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**APPENDIX**

**TABLES OF INCOMING-INVENTORY QUANTITY AND OUTGOING-INVENTORY  
QUANTITY OF THE MENTIONED INVENTORY**

**TABLE A.1** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of MULTI-ACCESS RURAL RADIO TELEPHONE (SUBSCRIBER)

Time	IN		OUT		STOCK LEVEL
Sep-94	419	419	0	0	419
Oct-94	0	419	180	180	239
Nov-94	0	419	93	273	146
Dec-94	0	419	36	309	110
Jan-95	3	422	18	327	95
Feb-95	0	422	0	327	95
Mar-95	0	422	0	327	95
Apr-95	0	422	0	327	95
May-95	0	422	0	327	95
Jun-95	0	422	0	327	95
Jul-95	0	422	20	347	75
Aug-95	0	422	20	367	55
Sep-95	0	422	0	367	55
Oct-95	0	422	0	367	55
Nov-95	0	422	0	367	55
Dec-95	0	422	0	367	55
Jan-96	0	422	0	367	55
Feb-96	0	422	0	367	55
Mar-96	0	422	0	367	55
Apr-96	0	422	0	367	55
May-96	0	422	5	372	50
Jun-96	0	422	50	422	0
Jul-96	0	422	0	422	0
Aug-96	0	422	0	422	0
Sep-96	0	422	0	422	0
Oct-96	0	422	0	422	0
Nov-96	0	422	0	422	0
Dec-96	0	422	0	422	0

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.2** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of FIRST ORDER DIGITAL MULTIPLEX EQUIPMENT WITH 4W.E&M SIG

Time	IN		OUT		STOCK LEVEL
Dec-94	566	566	0	0	566
Jan-95	0	566	0	0	566
Feb-95	0	566	0	0	566
Mar-95	0	566	0	0	566
Apr-95	0	566	0	0	566
May-95	0	566	1	1	565
Jun-95	0	566	6	7	559
Jul-95	0	566	0	7	559
Aug-95	0	566	0	7	559
Sep-95	0	566	4	11	555
Oct-95	0	566	6	17	549
Nov-95	0	566	1	18	548
Dec-95	0	566	0	18	548
Jan-96	0	566	2	20	546
Feb-96	0	566	24	44	522
Mar-96	15	581	3	47	534
Apr-96	11	592	16.5	63.5	528.5
May-96	0	592	1	64.5	527.5
Jun-96	1.5	593.5	17	81.5	512
Jul-96	0	593.5	1	82.5	511
Aug-96	0	593.5	44	126.5	467
Sep-96	0	593.5	6	132.5	461
Oct-96	0	593.5	4.5	137	456.5
Nov-96	0	593.5	11.5	148.5	445
Dec-96	0	593.5	2	150.5	443



SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE 4.3** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of UHF DIGITAL RADIO TELEPHONE EQUIPMENT 6CH (SUB&EX)

Time	IN		OUT		STOCK LEVEL
Jun-93	13	13	0	0	13
Jul-93	0	13	0	0	13
Aug-93	0	13	0	0	13
Sep-93	0	13	0	0	13
Oct-93	0	13	0	0	13
Nov-93	0	13	0	0	13
Dec-93	0	13	0	0	13
Jan-94	0	13	0	0	13
Feb-94	0	13	0	0	13
Mar-94	44	57	0	0	57
Apr-94	0	57	5	5	52
May-94	0	57	1	6	51
Jun-94	0	57	0	6	51
Jul-94	0	57	2	8	49
Aug-94	0	57	2	10	47
Sep-94	0	57	3	13	44
Oct-94	0	57	1	14	43
Nov-94	0	57	1	15	42
Dec-94	0	57	2	17	40
Jan-95	0	57	3	20	37
Feb-95	1	58	3	23	35
Mar-95	0	58	2	25	33
Apr-95	0	58	2	27	31
May-95	46	104	4	31	73
Jun-95	1	105	20	51	54
Jul-95	0	105	0	51	54
Aug-95	0	105	0	51	54
Sep-95	0	105	1	52	53
Oct-95	0	105	1	53	52
Nov-95	0	105	1	54	51
Dec-95	0	105	0	54	51
Jan-96	0	105	0	54	51
Feb-96	0	105	3	57	48
Mar-96	0	105	2	59	46
Apr-96	0	105	8	67	38
May-96	0	105	5	72	33
Jun-96	0	105	5	77	28
Jul-96	0	105	2	79	26
Aug-96	0	105	1	80	25
Sep-96	0	105	0	80	25
Oct-96	0	105	4	84	21
Nov-96	0	105	2	86	19
Dec-96	0	105	2	88	17

SOURCE : Telephone Organization of Thailand. inventory Card

**TABLE 4.4** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of 2GHZ DIGITAL MICROWAVE RADIO EQUIPMENT (8MBPS)

Time	IN		OUT		STOCK LEVEL
Apr-95	16	16	0	0	16
May-95	0	16	0	0	16
Jun-95	0	16	0	0	16
Jul-95	0	16	0	0	16
Aug-95	0	16	0	0	16
Sep-95	0	16	0	0	16
Oct-95	0	16	0	0	16
Nov-95	0	16	0	0	16
Dec-95	0	16	0	0	16
Jan-96	0	16	0	0	16
Feb-96	0	16	1	1	15
Mar-96	0	16	0	1	15
Apr-96	0	16	1	2	14
May-96	0	16	1	3	13
Jun-96	0	16	0	3	13
Jul-96	0	16	0	3	13
Aug-96	0	16	0	3	13
Sep-96	0	16	1	4	12
Oct-96	0	16	0	4	12
Nov-96	0	16	0	4	12
Dec-96	0	16	0	4	12

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.5** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of RADIO SET AND EQUIPMENT FOR MICROWAVE 13GHZ 34MB

Time	IN		OUT		STOCK LEVEL
Sep-95	11	11	0	0	11
Oct-95	0	11	0	0	11
Nov-95	0	11	0	0	11
Dec-95	0	11	1	1	10
Jan-96	0	11	0	1	10
Feb-96	0	11	0	1	10
Mar-96	0	11	1	2	9
Apr-96	0	11	2	4	7
May-96	0	11	0	4	7
Jun-96	0	11	0	4	7
Jul-96	0	11	0	4	7
Aug-96	0	11	0	4	7
Sep-96	0	11	3	7	4
Oct-96	0	11	0	7	4
Nov-96	0	11	0	7	4
Dec-96	0	11	0	7	4

SOURCE : Telephone Organization of Thailand. Inventory Card



**TABLE A.6** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of HARDWARE FOR MAINTENANCE CENTER

Time	IN		OUT		STOCK LEVEL
May-95	8	8	0	0	8
Jun-95	0	8	0	0	8
Jul-95	0	8	0	0	8
Aug-95	0	8	0	0	8
Sep-95	0	8	0	0	8
Oct-95	0	8	0	0	8
Nov-95	0	8	0	0	8
Dec-95	0	8	0	0	8
Jan-96	0	8	0	0	8
Feb-96	0	8	0	0	8
Mar-96	0	8	0	0	8
Apr-96	0	8	0	0	8
May-96	0	8	0	0	8
Jun-96	0	8	0	0	8
Jul-96	0	8	0	0	8
Aug-96	0	8	0	0	8
Sep-96	0	8	8	8	0
Oct-96	0	8	0	8	0
Nov-96	0	8	0	8	0
Dec-96	0	8	0	8	0

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.7** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of 34M MUX EQUIPMENT FOR NE 5530AA (2 SYS / ST)

Time	IN		OUT		INVENTORY
Sep-95	50	50	0	0	50
Oct-95	0	50	0	0	50
Nov-95	0	50	0	0	50
Dec-95	0	50	0	0	50
Jan-96	0	50	0	0	50
Feb-96	0	50	0	0	50
Mar-96	0	50	0	0	50
Apr-96	0	50	0	0	50
May-96	0	50	0	0	50
Jun-96	0	50	2	2	48
Jul-96	0	50	0	2	48
Aug-96	0	50	0	2	48
Sep-96	0	50	0	2	48
Oct-96	0	50	0	2	48
Nov-96	56	106	20	22	84
Dec-96	0	106	41	63	43

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE 4.8** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of DIGITAL SPEECH INTERPOLATION (SYSTEM LINE DOUBLE) 1 LINK

Time	IN		OUT		STOCK LEVEL
Sep-92	60	60	0	0	60
Oct-92	0	60	0	0	60
Nov-92	0	60	0	0	60
Dec-92	0	60	0	0	60
Jan-93	0	60	0	0	60
Feb-93	0	60	0	0	60
Mar-93	0	60	0	0	60
Apr-93	0	60	0	0	60
May-93	0	60	0	0	60
Jun-93	0	60	0	0	60
Jul-93	0	60	0	0	60
Aug-93	0	60	4	4	56
Sep-93	0	60	2	6	54
Oct-93	0	60	0	6	54
Nov-93	0	60	0	6	54
Dec-93	274	334	10	16	318
Jan-94	0	334	6	22	312
Feb-94	0	334	4	26	308
Mar-94	290	624	18	44	580
Apr-94	0	624	23	67	557
May-94	0	624	0	67	557
Jun-94	0	624	87	154	470
Jul-94	0	624	30	184	440
Aug-94	0	624	44	228	396
Sep-94	6	630	17	245	385
Oct-94	0	630	74	319	311
Nov-94	0	630	64	383	247
Dec-94	0	630	3	386	244
Jan-95	0	630	0	386	244
Feb-95	0	630	2	388	242
Mar-95	0	630	0	388	242
Apr-95	0	630	11	399	231
May-95	0	630	43	442	188
Jun-95	0	630	8	450	180
Jul-95	0	630	9	459	171
Aug-95	0	630	2	461	169
Sep-95	0	630	12	473	157
Oct-95	0	630	0	473	157
Nov-95	0	630	16	489	141
Dec-95	0	630	0	489	141
Jan-96	0	630	10	499	131
Feb-96	0	630	4	503	127
Mar-96	0	630	18	521	109
Apr-96	0	630	32	553	77
May-96	0	630	2	555	75
Jun-96	0	630	48	603	27
Jul-96	0	630	2	605	25
Aug-96	0	630	8	613	17
Sep-96	0	630	6	619	11
Oct-96	0	630	0	619	11
Nov-96	0	630	10	629	1
Dec-96	0	630	0	629	1

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.9** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of DIGITAL MICROWAVE CAPACITY 34MB WITH MULTIPLEX EQUIPMENT

Time	IN		OUT		STOCK LEVEL
Dec-93	8	8	0	0	8
Jan-94	0	8	0	0	8
Feb-94	0	8	0	0	8
Mar-94	0	8	0	0	8
Apr-94	0	8	0	0	8
May-94	0	8	0	0	8
Jun-94	0	8	0	0	8
Jul-94	0	8	0	0	8
Aug-94	0	8	0	0	8
Sep-94	0	8	0	0	8
Oct-94	0	8	0	0	8
Nov-94	0	8	0	0	8
Dec-94	0	8	0	0	8
Jan-95	0	8	0	0	8
Feb-95	0	8	0	0	8
Mar-95	0	8	0	0	8
Apr-95	0	8	0	0	8
May-95	0	8	0	0	8
Jun-95	0	8	0	0	8
Jul-95	0	8	0	0	8
Aug-95	0	8	0	0	8
Sep-95	0	8	0	0	8
Oct-95	0	8	0	0	8
Nov-95	0	8	0	0	8
Dec-95	0	8	0	0	8
Jan-96	0	8	0	0	8
Feb-96	0	8	0	0	8
Mar-96	0	8	0	0	8
Apr-96	0	8	0	0	8
May-96	0	8	0	0	8
Jun-96	0	8	0	0	8
Jul-96	0	8	0	0	8
Aug-96	0	8	0	0	8
Sep-96	0	8	0	0	8
Oct-96	0	8	0	0	8
Nov-96	0	8	0	0	8
Dec-96	0	8	2	2	6

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE 4.10** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of FIRST ORDER MUX (N 500SERIES)

Time	IN		OUT		STOCK LEVEL
Feb-95	20	20	0	0	20
Mar-95	0	20	0	0	20
Apr-95	0	20	0	0	20
May-95	0	20	0	0	20
Jun-95	0	20	0	0	20
Jul-95	0	20	0	0	20
Aug-95	0	20	0	0	20
Sep-95	0	20	0	0	20
Oct-95	0	20	0	0	20
Nov-95	0	20	0	0	20
Dec-95	0	20	0	0	20
Jan-96	0	20	0	0	20
Feb-96	0	20	0	0	20
Mar-96	0	20	0	0	20
Apr-96	0	20	0	0	20
May-96	0	20	0	0	20
Jun-96	0	20	0	0	20
Jul-96	0	20	3	3	17
Aug-96	0	20	0	3	17
Sep-96	0	20	0	3	17
Oct-96	0	20	3	6	14
Nov-96	0	20	0	6	14
Dec-96	0	20	0	6	14

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.11** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of 2GHZ DIGITAL MICROWAVE RADIO EQUIPMENT (34 MBPS)

Time	IN		OUT		STOCK LEVEL
Dec-94	4	4	0	0	4
Jan-95	0	4	0	0	4
Feb-95	0	4	0	0	4
Mar-95	0	4	0	0	4
Apr-95	0	4	0	0	4
May-95	0	4	0	0	4
Jun-95	0	4	0	0	4
Jul-95	0	4	0	0	4
Aug-95	0	4	0	0	4
Sep-95	0	4	1	1	3
Oct-95	0	4	0	1	3
Nov-95	3	7	0	1	6
Dec-95	0	7	0	1	6
Jan-96	0	7	1	2	5
Feb-96	0	7	0	2	5
Mar-96	0	7	1	3	4
Apr-96	0	7	0	3	4
May-96	0	7	0	3	4
Jun-96	0	7	0	3	4
Jul-96	0	7	0	3	4
Aug-96	0	7	0	3	4
Sep-96	0	7	0	3	4
Oct-96	0	7	1	4	3
Nov-96	0	7	0	4	3
Dec-96	0	7	0	4	3

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.12** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of 140MBPS DIGITAL MUX EQUIPMENT (FULL SYSTEM)

Time	IN		OUT		INVENTORY
Feb-95	2	2	0	0	2
Mar-95	0	2	0	0	2
Apr-95	0	2	0	0	2
May-95	0	2	0	0	2
Jun-95	0	2	0	0	2
Jul-95	0	2	0	0	2
Aug-95	0	2	0	0	2
Sep-95	0	2	0	0	2
Oct-95	0	2	0	0	2
Nov-95	0	2	0	0	2
Dec-95	0	2	0	0	2
Jan-96	0	2	0	0	2
Feb-96	0	2	1	1	1
Mar-96	0	2	0	1	1
Apr-96	1	3	1	2	1
May-96	0	3	0	2	1
Jun-96	0	3	0	2	1
Jul-96	0	3	0	2	1
Aug-96	0	3	0	2	1
Sep-96	0	3	0	2	1
Oct-96	0	3	0	2	1
Nov-96	0	3	0	2	1
Dec-96	0	3	0	2	1

SOURCE : Telephone Organization of Thailand. Inventory Card

**TABLE A.13** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of DIGITAL LINE CONCENTRATOR DCS-20 FOR 2 MBPS PCM TRANSMISSION

Time	IN		OUT		STOCK LEVEL
Feb-95	10	10	0	0	10
Mar-95	0	10	0	0	10
Apr-95	0	10	0	0	10
May-95	0	10	0	0	10
Jun-95	0	10	0	0	10
Jul-95	0	10	2	2	8
Aug-95	0	10	0	2	8
Sep-95	0	10	0	2	8
Oct-95	1	11	0	2	9
Nov-95	0	11	0	2	9
Dec-95	0	11	0	2	9
Jan-96	0	11	0	2	9
Feb-96	0	11	0	2	9
Mar-96	0	11	0	2	9
Apr-96	0	11	0	2	9
May-96	0	11	0	2	9
Jun-96	0	11	0	2	9
Jul-96	0	11	0	2	9
Aug-96	0	11	0	2	9
Sep-96	0	11	0	2	9
Oct-96	0	11	0	2	9
Nov-96	0	11	0	2	9
Dec-96	0	11	0	2	9

SOURCE : Telephone Organization of Thailand. Inventory Card



**TABLE A.14** Incoming-inventory Quantity (IN) and Outgoing-inventory Quantity (OUT) of MICROWAVE MINILINK EQUIPMENT 13GHZ 34MB

Time	IN		OUT		STOCK LEVEL
Mar-94	8	8	0	0	8
Apr-94	0	8	0	0	8
May-94	0	8	0	0	8
Jun-94	0	8	1	1	7
Jul-94	0	8	0	1	7
Aug-94	0	8	0	1	7
Sep-94	0	8	0	1	7
Oct-94	0	8	1	2	6
Nov-94	0	8	0	2	6
Dec-94	0	8	2	4	4
Jan-95	0	8	0	4	4
Feb-95	0	8	0	4	4
Mar-95	0	8	1	5	3
Apr-95	0	8	0	5	3
May-95	0	8	1	6	2
Jun-95	0	8	0	6	2
Jul-95	0	8	0	6	2
Aug-95	0	8	0	6	2
Sep-95	0	8	0	6	2
Oct-95	0	8	0	6	2
Nov-95	0	8	0	6	2
Dec-95	0	8	0	6	2
Jan-96	0	8	0	6	2
Feb-96	0	8	0	6	2
Mar-96	0	8	0	6	2
Apr-96	0	8	0	6	2
May-96	0	8	0	6	2
Jun-96	0	8	0	6	2
Jul-96	0	8	0	6	2
Aug-96	0	8	0	6	2
Sep-96	0	8	0	6	2
Oct-96	0	8	0	6	2
Nov-96	0	8	0	6	2
Dec-96	0	8	0	6	2

SOURCE : Telephone Organization of Thailand. Inventory Card

## VITAE

Miss Duangkhae Vetchasart was born in Bangkok on Jan. 6, 1973. In 1990, she studied at the Faculty of Engineering, Chulalongkorn University and received a Bachelor Degree in Industrial Engineering in 1993. After graduation, she worked as an engineer at Isuzu Motors Co., (Thailand) Ltd. for 1 year and worked as a sales engineer at FUCHS Lubricants Thailand Ltd. for 8 months. She started to study Engineering Management for Master Degree at Regional Centre for Manufacturing Systems Engineering as a full-time student in 1996.

