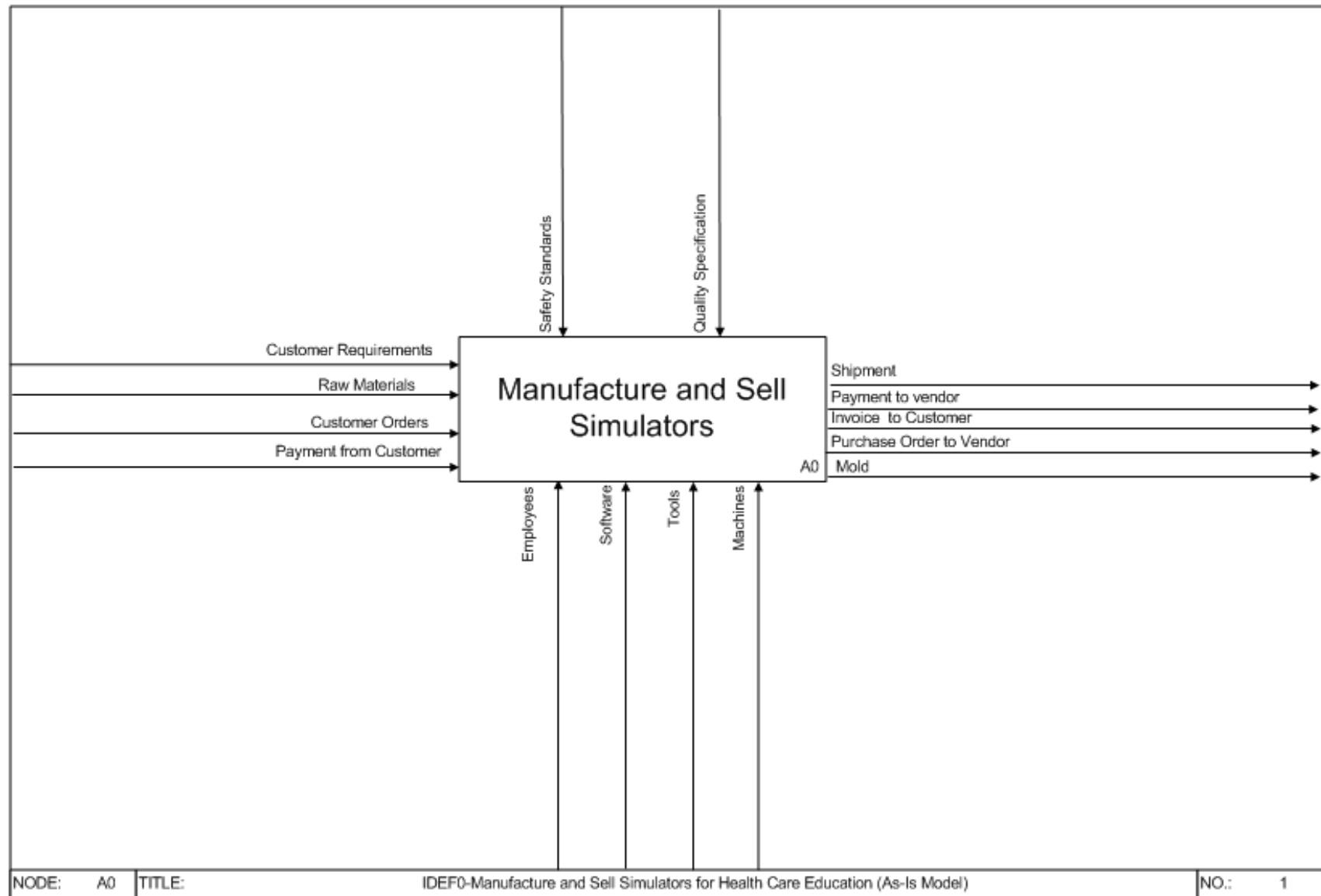
Hardware World	
Product	Quantity
1/2 pint	4
1 quart (32 oz)	3
2 1/2 quartz (2365 mL)	2
5 quartz (4730 mL)	5

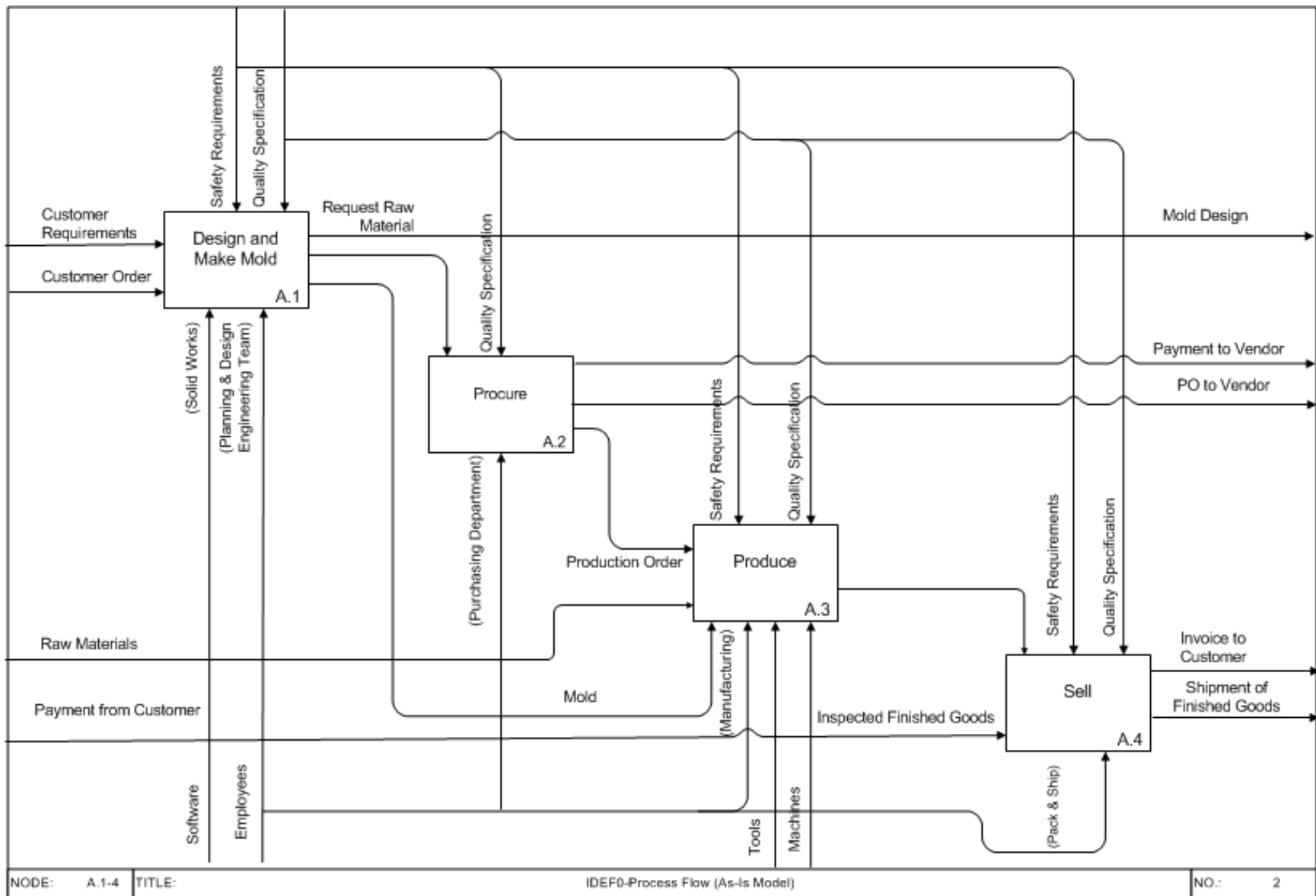
Ashby Cross	
Product	Quantity
400mL Dual Cartridge Containers	4
Static Mixers	20

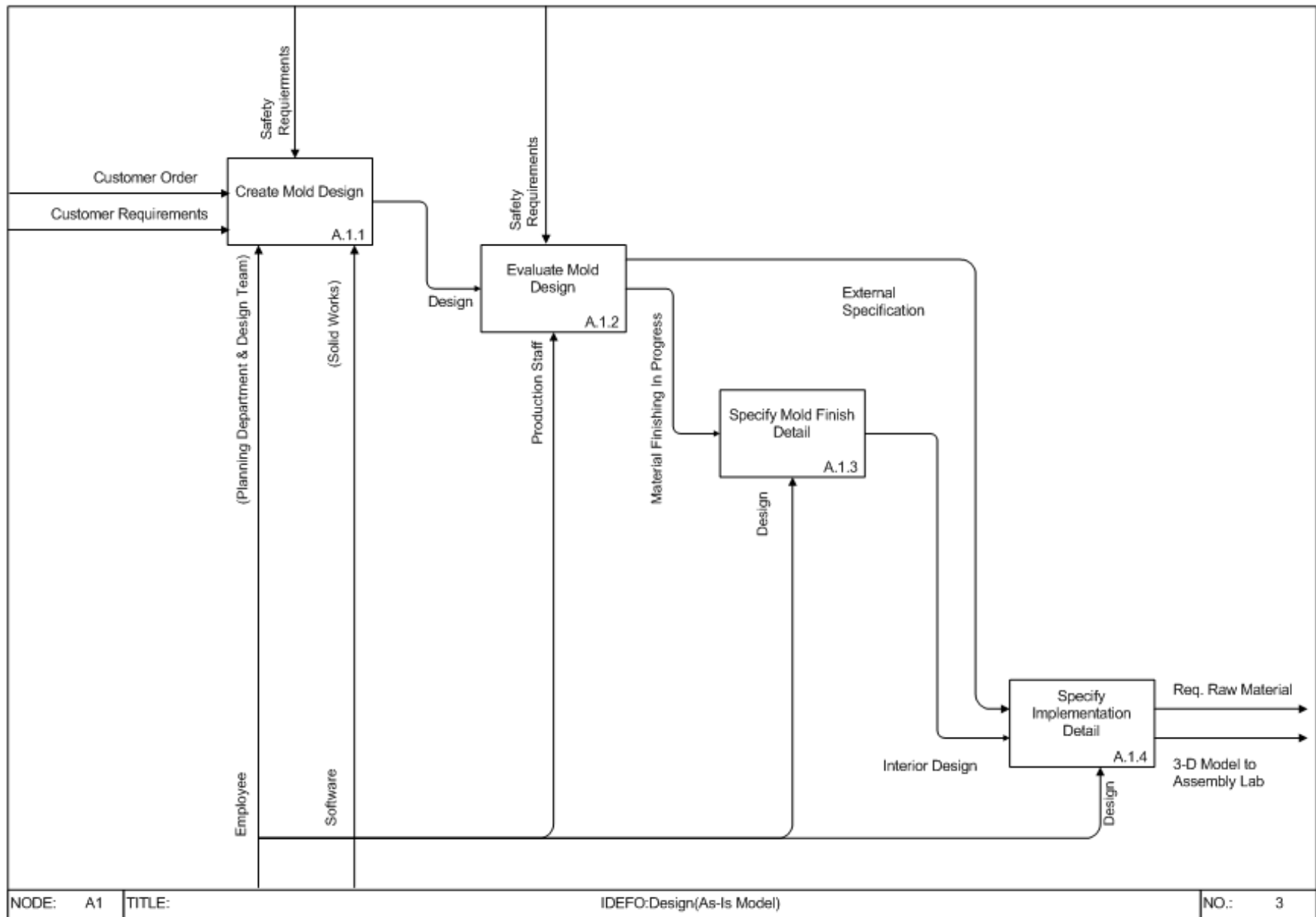
SilPak	
Product	Quantity
Sil-Pack F-100	3

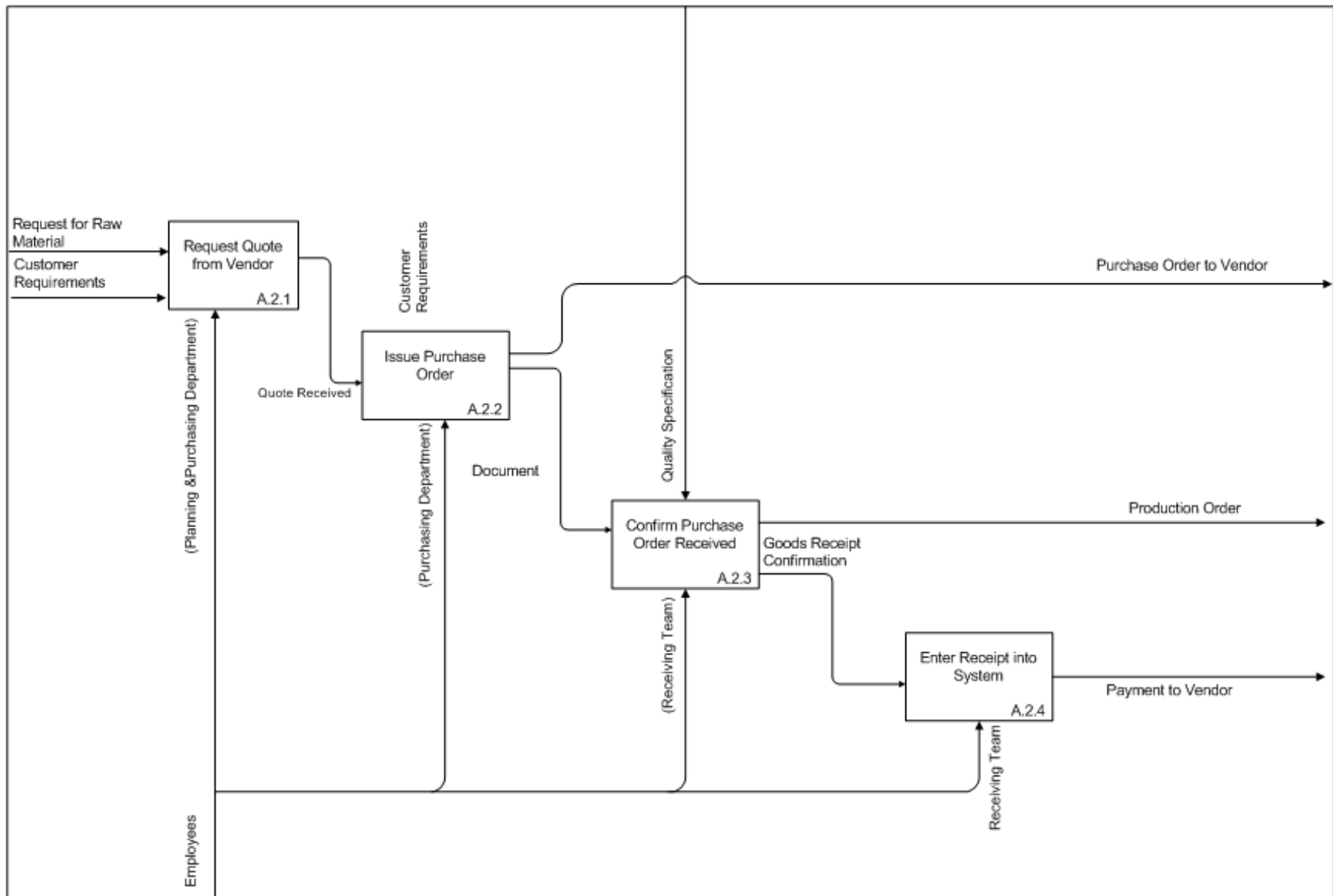


2.1.3 IDEF0 Models As-Is



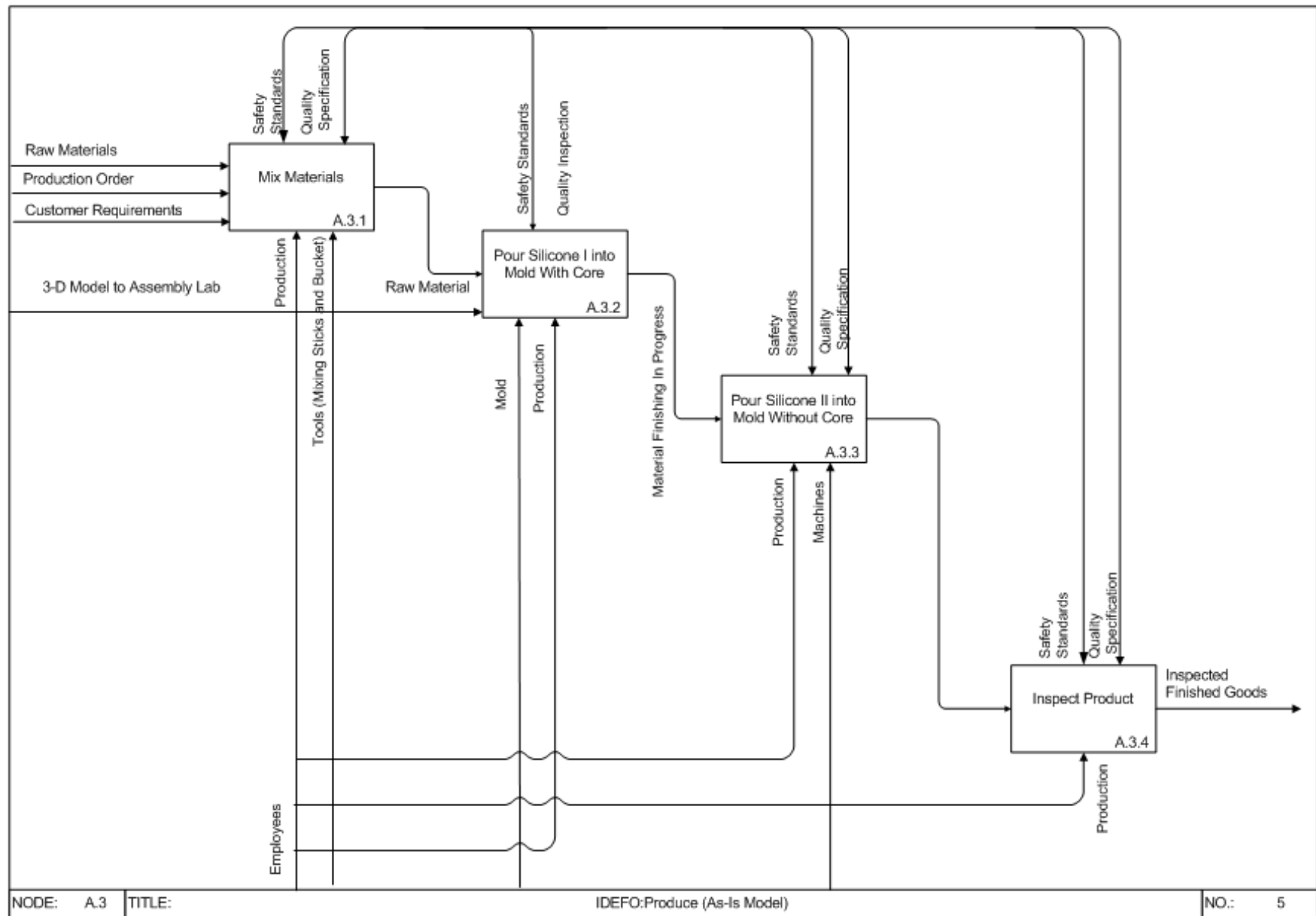


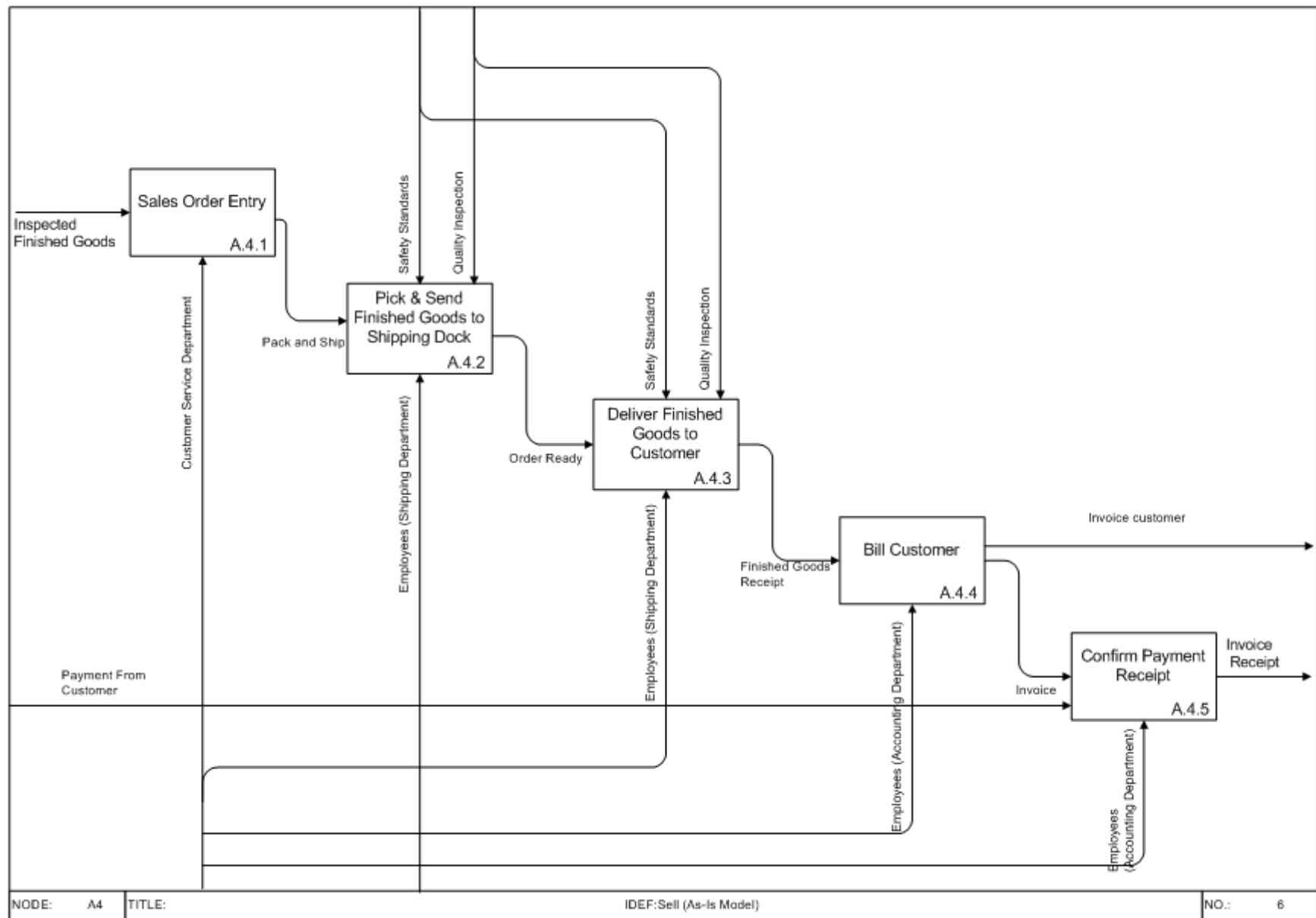




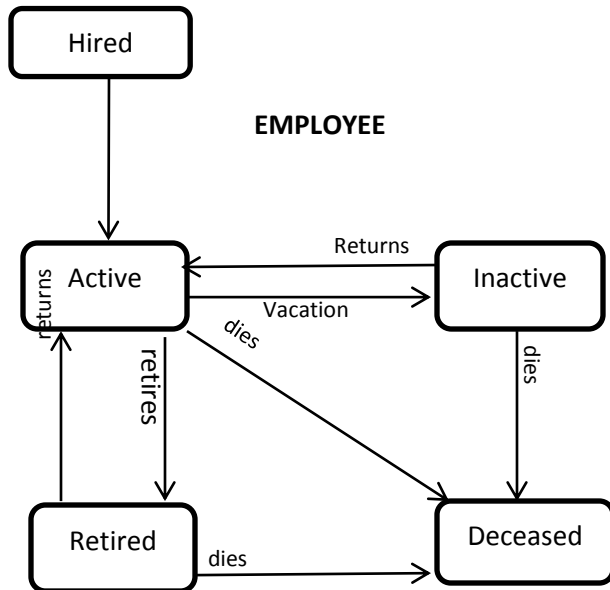
NODE: A.2 TITLE: IDEF0: Procure (As-Is Model) NO.: 4





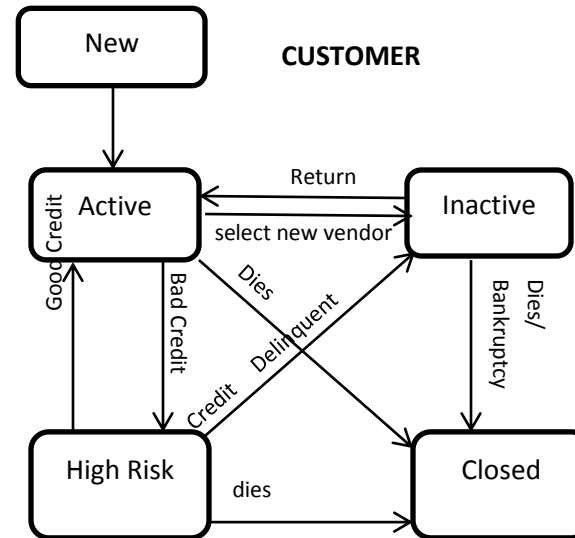


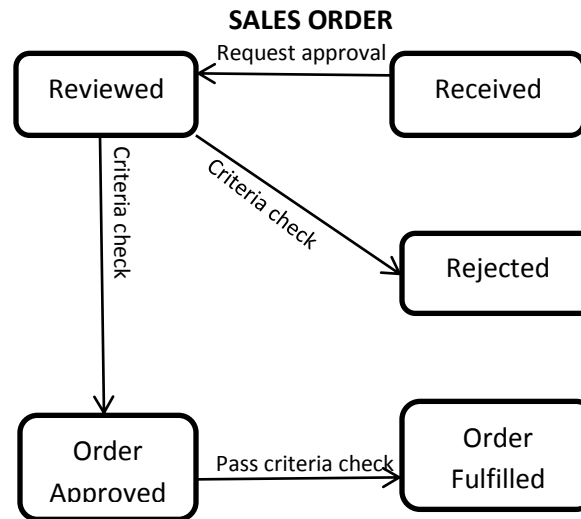
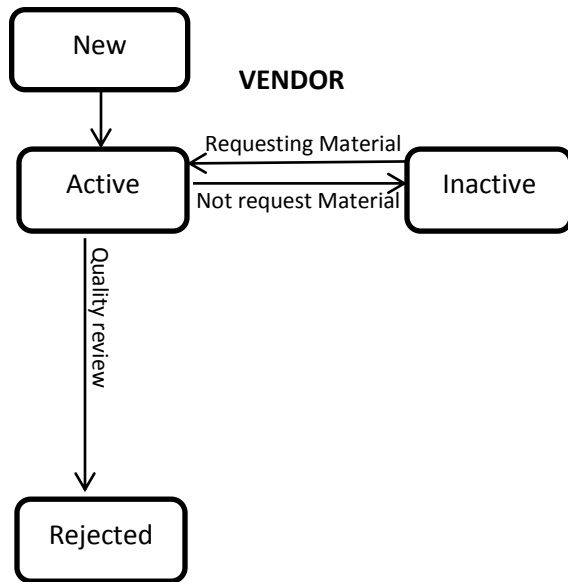
2.1.5 Dynamic Models As-Is



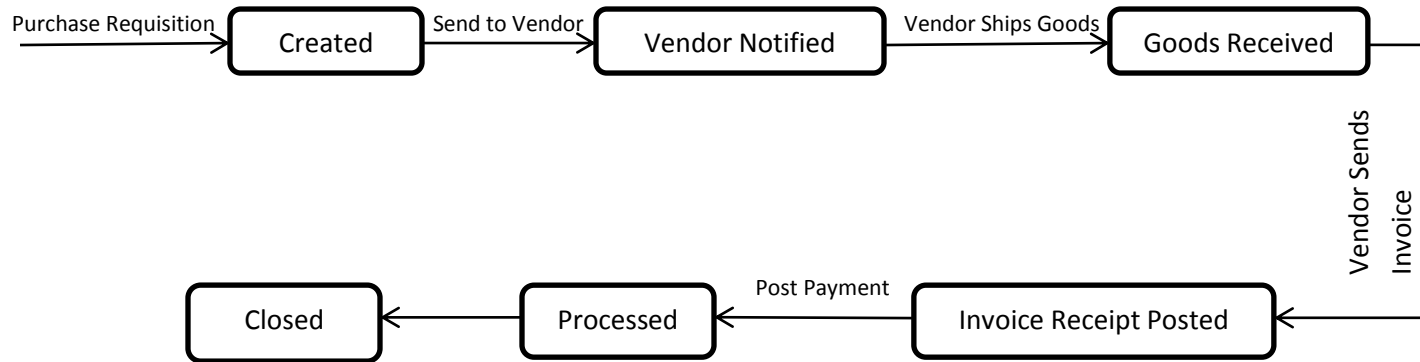
Dynamic Model

(As-Is)

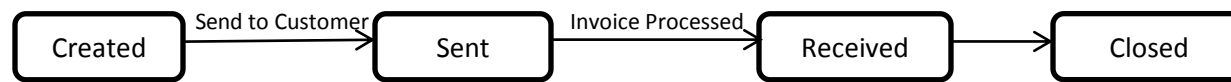




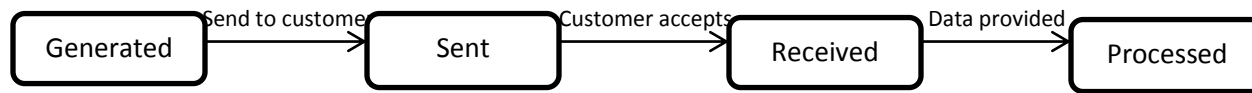
PURCHASE ORDER



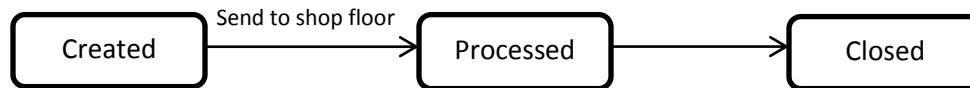
INVOICE TO CUSTOMER



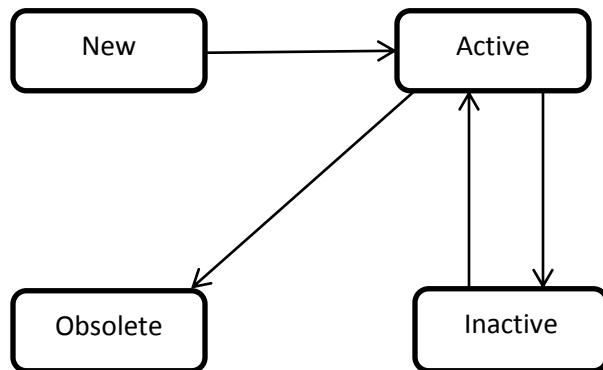
QUOTATION FOR CUSTOMER



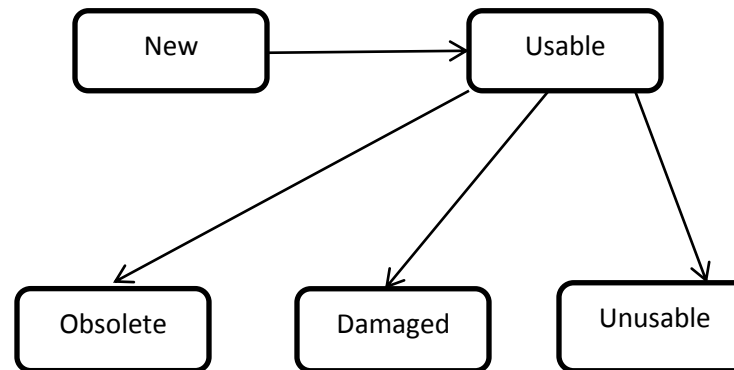
PRODUCTION ORDER



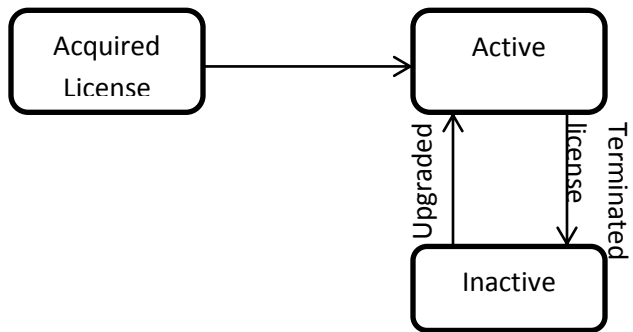
MACHINE



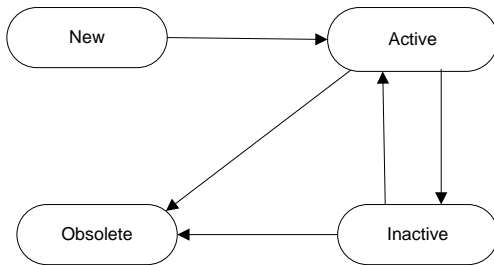
TOOLS



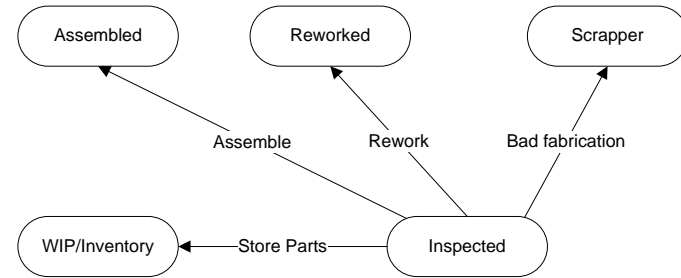
SOFTWARE



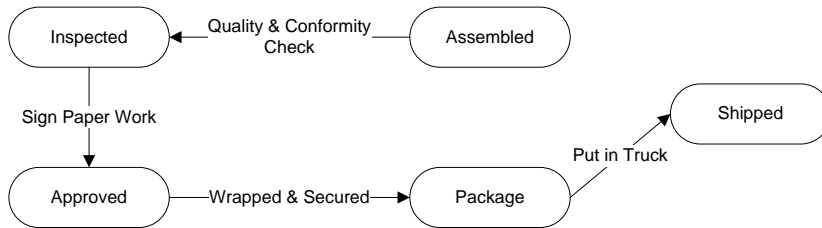
RAW MATERIALS



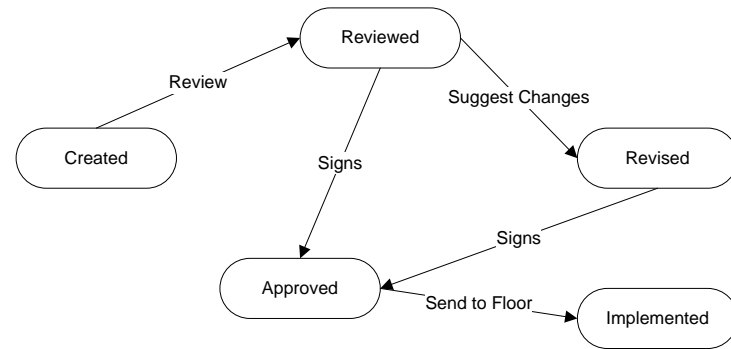
PRODUCT



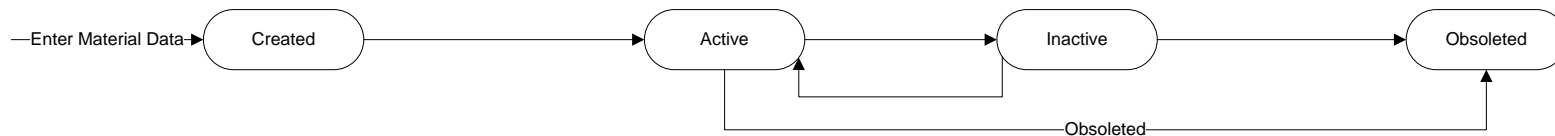
SHIPMENT



MOLD DESIGN



BOM

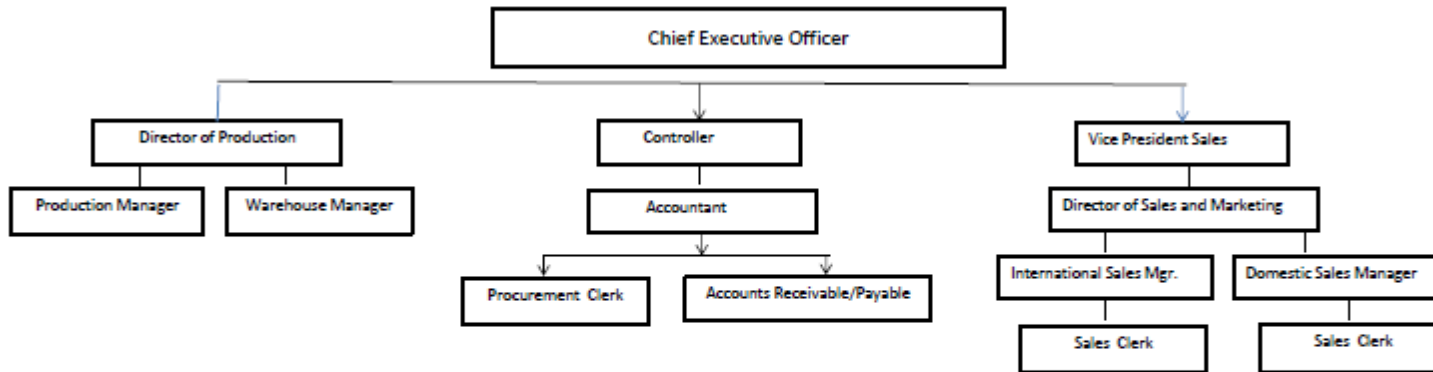


2.2 To-Be System Models

Once Models for the As-Is views has been established and analyzed, we can proceed with molding and setting the To-Be System Models that will provide a more efficient and effective enterprise structure. One important aspect for the To-Be system modeling is that the molds and creative effort utilized and applied in the process will solely be considered within the range of engineering tooling for mass production of the training breast and the baby skin and is out of scope; therefore, it will not be included in the To-Be Models. The following flowchart represents the desired SAP enterprise structure.

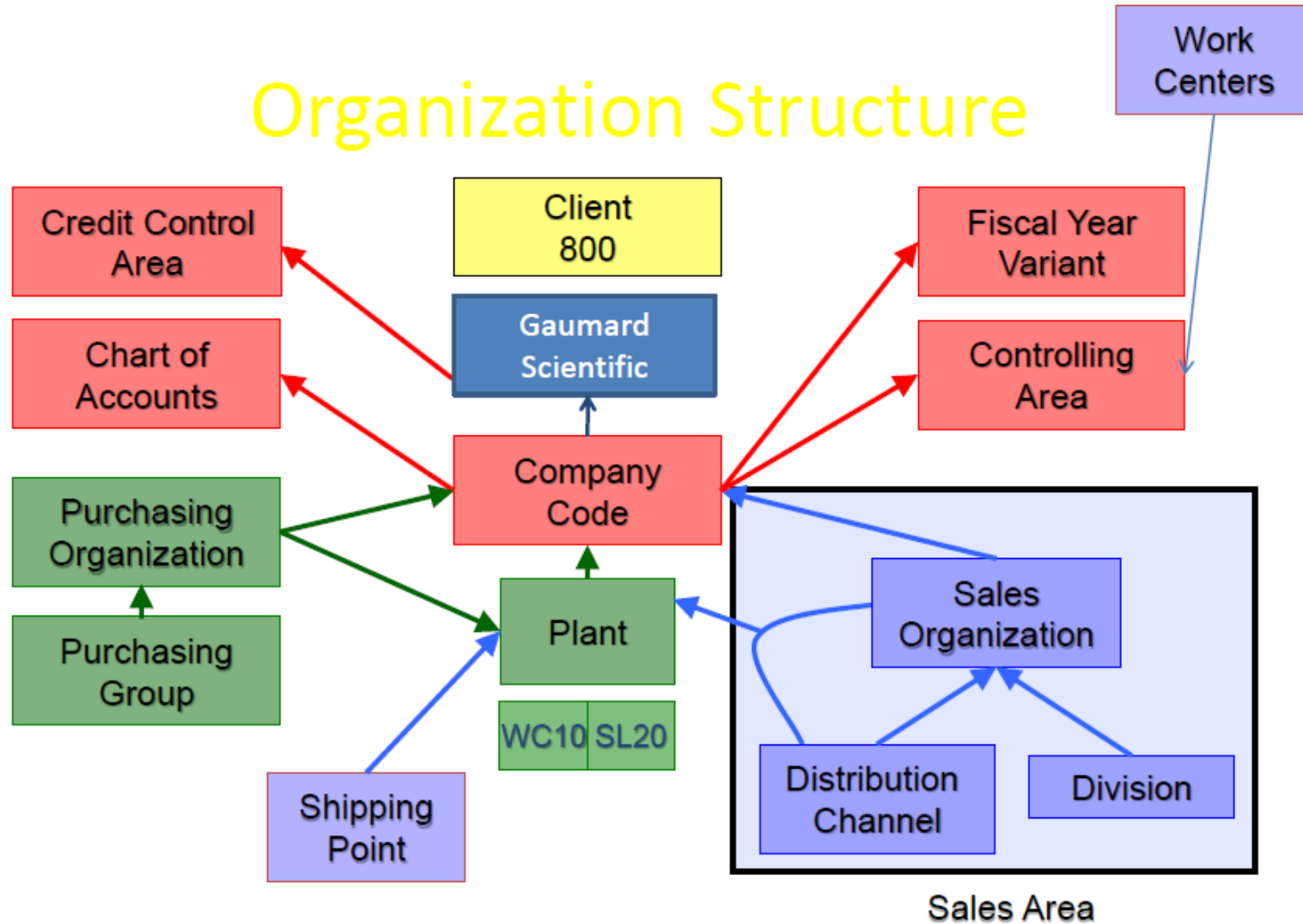


2.2.1 Organizational Chart To-Be

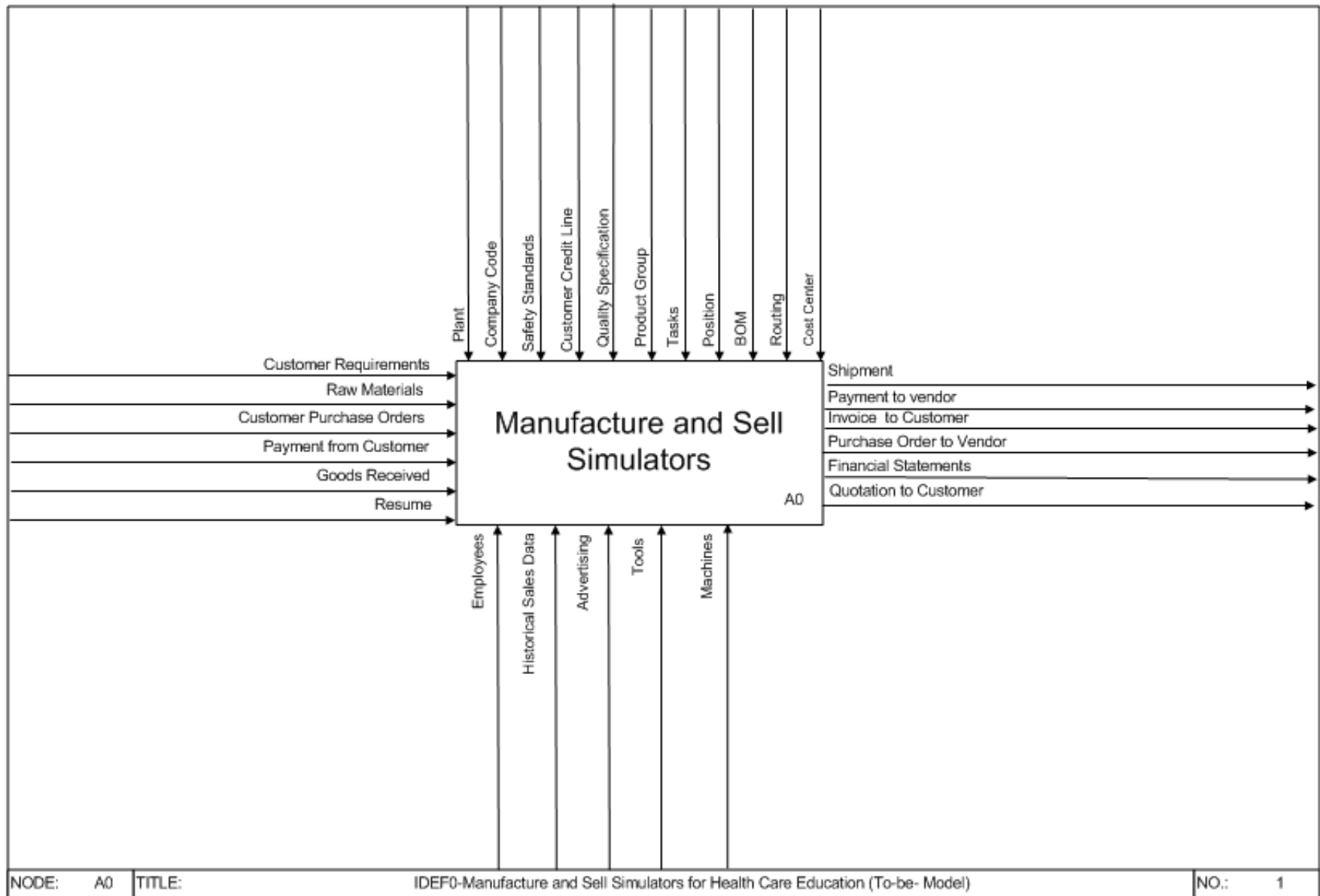


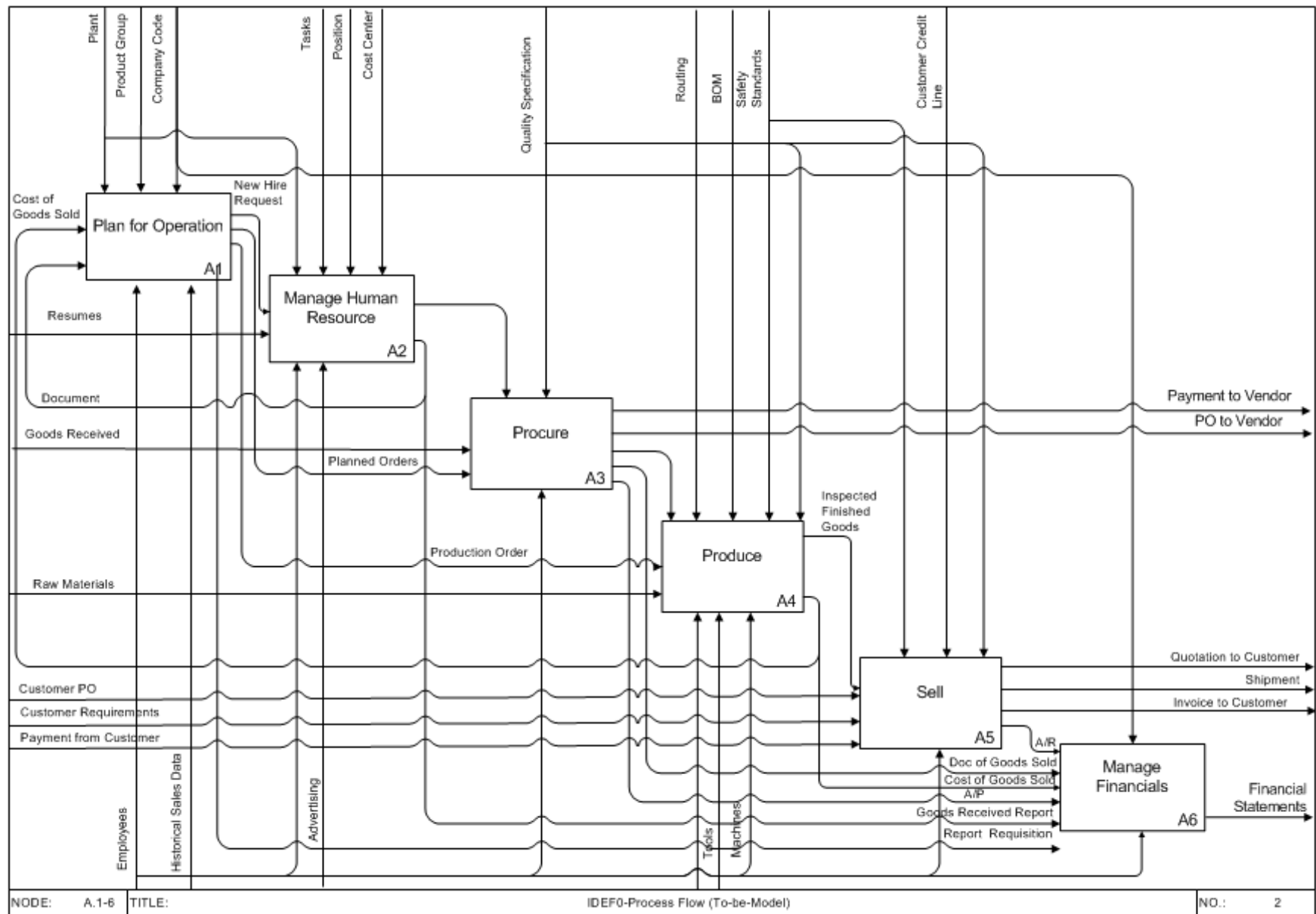
2.2.2 To Be Organization Structure

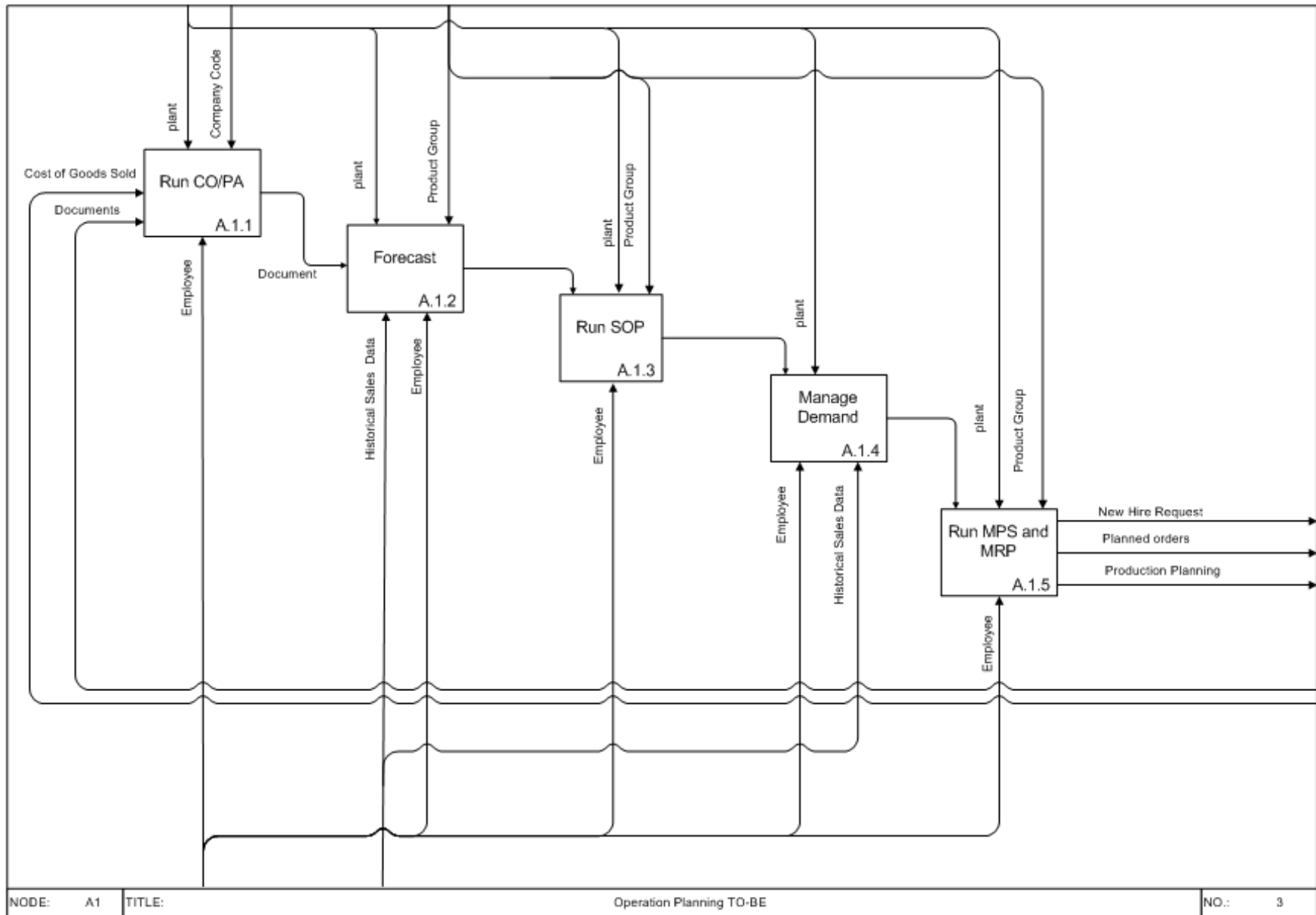
Organization Structure

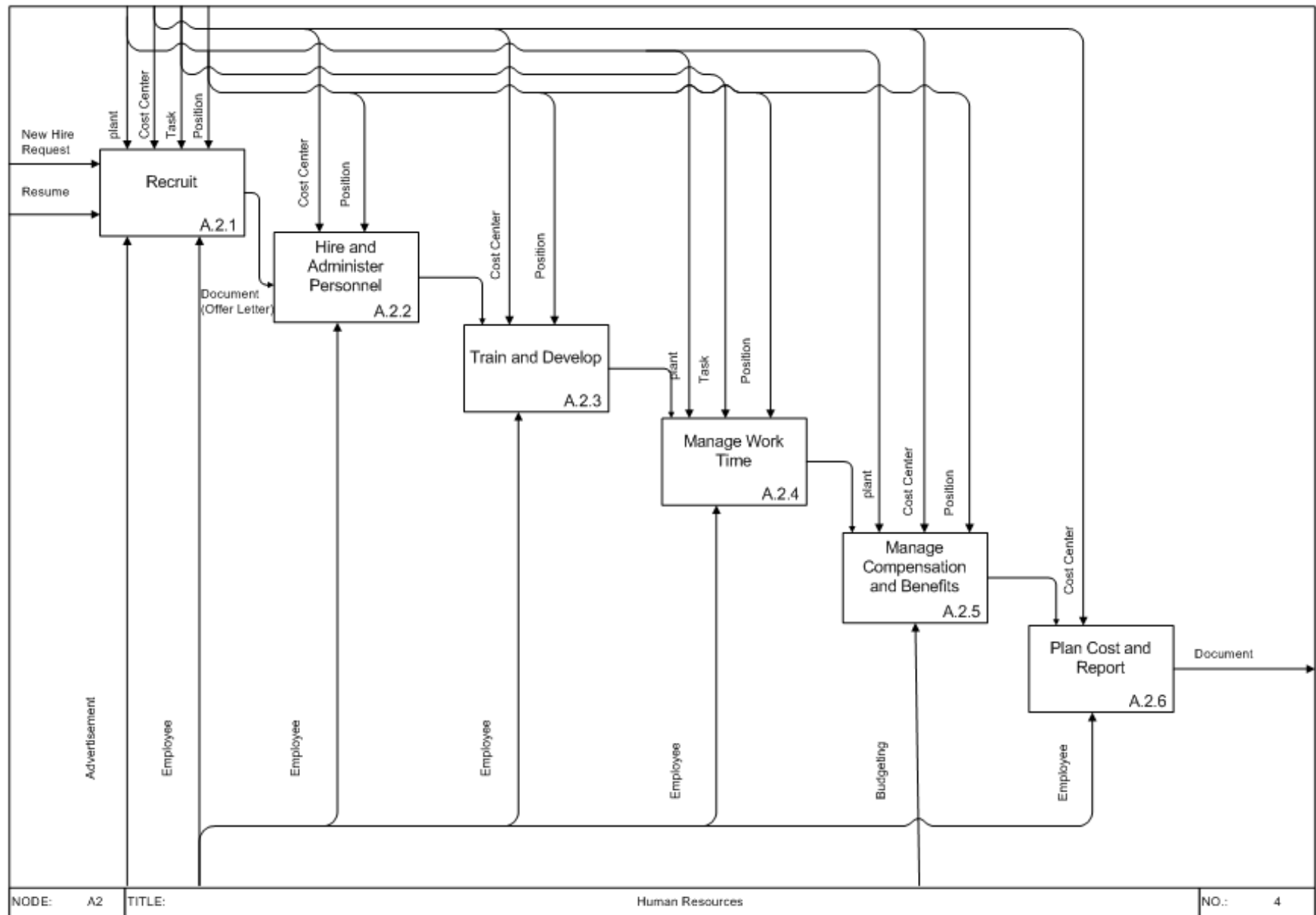


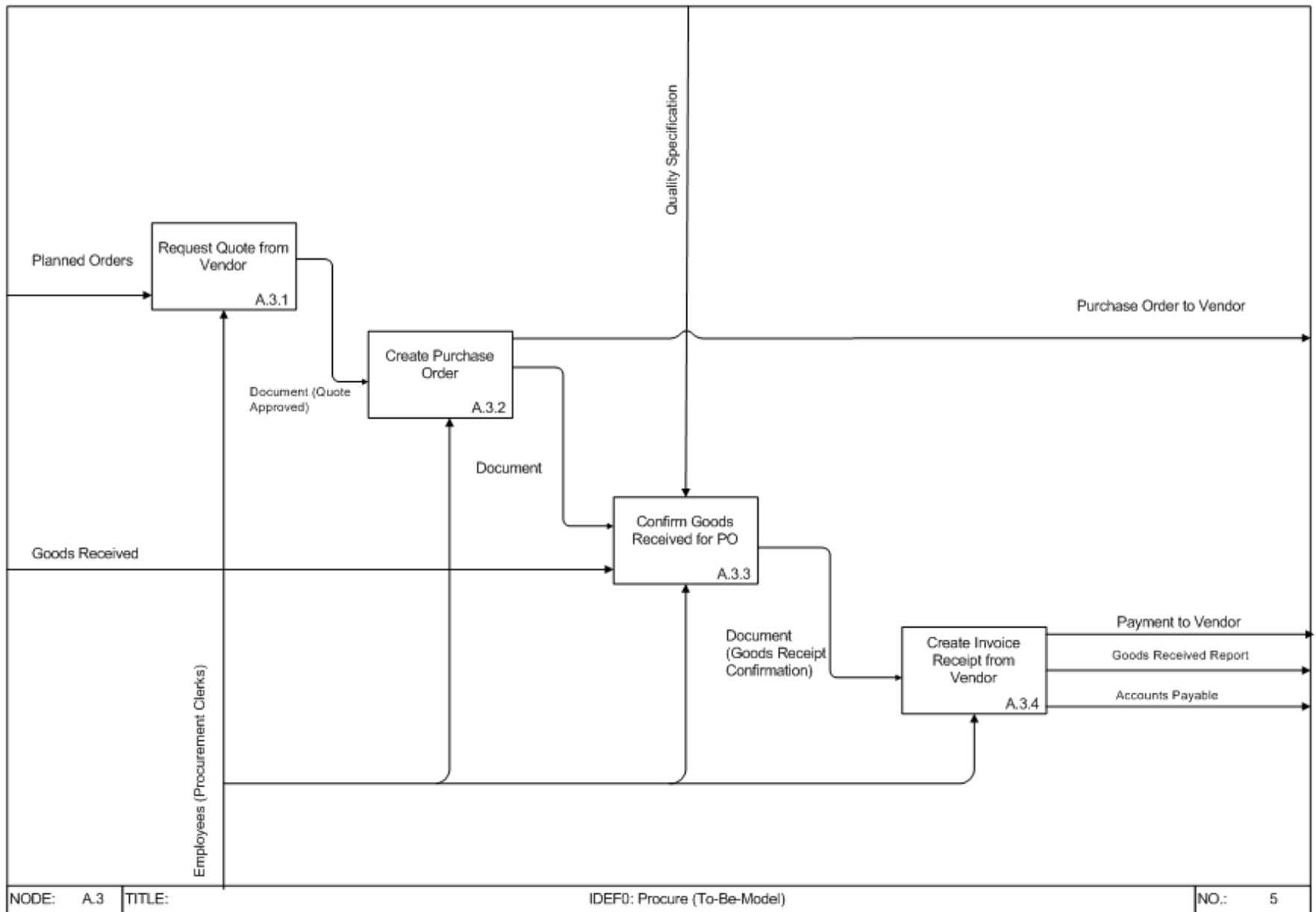
2.2.3 IDEF0 System Model To-Be

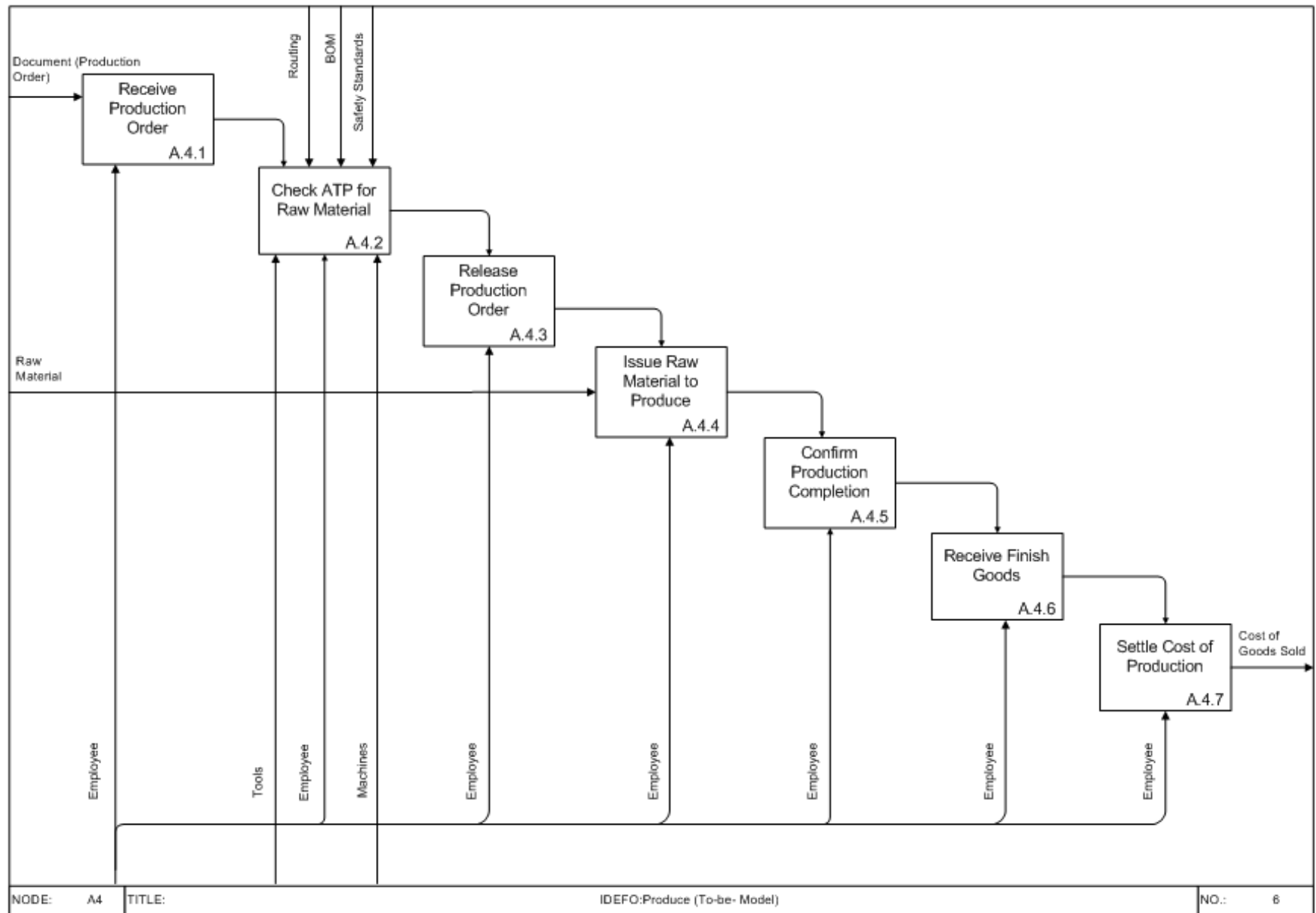


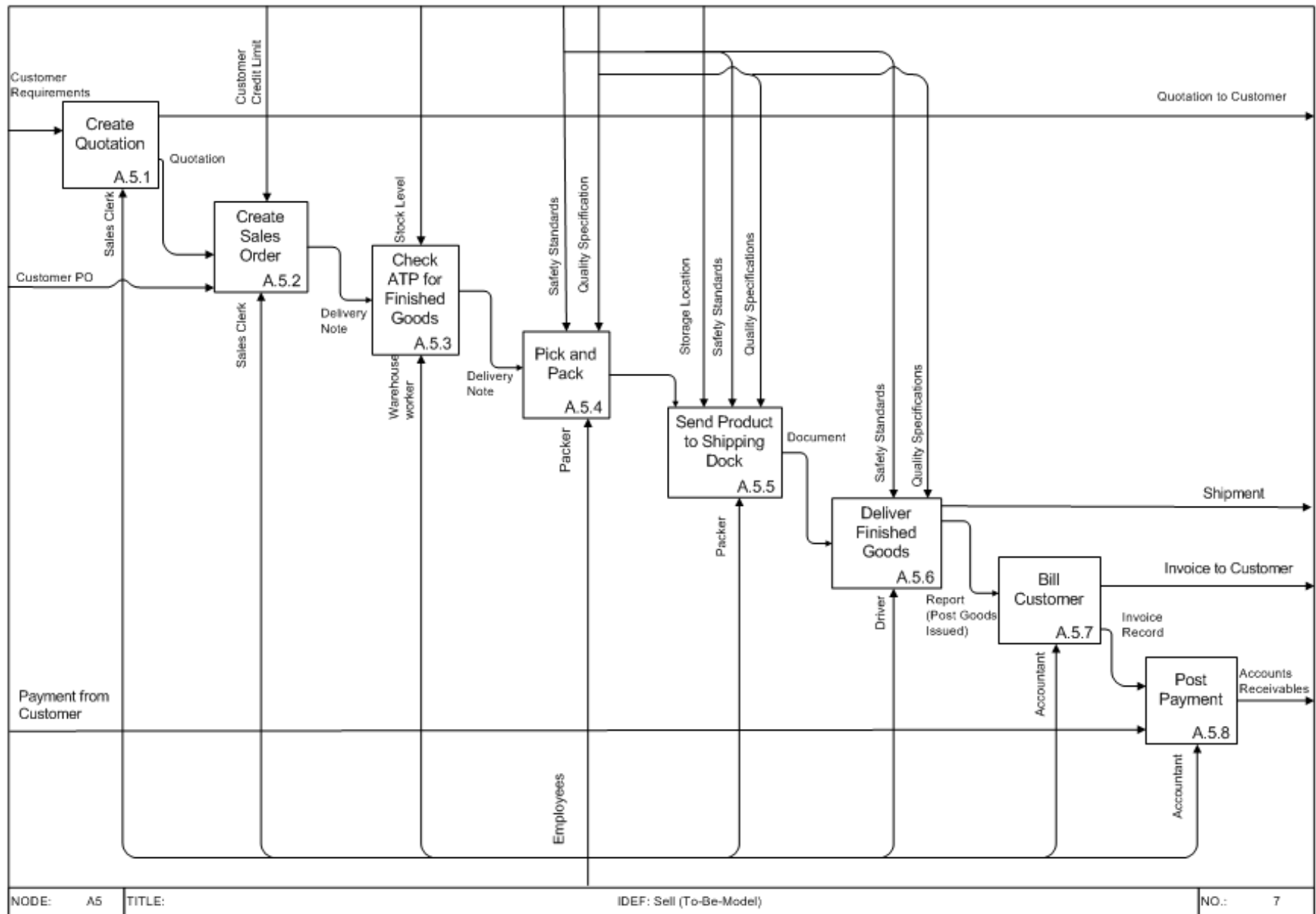


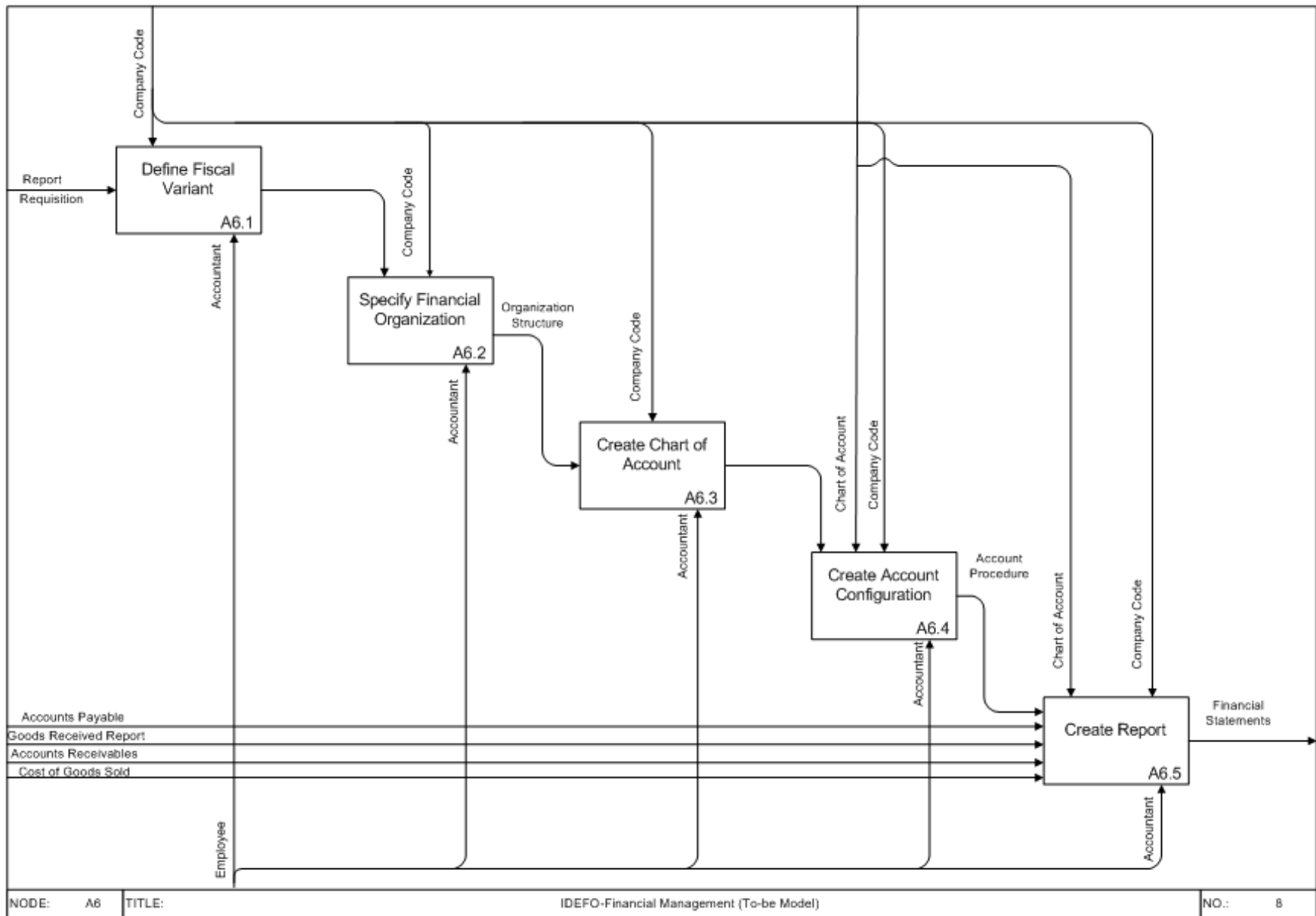




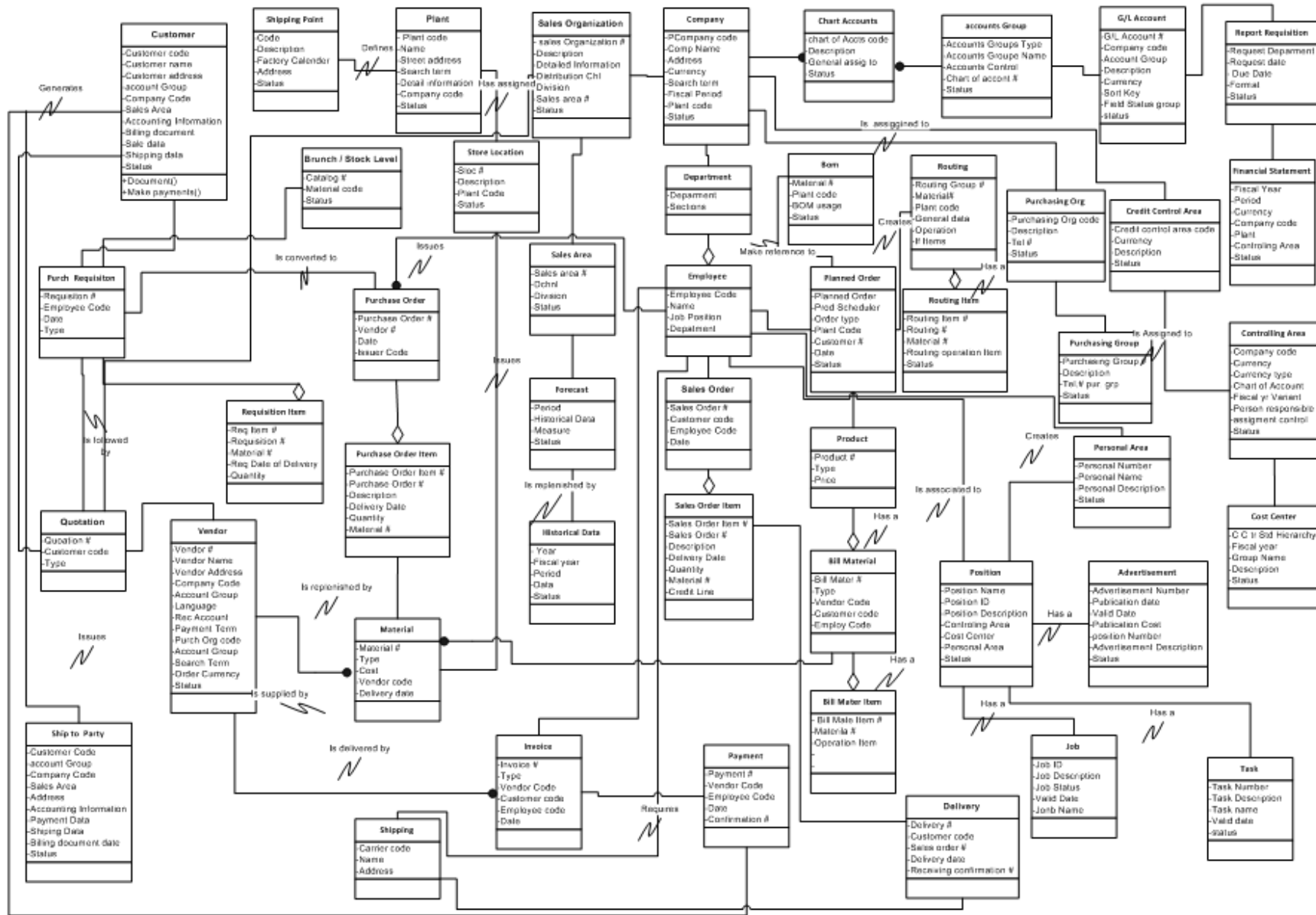




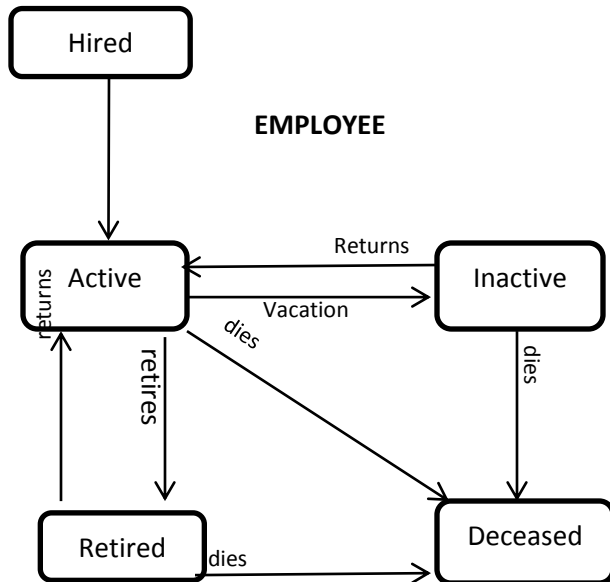




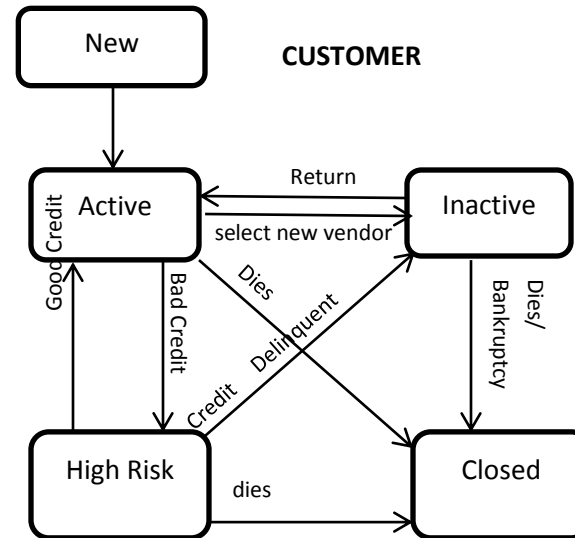
2.2.4 Object Model To-Be

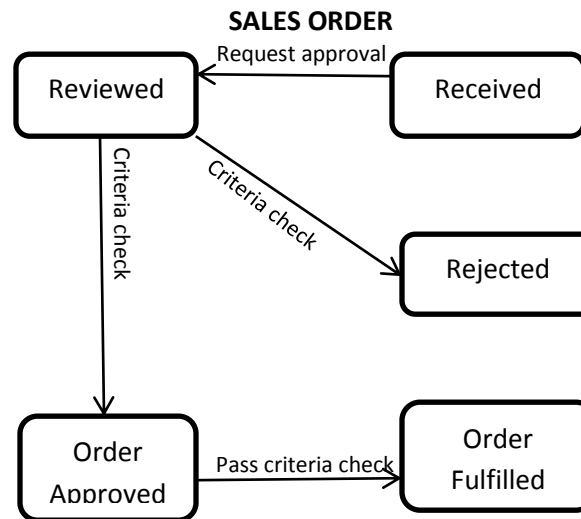
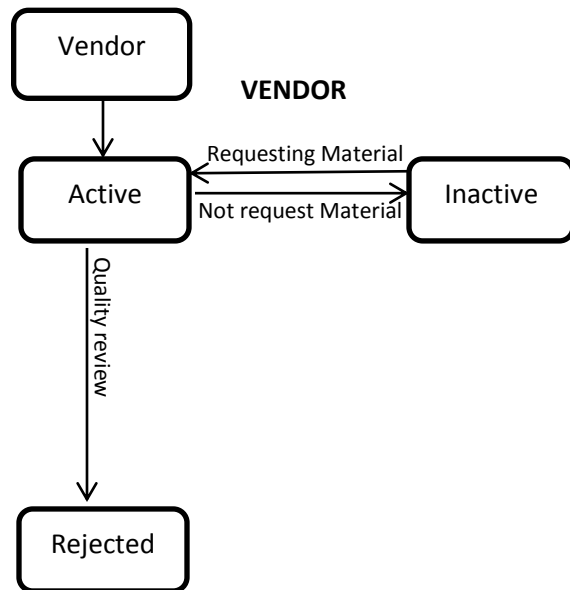


2.2.5 Dynamic Model To-Be

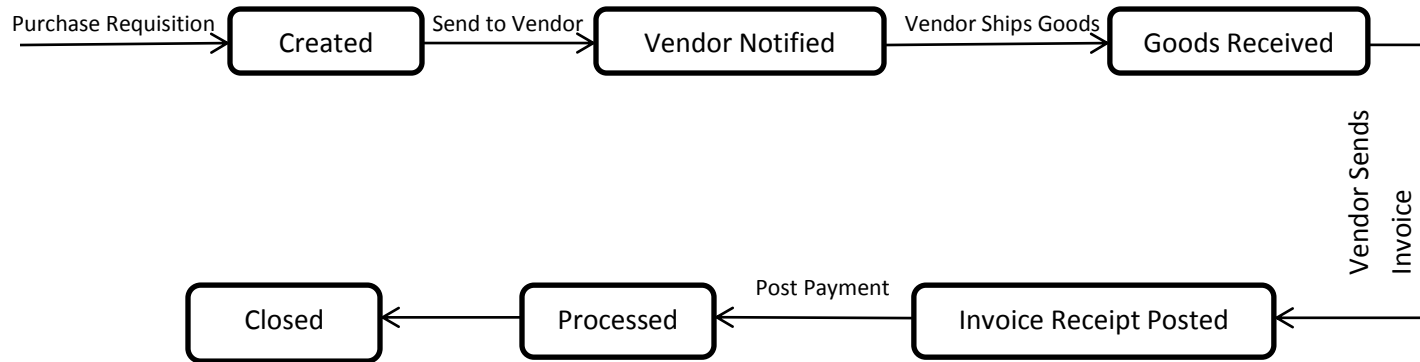


Dynamic Model (To-Be)

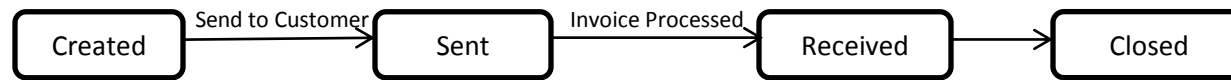




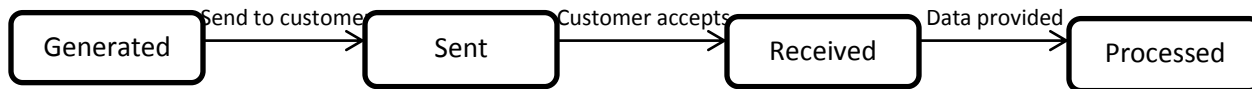
PURCHASE ORDER



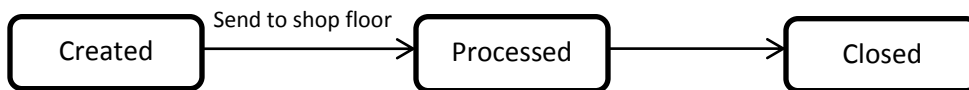
INVOICE TO CUSTOMER



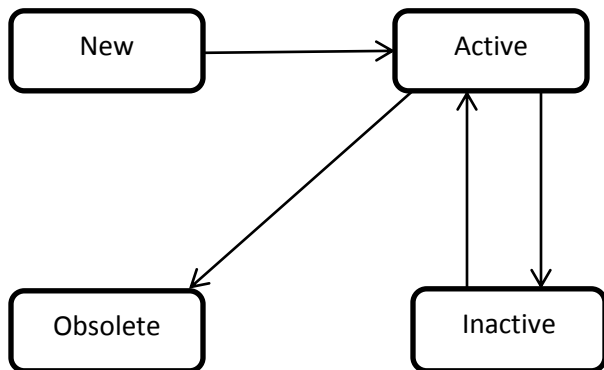
QUOTATION FOR CUSTOMER



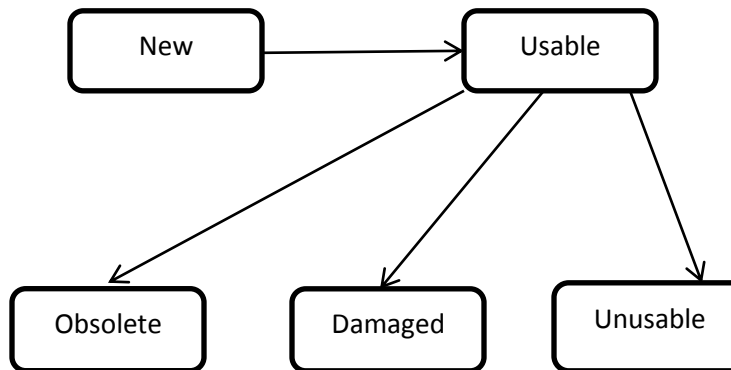
PRODUCTION ORDER



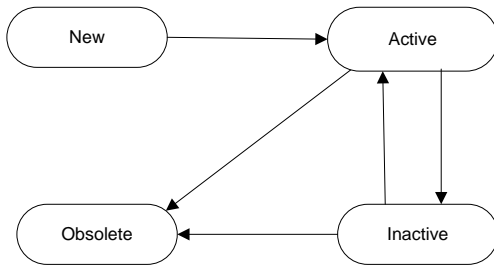
MACHINE



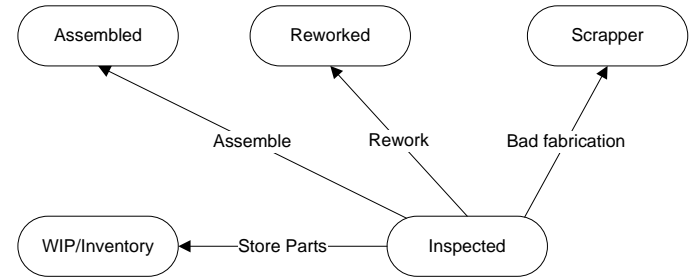
TOOLS



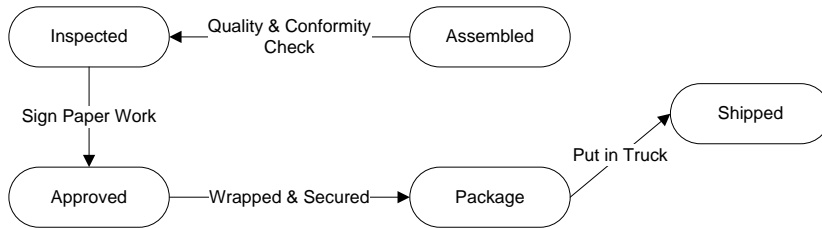
RAW MATERIALS



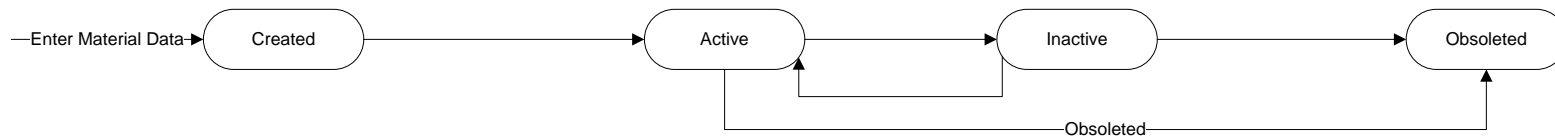
PRODUCT



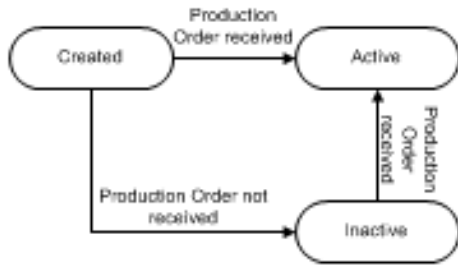
SHIPMENT



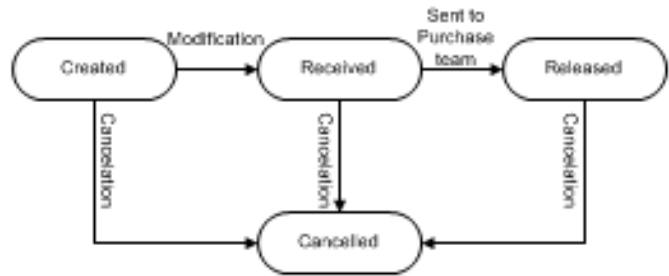
BOM



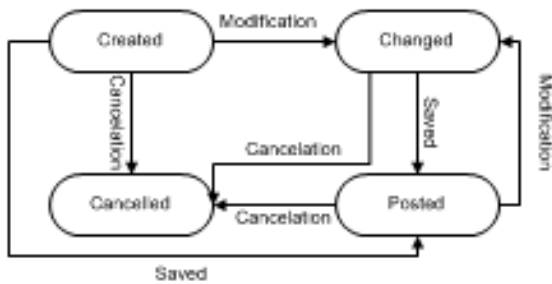
Plant



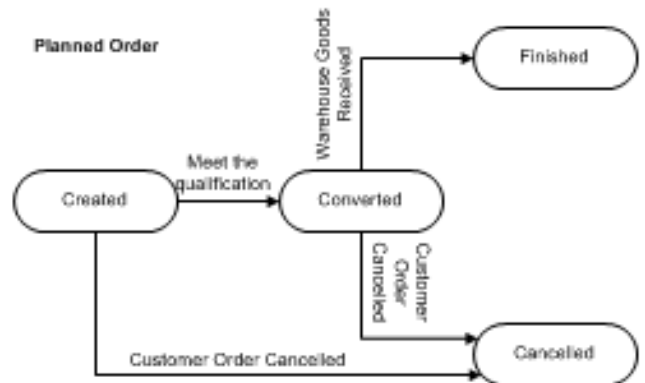
Purchase Requisition



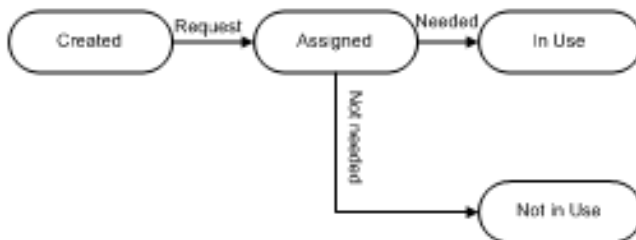
Document



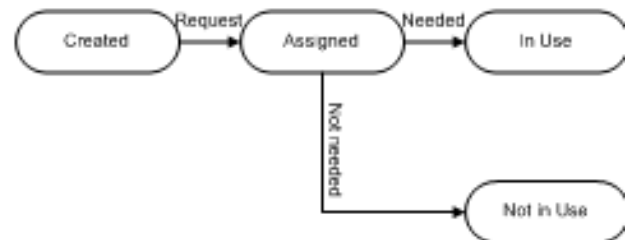
Planned Order



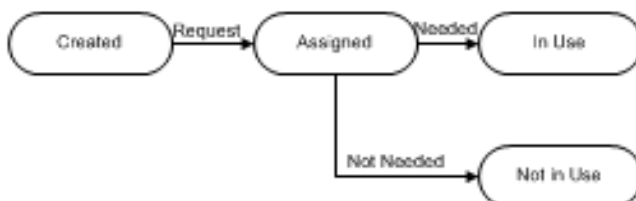
Company



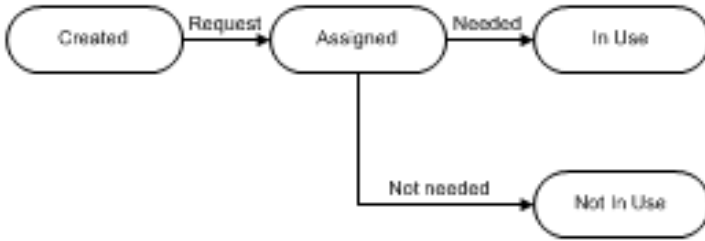
Purchasing Organization



Account Group



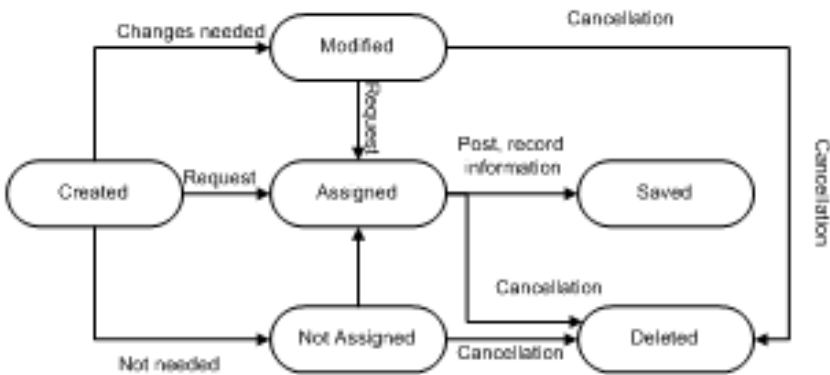
Sales Area



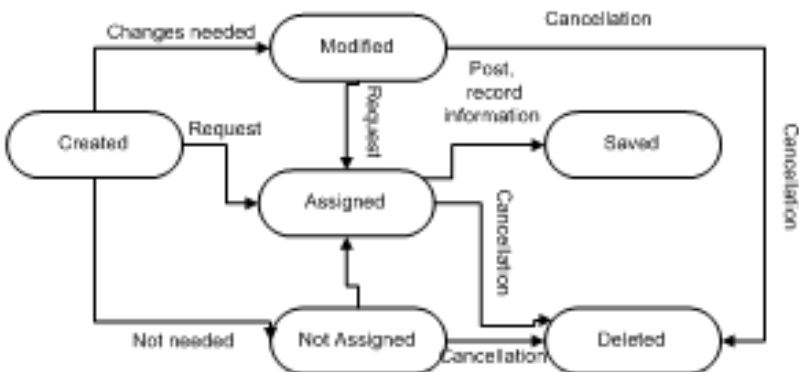
Purchasing Group

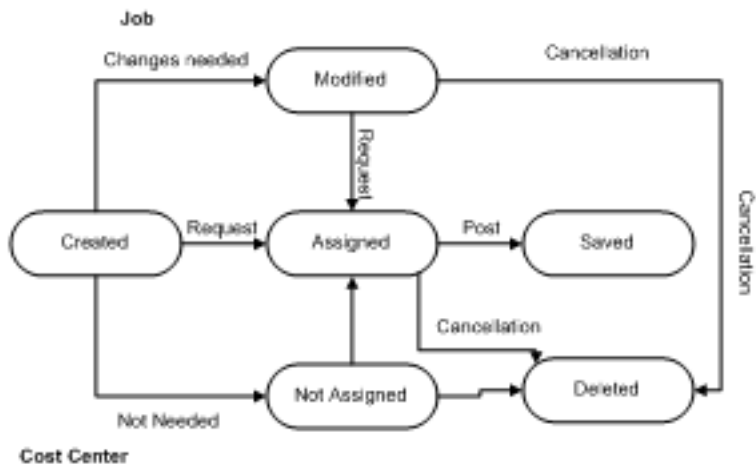


Shipping Point



Credit Control Area





Cost Center

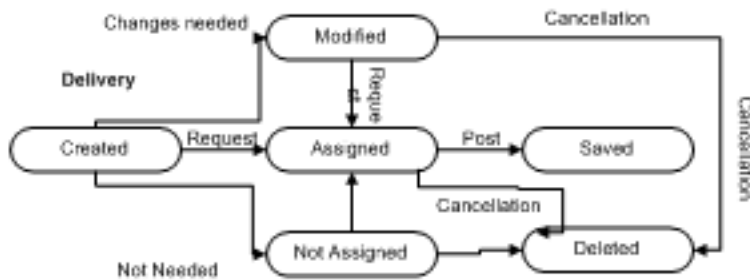
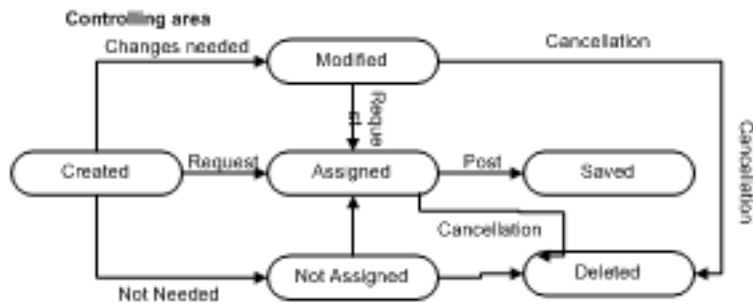
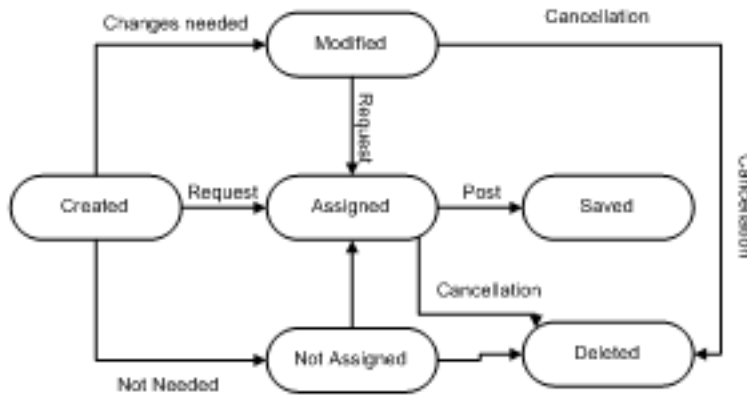


Chart of Accounts



Product Group



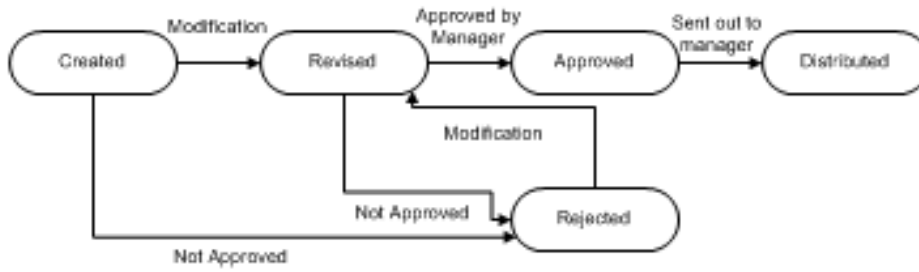
Personnel Area



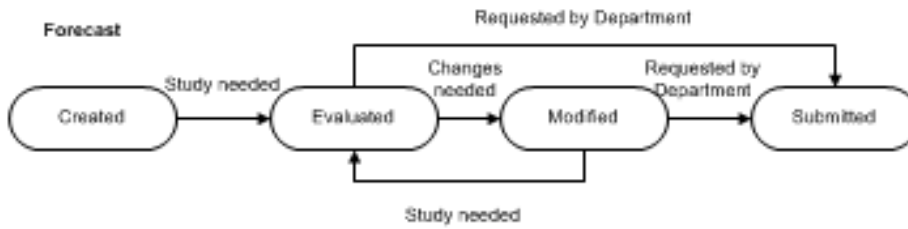
Purchase Order



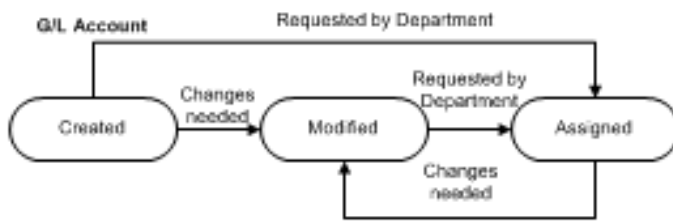
Financial Statement



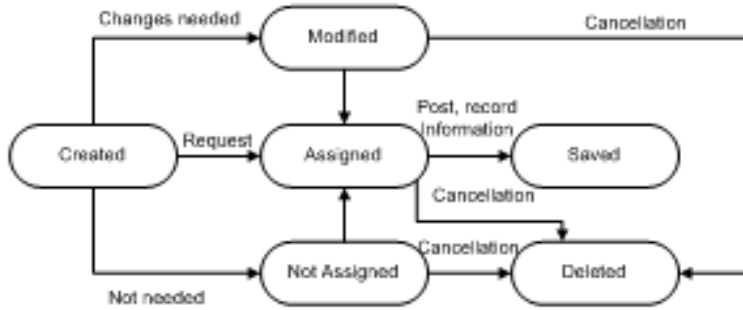
Forecast



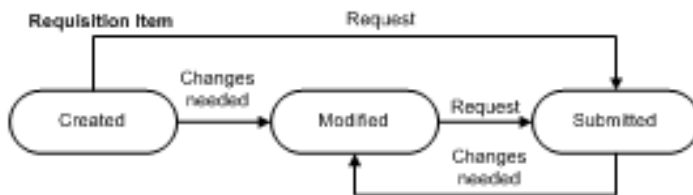
G/L Account

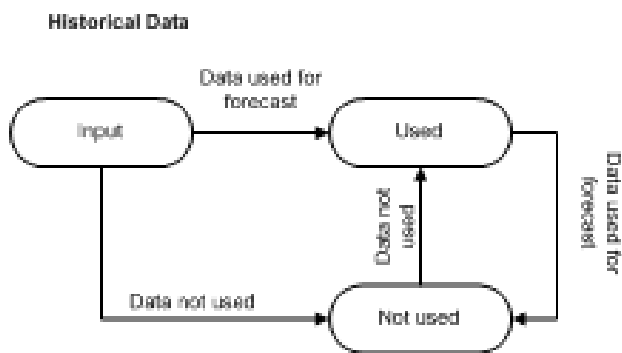
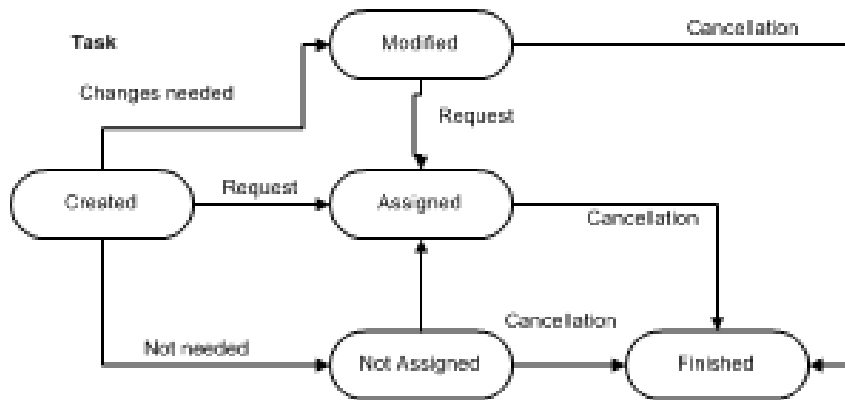
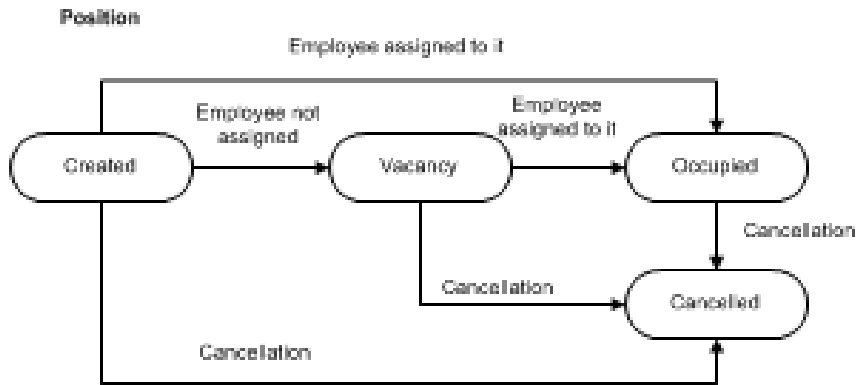


Ship to Party



Requisition Item





3. Business Implementation Overview

Gaumard Scientific’s Simulators for Health Care Education “As-is Model” has been successfully defined and established outlining in detail its process at each stage. This process was a great tool in identifying key components lacking in the lean manufacturing and management system. The next facet of the Enterprise project will be the actual configuration and implementation of the designed “To-be Model” in SAP.

1. Enterprise Organization Structure

1. Create one enterprise systems structure (company code, plant code, storage locations, sales org. purchasing org. , and shipping points
2. Review your enterprise structure

2. Operation Planning

1. Create material master data for finished goods and raw materials
2. Create product groups
3. Create BOM and routing for the finished goods
4. Create historical data
5. Develop pricing strategy for different sales channels and customers
6. Conduct (mfg. & material) cost analysis
7. Create forecast for at least one finished product with different Alpha, Gamma, and Delta forecast factors.
8. Estimate budget and capacity based on the forecast
9. Create sales & operation plan (SOP)
10. Convert SOP to demand management

3. Financial Management

1. Create fiscal year variant, control area, and credit area
2. Review/modify/create G/L accounts
3. Review/modify financial statement structure version
4. Determine tax version
5. Define valuation area
6. Assign G/L accounts to financial statement version
7. Develop performance report with SAP Crystal Report
8. Perform daily financial transactions
9. Generate financial reports (balance sheet and profit and loss statement)
10. Generate financial reports with SAP Crystal Dashboard Design



4. Control Management

1. Review/modify/create your standard hierarchy for cost centers.
2. Review/modify/create cost center element, element groups
3. Review/modify/create statistical key figure
4. Create distribution cycle
5. Create assessment cycle
6. Post/repost expense
7. Run cycles
8. Display individual line items
9. Review actual line item reports

5. Procurement Management

1. Define purchase order tolerance
2. Define various tolerance limits
3. Create vendors
4. Create info records
5. Create source list
6. Create purchase requisition
7. Create purchase order
8. Release purchase order
9. Confirm goods receipt
10. Post invoice
11. Post payment
12. Check material availability
13. Check open purchase orders
14. Generate purchasing reports
15. Conduct purchase (activity and order) analysis

6. Production Management

1. Create/modify/review work centers to match required capacity
2. Create/review/modify labor activity cost
3. Create production scheduler profile
4. Define control parameters for MRP
5. Define variation for goods receipt
6. Run MPS/MRP
7. Convert planned orders to production order
8. Check material availability
9. Release production order
10. Goods issue,
11. Completion of order



12. Goods receipt for finished goods
13. Order settlement
14. Generate production reports
15. Conduct production (activity and order) analysis.

7. Sales Management

1. Define distribution channels
2. Define sales divisions
3. Set up sales areas
4. Define loading groups
5. Create customers
6. Setup credit limit and discount for customers
7. Specify strategy for different customers and distribution channels.
8. Create sales quotation
9. Create sales order,
10. Create delivery notes
11. Picking/goods issue,
12. Bill customer
13. Post payment
14. Generate sales reports
15. Conduct sales (activity & order) analysis.

8. Human Resources

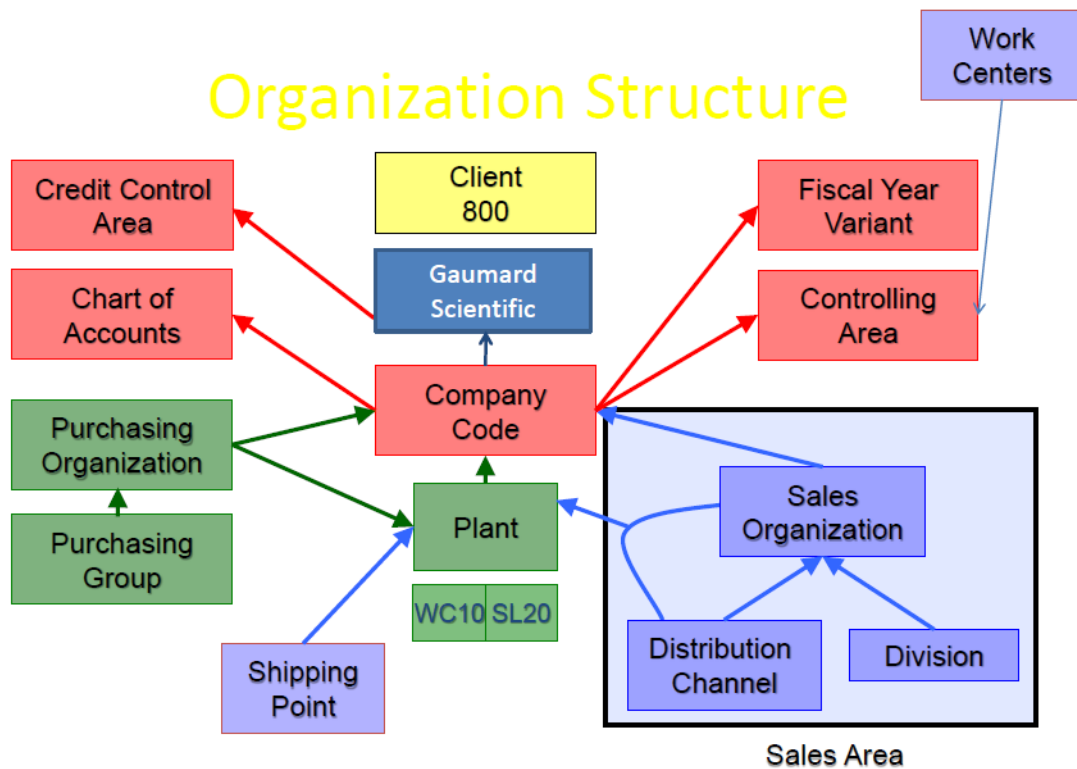
1. Review/modify organization plan
2. Create/modify a functional area within the org.
3. Create a new job
4. Create a new position
5. Advertisement
6. Receive and process applications
7. Update employee master data
8. Send employment to training



4. SAP Implementation

4.1 Business Implementation Plan

Company Organization Structure



Company Code

Table View Edit Goto Selection Utilities System Help

Change View "Company Code": Overview

New Entries

Company ...	Company Name
C137	Pen Inc. 137
C138	Pen Inc. 138
C139	Pen Inc. 139
C140	Gamma140
C141	Pen Inc. 141
C142	Pen Inc. 142
C143	Gaumard Scientific Inc.
C144	Pen Inc. 144
C145	Pen Inc. 145
C146	Pen Inc. 146
C147	Pen Inc. 147
C148	Pen Inc. 148
C149	Tesla Motor Company
C150	Pen Inc. 150
C151	Copyservice USA
C152	Pen Inc. 152

Table View Edit Goto Selection Utilities System Help

Change View "Assignment Plant - Company Code": Overview

New Entries

CoCd	Plnt	Name of Plant	Company Name	Status
C139	P139	Pen Inc. Warehouse 139	Pen Inc. 139	
C140	P140	Pen Inc. Warehouse 140	Gamma140	
C141	P141	Pen Inc. Warehouse 141	Pen Inc. 141	
C142	P142	Pen Inc. Warehouse 142	Pen Inc. 142	
C143	P143	Gaumard Scientific Inc.	Gaumard Scientific Inc.	
C144	P144	Pen Inc. Warehouse 144	Pen Inc. 144	
C145	P145	Pen Inc. Warehouse 145	Pen Inc. 145	
C146	P146	Pen Inc. Warehouse 146	Pen Inc. 146	
C147	P147	Pen Inc. Warehouse 147	Pen Inc. 147	
C148	P148	Pen Inc. Warehouse 148	Pen Inc. 148	
C149	P149	Tesla Warehouse 149	Tesla Motor Company	
C150	P150	Pen Inc. Warehouse 150	Pen Inc. 150	
C151	P151	Copyservice USA Warehouse	Copyservice USA	
C152	P152	Pen Inc. Warehouse 152	Pen Inc. 152	
C153	P153	Pen Inc. Warehouse 153	Pen Inc. 153	
C154	P154	Pen Inc. Warehouse 154	Pen Inc. 154	
C155	P155	Pen Inc. Warehouse 155	Pen Inc. 155	
C156	P156	Pen Inc. Warehouse 156	Pen Inc. 156	
C157	P157	Pen Inc. Warehouse 157	Pen Inc. 157	
C158	P158	Terremark Warehouse	Terremark Worldwide Inc.	
C159	P159	Pen Inc. Warehouse 159	Pen Inc. 159	
C160	P160	Pen Inc. Warehouse 160	Pen Inc. 160	
C161	P161	Pen Inc. Warehouse 161	Pen Inc. 161	
C162	P162	Pen Inc. Warehouse 162	Pen Inc. 162	
C163	P163	Pen Inc. Warehouse 163	Pen Inc. 163	



Name of the Purchasing Organization

Table View Edit Goto Selection Utilities System Help

Change View "Assign Purchasing Organization -> Company Code": Overview

POrg	Description	CoCd	Company Name	Status
P136	Purchasing Org. 136	C136	Pen Inc. 136	
P137	Purchasing Org. 137	C137	Pen Inc. 137	
P138	Purchasing Org. 138	C138	Pen Inc. 138	
P139	Purchasing Org. 139	C139	Pen Inc. 139	
P140	Purchasing Org. 140	C140	Gamma140	
P141	Purchasing Org. 141	C141	Pen Inc. 141	
P142	Purchasing Org. 142	C142	Pen Inc. 142	
P143	Purchasing Org. 143	C143	Gaumard Scientific Inc.	
P144	Purchasing Org. 144	C144	Pen Inc. 144	
P145	Purchasing Org. 145	C145	Pen Inc. 145	
P146	Purchasing Org. 146	C146	Pen Inc. 146	
P147	Purchasing Org. 147	C147	Pen Inc. 147	
P148	Purchasing Org. 148	C148	Pen Inc. 148	
P149	Purchasing Org. 149	C149	Tesla Motor Company	
P150	Purchasing Org. 150	C150	Pen Inc. 150	
P151	Purchasing Org. 151	C151	CopyService USA	
P152	Purchasing Org. 152	C152	Pen Inc. 152	
P153	Purchasing Org. 153	C153	Pen Inc. 153	
P154	Purchasing Org. 154	C154	Pen Inc. 154	
P155	Purchasing Org. 155	C155	Pen Inc. 155	
P156	Purchasing Org. 156	C156	Pen Inc. 156	
P157	Purchasing Org. 157	C157	Pen Inc. 157	
P158	Purchasing Org. 158	C158	Terremark Worldwide Inc.	
P159	Purchasing Org. 159	C159	Pen Inc. 159	
P160	Purchasing Org. 160	C160	Pen Inc. 160	



Shipping Point

Table View Edit Goto Selection Utilities System Help

Change View "Assign Purchasing Organization -> Company Code": Overview

POrg	Description	CoCd	Company Name	Status
P135	Purchasing Org. 135	C135	Pen Inc. 135	
P136	Purchasing Org. 136	C136	Pen Inc. 136	
P137	Purchasing Org. 137	C137	Pen Inc. 137	
P138	Purchasing Org. 138	C138	Pen Inc. 138	
P139	Purchasing Org. 139	C139	Pen Inc. 139	
P140	Purchasing Org. 140	C140	Gamma140	
P141	Purchasing Org. 141	C141	Pen Inc. 141	
P142	Purchasing Org. 142	C142	Pen Inc. 142	
P143	Purchasing Org. 143	C143	Gaumard Scientific Inc.	
P144	Purchasing Org. 144	C144	Pen Inc. 144	
P145	Purchasing Org. 145	C145	Pen Inc. 145	
P146	Purchasing Org. 146	C146	Pen Inc. 146	
P147	Purchasing Org. 147	C147	Pen Inc. 147	
P148	Purchasing Org. 148	C148	Pen Inc. 148	
P149	Purchasing Org. 149	C149	Tesla Motor Company	
P150	Purchasing Org. 150	C150	Pen Inc. 150	
P151	Purchasing Org. 151	C151	Copyservice USA	
P152	Purchasing Org. 152	C152	Pen Inc. 152	
P153	Purchasing Org. 153	C153	Pen Inc. 153	
P154	Purchasing Org. 154	C154	Pen Inc. 154	
P155	Purchasing Org. 155	C155	Pen Inc. 155	
P156	Purchasing Org. 156	C156	Pen Inc. 156	
P157	Purchasing Org. 157	C157	Pen Inc. 157	
P158	Purchasing Org. 158	C158	Terremark Worldwide Inc.	
P159	Purchasing Org. 159	C159	Pen Inc. 159	

Position... Entry 37 of 105

Sales Organization

Table View Edit Goto Selection Utilities System Help

Change View "Sales organizations": Overview

SOrg	Name
S141	Pen Inc. 141
S142	Pen Inc. 142
S143	Gaumard So. Inc.
S144	Pen Inc. 144
S145	Pen Inc. 145
S146	Pen Inc. 146
S147	Pen Inc. 147
S148	Pen Inc. 148
S149	Tesla Sales 149
S150	Pen Inc. 150
S151	COPYSERVICE USA
S152	Pen Inc. 152
S153	Pen Inc. 153
S154	Pen Inc. 154
S155	Pen Inc. 155
S156	Pen Inc. 156
S157	Pen Inc. 157

Position... Entry 43 of 105



Operations Planning

BOM for Tan Breast

Create material BOM: General Item Overview

Material: BREAST
Plant: F143 Gaumard Scientific Inc
Alternative BOM: 1

Item	ICt	Component	Component description	Funct.ID	Quantity	Un	A...	Sts	Valid From	Valid to	Change No.	P...	Sort
0010	L	SILICONE	Silicone Part A		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0020	L	SILICONE	Silicone Part B		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0030	L	FOAM SILICONE	Foam Silicone Part A		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0040	L	FOAM SILICONE_B	Foam Silicone Part B		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0050	L	SILICONE TAN PAINT	Silicone "Tan Paint"		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0060	L	FUMED SILICA	Fumed Silica Powder		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0070							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0080							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0090							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0100							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0110							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0120							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0130							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0140							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0150							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0160							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0170							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0180							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0190							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	

Position... Initial Entry 1 / 6

BOM for Tan Baby Skin

Create material BOM: General Item Overview

Material: BABYSKIN
Plant: F143 Gaumard Scientific Inc
Alternative BOM: 1

Item	ICt	Component	Component description	Funct.ID	Quantity	Un	A...	Sts	Valid From	Valid to	Change No.	P...	Sort
0010	L	SILICONE PART C	Silicone Part C		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0020	L	SILICONE PART D	Silicone Part D		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0030	L	SILICONE TAN PAINT	Silicone "Tan Paint"		1	EA	<input type="checkbox"/>	<input type="checkbox"/>	10/14/2011	12/31/9999		<input type="checkbox"/>	
0040							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0050							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0060							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0070							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0080							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0090							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0100							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0110							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0120							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0130							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0140							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0150							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0160							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0170							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0180							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	
0190							<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	

Position... Initial Entry 1 / 3



Create Product Groups

Display Material HEALTHCARE (Product groups)

Material: HEALTHCARE | Plant: P143

General Data:

- Base Unit of Measure: EA each
- Purchasing Group: []
- Plant-sp.matl status: []

MRP procedure:

- MRP Type: ND No planning
- Reorder Point: 0
- Planning cycle: []

Lot size data:

- Lot size: []
- Minimum Lot Size: 0
- Maximum Lot Size: 0
- Assembly scrap (%): 0.00
- Rounding Profile: []
- Unit of Measure Grp: []

Routing List Tan Breast

Change Routing: Operation Overview

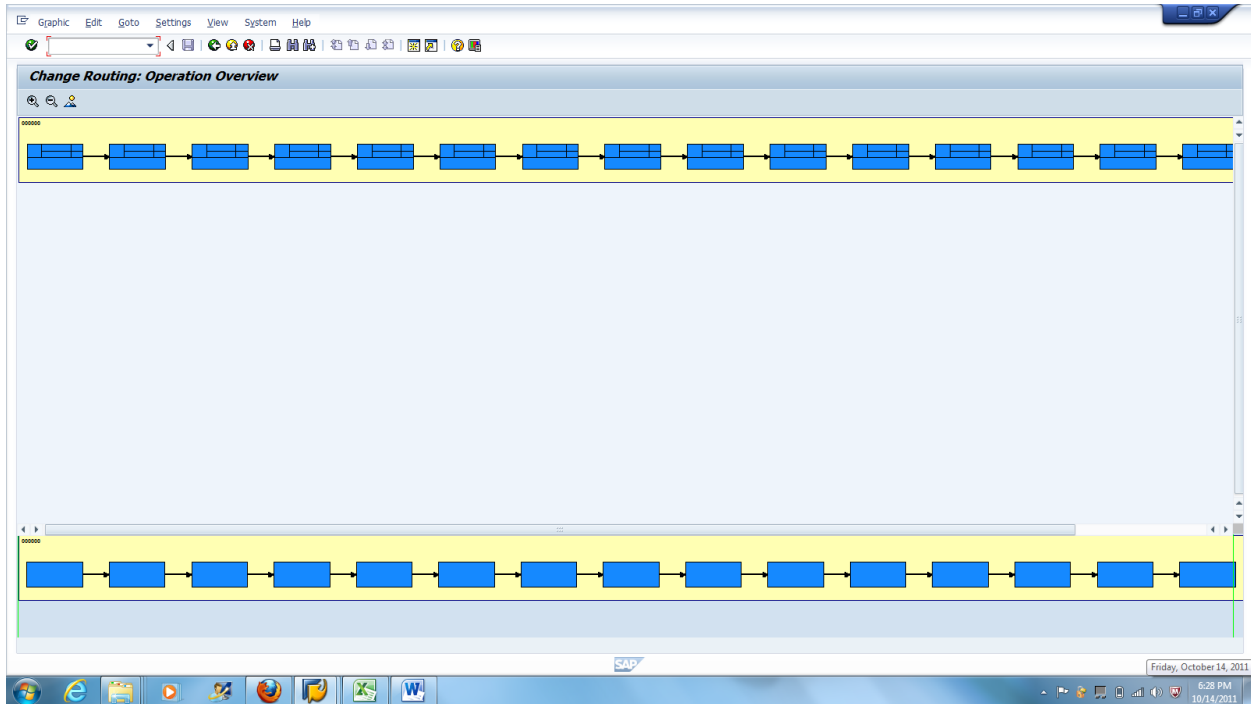
Material: BREAST | Tan Breast | Sequence: 0

Op...	SOp	Work c...	Pnt	Co...	Standar...	Description	L...	P...	Cl...	O...	P...	S...	Base Quantity	U...	Setup	U...	Acti...	Machine	U...	Acti...
0010	WC143	P143 ASSY				Mixing							10	EA	2		MIN LABOR			
0020	WC143	P143 ASSY				Vacuuming							10	EA	1		MIN LABOR			
0030	WC143	P143 ASSY				Pouring							10	EA	1		MIN LABOR			
0040	WC143	P143 ASSY				Curing							10	EA	1		MIN LABOR			
0050	WC143	P143 ASSY				Fumed Silca Cyst Placement							10	EA	2		MIN LABOR			
0060	WC143	P143 ASSY				Mixing 2nd							10	EA	2		MIN LABOR			
0070	WC143	P143 ASSY				Pouring 2nd							10	EA	1		MIN LABOR			
0080	WC143	P143 ASSY				Curing 2nd							10	EA	1		MIN LABOR			
0090	WC143	P143 ASSY				Mixing 3rd							10	EA	2		MIN LABOR			
0100	WC143	P143 ASSY				Vacuuming 2nd							10	EA	1		MIN LABOR			
0110	WC143	P143 ASSY				Pouring 3d							10	EA	1		MIN LABOR			
0120	WC143	P143 ASSY				Curing 3rd							10	EA	1		MIN LABOR			
0130	WC143	P143 ASSY				Painting							10	EA	3		MIN LABOR			
0140	WC143	P143 ASSY				Curing							10	EA	1		MIN LABOR			
0150	WC143	P143 ASSY				Inspecting							10	EA	1		MIN LABOR			
0160		P143											1	EA						
0170		P143											1	EA						
0180		P143											1	EA						
0190		P143											1	EA						
0200		P143											1	EA						
0210		P143											1	EA						
0220		P143											1	EA						
0230		P143											1	EA						

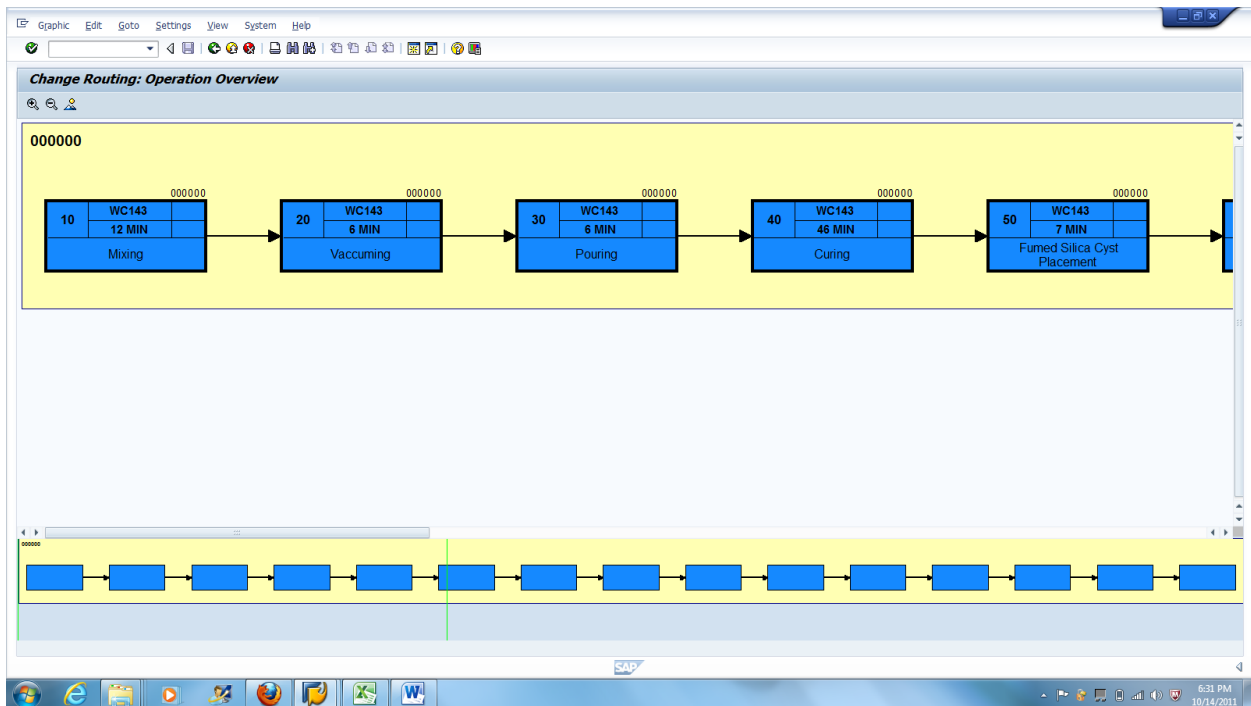
Entry: 1 of 15



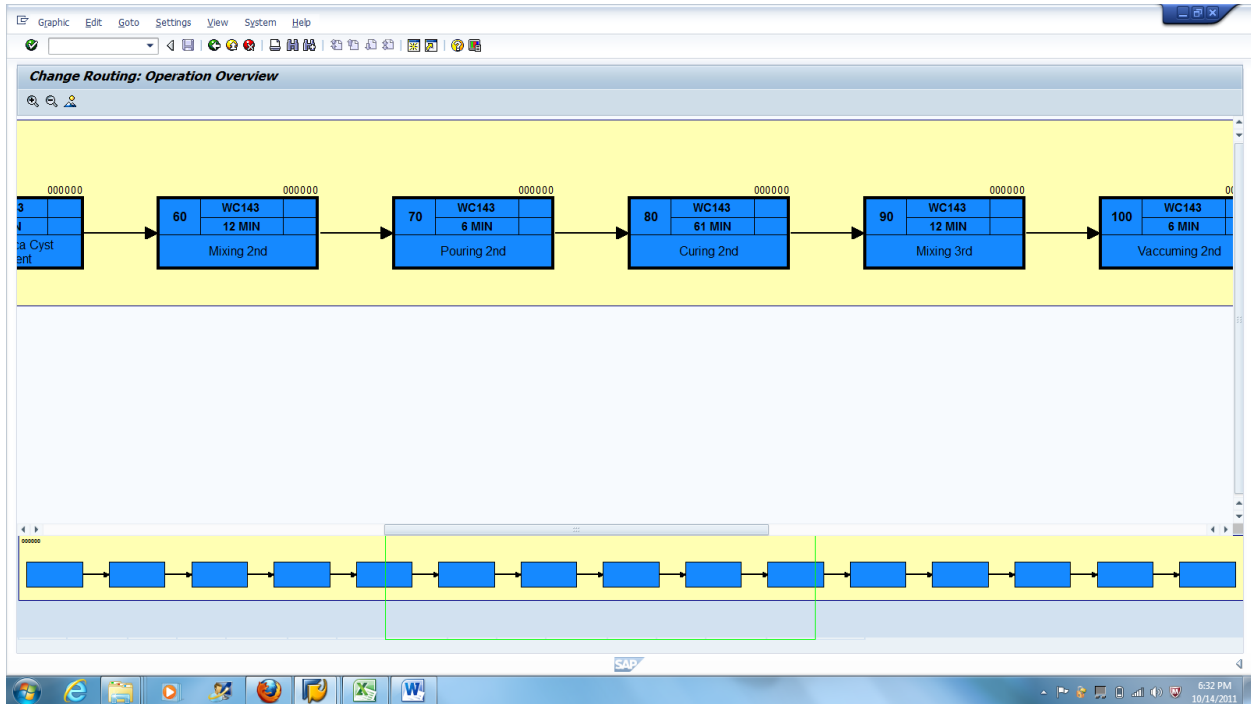
Routing Tan Breast (Zoom Out)



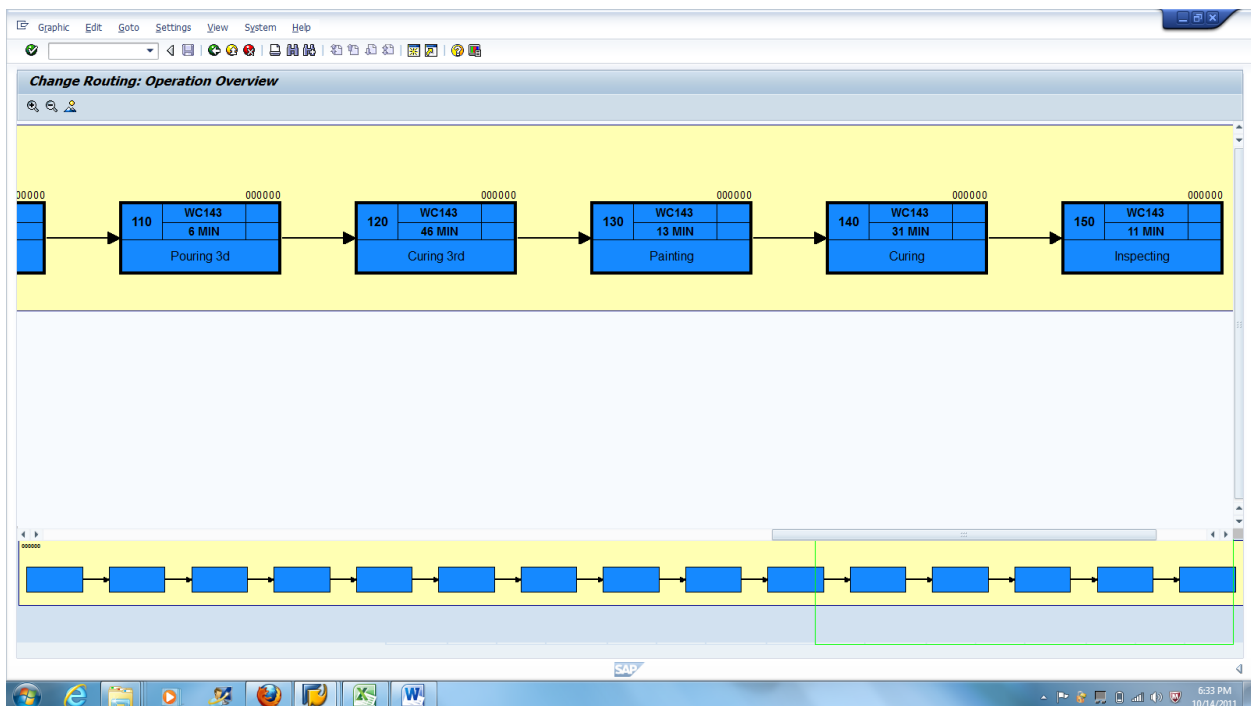
Routing Tan Breast (1-5)



Routing Tan Breast (6-10)



Routing Tan Breast (11-15)



Financial Management

Financial GL Accounts in Gaumard Scientific

G/L Account Number (3) 34 Entries found

G/L account no. in chart of accounts | G/L account description in chart of ac...

Master records

G/L Ac...	ChAc	Long Text
100143	C143	Bank Account
101143	C143	Bank Atlantic
110143	C143	Accounts Receivable Reconciliation Account
200143	C143	Raw Materials Inventory
201143	C143	Trading Goods Inventory
202143	C143	Finished Goods Inventory
203143	C143	Operating Supplies Inventory
204143	C143	Semi-Finished Goods Inventory
205143	C143	Process Raw Materials Inventory
300143	C143	Accounts Payable Reconciliation Account
310143	C143	Goods Receipt / Invoice Receipt Account
320143	C143	Accrued Tax - Output
321143	C143	Accrued Tax - Input
330000	C143	Retained Earnings
350143	C143	Common Stock Account
600143	C143	Sales Revenue
610143	C143	Revenue Deductions
710143	C143	Labor Expense
715143	C143	Maintenance Repair Expense
720143	C143	Raw Materials Consumption/Expense
721143	C143	Trading Goods Consumption/Expense
722143	C143	Finished Goods Consumption/Expense
723143	C143	Semi-Finished Goods Consumption/Expense
724143	C143	Process Raw Materials Consumption/Expense
731143	C143	Production Order Settle Expense
735143	C143	Intial Material Expense
740143	C143	Supplies Expense
750143	C143	Utilities Expense
760143	C143	Purchase Price Difference Account
762143	C143	Production Variance Expense
770143	C143	Information Technology Expense
780143	C143	Rent Expense
781143	C143	Miscellaneous Expense
790143	C143	Cost of Goods Sold Expense

34 Entries found



Review Financial Statement Structure

The screenshot shows the SAP 'Change Financial Statement Version' window for company 1143. The tree structure is as follows:

- ASSETS (Assets)
 - Cash & Cash Equivalents
 - Petty Cash
 - Bank
 - C1430000100000 - 0000101999 X[X]
 - 0000100143 Bank Account
 - 0000101143 Bank Atlantic
 - Accounts Receivable
 - Trade Receivables - domestic
 - C1430000110000 - 0000110999 X[X]
 - 0000110143 Accounts Receivable Reconciliation Account
 - Trade Receivables - foreign
 - Intercompany Receivables
 - Allowance for Doubtful Accounts
 - Other Receivables
 - Inventories
 - Finish Goods Inventory
 - C1430000202000 - 0000202999 X[X]
 - 0000202143 Finished Goods Inventory
 - Trading Goods
 - C1430000201000 - 0000201999 X[X]
 - Raw Materials

Control Management

Hierarchy for Cost Center

The screenshot shows the SAP 'Standard Hierarchy for Cost Centers Change' window. The hierarchy is as follows:

- Standard Hierarchy
 - ADMIN143
 - Administration
 - A005 Accounting/Finance
 - A010 Administration
 - A015 Purchasing
 - A020 Information Technology
 - SALES143
 - Sales
 - S005 Sales
 - S010 Marketing
 - DIST143
 - Distribution/Production
 - D005 Warehouse
 - D010 Production

Details for Cost Center Group Gaumard Scientific Stand Cost Hierarchy:

Group Name	Created By	Created Date	Last changed by	Last changed Date
FENIIC143 Gaumard Scientific Stand Cost Hierarchy	Gerry Tracy (GTRACY)	09/22/2006 08:24:05	BPI-143	10/12/2011 15:11:05

Standard



Cost Elements in Gaumard Scientific

Cost Element (3) 20 Entries found

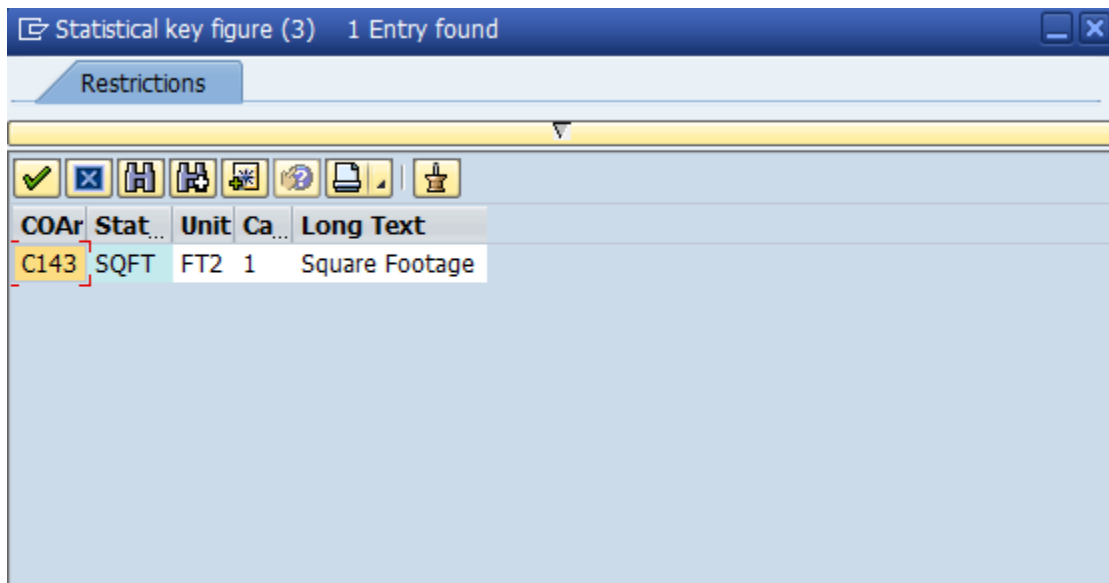
Cost element in chart of accounts | Cost element | Cost element name

Cost Ele...	ChAc	Short text	Langua...
710143	C143	LABOR EXPENSE	EN
715143	C143	MAINT REPAIR EXP	EN
720143	C143	RAW MATERIALS EXP	EN
721143	C143	TRADING GOODS EXP	EN
722143	C143	FINISHED GOODS EXP	EN
723143	C143	SEMI-FINISHED EXP	EN
724143	C143	PROCESS RAW MAT EXP	EN
731143	C143	PRD ODR SETTLE EXP	EN
740143	C143	SUPPLIES EXPENSE	EN
750143	C143	UTILITIES EXPENSE	EN
760143	C143	PUR PRICE DIFF ACCT	EN
762143	C143	PROD VAR EXP	EN
770143	C143	IT EXPENSE	EN
780143	C143	RENT EXPENSE	EN
781143	C143	MISC. EXPENSE	EN
790143	C143	COST OF GOODS SOLD	EN
800143	C143	LABOR	EN
810143	C143	ASSESSED COSTS	EN
820143	C143	INT. ORD. SETTLEMENT	EN
830143	C143	PROD ORD SETTLEMENT	EN

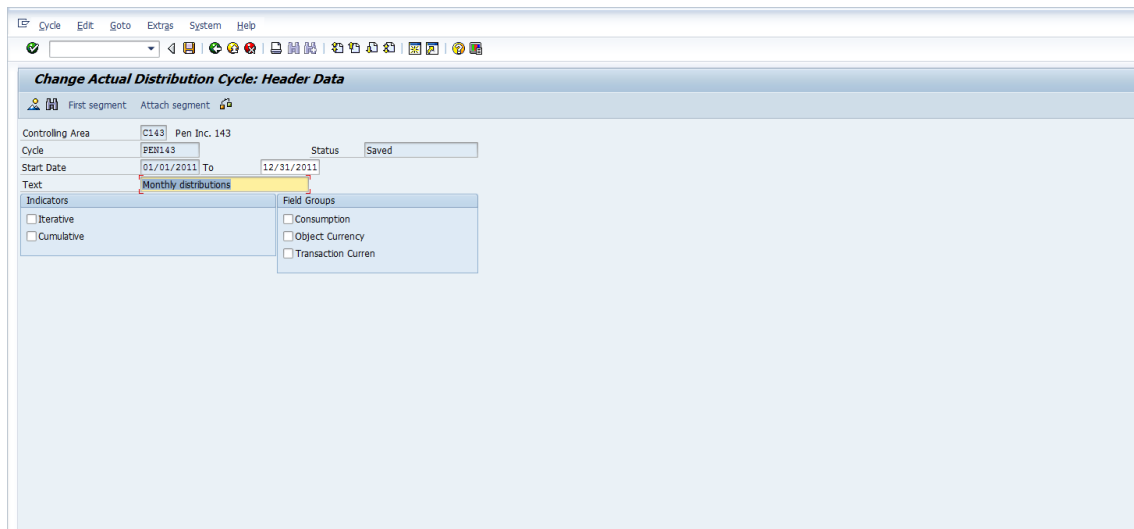
20 Entries found



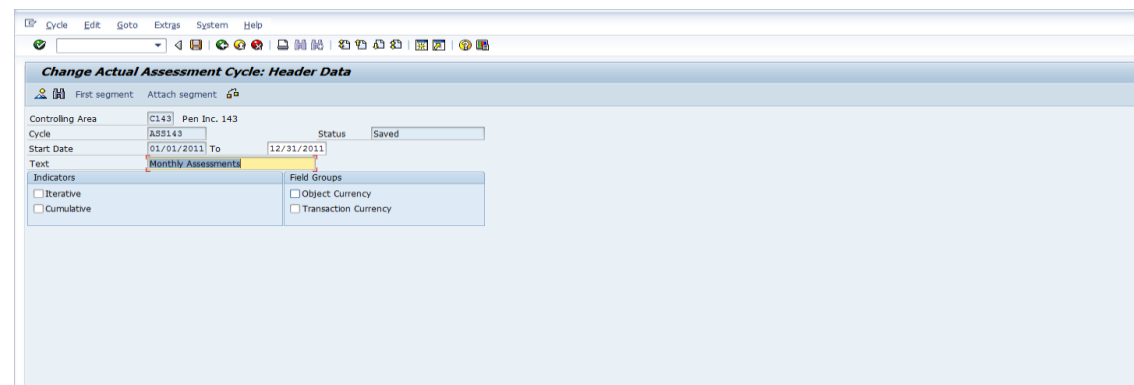
Statistical Key



Distribution Cycle



Change Assessment Cycle



Procurement Management

Vendors

Vendor Account Number (3) 7 Entries found

Vendors (General) Vendors by Country/Company Code

Country: US

City	SearchTe...	Name 1	Vendor	CoCd
BATON ROUGE	143	PREMIER PENS 143	100254	C143
CHICO	143	PROMOTIONS LTD 143	100048	C143
FLAGSTAFF	143	PEN PARTS 143	100563	C143
LEMARS	143	BOXES INC 143	100357	C143
LINCOLN	143	CHEN AND ASSOCIATE INC.	100657	C143
MILWAUKEE	143	SLICK PENS 143	100151	C143
VERMILLION	143	TANAGER LEASING 143	100460	C143

Production Management

Work Center Capacity

Work center Edit Goto Exrgs System Help

Change Work Center Capacity: Header

Intervals and Shifts Intervals Available Capacity Profile Reference Available Capacity Short Texts HRMS

Plant P143 Gaumard Scientific Inc
 Work center WC143 Assembly Line
 Capacity category 002 Standard Day Shift

General data
 Capacity planner grp A Planner group A
 Pooled capacity Grouping

Available capacity
 Factory calendar ID US Factory calendar US standard
 Active version
 Base unit of meas. H Hour

Standard available capacity
 Start 08:00:00
 Finish 17:00:00
 Length of breaks 01:00:00
 Operating time 6.80
 Capacity utilization 65
 No. of indiv. cap. 9
 Capacity 54.40

Planning details
 Relevant to finite scheduling Overload
 Can be used by several operations Long-term planning

SAP



Activity Type

Change Activity Type: Basic Screen

Activity Type: LABOR Labor Hours
 Controlling Area: C143 Pen Inc. 143
 Valid From: 01/01/2006 to: 12/31/9999

Basic data Indicators Output History

Names
 Name: Labor Hours
 Description: Labor Hours

Basic data
 Activity Unit: H Hour
 Cctr categories: F

Allocation default values
 ATyp category: 1 Manual entry, manual allocation
 Allocation cost elem: 800143 Labor
 Price indicator: 1 Plan price, automatically based on activity
 Actual qty set Average price
 Plan quantity set PreDistribFixedCosts

Variance Values for Actual Allocation
 Act. Acty. Type Cat.: As in planning
 Act. price indicator:

Activity Cost

Change Activity Type/Price Planning: Overview Screen

Version: 0 Plan/Act - Version
 Period: 1 To: 12
 Fiscal Year: 2011
 Cost Center: D010 Production

Acti...	Plan activity	Dis...	Capacity	Dis... U...	Price (Fixed)	Variable pr...	Price ...	Pl...	P...	A...	Alloc. cost...	T EquiNo	Act. sched.	L...
LABOR	100,000	2		2 H			20.00	00001	1	<input type="checkbox"/>	800143	1	1	0

Position...



Sales Management

Create Customer Shen and Associates

Display Customer: General Data

Customer: 49 Shen and Associate Inc. Vermilion

Address Control data Payment transactions Marketing Export data

Name
 Title: Dear Mr.
 Name: Shen and Associate Inc.

Search Terms
 Search term 1/2: 143

Street Address
 Street/House number:
 Postal Code/City: 57069 Vermilion
 Country: US USA Region: SD South Dakota
 Time zone: CST
 Transportation zone: 0000000001 Region East

PO Box Address
 PO Box:
 Postal code:
 Company postal code:

Communication

Customers List

Customer Account Number (2) 6 Entries found

Customers (general) Customers (by company code)

Search terms: 143

PostalC.	City	Name 1	Custo.	CoCd
19073	NEWTOWN SQUARE	SAP AMERICA	152	C143
19073	NEWTOWN SQUARE	SAP AMERICA - UAP	564	C143
33010	MIAMI	PLEASURE BOATS BUYING GRO	358	C143
57069	VERMILLION	SHEN AND ASSOCIATE INC.	49	C143
57069	VERMILLION	TANAGER LEASING	461	C143
95814	SACRAMENTO	PROMOTIONAL PRODUCTS INC	255	C143

6 Entries found



Maintain Customer Credit

Credit management Edit Goto Extras Environment System Help

Customer Credit Management Change: Status

Customer 49 Shen and Associate Inc.
 Credit control area C143 Pen Inc. Credit Control Dept. 143 USD

Credit limit data

Credit limit	25000	Receivables	0.00
Credit account		Special labil.	0.00
Credit limit used	0.00	Sales value	0.00
Credit horizon date		Credit exposure	0.00
		Sec.receivables	0.00

Internal data

Risk category		<input type="checkbox"/> Blocked
Credit rep.group		<input type="checkbox"/> Texts exist
Cust.cred.group		<input type="button" value="Texts"/>
Customer group		Last int.review
Reference date		Next int.review

External data

Cred.info number		Payment index	
Last ext.review		Rating	
Monitoring		Recmd.Cred.Lim.	

SAP

10:02 PM
10/14/2011



Human Resource Management

Gaumard Scientific Organization

The screenshot displays the SAP 'Organization and Staffing Display' for 'Pen Incorporated 143'. The main area shows a tree structure of organizational units. A 'Details for Organizational unit Pen Incorporated 143' window is open, showing account assignment information. The 'Account assignment' window includes the following data:

Controlling Area	Pen Inc. 143
Master cost center	A010 Administration
Business Area	
Company Code	C143 Gaumard Scientific Inc.
Personnel area	F143 Pen Inc Personnel Area
Pers. subarea	0001 Administration

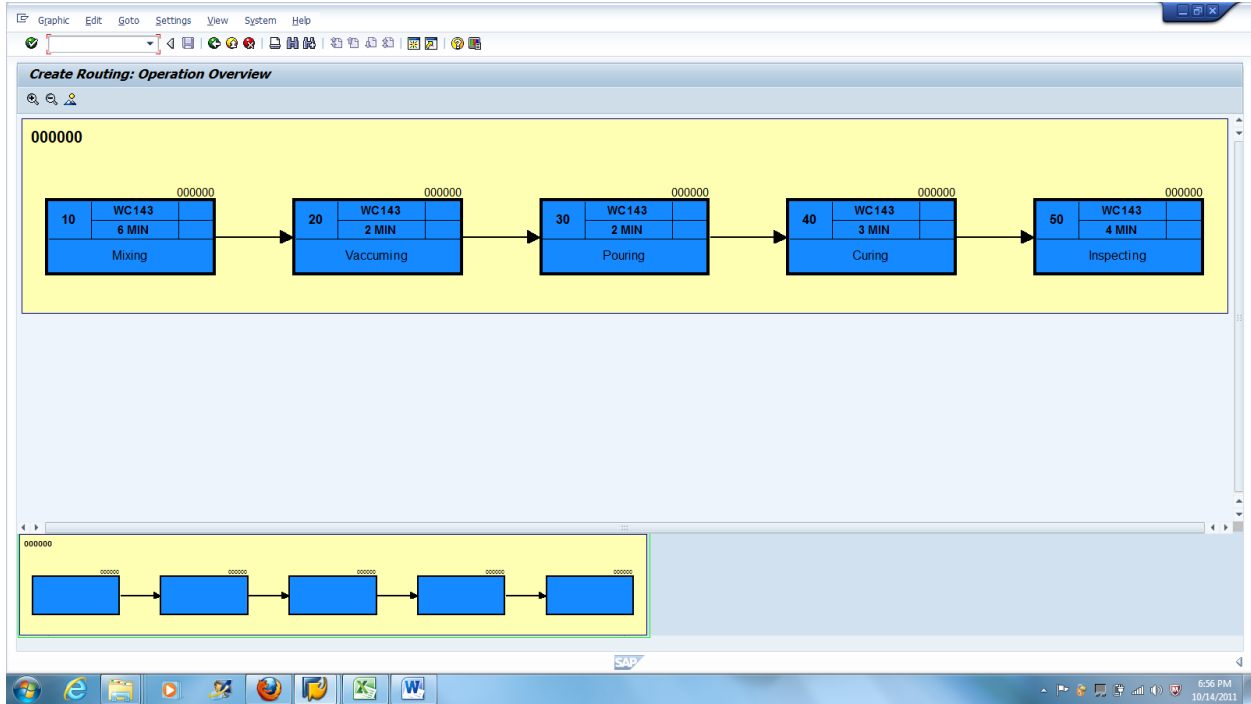
The date range is set to 01/01/2011 + 3 Months. The system clock at the bottom right shows 9:26 PM on 10/27/2011.



5 System Operations

5.1 Operations Planning

Routing was saved with group 50000260 and material BREAST



Create Routing: Operation Overview

Material: BABYSKIN, Tan Baby Skin, Grp.Count1
Sequence: 0

Op.	SOp	Cl.	O...	P...	Cumul. type	Subops ...	Base Quantity	Unit of Meas. f...	Setup	Unit	Actv...	Machine	U...	Actv...	Labor	U...	Actv...
0010							5	EA	4	MIN	LABOR				10		MIN LABOR
0020							5	EA	1	MIN	LABOR				5		MIN LABOR
0030							5	EA	1	MIN	LABOR				5		MIN LABOR
0040							5	EA	1	MIN	LABOR				10		MIN LABOR
0050							5	EA	2	MIN	LABOR				10		MIN LABOR
0060							1	EA									
0070							1	EA									
0080							1	EA									
0090							1	EA									
0100							1	EA									
0110							1	EA									
0120							1	EA									
0130							1	EA									
0140							1	EA									
0150							1	EA									
0160							1	EA									
0170							1	EA									
0180							1	EA									
0190							1	EA									
0200							1	EA									
0210							1	EA									
0220							1	EA									
0230							1	EA									

Entry 1 of 5

Routing was saved with group 50000261 and material BABYSKIN.
Operations Planning and Demand

Change Rough-Cut Plan

Product group: HEALTHCARE, Tan Breast & Baby Skin143
Plant: P143
Version: 100 Active version, Active

SOP: plan individual product group

Planning table	Un	M 10/2011	M 11/2011	M 12/2011	M 01/2012	M 02/2012	M 03/2012	M 04/2012	M 05/2012	M 06/2012	M 07/2012	M 08/2012	M 09/2012	M 10/2012	M 11/2012	M 12/2012	M 01/2013	M 02/2013	M 03/2013
Sales	EA	70	70	72	75	69	65	62	66	67	70	72	75						
Production	EA	75	70	72	75	69	65	62	66	67	70	72	75						
Stock level	EA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Target stock level	EA	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Days supply	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Target days supply	***																		



Planned indep.reqmts Edit Goto Settings Environment System Help

Plnd Ind. Reqmts Display: Planning Table

Product group HEALTHCARE Tan Breast & Baby Skin143
 Planning start 10/01/2011 Planning End 11/17/2012

Table Items Sched. lines

Material	Plnt	V	A	BU	M 10/2011	M 11/2011	M 12/2011	M 01/2012	M 02/2012	M 03/2012	M 04/2012	M 05/2012	M 06/2012	M 07/2012	M 08/2012	M 09/2012
BABYSKIN	P143	AG	<input checked="" type="checkbox"/>	EA	23	21	22	23	21	20	19	20	20	21	22	23
BREAST	P143	AG	<input checked="" type="checkbox"/>	EA	53	49	50	53	48	46	43	46	47	49	50	53

Page 1 / 1

Production Cost/Quantity

Planned indep.reqmts Edit Goto Settings Environment System Help

Plnd Ind. Reqmts Display: Schedule Lines

Product group HEALTHCARE Tan Breast & Baby Skin143
 Planning start 10/01/2011 Planning End 11/17/2012

Table Items Sched. lines

Material BABYSKIN in Baby Skin
 Plant P143 Reqmts type VSE Version/active AG / Reqmts Plan
 Plan Qty 255 EA MRP Area

P.	ReqmtDate	Planned qty	Spl.	S	Value / USD	PVer	BOMExpNo	StandardVal.	T	H
M	10/2011	23			4,830.00					
M	11/2011	21			4,410.00					
M	12/2011	22			4,620.00					
M	01/2012	23			4,830.00					
M	02/2012	21			4,410.00					
M	03/2012	20			4,200.00					
M	04/2012	19			3,990.00					
M	05/2012	20			4,200.00					
M	06/2012	20			4,200.00					
M	07/2012	21			4,410.00					
M	08/2012	22			4,620.00					
M	09/2012	23			4,830.00					

Page 1 / 1



Planned indep.reqmts Edit Goto Settings Environment System Help

Plnd Ind. Reqmts Display: Schedule Lines

Product group: HEALTHCARE Tan Breast & Baby Skin143
 Planning start: 10/01/2011 Planning End: 11/17/2012

Material: BREAST in Breast
 Plant: P143 Reqmts type: YSF Version/active: AG / Reqmts Plan:
 Plan Qty: 587 EA MRP Area:

P.	ReqmtDate	Planned qty	Spl.	S	Value / USD	PVer	BOMExpNo	StandardVal.	T	Hi
M	10/2011		53		13,250.00					
M	11/2011		49		12,250.00					
M	12/2011		50		12,500.00					
M	01/2012		53		13,250.00					
M	02/2012		48		12,000.00					
M	03/2012		46		11,500.00					
M	04/2012		43		10,750.00					
M	05/2012		46		11,500.00					
M	06/2012		47		11,750.00					
M	07/2012		49		12,250.00					
M	08/2012		50		12,500.00					
M	09/2012		53		13,250.00					

Page 1 / 1

MRP

Planning Edit Goto Settings System Help

Master Production Scheduling Planning Run

Scope of planning:
 Plant: P143

MRP control parameters

Processing key: NETCH Net change for total horizon
 Create purchase req.: 2 Purchase requisitions in opening period
 Schedule lines: 3 Schedule lines
 Create MRP list: 1 MRP list
 Planning mode: 1 Adapt planning data (normal mode)

Scheduling: 1 Basic dates will be determined for plann

Planning date: 10/14/2011
 Process MRP materials No

Process control parameters

Parallel processing
 Display list

User exit: select materials for planning
 User exit key:
 User exit parameter:



Master Production Scheduling Planning Run

MRP List Curr.lst Except.grp

Count.	Time	Lev	Plant	Material	Selection	Group
1	17.31.31	000	P143	BABYSKIN	4	7
2	17.31.31	000	P143	BREAST	4	7
3	17.31.32	001	P143	FOAM SILICONE	4	7
4	17.31.32	001	P143	FOAM SILICONE B	4	7
5	17.31.32	001	P143	FUMED SILICA	4	7
6	17.31.35	001	P143	OPEN143	4	7
7	17.31.35	001	P143	SILICONE PART C	4	7
8	17.31.35	001	P143	SILICONE PART D	4	7
9	17.31.35	001	P143	SILICONE TAN PAINT	4	7
10	17.31.35	001	P143	SILICONEA	4	7
11	17.31.35	001	P143	SILICONEB	4	7
12	17.31.36	002	P143	BAND143	4	7
13	17.31.36	002	P143	BARREL143	4	7
14	17.31.36	002	P143	CAP143	4	7
15	17.31.36	002	P143	CARTRIDGE143	4	7
16	17.31.36	002	P143	CLIP143	4	7
17	17.31.36	002	P143	CROWN143	4	7
18	17.31.36	999	P143	BREN143	6	7
19	17.31.36	999	P143	DEEN143	6	7
20	17.31.36	999	P143	PENCIL143	6	7

Statistics

Materials planned: 20
 Materials with New Exceptions: 19
 Materials with Termination MRP List:

Parameters

Scope of Planning: P143
 Processing Key: NETCH
 Create Purchase Requisition: 2
 SA Schedule Line: 3
 Create MRP List: 1
 Planning Mode: 1

Itemized MRP List

MRP List as of 10/14/2011, 19:31 hrs

Show Overview Tree On

Material: **BABYSKIN** Tan Baby Skin
 Plant: P143 MRP type: MI Material Type: FERT Unit: EA

A. Date	MRP ...	MRP element data	Reschedul...	E... Receipt/Reqmt	Available Qty
10/14/2011	Stock				0
10/01/2011	IndReq	VSF			23-
10/24/2011	End of Planning Tim...				
10/24/2011	PldOrd	0000011763/STCK	10/01/2011	30	23
11/01/2011	PldOrd	0000011764/STCK		01	21
11/01/2011	IndReq	VSF			21-
12/01/2011	PldOrd	0000011765/STCK		01	22
12/01/2011	IndReq	VSF			22-
01/01/2012	PldOrd	0000011766/STCK		01	23
01/01/2012	IndReq	VSF			23-
02/01/2012	PldOrd	0000011767/STCK		01	21
02/01/2012	IndReq	VSF			21-
03/01/2012	PldOrd	0000011768/STCK		01	20
03/01/2012	IndReq	VSF			20-
04/01/2012	PldOrd	0000011769/STCK		01	19
04/01/2012	IndReq	VSF			19-
05/01/2012	PldOrd	0000011770/STCK		01	20
05/01/2012	IndReq	VSF			20-
06/01/2012	PldOrd	0000011771/STCK		01	20
06/01/2012	IndReq	VSF			20-
07/01/2012	PldOrd	0000011772/STCK		01	21
07/01/2012	IndReq	VSF			21-

Page 1 / 2



5.2 Human Resources Operations



Gaumard®

Simulators for Health Care Education

Introducing...

Order yours today!!!
Ctaru002@FIU.edu

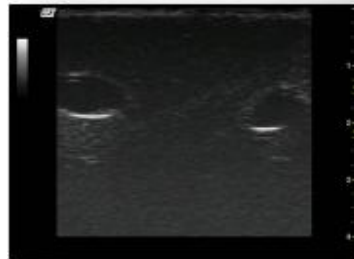
Phantom Breast

Regular
NOW ONLY

~~\$500.00~~
\$459.00*

- Visualize cysts and masses using REAL ultrasound equipment
- Learn to do ultrasound guided needle aspiration in a relaxed environment before moving onto actual patients
- Left breast contains three cysts and six masses randomly placed in the breast and axilla
- Right breast contains ten cysts of different sizes and depths.
- Realistic texture and look
- Self-Healing skin
- Breasts easily removed and assembled
- Use in either the upright or reclining position
- Indiscernible masses and cysts prompt students to resort to ultrasound imaging
- Medium skin tone standard
- Light or dark skin tone optional at no extra cost
- Soft carrying bag
- User Guide, containing technical information on how to care for and maintain the simulator

*When you order today.



**FREE SHIPPING
WHEN YOU
MENTION THIS AD**



Professional Masters of Engineering Management
Engineering Department – Florida International University



Gaumard®

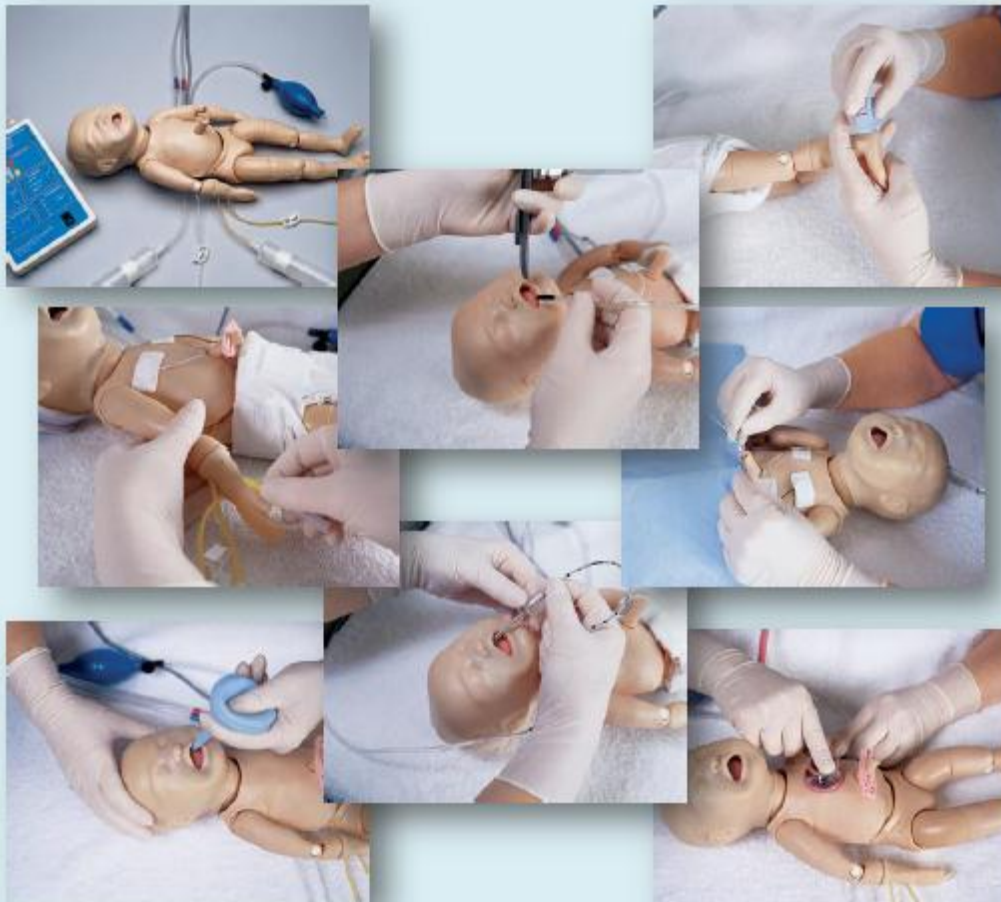
Simulators for Health Care Education

Introducing...

Order yours today!!!

Ctaru002@FIU.edu

Preemie Hal Replacement Skin



Regular
NOW ONLY

\$600.00
\$549.00*

- 28 week articulating PREMIE
- Realistic airway with tongue, vocal cords, trachea, and esophagus for airway management exercises
- Heart, lungs, airway and ribs
- Simulate "heel stick" maneuver for capillary blood sample
- BVM or CPR exercises
- Intubation plus suctioning
- Bilateral lung expansion with realistic chest rise
- View peripheral and central cyanosis as well as healthy skin tone
- Use monitor to select rates of improvement and deterioration
- Watch skin color change in response to the efforts of your student
- Pulse umbilicus using squeeze bulb
- Practice placement of umbilical lines
- Simulate CPR with either two-thumb "encircling" technique or two finger alternate compression method
- Practice delicate intraosseous access
- Practice injection and intravenous techniques

*When you order today.



Professional Masters of Engineering Management
Engineering Department – Florida International University

5.3 Procurement Operations

Procurement Operations

Stock/Requirements List as of 20:35 hrs

Material: SILICONEA, Silcone Part A
 Plant: F143, MRP type: PD, Material Type: ROH, Unit: EA

A. Date	MRP ...	MRP element data	Reschedul... E... Receipt/Reqmt	Available Qty
10/14/2011	Stock		Rescheduling date	0
10/21/2011	PurReq	0010000301/00000		53
10/21/2011	DepReq	BREAST		53-
10/29/2011	PdOrd	0000011863/STPO		49
10/29/2011	DepReq	BREAST		49-
11/28/2011	PdOrd	0000011864/STPO		50
11/28/2011	DepReq	BREAST		50-
12/29/2011	PdOrd	0000011865/STPO		53
12/29/2011	DepReq	BREAST		53-
01/29/2012	PdOrd	0000011866/STPO		48
01/29/2012	DepReq	BREAST		48-
02/27/2012	PdOrd	0000011867/STPO		46
02/27/2012	DepReq	BREAST		46-
03/29/2012	PdOrd	0000011868/STPO		43
03/29/2012	DepReq	BREAST		43-
04/28/2012	PdOrd	0000011869/STPO		46
04/28/2012	DepReq	BREAST		46-
05/29/2012	PdOrd	0000011870/STPO		47
05/29/2012	DepReq	BREAST		47-
06/28/2012	PdOrd	0000011871/STPO		49
06/28/2012	DepReq	BREAST		49-
07/29/2012	PdOrd	0000011872/STPO		50

Stock/Requirements List as of 20:35 hrs

Material: SILICONEA, Silcone Part A
 Plant: F143, MRP type: PD, Material Type: ROH, Unit: EA

A. Date	MRP ...	MRP element data	Reschedul... E... Receipt/Reqmt	Available Qty
10/14/2011	Stock			0
10/21/2011	PurReq	0010000301/00000		53
10/21/2011	DepReq	BREAST		53-
10/21/2011	DepReq	BREAST		49
10/21/2011	DepReq	BREAST		50
10/21/2011	DepReq	BREAST		50
10/21/2011	DepReq	BREAST		53
10/21/2011	DepReq	BREAST		48
10/21/2011	DepReq	BREAST		0
10/21/2011	DepReq	BREAST		46
10/21/2011	DepReq	BREAST		46-
10/21/2011	DepReq	BREAST		43
10/21/2011	DepReq	BREAST		43-
10/21/2011	DepReq	BREAST		46
10/21/2011	DepReq	BREAST		46-
10/21/2011	DepReq	BREAST		47
10/21/2011	DepReq	BREAST		47-
10/21/2011	DepReq	BREAST		49
10/21/2011	DepReq	BREAST		49-
10/21/2011	DepReq	BREAST		50

Additional Data for MRP Element

Purch.Req.: 0010000301/000000
 Quantity: 53
 EA
 Vendor:

Planned dates: 10/21/2011
 Delivery Date: 10/21/2011
 Release Date: 10/18/2011

Buttons: Purchase Order



Create Purchase Order

The screenshot displays the SAP 'Create Purchase Order' (ME21N) transaction. The interface is divided into several sections:

- Document Overview:** Shows the document type as 'Standard PO', vendor as '100657 Chen and Associate Inc.', and document date as '10/14/2011'. It also includes a 'Vendor/SupplySrc/Category/Object' tree on the left.
- EnjaysAP: Purchase Order:** A text area providing user interface instructions for the new purchase order transaction, including details on data display, screen areas, faulty items, and further functions like 'Self-Definable Document Overview' and 'Fast and Straightforward Access to Relevant Data'.
- Pricing Elements:** A table showing the calculation of the net price.

N...	ChTy	Name	Amount	Qty	per	U...	Condition value	Curr.	Status	Condition value	CdCur	S...
0		FBXX Gross Price	25,000.00				25,000.00	USD		0.00		
		Net value incl. disc					25,000.00	USD		0.00		
0		BAVS Non-Deductible Tax	0.00				0.00	USD		0.00		
		Net value incl. tax					25,000.00	USD		0.00		
0		SKTO Cash Discount	0.000				0.00	USD		0.00		
		Actual price					25,000.00	USD		0.00		
- Item List:** A table listing the materials to be purchased.

S...	Item	A	I	Material	Short Text	PO Quantity	O...	C	Delv. Date	Net Price	Curr...	Per	O...	Matl Group	Plant
10				SILICONEA	Silicone Part A	100	EA	D	10/21/2011	95.00	USD	1	EA	Material gro.	Gaumard Scientf
20				SILICONEB	Silicone Part B	100	EA	D	10/17/2011	95.00	USD	1	EA	Material gro.	Gaumard Scientf
30				FOAM SILICONE	Foam Silcone Part A	100	EA	D	10/17/2011	20.00	USD	1	EA	Material gro.	Gaumard Scientf
40				FOAM SILICONE_B	Foam Silcone Part B	100	EA	D	10/17/2011	20.00	USD	1	EA	Material gro.	Gaumard Scientf
50				SILICONE TAN PAINT	Silicone "Tan Paint"	100	EA	D	10/17/2011	10.00	USD	1	EA	Material gro.	Gaumard Scientf
60				FUMED SILICA	Fumed Silca Powder	100	EA	D	10/17/2011	10.00	USD	1	EA	Material gro.	Gaumard Scientf



Stock/Requirements List as of 20:35 hrs

Material: SILICONEA, Silcone Part A
Plant: P143, MRP type: PD, Material Type: BOB, Unit: EA

A. Date	MRP ...	MRP element data	Reschedu...	E... Receipt/Reqmt	Available Qty
10/14/2011	Stock				0
10/21/2011	PurReq	0010000301/00000		53	53
10/21/2011	DepReq	BREAST		53-	0
10/29/2011	PdOrd	0000011863/STPO		49	49
10/29/2011	DepReq	BREAST		49-	0
11/28/2011	PdOrd	0000011864/STPO		50	50
11/28/2011	DepReq	BREAST		50-	0
12/29/2011	PdOrd	0000011865/STPO		53	53
12/29/2011	DepReq	BREAST		53-	0
01/29/2012	PdOrd	0000011866/STPO		48	48
01/29/2012	DepReq	BREAST		48-	0
02/27/2012	PdOrd	0000011867/STPO		46	46
02/27/2012	DepReq	BREAST		46-	0
03/29/2012	PdOrd	0000011866/STPO		43	43
03/29/2012	DepReq	BREAST		43-	0
04/28/2012	PdOrd	0000011869/STPO		46	46
04/28/2012	DepReq	BREAST		46-	0
05/29/2012	PdOrd	0000011870/STPO		47	47
05/29/2012	DepReq	BREAST		47-	0
06/28/2012	PdOrd	0000011871/STPO		49	49
06/28/2012	DepReq	BREAST		49-	0
07/29/2012	PdOrd	0000011872/STPO		50	50

Page 1 / 2

Goods Receipt for PO 450000036

Goods Receipt Purchase Order 450000036 - BPI-143

Document Date: 10/14/2011, Delivery Note: , Vendor: Chen and Associate Inc.
Posting Date: 10/14/2011, Bill of Lading: , HeaderText:

Line	Mat. Short Text	OK	Qty in UoE	E...	S...	Sloc	Batch	Valuation ...	M...	D Stock Type	Phnt	S...	Customer
1	Silicone Part A	<input checked="" type="checkbox"/>	100	EA						101 + Unrestrict...	Gaumard Sci.		
2	Silicone Part B	<input checked="" type="checkbox"/>	100	EA						101 + Unrestrict...	Gaumard Sci.		
3	Foam Silicone Part A	<input checked="" type="checkbox"/>	100	EA						101 + Unrestrict...	Gaumard Sci.		
4	Foam Silicone Part B	<input checked="" type="checkbox"/>	100	EA						101 + Unrestrict...	Gaumard Sci.		
5	Silicone "Tan Paint"	<input checked="" type="checkbox"/>	100	EA						101 + Unrestrict...	Gaumard Sci.		
6	Fumed Silca Powder	<input checked="" type="checkbox"/>	100	EA						101 + Unrestrict...	Gaumard Sci.		

Material: Silicone Part A, Vendor Material No.: , Material Group: 01



Invoice

Enter Incoming Invoice: Company Code C143

Transaction: Invoice Balance: 0.00 USD

Basic data Payment Details Tax Contacts Note

Invoice date: 10/14/2011 Reference: _____
 Posting Date: 10/14/2011
 Amount: 25,000.00 USD Calculate tax
 Tax amount: _____ XI (Input Tax)
 Text: _____
 Paymt terms: Due immediately
 Baseline Date: 10/14/2011
 Company Code: C143 Gaumard Scientific Inc. Vermillon

Vendor 0000100657
 Chen and Associate Inc.
 Address: 68516

Purchase Order/Scheduling Agreement: 450000036 Goods/service items: _____

Item	Amount	Quantity	U...	Purchase ...	Item	Smart Number	PO Text
1	9,500.00	100	EA	450000036	10		Silicone Par
2	9,500.00	100	EA	450000036	20		Silicone Par
3	2,000.00	100	EA	450000036	30		Foam Silco
4	2,000.00	100	EA	450000036	40		Foam Silco
5	1,000.00	100	EA	450000036	50		Silicone "T
6	1,000.00	100	EA	450000036	60		Fumed Silc

Document no. 5105600827 created

Post Payment to the vendor

Post Outgoing Payments Process open items

Distribute diff. Charge off diff. Editing options Cash Disc. Due

Standard Partial Pmt Res.items Withhldg tax

Account items 100657 Chen and Associate Inc.

Document...	D...	Document...	P...	Bu...	Da...	USD Gross	Cash disct	Cash...
510000002	RE	10/14/2011	31	0		25,000.00-		

Editing status

Number of items: 1 Amount entered: 25,000.00-
 Display from item: 1 Assigned: 25,000.00-
 Reason code: _____ Difference postings: _____
 Display in clearing currency: Not assigned 0.00

Document 1500000002 was posted in company code C143



5.3 Production Operations

Production

Convert Planned Order to Production Order

Stock/Requirements List as of 21:58 hrs

Material: BREAST, Plant: P143, MRP type: M1, Material Type: FERT, Unit: EA

A. Date	MRP ...	MRP element data	Reschedu...	E...	Receipt/Reqmt	Available Qty
10/14/2011	Stock					0
10/01/2011	IndReq	VSF			53-	53-
10/24/2011			END OF PLANNING TIM...			
10/24/2011	PdOrd	0000011775/STCK			53	0
11/01/2011	PdOrd	0000011776/STCK			49	49
11/01/2011	IndReq	VSF			49-	0
12/01/2011	PdOrd	0000011777/STCK			50	50
12/01/2011	IndReq	VSF			50-	0
01/01/2012	PdOrd	0000011778/STCK			53	53
01/01/2012	IndReq	VSF			53-	0
02/01/2012	PdOrd	0000011779/STCK				
02/01/2012	IndReq	VSF				
03/01/2012	PdOrd	0000011780/STCK				
03/01/2012	IndReq	VSF				
04/01/2012	PdOrd	0000011781/STCK				
04/01/2012	IndReq	VSF				
05/01/2012	PdOrd	0000011782/STCK				
05/01/2012	IndReq	VSF			46-	0
06/01/2012	PdOrd	0000011783/STCK			47	47
06/01/2012	IndReq	VSF			47-	0
07/01/2012	PdOrd	0000011784/STCK			49	49
07/01/2012	IndReq	VSF			49-	0

Additional Data for MRP Element:

Pind order: 0000011775, Make-to-stock, Order finish: 10/24/2011, GR ProcTime: 0
 Order qty: 53, EA, Order start: 10/21/2011, Proc. type: E
 Scrap: 0, Planned opening: 10/16/2011, Order type: IA

Actions: >> Prod.ord., >> PartConvProdOrder, >> Proc.ord., >> SubProcOrd, >> Pur.req.

Review Routing for Production Order

Production Order Create: Operation Overview

Order: 000000000001, Material: BREAST, Tan Breast, Type: PPG1, Plant: P143, Sequence: 0, Standard

Op.	SOp	Start	Work C...	Plant Co...	StdText	Operation short text	T...	SysStatus	User Stat	CO...	PRT	TP	D...	End	Operation Qty
0010		10/21/2011 11:30:31	WC143	P143	ASSY	Mixing		REL						10/21/2011	10
0020		10/21/2011 12:43:19	WC143	P143	ASSY	Vacuuming		REL						10/21/2011	10
0030		10/21/2011 13:19:42	WC143	P143	ASSY	Pouring		REL						10/21/2011	10
0040		10/21/2011 13:56:05	WC143	P143	ASSY	Curina		REL						10/21/2011	10
0050		10/21/2011 15:07:33	WC143	P143	ASSY	Furned Silica Cyst Placem.		REL						10/21/2011	10
0060		10/21/2011 15:45:16	WC143	P143	ASSY	Mexina 2nd		REL						10/21/2011	10
0070		10/21/2011 16:58:04	WC143	P143	ASSY	Pouring 2nd		REL						10/22/2011	10
0080		10/22/2011 08:34:27	WC143	P143	ASSY	Curina 2nd		REL						10/22/2011	10
0090		10/22/2011 09:45:55	WC143	P143	ASSY	Mexina 3rd		REL						10/22/2011	10
0100		10/22/2011 10:58:43	WC143	P143	ASSY	Vacuuming 2nd		REL						10/22/2011	10
0110		10/22/2011 11:35:06	WC143	P143	ASSY	Pouring 3d		REL						10/22/2011	10
0120		10/22/2011 12:11:29	WC143	P143	ASSY	Curina 3rd		REL						10/22/2011	10
0130		10/22/2011 13:22:57	WC143	P143	ASSY	Painting		REL						10/22/2011	10
0140		10/22/2011 14:37:04	WC143	P143	ASSY	Curino		REL						10/22/2011	10
0150		10/22/2011 15:48:32	WC143	P143	ASSY	Inspecting		REL						10/22/2011	10
0160		00:00:00		P143											
0170		00:00:00		P143											
0180		00:00:00		P143											
0190		00:00:00		P143											
0200		00:00:00		P143											
0210		00:00:00		P143											
0220		00:00:00		P143											

Components: PRT, Trigger points



Components requirements for this Production Order

Production Order Create: Component Overview

Order: %000000000001 Type: PFG1
 Material: BREAST Tan Breast Plant: P143

Item	Component	Description	Reqmt Qty	U.	L.	Op...	Se...	Plant	St...	Batch	A...	B...	S...	D...	C...	P...	D...	B...	T...	Fl...
0010	SILICONEA	Silicone Part A	100	EA	L	0010	0	P143			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0020	SILICONEB	Silicone Part B	100	EA	L	0010	0	P143			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0060	FUMED SILICA	Fumed Silica Powder	100	EA	L	0050	0	P143			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0030	FOAM SILICONE	Foam Silicone Part A	100	EA	L	0060	0	P143			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0040	FOAM SILICONE B	Foam Silicone Part B	100	EA	L	0060	0	P143			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
0050	SILICONE TAN PAINT	Silicone "Tan Paint"	100	EA	L	0130	0	P143			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Item Cost for Production

Display Itemization

Order: %000000000001
 Material: BREAST Tan Breast
 Plant: P143 Gaumard Scientific Inc
 Lot Size: 100 EA each
 Cost Base: 100 EA each

Item	Resource	Cost Eleme	Total Value	Fixed Value	COC	Quantity	Un
1	E D010 WC143 LABOR	800143	0.66	0.00	USD	2	MIN
2	E D010 WC143 LABOR	800143	33.34	0.00	USD	1.667	H
3	M P143 SILICONEA	720143	9,500.00	0.00	USD	100	EA
4	M P143 SILICONEB	720143	9,500.00	0.00	USD	100	EA
5	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
6	E D010 WC143 LABOR	800143	16.66	0.00	USD	0.833	H
7	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
8	E D010 WC143 LABOR	800143	16.66	0.00	USD	0.833	H
9	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
10	E D010 WC143 LABOR	800143	33.34	0.00	USD	1.667	H
11	E D010 WC143 LABOR	800143	0.66	0.00	USD	2	MIN
12	E D010 WC143 LABOR	800143	16.66	0.00	USD	0.833	H
13	M P143 FUMED SILICA	720143	1,000.00	0.00	USD	100	EA
14	E D010 WC143 LABOR	800143	0.66	0.00	USD	2	MIN
15	E D010 WC143 LABOR	800143	33.34	0.00	USD	1.667	H
16	M P143 FOAM SILICONE	720143	2,000.00	0.00	USD	100	EA
17	M P143 FOAM SILICONE B	720143	2,000.00	0.00	USD	100	EA
18	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
19	E D010 WC143 LABOR	800143	16.66	0.00	USD	0.833	H
20	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
21	E D010 WC143 LABOR	800143	33.34	0.00	USD	1.667	H
22	E D010 WC143 LABOR	800143	0.66	0.00	USD	2	MIN
23	E D010 WC143 LABOR	800143	33.34	0.00	USD	1.667	H
24	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
25	E D010 WC143 LABOR	800143	16.66	0.00	USD	0.833	H
26	E D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN
27	E D010 WC143 LABOR	800143	16.66	0.00	USD	0.833	H
28	F D010 WC143 LABOR	800143	0.34	0.00	USD	1	MIN



Item	Plant	Material	Quantity	Unit	Value	Unit Price	Currency	Category
28	E D010	WC143	LABOR	800143	0.34	0.00	USD	1 MIN
29	E D010	WC143	LABOR	800143	33.34	0.00	USD	1.667 H
30	E D010	WC143	LABOR	800143	1.00	0.00	USD	0.050 H
31	E D010	WC143	LABOR	800143	33.34	0.00	USD	1.667 H
32	H P143	SILICONE TAN PAINT	720143		1,000.00	0.00	USD	100 EA
33	E D010	WC143	LABOR	800143	0.34	0.00	USD	1 MIN
34	E D010	WC143	LABOR	800143	33.34	0.00	USD	1.667 H
35	E D010	WC143	LABOR	800143	0.34	0.00	USD	1 MIN
36	E D010	WC143	LABOR	800143	33.34	0.00	USD	1.667 H
37	H P143	BREAST	731143		25,000.00	0.00	USD	100 EA
					407.06	0.00	USD	

Goods Issue for Production Order

Goods Issue: Initial Screen

Document Date: 10/14/2011 Posting Date: 10/14/2011

Material Slip:

DocHeader Text:

Defaults for Document Items

Movement Type: 261	Special Stock: <input type="checkbox"/>
Plant: P143	Reason for Movement: <input type="text"/>
Storage Location: 30	Suggest Zero Lines: <input type="checkbox"/>

GR/GI Slip

Print Individual Slip

Indv. Slip w. Inspect. Text

Collective Slip



The screenshot shows the SAP 'Enter Goods Issue: Initial Screen' interface. The main window contains fields for Document Date (10/14/2011), Posting Date (10/14/2011), Material Slip, Doc. Header Text, Defaults for Document Items (Movement Type: 261, Plant: P143, Storage Location: 30), and GR/GI Slip options. A 'Reference: Order' dialog box is open, displaying a table of orders with columns for Order, SLoc, S, By-Prds, Op. sel., FI#, and Extended. The first row is highlighted with Order 1000062. Below the table is a 'Find reservations' section with fields for Material, Plant (P143), Requirement Date, and By-Products. The SAP taskbar at the bottom shows the time as 11:54 PM on 10/14/2011.

The screenshot shows the SAP 'Enter Goods Issue: Overview' interface. The main window displays a table of items with columns for Item, Quantity, EOn, Material, P143, SLoc, Batch, Re, Mvt, S, and FI#. The table lists six items, each with a quantity of 100 and a reservation number of 1291. The items are: 1. SILICONEA (Silicone Part A), 2. SILICONEB (Silicone Part B), 3. FOAM SILICONE (Foam Silicone Part A), 4. FOAM SILICONE B (Foam Silicone Part B), 5. SILICONE TAN PAINT (Silicone "Tan Paint"), and 6. FUMED SILICA (Fumed Silica Powder). The SAP taskbar at the bottom shows the time as 11:58 PM on 10/14/2011.

Item	Quantity	EOn	Material	P143	SLoc	Batch	Re	Mvt	S	FI#
1	100	EA	SILICONEA Silicone Part A	P143	10	1291	1	261		-
2	100	EA	SILICONEB Silicone Part B	P143	10	1291	2	261		-
3	100	EA	FOAM SILICONE Foam Silicone Part A	P143	10	1291	3	261		-
4	100	EA	FOAM SILICONE B Foam Silicone Part B	P143	10	1291	4	261		-
5	100	EA	SILICONE TAN PAINT Silicone "Tan Paint"	P143	10	1291	5	261		-
6	100	EA	FUMED SILICA Fumed Silica Powder	P143	10	1291	6	261		-

Goods Receipts for Finished Goods of the Production order



Goods Receipt for Order: Initial Screen

Adopt + Details To Order... WM Parameters...

Document Date: 10/14/2011 Posting Date: 10/14/2011

Delivery Note:

Doc. Header Text:

Defaults for Document Items

Movement Type: 101

Order: 1000068

Plant: P143 Reason for Movement:

Stor. Location: 10 Suggest Zero Lines

GR/GI Slip

Print

Individual Slip

Indv.Slp w. Inspect. Text

Collective Slip

Goods Receipt for Order: Overview 0001 / 0001

To Order...

Posting Date: 10/14/2011

Item	Quantity	EO: Material	Plant	StLoc	Order	C
		EO: Material Description	Batch	Re	Mvt	S S
1	100	EA BREAST	P143	10	1000068	<input checked="" type="checkbox"/>
		Tan Breast				101 +



Report Edit Goto View Extras Settings System Help

Orders: Actual/Plan/Variance

Orders: Actual/Plan/Variance Date: 10/14/2011 20:39:23 Page: 2 / 2

Order/Group 1000068 000001000068
 Fiscal year 2011
 Period 1 - 10

Cost Elements	Actual	Plan	Var. (Abs.)	Var. (\$)
720143 Raw Materials Exp	25,000.00	25,000.00		
800143 Labor	407.06	407.06		
* Costs	25,407.06	25,407.06		
731143 Prd Odr Settle Exp	407.06-		407.06-	
* Settled Costs	407.06-		407.06-	
731143 Prd Odr Settle Exp	25,000.00-	25,000.00-		
* Deliveries to Stock	25,000.00-	25,000.00-		
** Balance		407.06	407.06-	100.00-

SAP

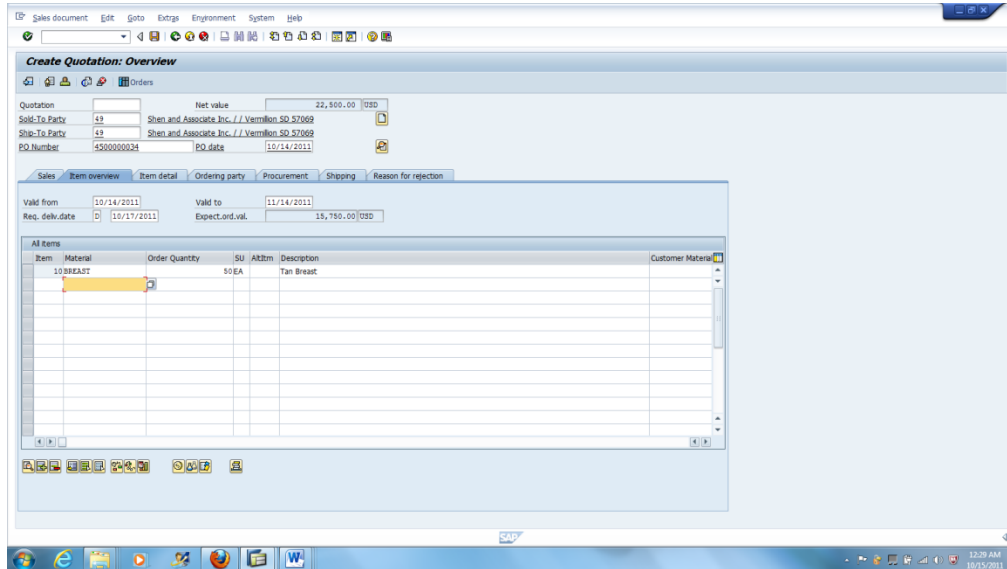
12:12 AM
10/15/2011



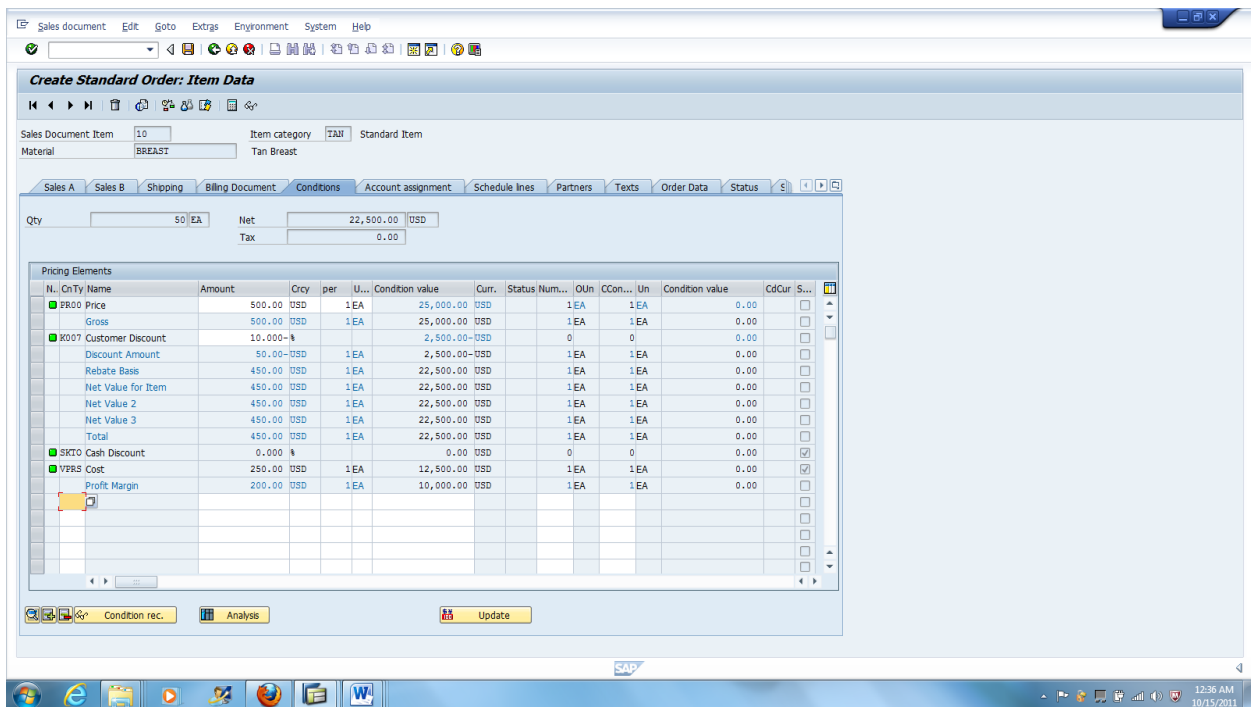
5.4 Sales Operations

Sales Operation

Create Quotation



Create Sales Order



Outbound Delivery

Outbound Delivery Create: Overview

Post Goods Issue

Outbound delv. [] Document Date 10/14/2011
 Ship-to party 49 Shen and Associate Inc. // Vermillon SD 57069

Item Overview | Picking | Loading | Transport | Status Overview | Goods Movement Data

Pick Date/Time 10/17/2011 00:00:00 OverallPickStatus A Not yet picked
 Warehouse No. [] OverallWMStatus [] No WM trnsf ord reqd

Item	Material	PInt	SLoc	Delv. Qty	Un	Picked Qty	Un	Batch	B.	P	V	Stag. Date	Mat.	Val. Type	Description
10	BREAST	P143	10		EA			EA				10/17/2011 00:00:00			Tan Breast

Buttons: Batch Split, Main Items, All Items

Windows Taskbar: 12:42 AM, 10/15/2011

Goods Issue

Display Material Document 4900001585: Overview

Details from Item | Material | Accounting Documents...

Posting Date 10/14/2011 Mat. Slp 0080000034 Name BFI-143

Item	Quantity	EDs	Material	PInt	SLoc	Batch	Re	MvT	S	S	Reserv.No.	Item	FI#
1	50		BREAST	P143	10						601		

Windows Taskbar: 8:33 PM, 10/21/2011



Bill Customer

The screenshot shows the SAP Billing document interface for 'Create: Overview of Billing Items'. The window title is 'Billing document' and the menu includes 'Edit', 'Goto', 'Environment', 'System', and 'Help'. The main area displays the following details:

- Invoice:** 4900000001
- Net Value:** 22,500.00 USD
- Payer:** 49
- Billing Date:** 10/14/2011
- Company Name:** Shen and Associate Inc. / / US - 57069 Vermilion

Below the details is a table with the following columns: Item, Description, Billed Quantity, SU, Net value, Material, and Cost.

Item	Description	Billed Quantity	SU	Net value	Material	Cost
10	Tan Breast		50EA	22,500.00	BREAST	12,500.00

The bottom of the window shows the SAP logo and a Windows taskbar with the time 12:46 AM on 10/15/2011.

The screenshot shows the SAP Billing document interface for 'Create Billing Document'. The window title is 'Billing document' and the menu includes 'Edit', 'Goto', 'Settings', 'System', and 'Help'. The main area displays the following details:

- Default data:** Billing Type, Billing Date, Serv.rendered, Pricing date
- Docs to be processed:** Document, Item, SD document categ., Processing status, Bill

The bottom of the window shows a status message: 'Document 90000033 has been saved' and the SAP logo. The Windows taskbar shows the time 12:47 AM on 10/15/2011.



Invoice to Customer



IDES Holding AG, Postfach 16 06 29, D-60070 Frankfurt/M

Dear Mr. Shen and Associate Inc.
 VERMILLION SD 57069
 USA



Invoice

Repeat Print

Payment Information

Doc. No./Date 90000033/ 10/14/2011
Delivery Note No./Date 80000034/ 10/14/2011
Order No./Date 37/ 10/14/2011
Reference No./Date 4500000034/ 10/14/2011
Customer 49
Currency USD
Invoice Amount 22,500.00

Conditions
Payment Up to 10/14/2011 without deduction

Weight - Volume
Gross Weight 150 KG
Net Weight 150 KG

Delivery FOB
 Origin Shipping Dock

Invoice Details

Item	Material Description	Quantity	Price	Price Unit	Value
000010	BREAST Tan Breast	50 EA			
	Gross		500.00 USD	1 EA	25,000.00
	Customer Discount		10.00- %		2,500.00-
	Net Value for Item		450.00 USD	1 EA	22,500.00
	Invoice Amount				22,500.00
	Amount Eligible for Cash				22,500.00



Post Receipt of Customer Payment

Account Items 49 Shen and Associate Inc.

Document...	D.	Da...	USD Gross	Cash disct	Cash...
90000001	RV	10/14/2011 01	22,500.00		

Editing status

Number of items	1	Amount entered	22,500.00
Display from item	1	Assigned	22,500.00
Reason code		Difference postings	
Display in clearing currency		Not assigned	0.00

1 items were selected

Document 1400000001 was posted in company code C143

List of Sales Orders

Doc. date 09/20/2011 To 10/20/2011

SD Doc.	Item	SI/No	S	Description	SaTV	Doc. Date	ConfirmQty	PO Number	PO number	Batch	Valid from	Valid to	Delivery Date	Created	BB	Sold-to pt	Exch. Rate	Order qty	SLoc	DIB	Material	Unit	Name 1	Cust. price	per	UoM	CdC
37	10	1		Tan Breast	OR	10/14/2011	50	4500000034	4500000034				10/17/2011	BPF143	49	1.00000	50				BREAST	EA	Shen and Associate Inc.	0.00	0		
21	10	1		Barrel Pen	OR	09/24/2011	450	12345	12345				09/27/2011	BPF143	152	1.00000	450				BPEN143	EA	SAP America	0.00	0		



Document Flow

Document	Quantity	Unit	Ref. value	Currency	On	Status
Quotation 0020000008 / 10	50	EA	22,500.00	USD	10/15/2011	Completed
Standard Order 0000000037 / 10	50	EA	22,500.00	USD	10/15/2011	Completed
Outbound Delivery 0080000034 / 10	50	EA			10/15/2011	Completed
Picking request 20111014 / 10	50	EA			10/15/2011	Completed
GD goods issued/deliv 4900001585 / 1	50	EA	12,500.00	USD	10/15/2011	complete
Invoice 0090000033 / 10	50	EA	22,500.00		10/15/2011	FI doc. generated
Accounting document 0090000001	50	EA			10/15/2011	Cleared



Financial Statements

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 21:41:48 Date 10/14/2011
 Vermillion RFBILA00/BFI-143 Page 3

Company code C143 Business area **** Amounts in USD

C	Comp	Bus.	Texts	Reporting period	Comparison period	Absolute	Rel	SuSta
F	code	area		(01.2011-16.2011)	(01.2010-16.2010)	difference	dif	level
			NET SALES					
			600143 Sales Revenue	490.50-	0.00	490.50-		
			* Revenue	490.50-	0.00	490.50-		*7*
			** TOTAL NET SALES	490.50-	0.00	490.50-		*6*
			COST OF GOODS SOLD					
			790143 Cost of Goods Sold Expense	292.50	0.00	292.50		
			* Cost of Goods Sold	292.50	0.00	292.50		*7*
			720143 Raw Materials Consumption/Expense	637.27	0.00	637.27		
			* SAF Manufacturing Clearing Accounts	637.27	0.00	637.27		*7*
			731143 Production Order Settle Expense	1,502.29-	0.00	1,502.29-		
			* Inventory Reserves	1,502.29-	0.00	1,502.29-		*7*
			762143 Production Variance Expense	213.71-	0.00	213.71-		
			** TOTAL COST OF GOODS SOLD	786.23-	0.00	786.23-		*6*
			*** GROSS PROFIT	1,276.73-	0.00	1,276.73-		*5*
			750143 Utilities Expense	578.00	0.00	578.00		
			770143 Information Technology Expense	795.00	0.00	795.00		
			780143 Rent Expense	1,500.00	0.00	1,500.00		
			** Operating Expenses	2,873.00	0.00	2,873.00		*6*
			740143 Supplies Expense	580.00	0.00	580.00		
			** Operating Expenses	3,453.00	0.00	3,453.00		*5*
			*** OPERATING PROFIT	2,176.27	0.00	2,176.27		*4*
			*** INCOME BEFORE TAXES	2,176.27	0.00	2,176.27		*3*
				2,176.27	0.00	2,176.27		*2*
				2,176.27	0.00	2,176.27		*1*

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 21:41:48 Date 10/14/2011
 Vermillion RFBILA00/BFI-143 Page 4

Financial Statements

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 21:41:48 Date 10/14/2011
 Vermillion RFBILA00/BFI-143 Page 4

Company code C143 Business area **** Amounts in USD

C	Comp	Bus.	Texts	Reporting period	Comparison period	Absolute	Rel	SuSta
F	code	area		(01.2011-16.2011)	(01.2010-16.2010)	difference	dif	level
				2,176.27-	0.00	2,176.27-		*1*

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 21:41:48 Date 10/14/2011
 Vermillion RFBILA00/BFI-143 Page 4

Financial Statements after PO Posted

Balance Sheet – P1

Financial Statements

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 16:30:21 Date 10/20/2011
 Vermillion RFBILA00/BFI-143 Page 1

Company code C143 Business area **** Amounts in USD

C	Comp	Bus.	Texts	Reporting period	Comparison period	Absolute	Rel	SuSta
F	code	area		(01.2011-16.2011)	(01.2010-16.2010)	difference	dif	level
			ASSETS					
			CASH & CASH EQUIVALENTS					
			100143 Bank Account	90,373.50	0.00	90,373.50		
			101143 Bank Atlantic	3,047.00	0.00	3,047.00		
			* Total Bank Account	93,420.50	0.00	93,420.50		*3*
			** Total Cash & Cash Equivalents	93,420.50	0.00	93,420.50		*2*
			INVENTORIES					
			202143 Finished Goods Inventory	14,216.00	0.00	14,216.00		
			201143 Trading Goods Inventory	967.50	0.00	967.50		*3*
			200143 Raw Materials Inventory	637.27-	0.00	637.27-		*3*
			* Total Raw Materials	637.27-	0.00	637.27-		*3*
			** Total Inventories	14,546.23	0.00	14,546.23		*2*
			**** TOTAL ASSETS	107,966.73	0.00	107,966.73		*1*



Balance Sheet – P2

Financial Statements

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 16:30:21 Date 10/20/2011
 Vermillion RFBILA00/BFI-143 Page 1

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 16:30:21 Date 10/20/2011
 Vermillion RFBILA00/BFI-143 Page 2

Company code C143 Business area **** Amounts in USD

C F	Comp code	Bus. area	Texts	Reporting period (01.2011-16.2011)	Comparison period (01.2010-16.2010)	Absolute difference	Rel dif	Summ level
			LIABILITIES AND STOCKHOLDERS EQUITY					
			EQUITY					
			RETAINED EARNINGS					
	C143		350143 Common Stock Account	100,143.00-	0.00	100,143.00-		
			* Total Retained Earnings	100,143.00-	0.00	100,143.00-		*3*
			PROFIT/LOSS CURRENT YEAR					
				7,823.73-	0.00	7,823.73-		*4*
			* Total Profit/Loss Current Year	7,823.73-	0.00	7,823.73-		*5*
			** Total Equity	107,966.73-	0.00	107,966.73-		*2*
			**** TOTAL LIABILITIES & STOCKHOLDERS EQUITY	107,966.73-	0.00	107,966.73-		*1*

Profit and Loss Statement – P 1

Financial Statements

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 16:30:21 Date 10/20/2011
 Vermillion RFBILA00/BFI-143 Page 3

Company code C143 Business area **** Amounts in USD

C F	Comp code	Bus. area	Texts	Reporting period (01.2011-16.2011)	Comparison period (01.2010-16.2010)	Absolute difference	Rel dif	Summ level
			NET SALES					
	C143		600143 Sales Revenue	25,490.50-	0.00	25,490.50-		
			* Revenue	25,490.50-	0.00	25,490.50-		*7*
	C143		610143 Revenue Deductions	2,500.00	0.00	2,500.00		
			* Deductions	2,500.00	0.00	2,500.00		*7*
			** TOTAL NET SALES	22,990.50-	0.00	22,990.50-		*6*
			COST OF GOODS SOLD					
	C143		790143 Cost of Goods Sold Expense	12,792.50	0.00	12,792.50		
			* Cost of Goods Sold	12,792.50	0.00	12,792.50		*7*
	C143		720143 Raw Materials Consumption/Expense	25,637.27	0.00	25,637.27		
			* SAP Manufacturing Clearing Accounts	25,637.27	0.00	25,637.27		*7*
	C143		731143 Production Order Settle Expense	26,909.35-	0.00	26,909.35-		
			* Inventory Reserves	26,909.35-	0.00	26,909.35-		*7*
	C143		762143 Production Variance Expense	193.35	0.00	193.35		
			** TOTAL COST OF GOODS SOLD	11,713.77	0.00	11,713.77		*6*
			*** GROSS PROFIT	11,276.73-	0.00	11,276.73-		*5*
	C143		750143 Utilities Expense	578.00	0.00	578.00		
	C143		770143 Information Technology Expense	795.00	0.00	795.00		
	C143		780143 Rent Expense	1,500.00	0.00	1,500.00		
	C143		740143 Supplies Expense	2,873.00	0.00	2,873.00		*6*
			* Operating Expenses	5,800.00	0.00	5,800.00		*6*
			** Operating Expenses	3,453.00	0.00	3,453.00		*5*
			*** OPERATING PROFIT	7,823.73-	0.00	7,823.73-		*4*
			**** INCOME BEFORE TAXES	7,823.73-	0.00	7,823.73-		*3*
				7,823.73-	0.00	7,823.73-		*2*
				7,823.73-	0.00	7,823.73-		*1*

Profit and Loss Statement – P2

Financial Statements

Gaumard Scientific Inc. Financial Statement (Pen Company) Time 16:30:21 Date 10/20/2011
 Vermillion RFBILA00/BFI-143 Page 4

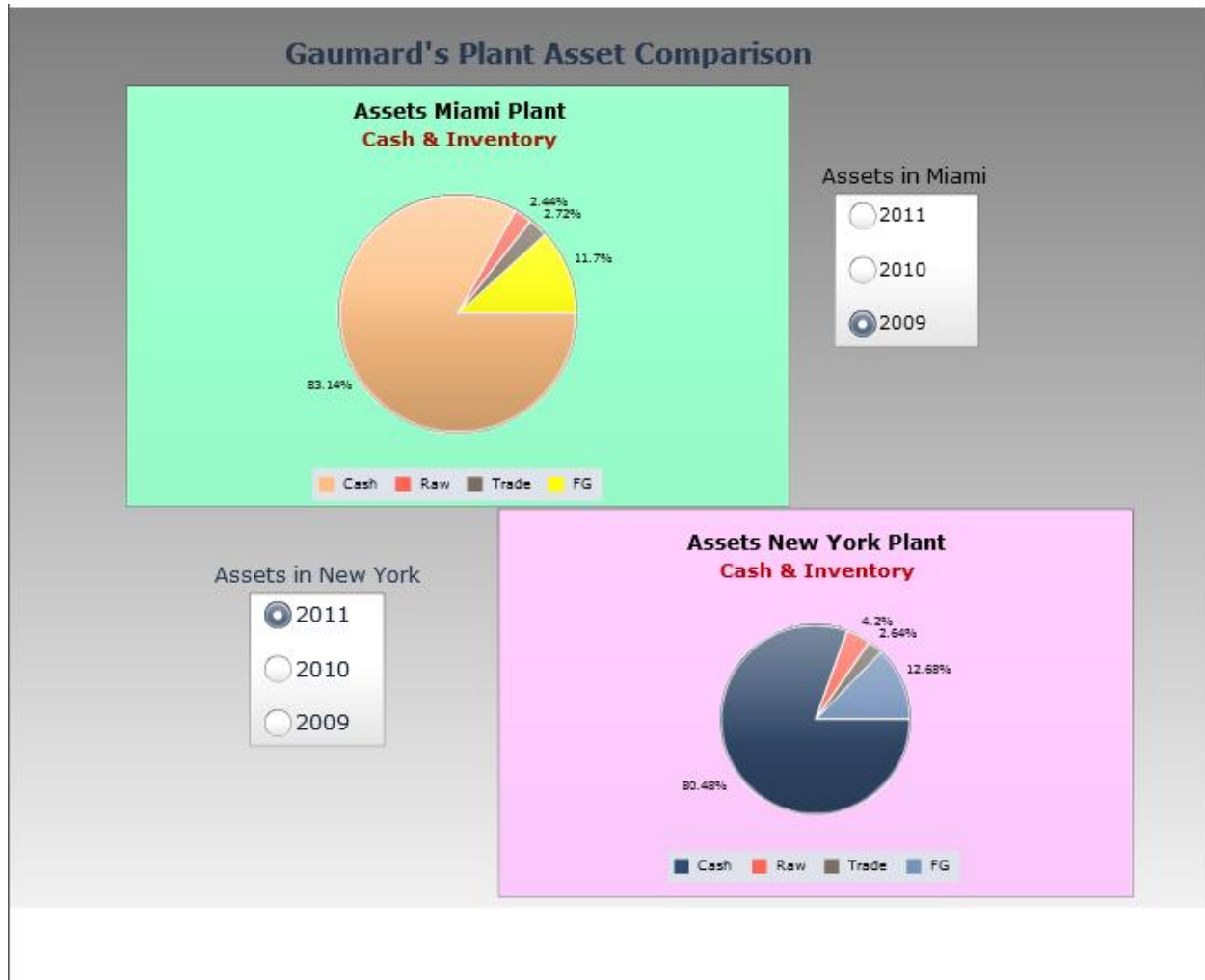
Company code C143 Business area **** Amounts in USD

C F	Comp code	Bus. area	Texts	Reporting period (01.2011-16.2011)	Comparison period (01.2010-16.2010)	Absolute difference	Rel dif	Summ level
				7,823.73	0.00	7,823.73		*1*



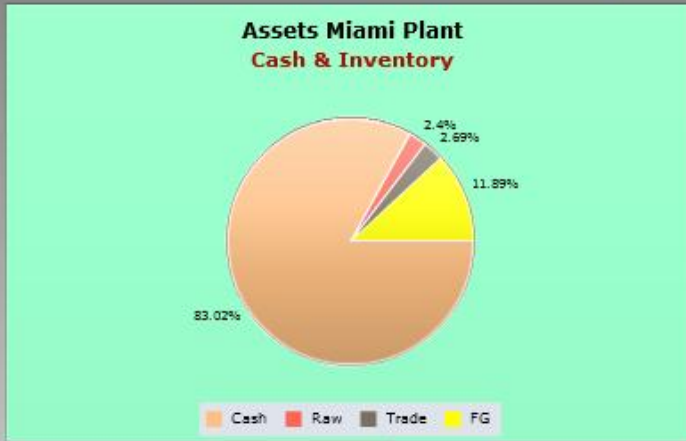
6 SAP Crystal Dashboard Design

2009



2010

Gaumard's Plant Asset Comparison



Assets in Miami

- 2011
- 2010
- 2009

Assets in New York

- 2011
- 2010
- 2009



2011

