

References

1. Akhaphan Mahaampornpreuk. *Information System for Budget Control*. Master Thesis, Technology of Information System Management, Mahidol University. 1997.
2. Apinan Klawwutinum. *Applying Material Requirements Planning Technique in Steel Furniture manufacturing*. Master Thesis, Technology of Information System Management, Mahidol University. 1980.
3. Bedworth, D.D., and Bailey, J.E. *Introduction to Production Control Systems*. New York. John Wiley & Sons, 1987.
4. Chatchawan Chinvipai. *An Improvement of Production Management and Information System in the Sleepware Industry*. Master Thesis, Department of Industrial Engineering, Chulalongkorn University. 1997.
5. Denning, P. s R.Brown. *Operating System*. Scientific American, Sep 1984.
6. Edwards, Eric Kenyatta. *Continuously Adaptable Dynamic Manufacturing Information System*. Master Thesis, Dissertation Abstracts International, University of Virginia. 1998.
7. Gibson, Micheal L. *Systems Analysis and Design*. Massachusetts. Buyd & Fraser Publishing, Denvers, 01923.
8. James R. Mensching & Dennis A. Adams. *Managing an Information System*. Practice Hall, Englewood Cliffs, 07632.
9. Kunniga Getwite. *Information System Development for Monitoring and Evaluation of Breast feeding in Community Hospital*. Master Thesis, Public Health, Mahidol University. 1997.
10. Larry long. *Management Information System*. New Jersey. Practice Hall, Englewood Cliffs, 07632.
11. Mc Carthy, Jim. *Building an Application with Microsoft Access 97*. Richmond. Microsoft Press, 1997.
12. Nanua Singh. *System Approach to Computer-Integrated Design and Manufacturing*. Master Thesis, Department of Industrial and Manufacturing Engineering. Wayne State University. 1996.

13. Piyarat Tangkasemchit. *The Application of WEB Database for Executive Information System Case Study: LEVI's products*. Master Thesis, Technology of Information System Management. Mahidol University. 1997.
14. Prof SK Bhattacharyya. *Information Technology*. Master Thesis, Warwick Manufacturing Group. University of Warwick. 1999.
15. Ralph M. Stair. *Principles of Information Systems*. Florida. Boyd & Fraser Publishing, 1987.
16. Reid Software Inc. *Reid Software Development*. New Jersey. 213 Kings Hwy. E. Haddonfield, 08033.
17. Rondeau, Patrick Joeseeph. *A Framework to Evaluate the Relationship Between Manufacturing and Information System Practices*. Master Thesis, The Effect of Competitive Capabilities and Firm Performance, Dissertation Abstracts International, The University of Toledo. 1997.
18. Siradeat Chartrniyom. *A Development of an Information System for Production Control in the Manufacturing of Control Switch Board and Cable Tray*. Master Thesis, Department of Industrial Engineering, Chulalongkorn University. 1987.
19. Sirichai Knot. *Management Information System for Controlling the Production in Foy Industry*. Master Thesis, Department of Industrial Engineering, Chulalongkorn University. 1996.
20. Softech, Inc. *Integrated Computer-Aided Manufacturing (ICAM) Architecture Part Volume IV*. Ohio. AF Wright Aeronautical Laboratories (AFSC), Wright-Paterson AFB, 1981.
21. Spencer B. Smith. *Computer Based Production and Inventory Control*. New Jersey. Illinois Institute of Technology, Practice Hall, Englewood cliffs, 07632.
22. Steele, G.D., Matthews, I.A., Rover Group. *Factory Information System for Production Management, Integrating Information and Material Flow*. Institute of Electrical and Electronic Engineers, 1990.
23. Wisdom System, Inc. *Functional Process Improvement Project Book*. New York. A major reengineering consultant, 1998.
24. Watts S. Humphrey. *Managing the Software Process*. Massachusetts. Addison Wesley Publishing Co., Reading, 1989.



Appendices

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย



Appendix A : General Information of the case study

A-1 The Company Organization Chart

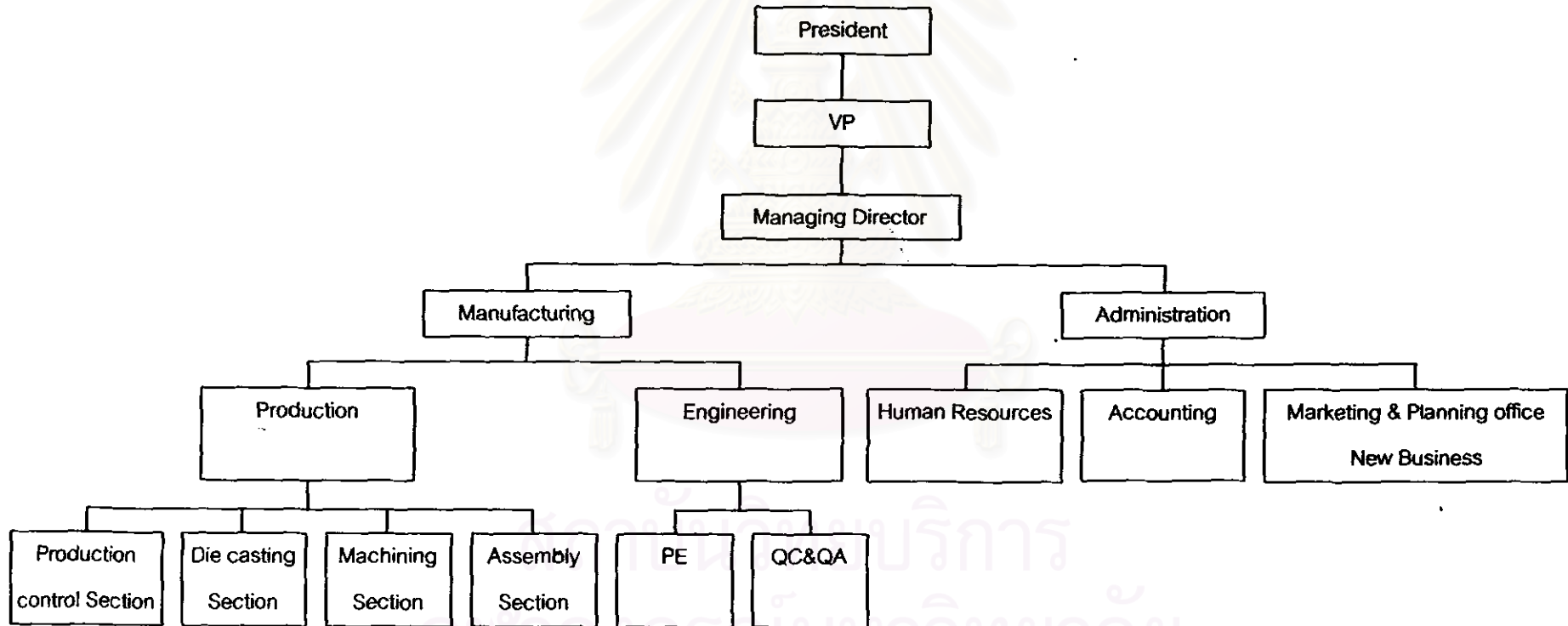
A-2 The Production Department Organization Chart

A-3 IDEF0 Model for the Existing Production Control and Sequential Processes

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

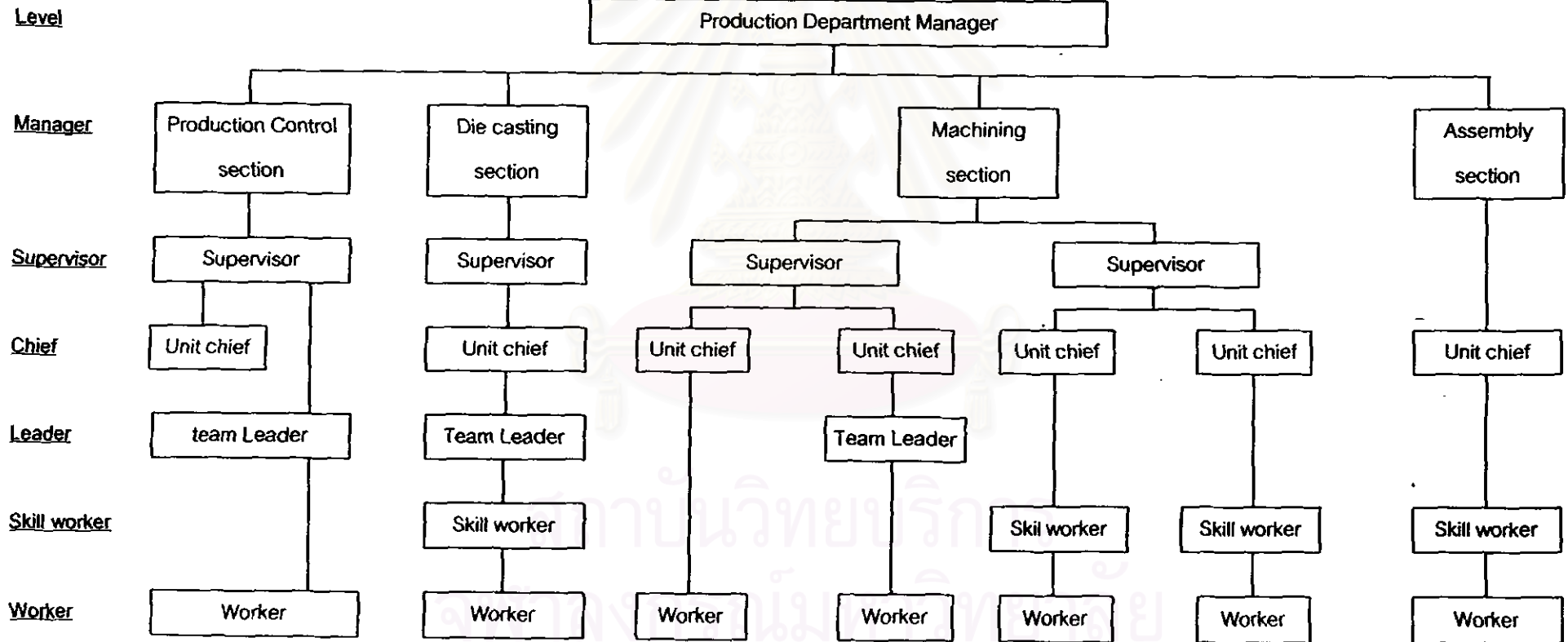
The Company Organisation Chart of the Case study

COMPANY ORGANISATION CHART



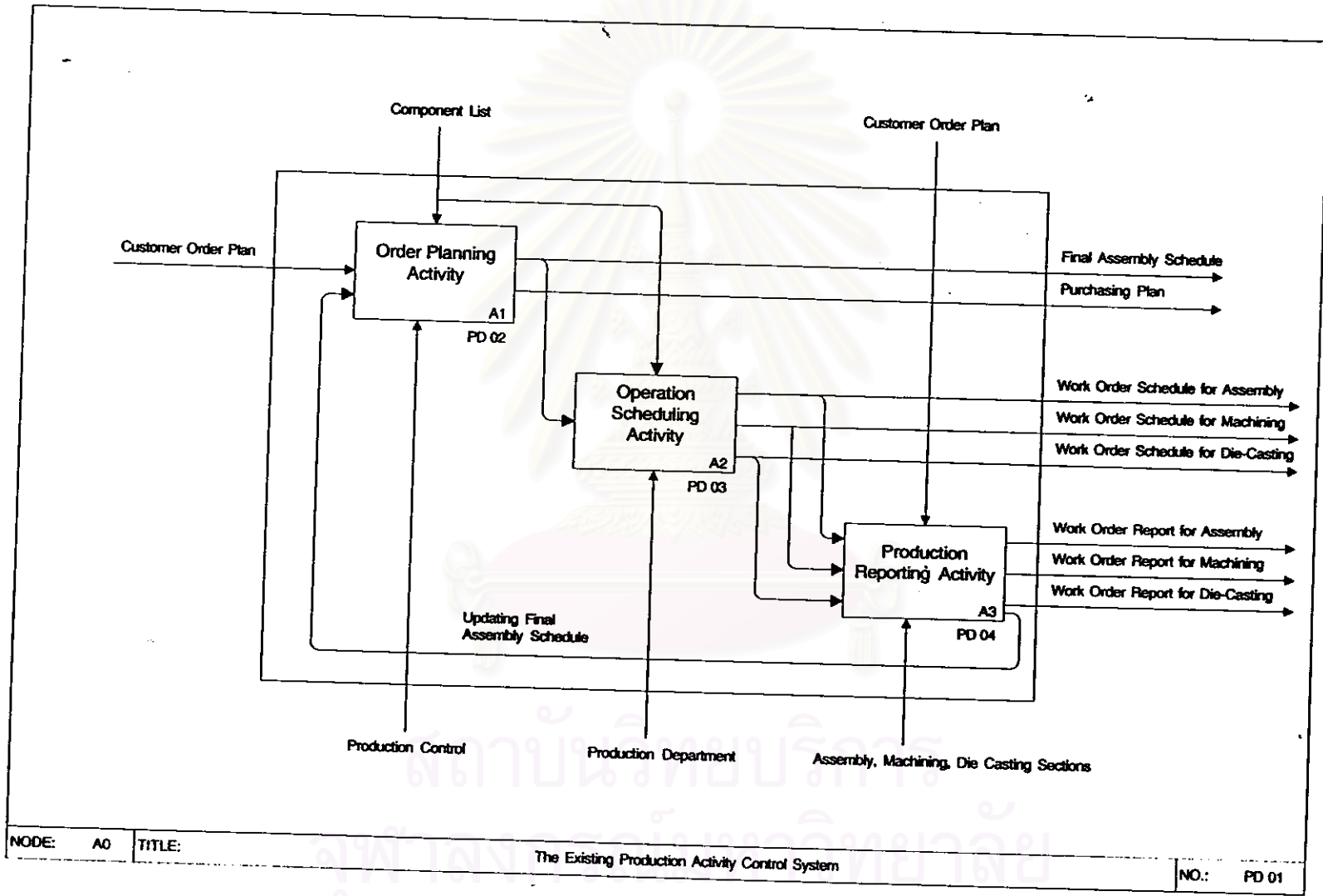
The Organisation chart of Production Department

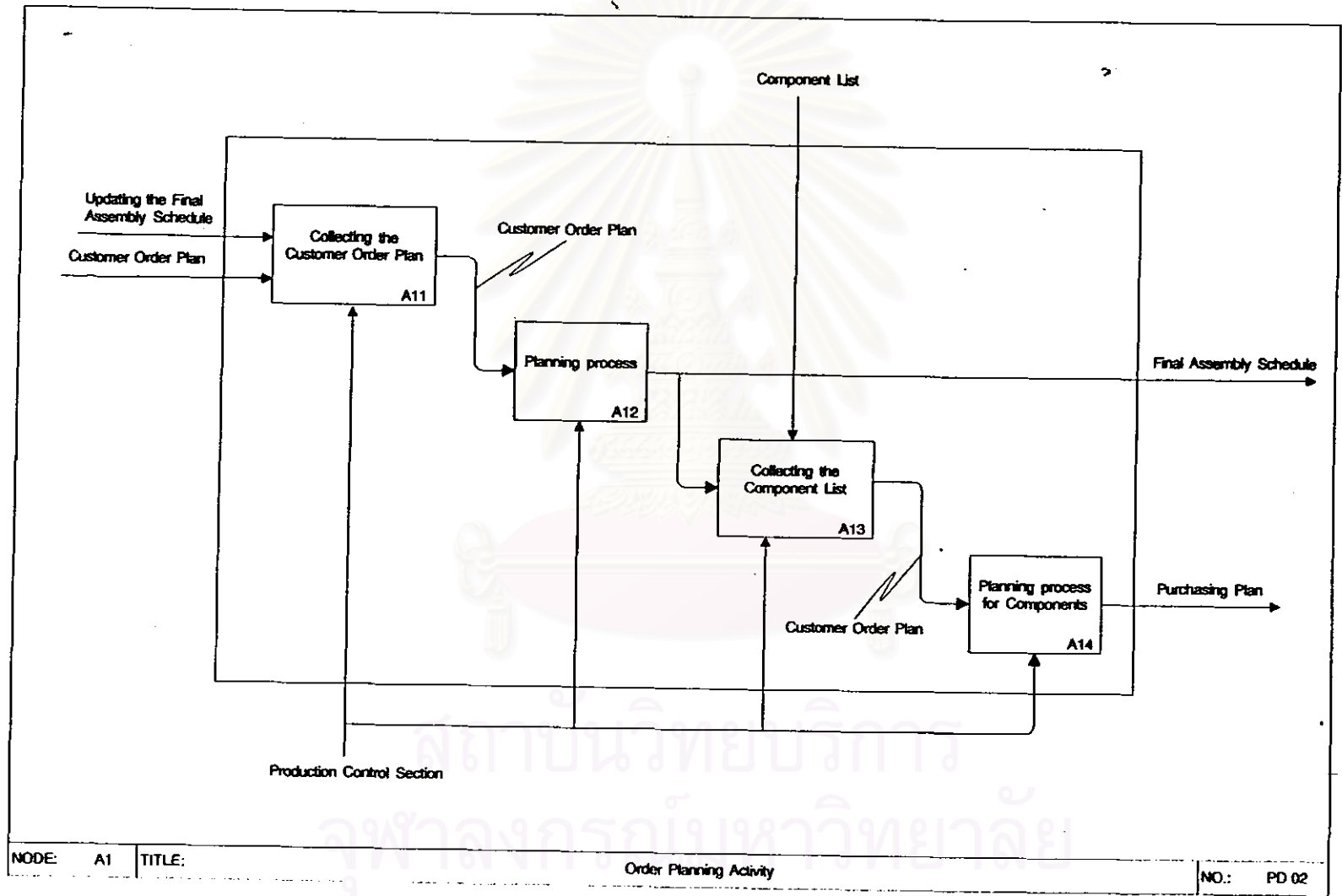
PRODUCTION DEPARTMENT ORGANIZATION CHART



Nodetree diagram for the existing Production Control and Sequential processes

The Existing Production Control and Sequential processes	Responsibility	Document No.
<p><i>A1 Order Planning Activity</i></p> <p>A11 Collecting the Customer Order Plan</p> <p>A12 Planning process</p> <p>A13 Collecting the Component List</p> <p>A14 Planning process for Components</p>	<p>Production Control Section</p> <p>Production Control Section</p> <p>Production Control Section</p> <p>Production Control Section</p>	<p>PD 02</p>
<p><i>A2 Operation Scheduling Activity</i></p> <p>A21 Operation Scheduling for Assembly</p> <p>A211 Matching the Component List</p> <p>A212 Planning Process</p> <p>A22 Operation Scheduling for Machining</p> <p>A221 Matching the Component List</p> <p>A222 Planning Process</p> <p>A23 Operation Scheduling for Die Casting</p> <p>A231 Matching the Component List</p> <p>A232 Planning Process</p>	<p>Production Department</p> <p>Production Department</p> <p>Production Department</p> <p>Production Department</p> <p>Production Department</p> <p>Production Department</p> <p>Production Department</p> <p>Production Department</p>	<p>PD 03</p> <p>PD 03-1</p> <p>PD 03-2</p> <p>PD 03-3</p>
<p><i>A3 Production Reporting Activity</i></p> <p>A31 Preparing the Production Resource</p> <p>A32 Production Process</p> <p>A33 Modifying the Work Order Schedule</p> <p>A34 Updating the Final Assembly Schedule</p>	<p>Assembly, Machining, Die Casting Sections</p> <p>Assembly, Machining, Die Casting Sections</p> <p>Assembly, Machining, Die Casting Sections</p> <p>Production Control Section</p>	<p>PD 04</p>

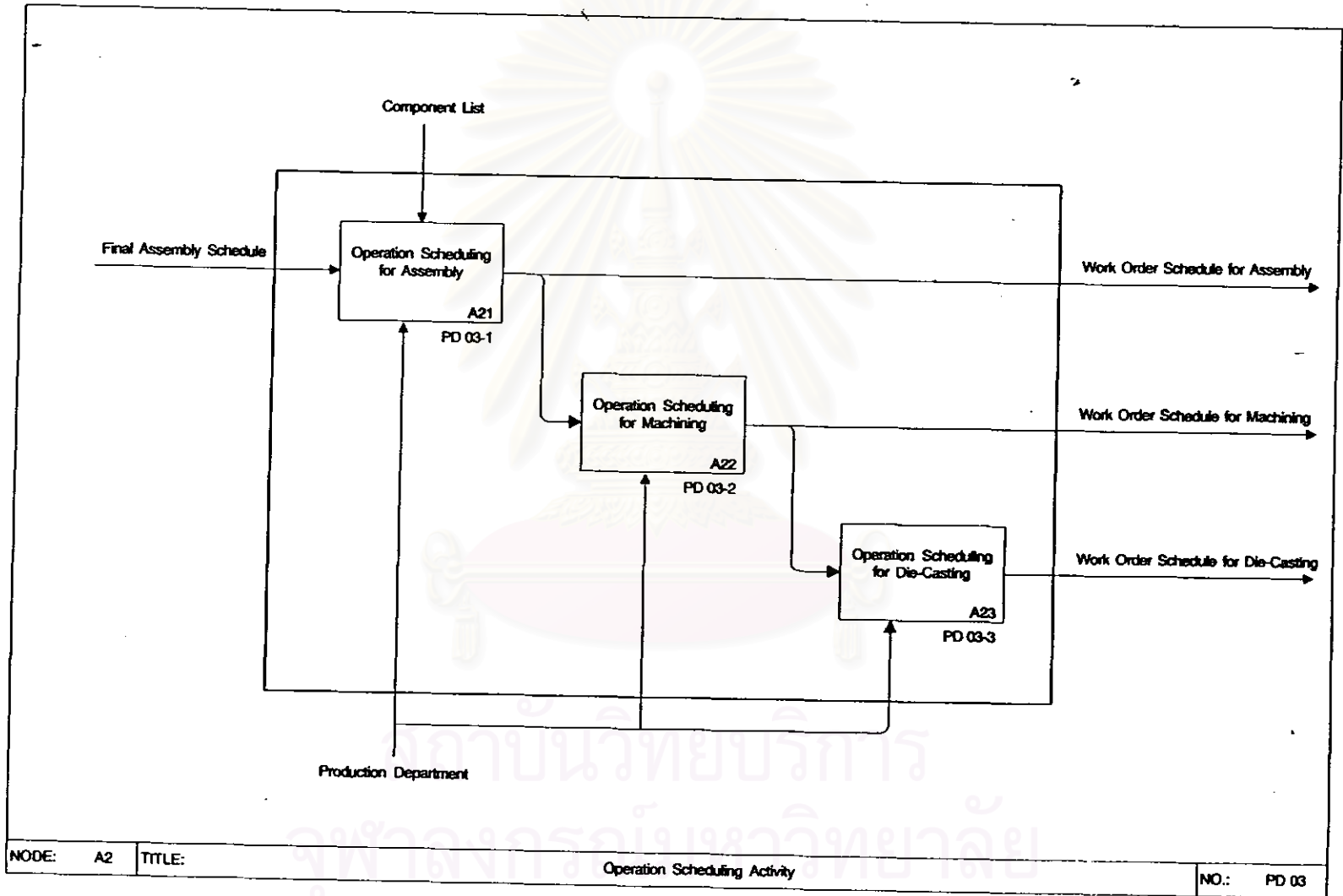


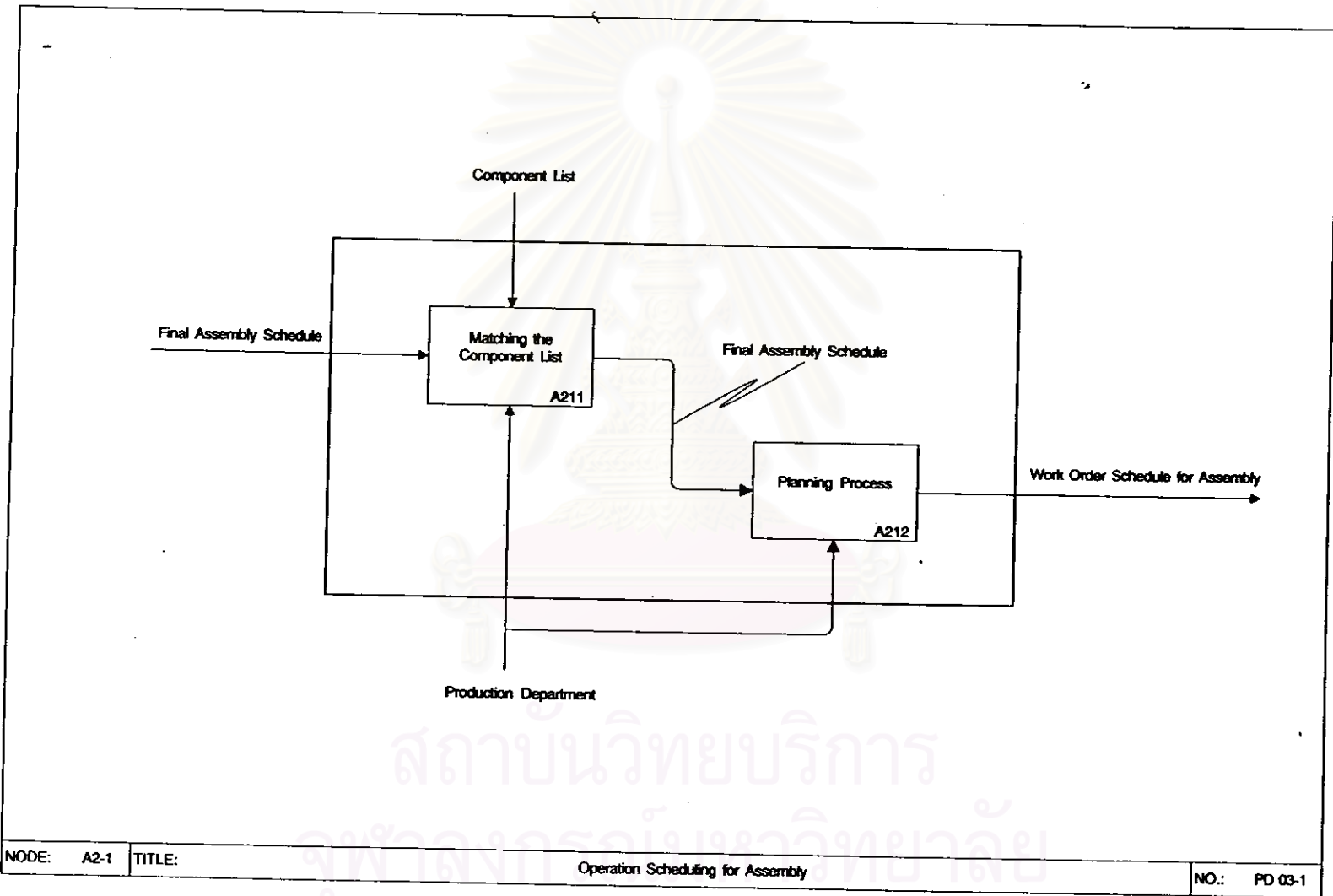


NODE: A1

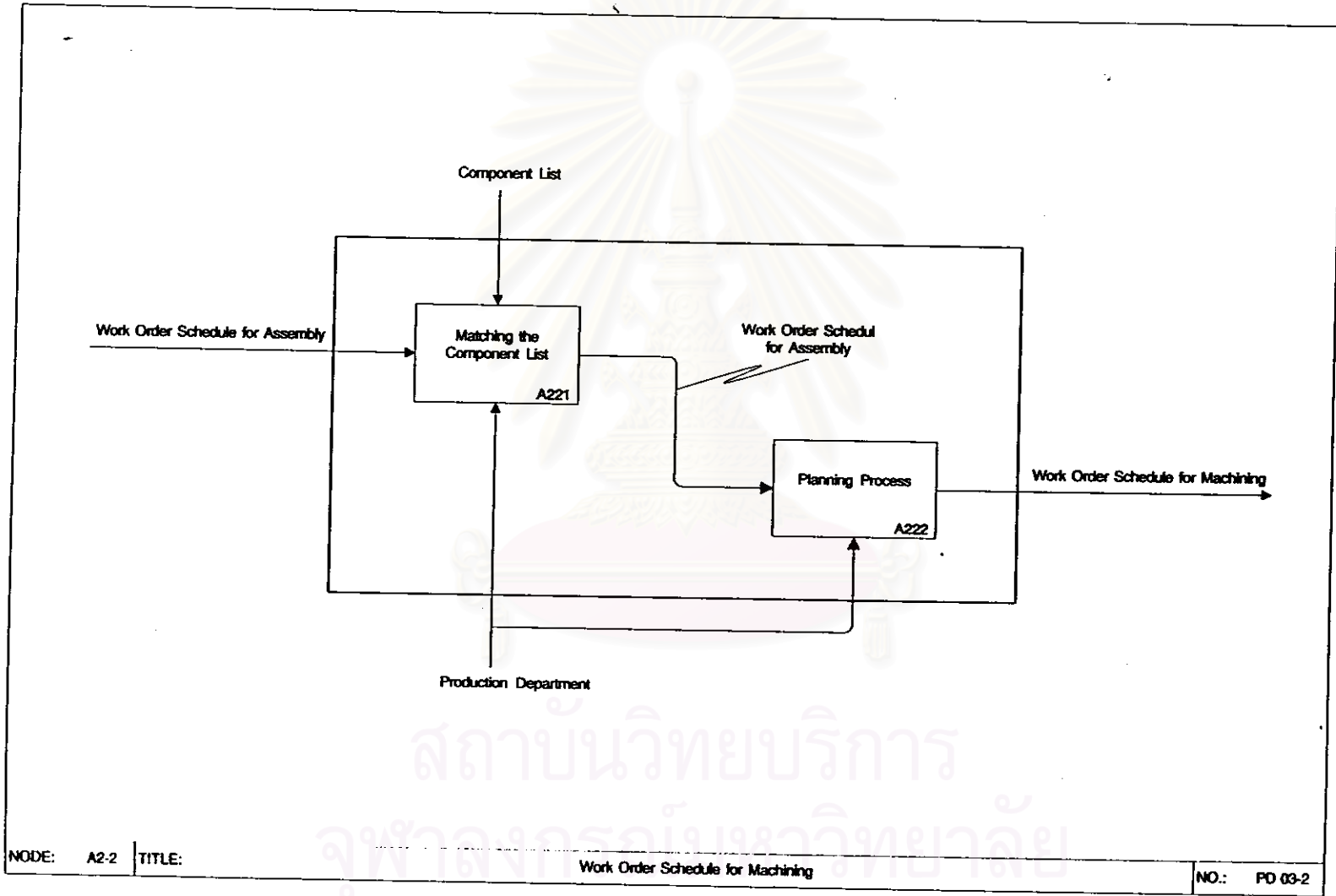
TITLE: Order Planning Activity

NO.: PD 02





NODE: A2-1	TITLE: Operation Scheduling for Assembly	NO.: PD 03-1
------------	--	--------------

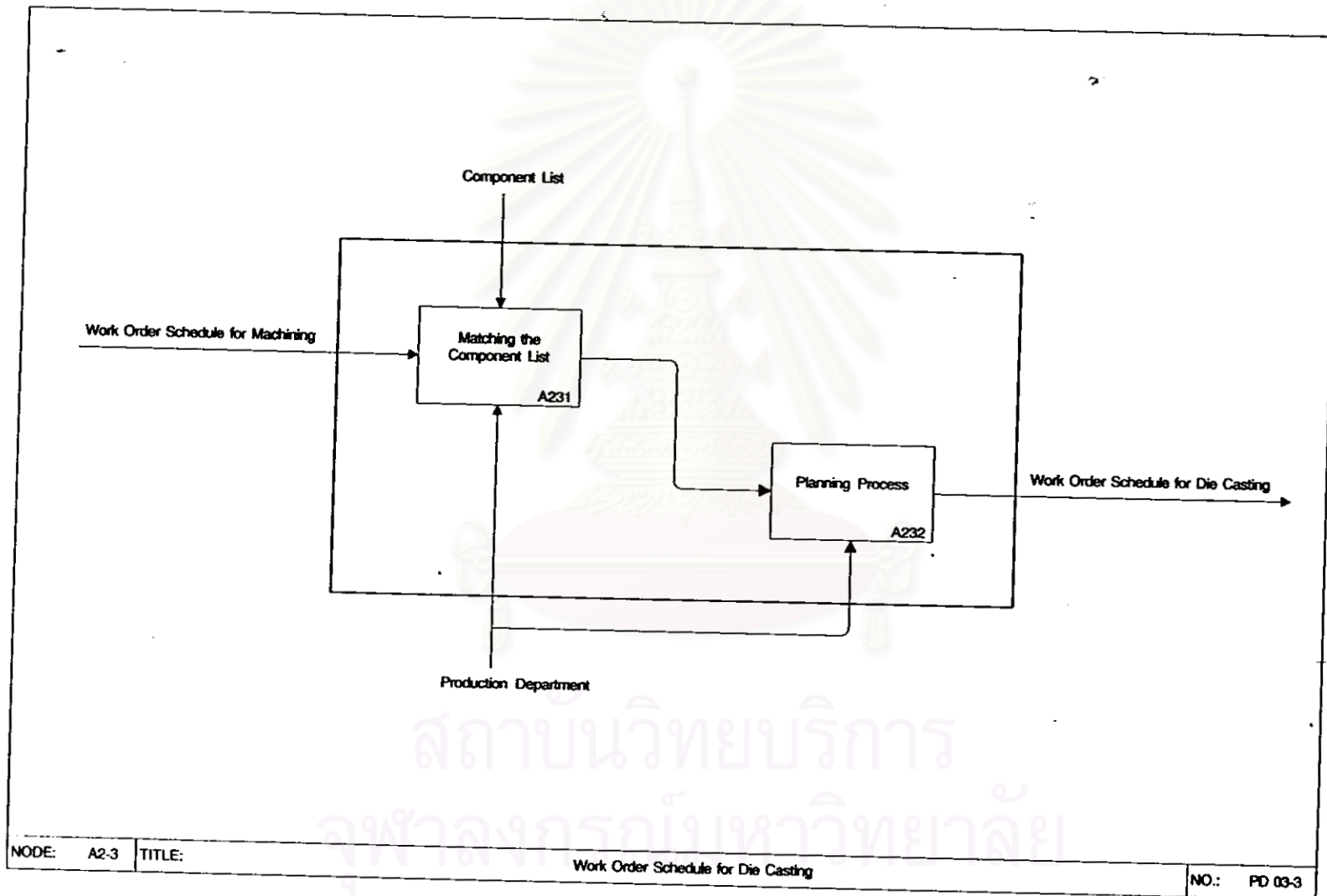


NODE: A2-2 TITLE:

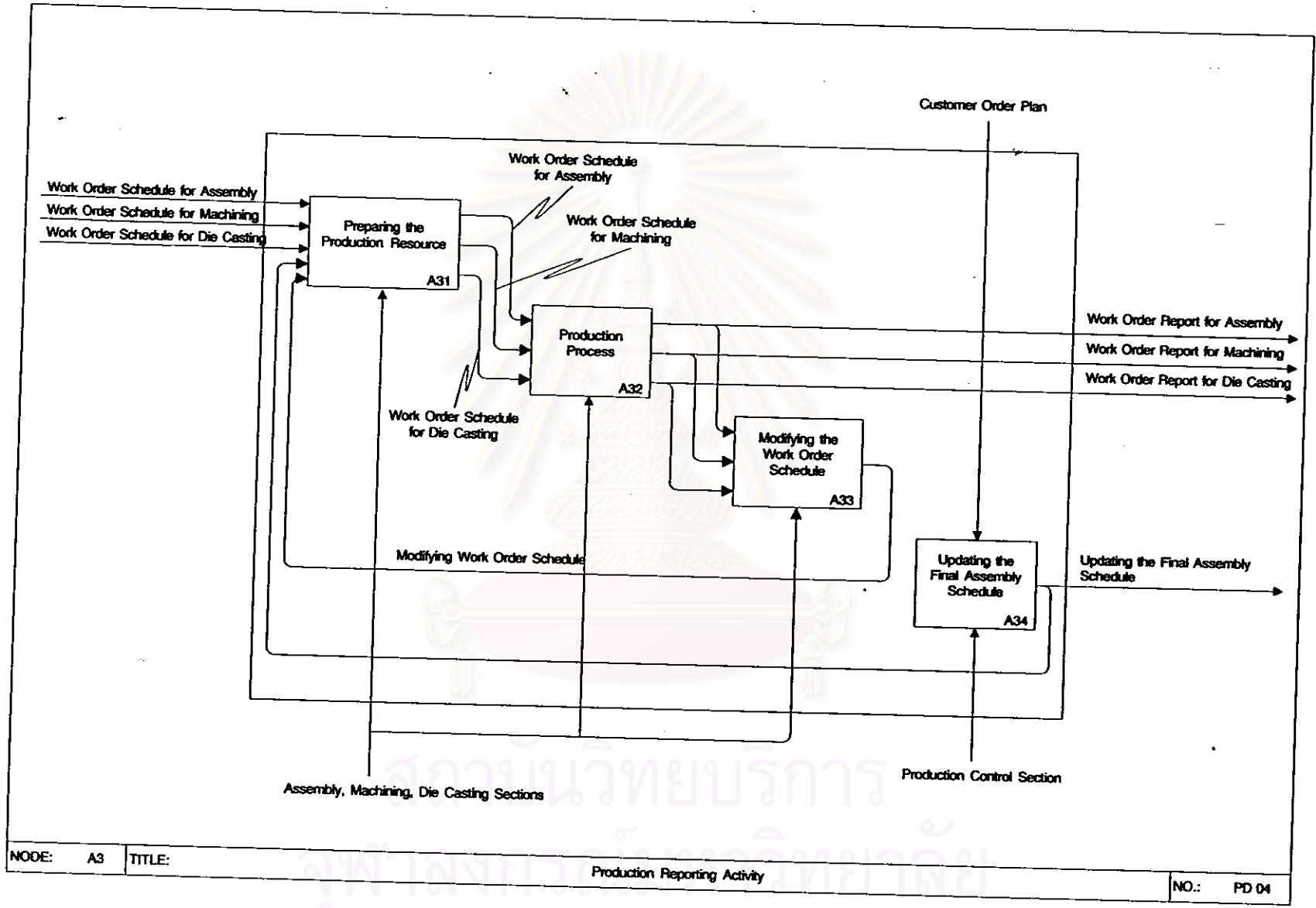
Work Order Schedule for Machining

NO.: PD 03-2

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย



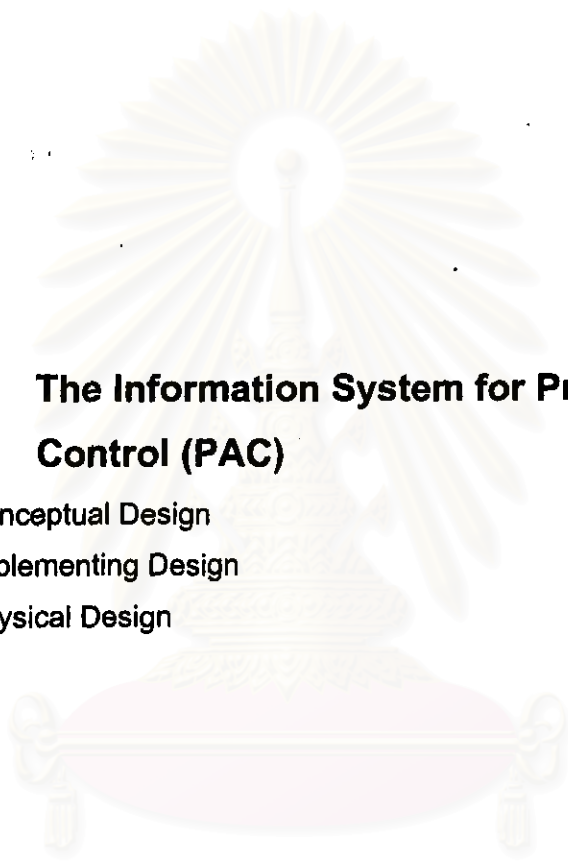
สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย



NODE: A3 TITLE:

Production Reporting Activity

NO.: PD 04



**Appendix B : The Information System for Production Activity
Control (PAC)**

B-1 Conceptual Design

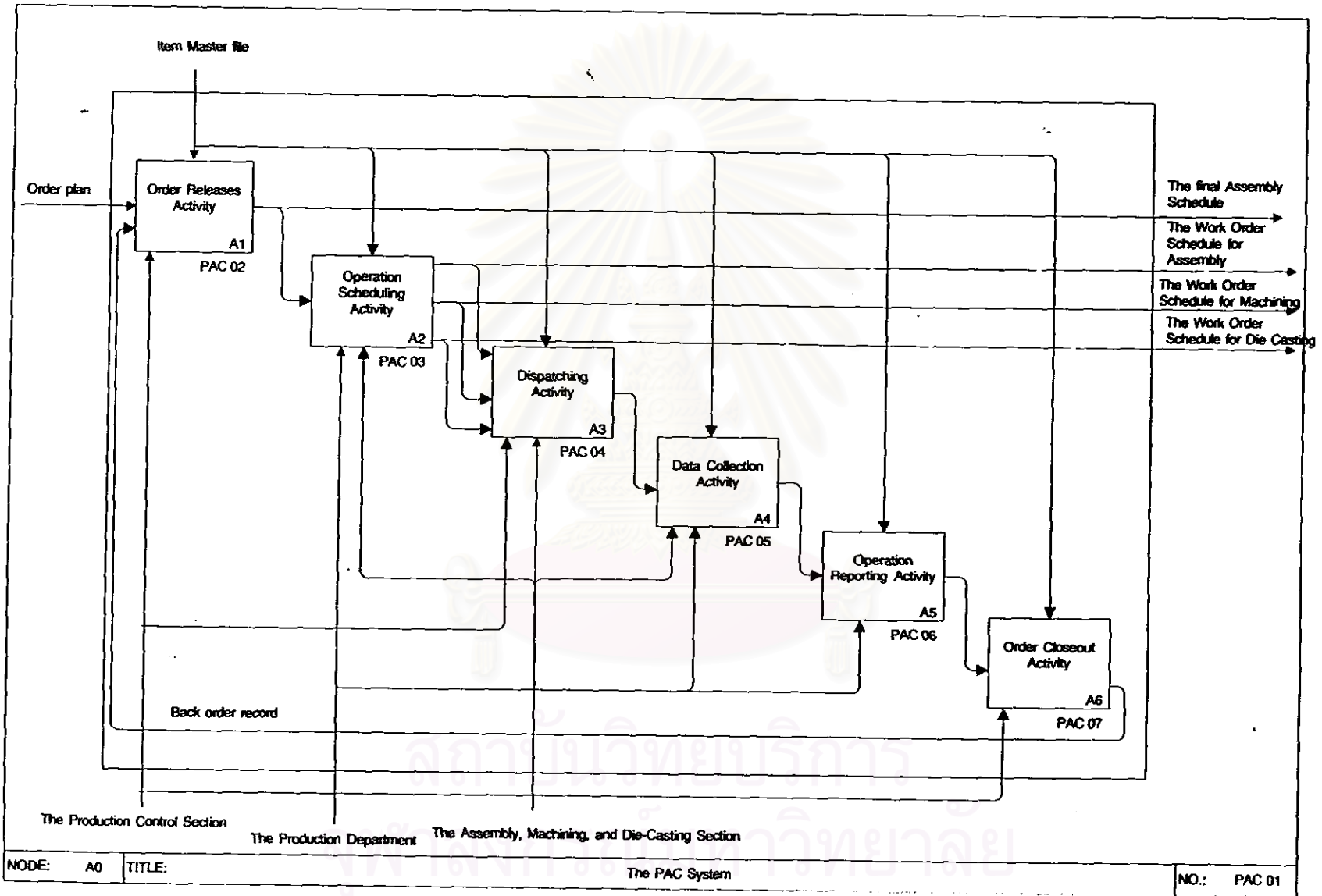
B-2 Implementing Design

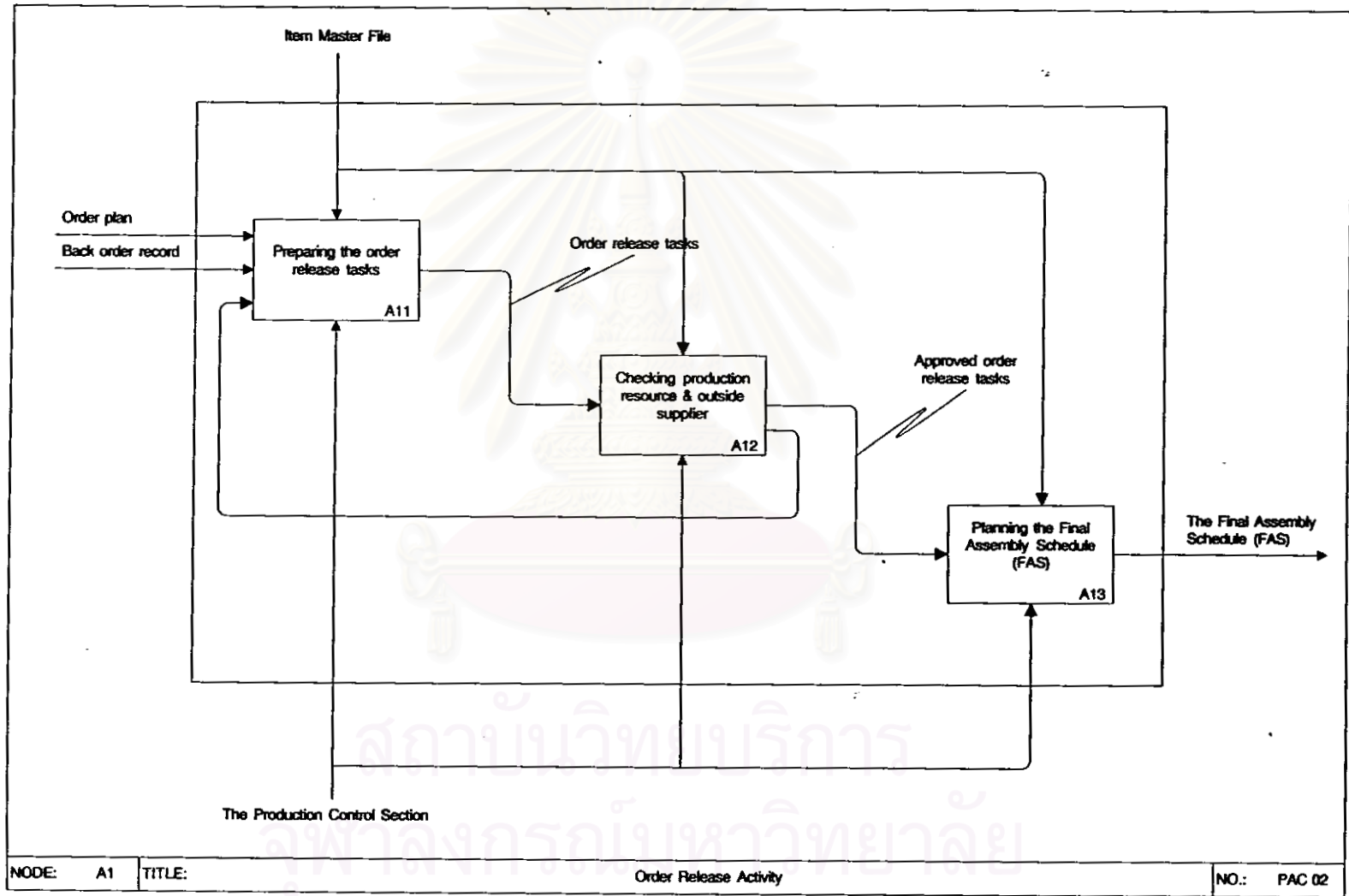
B-3 Physical Design

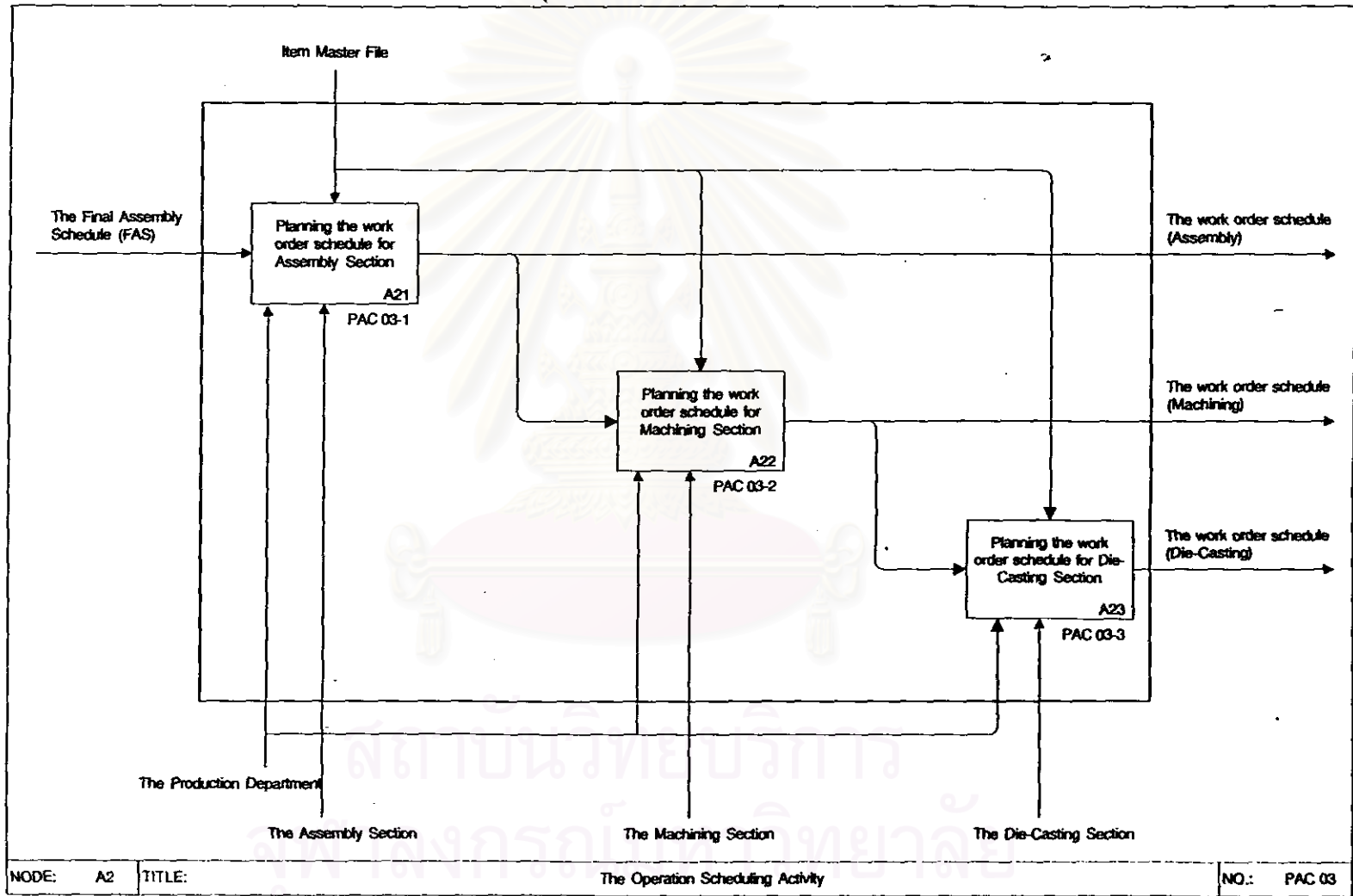
สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

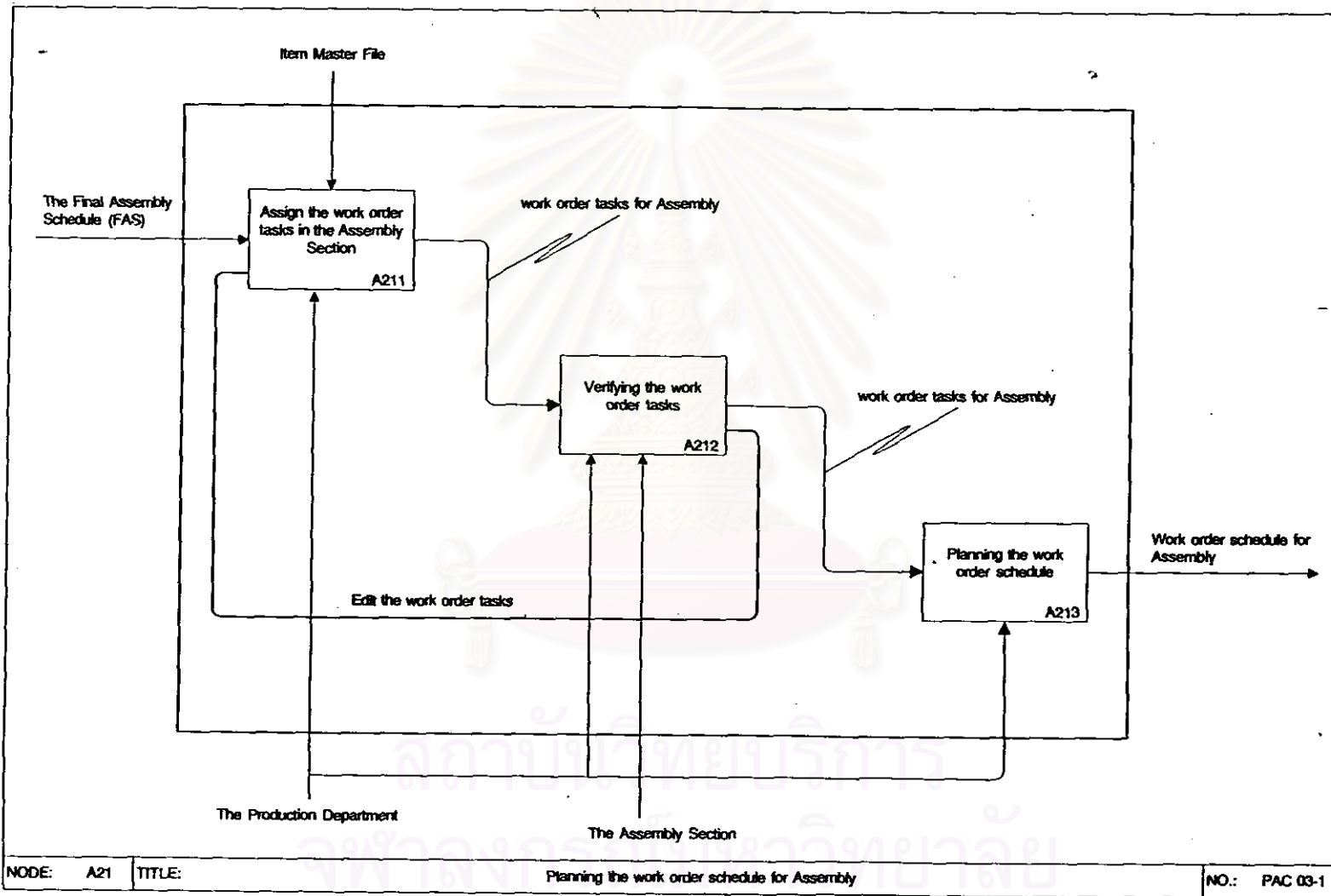
Nodetree diagram for the developed Production Activity Control System

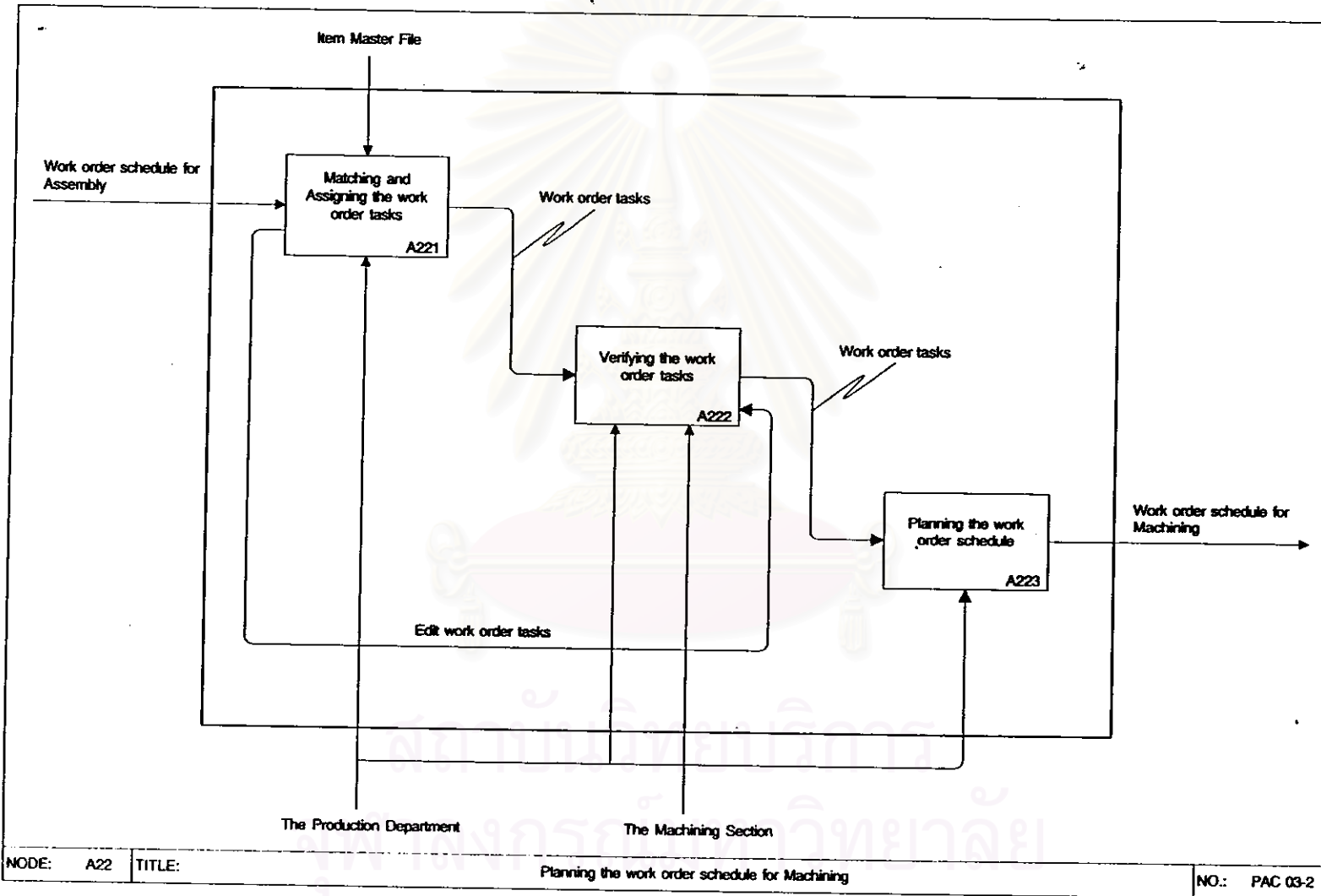
Nodetree diagram for the Developed Production Activity Control System	Responsibility	Form No.	Input	Output
A1 Order Release Activity A11 Preparing the Order Release tasks A12 Checking production resource and outside supplier A13 Planning the Final Assembly Schedule (FAS)	Production Control Section Production Control Section Production Control Section	- OR-01 OR-02	X	X
A2 Operation Scheduling Activity A21 Planning the Work Order Schedule for Assembly Section A211 Assigning the Work Order tasks in Assembly Section A212 Verifying the Work Order tasks A213 Planning the Work Order Schedule A22 Planning the Work Order Schedule for Machining Section A221 Assigning the Work Order tasks in Machining Section A222 Verifying the Work Order tasks A223 Planning the Work Order Schedule A23 Planning the Work Order Schedule for Die-Casting Section A231 Assigning the Work Order tasks in Die-Casting Section A232 Verifying the Work Order tasks A233 Planning the Work Order Schedule	Production Department Assembly Section Production Department Production Department Machining Section Machining Section Production Department Die Casting Section Die Casting Section Production Department	PAC 03-1 OS-01 OS-02 PAC 03-2 OS-03 OS-04 PAC 03-3 OS-05 OS-06	X X X	X X X
A3 Dispatching Activity A31 Preparing the purchasing plan for outside supplier A311 Matching and assigning the purchasing tasks A312 Verifying the inventory A313 Planning the purchasing plan A32 Preparing and producing the parts	Production Control Section Production Control Section Production Control Section Assembly Section Assembly Section Machining Section Machining Section Die Casting Section Die Casting Section	PAC 04-1 DL-01 DL-02 DL-03 DL-04 DL-05 DL-06 DL-07 DL-08	X X X X X X X	X X X X
A4 Data Collection Activity A41 Verifying the Work Order Report A42 Input the Work Order Report	Assembly Section Machining Section Die Casting Section Production Department	WOR WOR WOR DC-01, DC-02, DC-03	X	
A5 Operation Reporting Activity A51 Comparing with the Work Order Schedule A52 Summarizing the operation reporting	Production Department Production Department	PR01, PR02, PR03		X
A6 Order Closeout Activity A61 Comparing with the Final Assembly Schedule A62 Preparing the delivery order request A63 Preparing back order record	Production Control Section Production Control Section Production Control Section	PAC-OC-01 OC01	X	

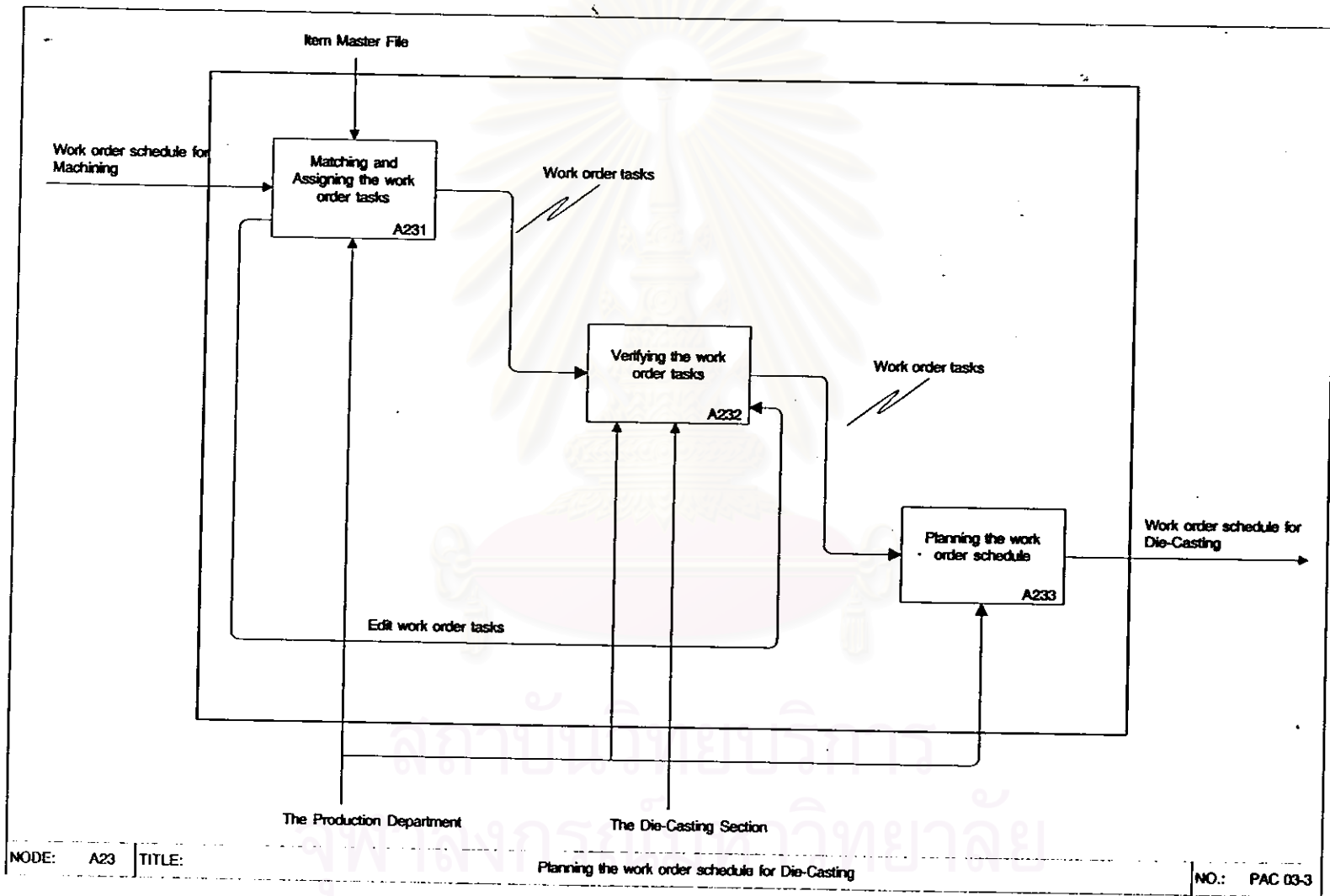


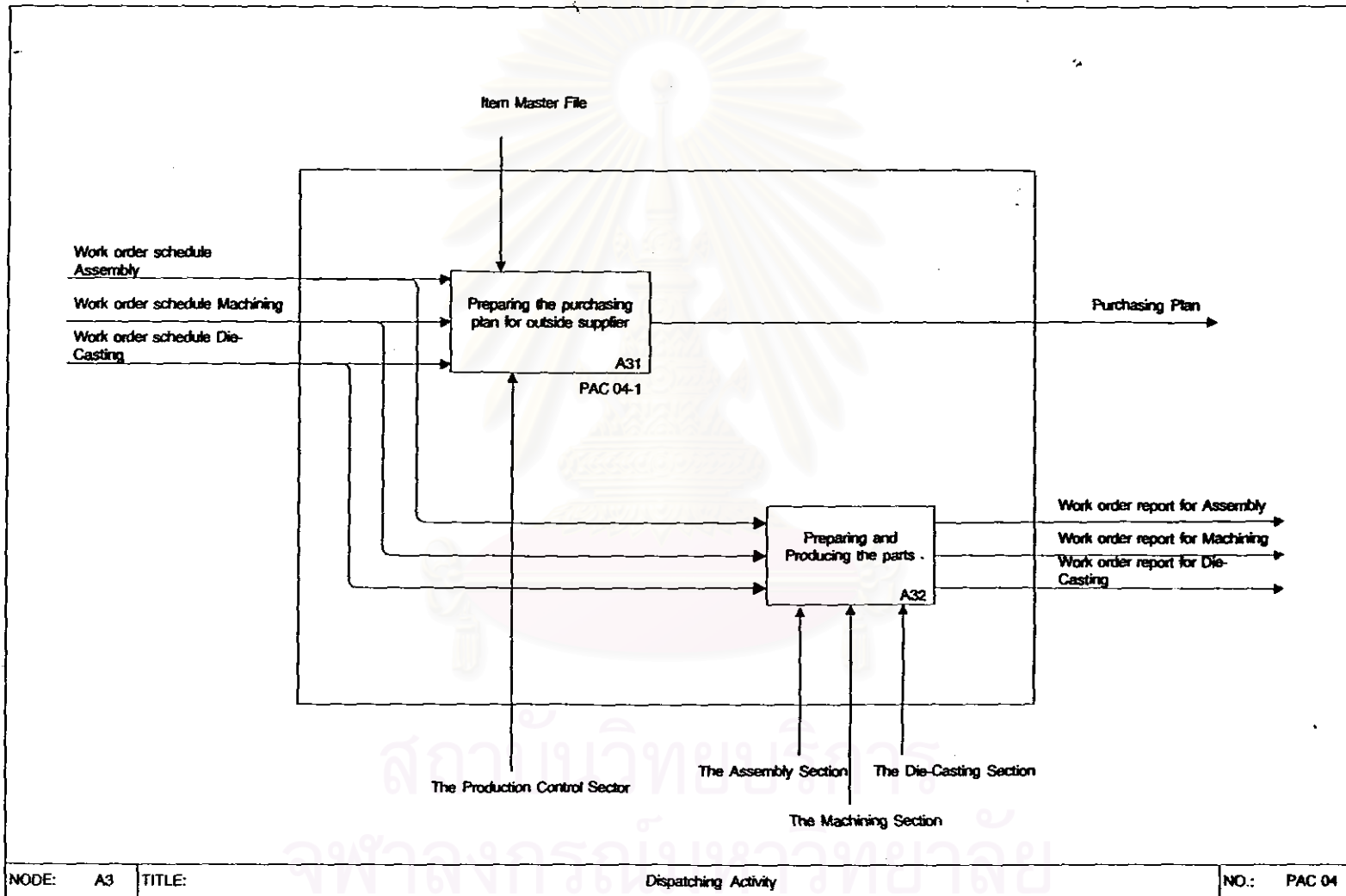


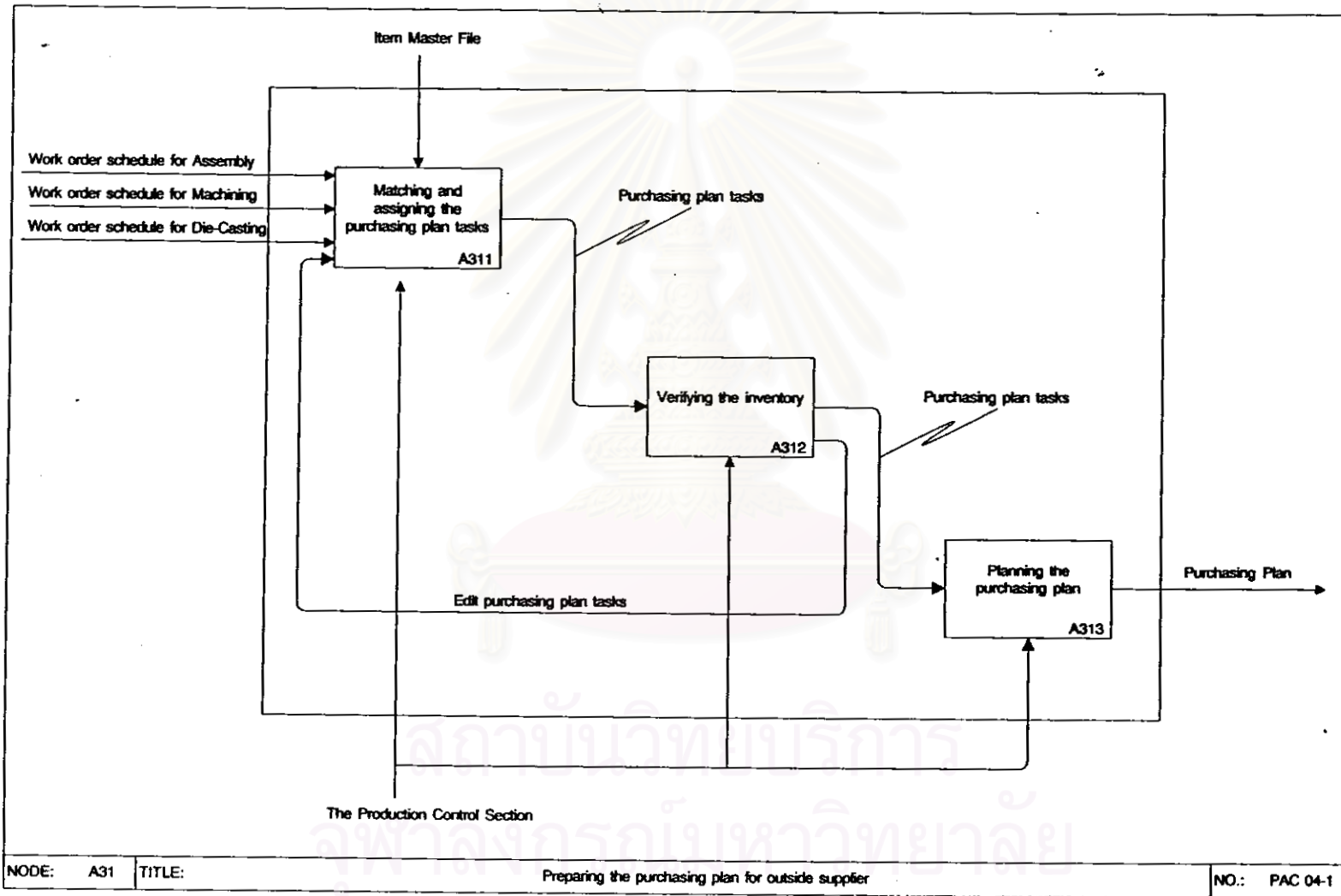


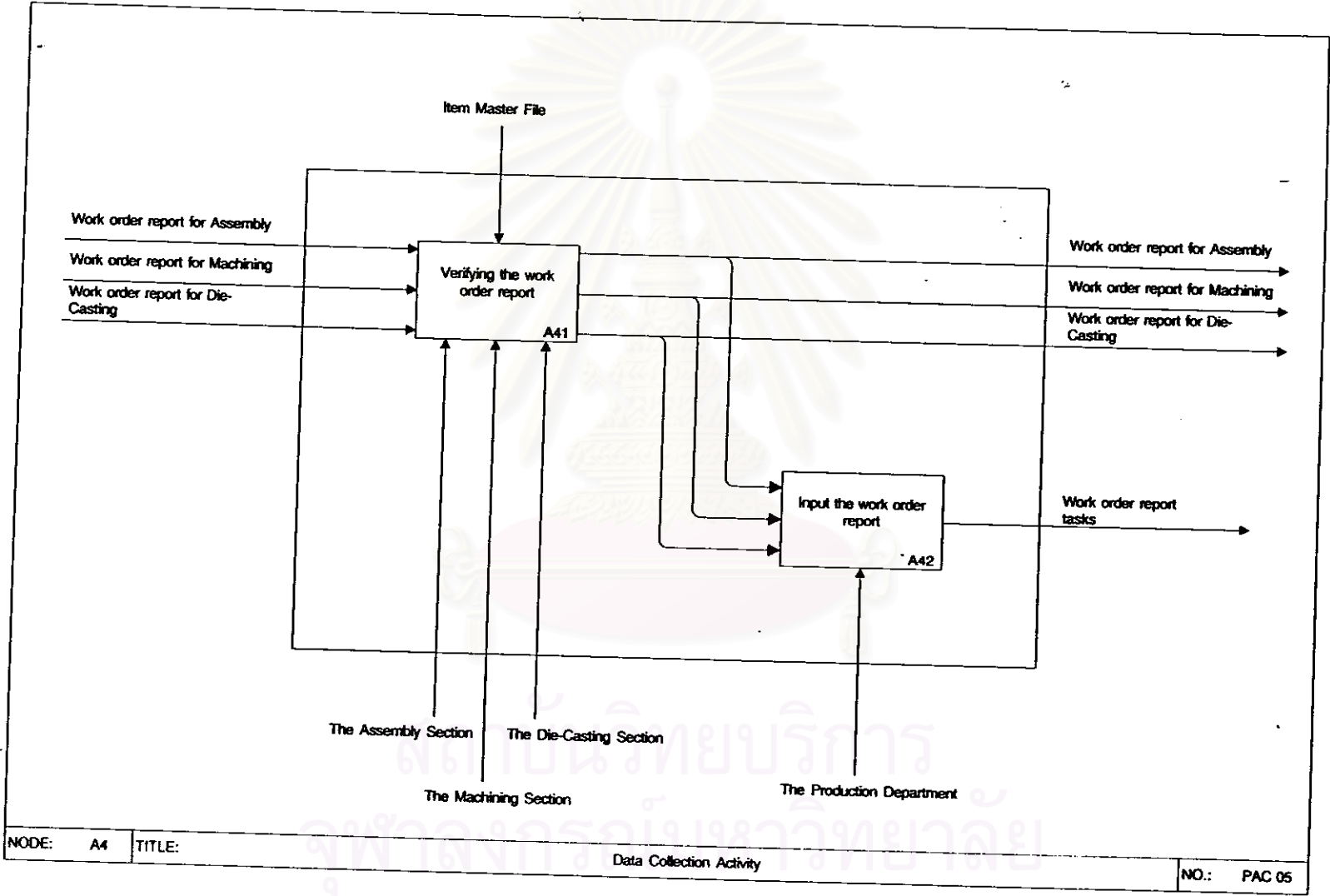


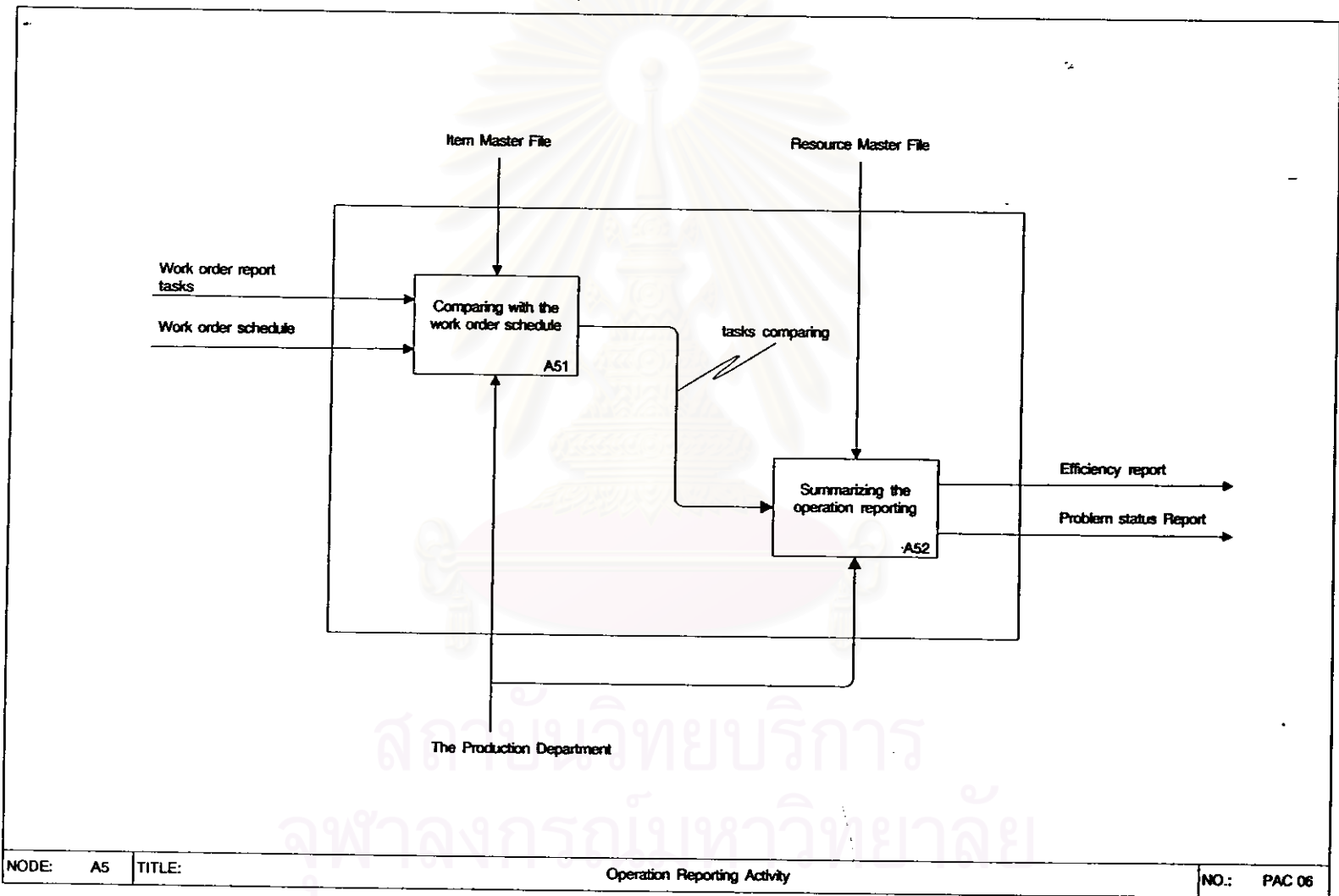








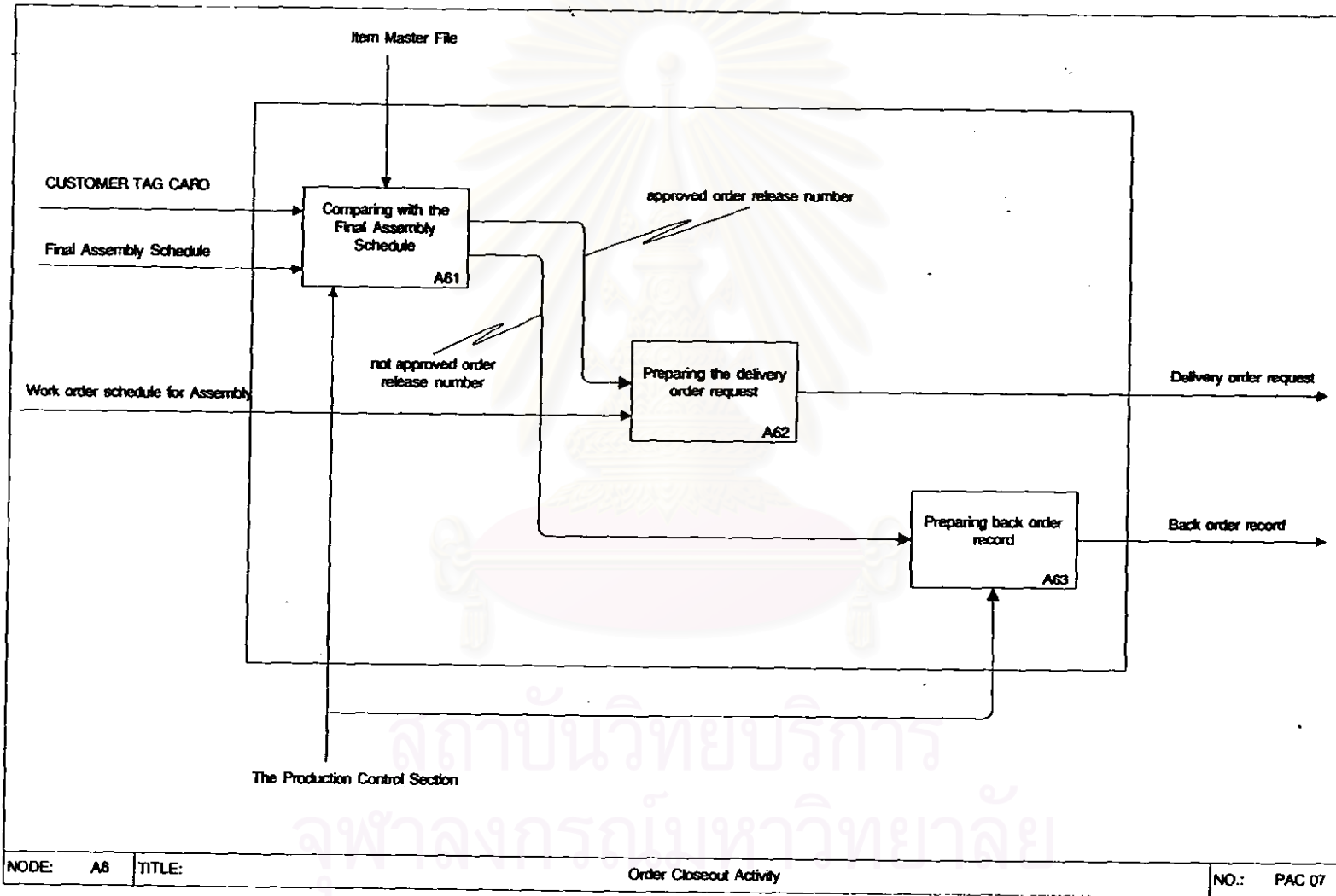




NODE: A5

TITLE: Operation Reporting Activity

NO.: PAC 06

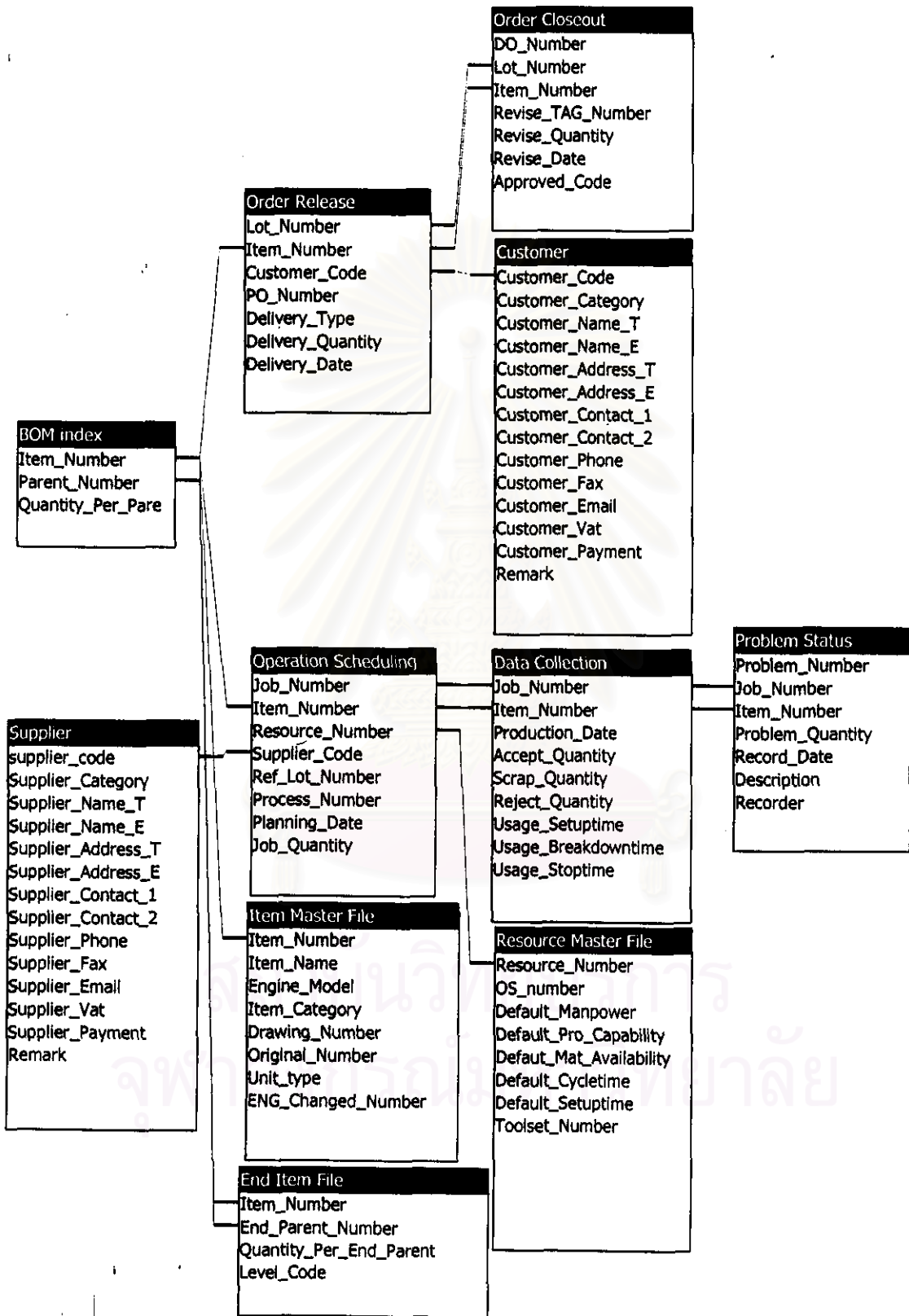


The comparison table between the Existing Production Activity Control System and the Developed Production Activity Control System

The Existing Production Activity Control System	Responsibility	The Developed Production Activity Control System	Responsibility	unchanged	Addition	Improvement	Remove
A1 Order Planning Activity		A1 Order Release Activity					
A11 Collecting the Customer Order Plan	Production Control Section	A11 Preparing the Order Release tasks	Production Control Section			X	
A12 Planning process	Production Control Section	A12 Checking production resource and outside supplier	Production Control Section		X		
A13 Collecting the Component List	Production Control Section	A13 Planning the Final Assembly Schedule (FAS)	Production Control Section	X			X
A14 Planning process for Components	Production Control Section						X
A2 Operation Scheduling Activity		A2 Operation Scheduling Activity					
A21 Operation Scheduling for Assembly		A21 Planning the Work Order Schedule for Assembly Section					
A211 Matching the Component List	Production Department	A211 Assigning the Work Order tasks in Assembly Section	Production Department			X	
A212 Planning Process	Production Department	A212 Verifying the Work Order tasks	Production Department		X		
A22 Operation Scheduling for Machining		A213 Planning the Work Order Schedule	Production Department	X			
A221 Matching the Component List	Production Department	A22 Planning the Work Order Schedule for Machining Section					
A222 Planning Process	Production Department	A221 Assigning the Work Order tasks in Machining Section	Production Department			X	
A23 Operation Scheduling for Die-Casting		A222 Verifying the Work Order tasks	Production Department		X		
A231 Matching the Component List	Production Department	A223 Planning the Work Order Schedule	Production Department	X			
A232 Planning Process	Production Department	A23 Planning the Work Order Schedule for Die-Casting Section					
		A231 Assigning the Work Order tasks in Die-Casting Section	Production Department			X	
		A232 Verifying the Work Order tasks	Production Department		X		
		A233 Planning the Work Order Schedule	Production Department	X			
A3 Production Reporting Activity		A3 Dispatching Activity					
A31 Preparing the Production Resource	Assembly, Machining, Die Casting Sections	A31 Preparing the purchasing plan for outside supplier					
A32 Production Process	Assembly, Machining, Die Casting Sections	A311 Matching and assigning the purchasing tasks	Production Control Section		X		
		A312 Verifying the inventory	Production Control Section		X		
		A313 Planning the purchasing plan	Production Control Section		X		
		A32 Preparing and producing the parts	Assembly, Machining, Die Casting Sections			X	
							X
		A4 Data Collection Activity					
		A41 Verifying the Work Order Report	Assembly, Machining, Die Casting Sections		X		
		A42 Input the Work Order Report	Production Department		X		
		A5 Operation Reporting Activity					
A33 Modifying the Work Order Schedule	Assembly, Machining, Die Casting Sections	A51 Comparing with the Work Order Schedule	Production Department			X	
		A52 Summarizing the operation reporting	Production Department		X		
		A6 Order Closeout Activity					
A34 Updating the Final Assembly Schedule	Production Control Section	A61 Comparing with the Final Assembly Schedule	Production Control Section			X	
		A62 Preparing the delivery order request	Production Control Section		X		
		A63 Preparing back order record	Production Control Section		X		

Relationships for The Developed PAC system

Thursday, September 23, 1999



Production Activity Control

Form: Order Release Database

Order Release

Customer Code: [] Customer Name: [] Order Release ID: []

P/O Number: [] Start Date: [] Input Date: [] Rev. No: [] Calculate

Part Information

Customer Part Code []

SBD Code []

SBD name []

Model []

Step	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	To
List No.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Not Day	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Not Night	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Special part	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Export	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Cumulative	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		

Processing...

Start | Document2 - Microsoft Word | RR | 8:51 PM

Production Activity Control

Form: Schedule Database

Assembly Section

Customer Name: [] Target Plan ID: [] Assembly ID: []

Production Line No: [] BOM Code: [] BOM name: []

Standard Resource: Machine Capability [] Pieces [] Input Date: [] Start Date: []

Man Power [] man/dep [] Initial Stock: [] Pieces []

Setup Time [] Mins [] Rev. No: [] Calculate

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Customer Order	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Normal Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OT Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stock Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Processing...

Start | Document2 - Microsoft Word | RR | 8:52 PM

Production Activity Control
Form Schedule Database

Order: New Open... Set as default Updating

Machining Section

Add assembly plan: [] Info Add Machining ID: []
Production Line No: [] BOM Code: [] BOM name: []

Standard Resource: Machine Capability [] Pieces Input Date: [] Start Date: []
Man Power [] man/day Initial Stock: [] Pieces
Setup Time [] Mins Rev. No: [] Calculate

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Total Assembly Order	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Normal Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OT Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shift #1 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shift #2 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shift #3 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stock Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Processing...
Start | Document2 - Microsoft Word | 8:54 PM

Production Activity Control
Form Schedule Database

Order: New Open... Set as default Updating

Die-Casting Section

Add machining plan: [] Info Add Die-Casting ID: []
Production Line No: [] BOM Code: [] BOM name: []

Standard Resource: Machine Capability [] Pieces Input Date: [] Start Date: []
Man Power [] man/day Initial Stock: [] Pieces
Setup Time [] Mins Rev. No: [] Calculate

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Total Machining Order	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Normal Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OT Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shift #1 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shift #2 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shift #3 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Stock Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Processing...
Start | Document2 - Microsoft Word | 8:55 PM

Production Activity Control

Form: Schedule Database

New Open... Set as default Updating

Supply Section

Order ID: _____ Customer Name: _____ Supply ID: _____

Add Component: _____ BOM Code: _____ Input Date: ____/____/____

Quantity: _____ Add BOM Name: _____ Start Date: ____/____/____

Auto Quantity (may take some time)

Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Order	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Processing...

Start | Document2 - Microsoft Word | RR | 8:56 PM

Production Activity Control

Form: Dispatch Database

New Open... Set as default Updating

Assembly Section

Daily Dispatching List

Assembly Line No: _____ Production Date: ____/____/____ Generate

Normal Plan: _____

Over time Plan: _____

Component BOM & Quantity List

Assembly BOM ID	Bom Name	Qty	Compo BOM ID	BOM Name	Qty	Level
_____	_____	_____	_____	_____	_____	_____

Processing...

Start | Document2 - Microsoft Word | RR | 8:56 PM

Production Activity Control

Form: Dispatch Database

Order: New Open Set as default Updating

Machining Section
Daily Dispatching List

Machining Line No: [] Start Date: [] Generate

Part Information	Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
BOM Code	Normal Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OT Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOM name	SHR #1 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	SHR #2 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Model	SHR #3 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Stock Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Processing...

Start | Document2 - Microsoft Word | 8:57 PM

Production Activity Control

Form: Dispatch Database

Order: New Open Set as default Updating

Dis-casting Section
Daily Dispatching List

Dis-casting Line No: [] Production Date: [] Generate

Part Information	Item	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
BOM Code	Normal Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	OT Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BOM name	SHR #1 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	SHR #2 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Model	SHR #3 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Stock Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Processing...

Start | Document2 - Microsoft Word | 8:57 PM

Production Activity Control

Form: Data Collection

Order New Open... Set as default Updating

Data Collection

Production Line: Machine Capability: Pieces

Production Date: Man Power: Man/Day

BOH Name: Setup Time: Mins

Reported By:

Production Report

Production Period:

Plan: Pieces

Finished Work: Pieces

Scrap: Pieces

MC: Pieces

Total: Pieces

Time Report

Operating Time: Mins

Setup Time: Mins

Tool Change: Mins

Material Storage: Mins

Breakdown: Mins

Others: Mins

Total Working Time: Mins

Processing...

Start | Document2 - Microsoft Word | RR | 8:57 PM

Production Activity Control

Form: Report Data

Order New Open... Set as default Updating

Status Report for Assembly Section

Start Date: Bom Code: Generate

Reported Date: Bom Name:

No.	Line	Date	Production Plan & Actual Data					Delivery Plan & Actual Data				
			Original	Revised	Actual	Different	% Different	Stock	Original	Revised	Actual	Different
<p>สถาบันวิทยบริการ</p> <p>พาลงกรณ์มหาวิทยาลัย</p>												

Processing...

Start | Document2 - Microsoft Word | RR | 8:58 PM

Production Activity Control

Form Report: Database

Order: New Open Set as default Updating

Schedule

Dispatch

Collection

Report

Close Out

Quit

Status Report for Machining Section

Start Date: / / Total production: Bom Code: Generate

Reported Date: / / % Different: Bom Name:

Buttons

Production Plan & Actual Data

No.	Line	Date	Original	Revised	Actual	Different	% Different	Stock

Processing...

Start Document2 - Microsoft Word 8:58 PM

Production Activity Control

Form Report: Database

Order: New Open Set as default Updating

Schedule

Dispatch

Collection

Report

Close Out

Quit

Status Report for Die-Casting Section

Start Date: / / Total production: Bom Code: Generate

Reported Date: / / % Different: Bom Name:

Buttons

Production Plan & Actual Data

No.	Line	Date	Original	Revised	Actual	Different	% Different	Stock

Processing...

Start Document2 - Microsoft Word 8:58 PM

Production Activity Control

Form Database

Order: New Open Set as default Updating

Schedule

Dispatch

Collection

Report

Close Out

Print

Order CloseOut

Customer Code: _____ Customer Name: _____ Order Release ID: _____

P/O No.: _____ Input Date: ____/____/____ Start Date: ____/____/____ Rev. No.: _____

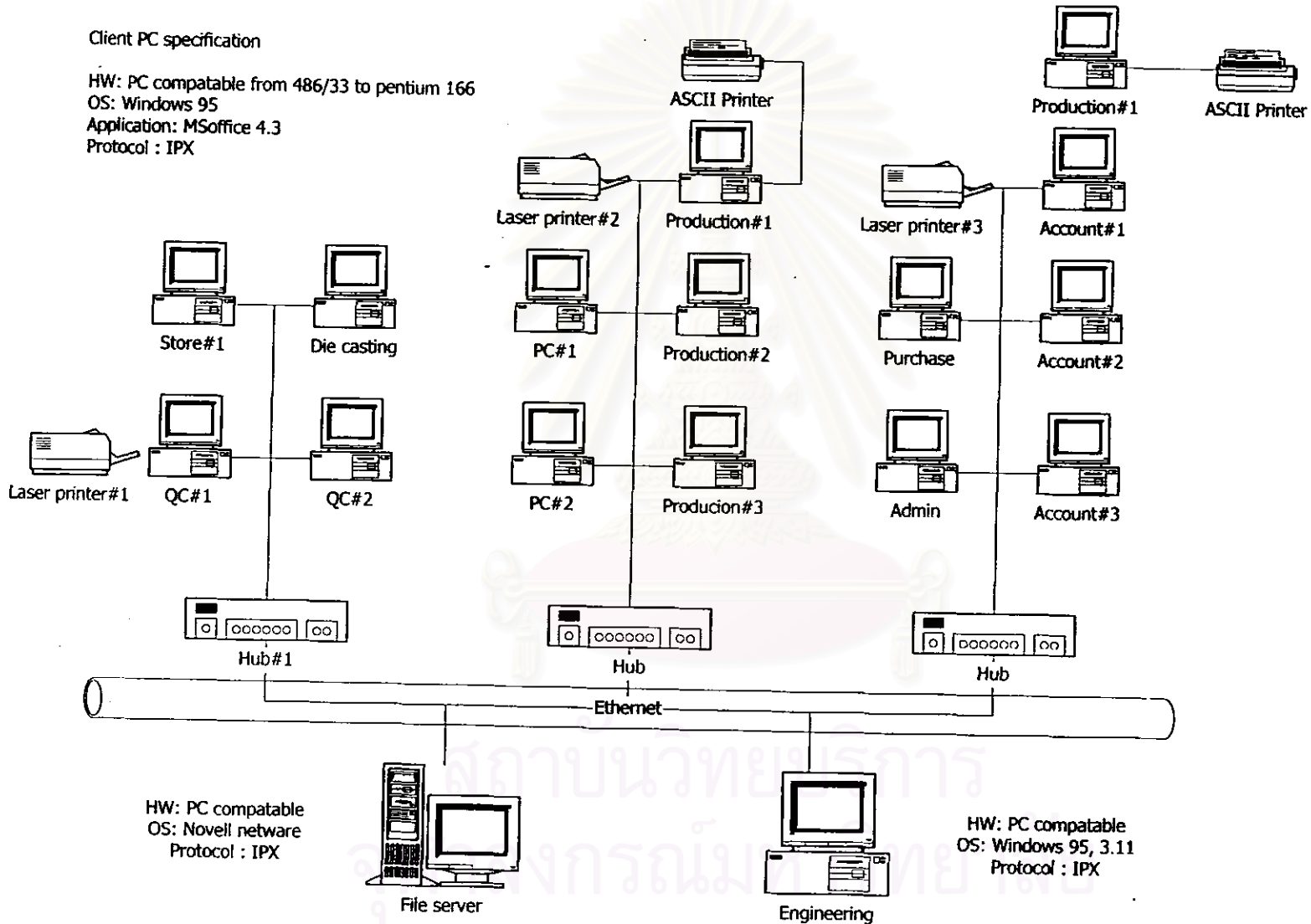
Class Out Calculate

Part Information	Step	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	To	
Customer Part Code	Lot No.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Wor(Day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Wor(Night)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SQM Code	Expanded part	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Export	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SQM name	Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Model	Daily (Day)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Daily (Night)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Daily Spared	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Daily Export	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Daily Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Different	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Continuous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Stock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย

Client PC specification

HW: PC compatible from 486/33 to pentium 166
OS: Windows 95
Application: MSoffice 4.3
Protocol : IPX



Biography

Sitthikorn Manomaiwiboon was born on August 15, 1968 in Bangkok, Thailand. He obtained his Bachelor's Degree in Industrial Engineering from Chulalongkorn University in 1989. He has started working at TBK Krungthep Co.,Ltd. In 1989. In the quality control and assurance manager. In 1994, he set up Maxproof Co.,Ltd. and Robotics Information Technology Co.,Ltd. His job has been developing the engineering issues, marketing, and organizing. His current position now is the owner of those companies. In 1996, he was decided to study in Master Degree of Engineering Management at the Regional Centre of Manufacturing Systems Engineering at Chulalongkorn University and University of Warwick (UK).



สถาบันวิทยบริการ
จุฬาลงกรณ์มหาวิทยาลัย