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ICS Requirement List

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ED	DATE	CHANGE NOTE	APPRAISAL AUTHORITY	ORIGINATOR
RIM & CRIM Item Change Status Summary				
ED	11			
ALCATEL AUSTRALIA			3AU 00700 AAAA AHZZA	1/30

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1 SCOPE

This document summarises the ICS history of RIM and CRIM units. Also incorporated into this document is the ICS of the Lowest Operational Revision (LOR) unit for each (C)RIM release and the ICS of the Full Feature Version (FFV) unit that can be used for all (C)RIM releases.

2 DEFINITIONS

Least Operational Revision (LOR), is the lowest revision of an item which can be used in a RIM of a particular release. This does not imply this revision supports all the features of later revisions or version. For example, the LOR for the ECC in a Release 4 RIM is ICS02. However in a Release 8 RIM, a later version of the ECC is required, the LOR is ICS03

Full Feature Version (FFV), is the revision or variant of an item which supports all possible features of that item. For example, the POTS EU 3AU 00838 AAAA, can be used in any release of RIM and will deliver the service for which it was designed. However, it does not support all the possible features of the POTS EU because it does not support CLIP. The FFV versions of the POTS EU are those which support all possible features (the BAAB and BAAC variants).

DISCLAIMER:

Although some units are indicated as being FFV, this does not imply that cards of earlier revision can be returned to Alcatel for upgrade. For full details of commercial arrangements applying to Full Feature Version, contact Alcatel RIM Marketing.

3 KEY

The following key applies:

PBA part numbers in **bold** indicate units currently supplied in deliveries to Telstra.

ICS numbers in **bold** indicate valid ICS for units sent to Telstra via Alcatel Field Repair Centre.

TAN,RCN,PCP Indicates relevant document for the ICS of the unit.

Where the LOR is the same for all the releases that the unit can be used in, the LOR box is marked with a cross. Where the LOR is different for different releases that the unit can be used in, the LOR box contains the release number, or housing type as appropriate.

The FFV column marked with a cross indicates the ICS and variant of the Full Feature Version unit.

Example:

This means the card can be used in all RIM Releases.

For Release 3.1, 4.0.1, 7.1 and 6.1 systems the CLIMCTL must be ICS06 or greater.

For Release 8.0 and 8.2 systems the CLIMCTL must be ICS07 or greater.

Details of ICS changes

For Release 3.0 systems the CLIMCTL must be ICS05 or greater.

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
CLIMCTL 3AU 00858 AAAA	07	8.0 8.2	X	EPROM fitted (ICS 13), Improve humidity sensor fail alarm thresholds, to back up fan states when the cabinet door is opened.		
All Releases	06	3.1 4 7.1 6.1		Rel 3.1 EPROM fitted (ICS06)		
	05	3.0		Release 3 Eprom fitted (ICS05)		
	04			Rel 2 Eprom fitted (ICS04) — Rel 2 only		
	03			Delete C5A (hot insert issue)		
	02			New Front Plate used (CLIMCTL specific)		
	01			Original issue (FIU Front Plate)		

4 ABBREVIATIONS

CRIM	Compact RIM
FFV	Full Feature Version
ICS	Item Change Status
LOR	Least Operational Requirement
PBA	Printed Board Assembly
PCP	Product Change Proposal
RCN	RIM Change Notification
RIM	Remote Integrated Multiplexer
TAN	Technical Advice Note
1G	First Generation
2G	Second Generation

5 RIM AND COMPACT RIM PARTS

5.1 Alphabetical Listing of Boards

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
2B1Q UNIT 3AU 00852 AAAA All Releases	04			Replacement of defective relay batches	Jun '98	RCN 104
	03			Firmware upgrade PCP81 – change to multipoint EOC protocol for DMS interworking	Oct '96	PCP 81
	02	X	X	Production Release	May '95	
	01			Field Trial Release		
2B1Q UNIT 3AU 00852 ABAA All Releases	03	X	X	Field Trial Release	Nov '98	
2DME 491104 Release 3.0, 3.1, 4.0.1, 6.1	03	X	X	Original for RIM	Oct '92	
34M ELECTRICAL 3AU 04210 AAAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Original issue	Nov '95	
4B3T UNIT 3AU 00854 AAAA All Releases	03			Replacement of defective relay batches	Jun '98	RCN 104
	02			Firmware upgrade (IC84–ICS02) to improve TFA handling	May '95	
	01	X	X	Production Release		
4/6 WIRE 3AU 00844 AAAA All Releases	04			Replacement of defective relay batches	Jun '98	RCN 104
	03			GALs supplied to AAL pre-programmed	Mar '94	
	02			Earthing improvement on Microcontroller	Feb '93	
	01	X	X	Original issue	Jan '93	
64K DATA 3AU 00880 AAAA All Releases	02			New variant received Overseas Part 772 52188 AAJA PCS4	Aug '93	
	01	X	X	Original issue. Overseas Part 772 52188 AAJA PCS3	Jan '93	
ASU 504975 Release 3.0, 3.1, 4.0.1, 6.1	02	X		Current revision for Rel 1 Field Trial and now	Oct '92	

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3AU 00700 AAAA AHZZA

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
ASU 3AU 00890 AAAA (supports optical OA&M) Release 3.0, 3.1, 4.0.1, 6.1	05			X282 re-programmed and cut & strap implemented to free up Q2 bus in the event of reflection alarm on Single Fibre Optical Unit.	Oct '95	
	04			X282 re-programmed to improve Q2 bus timing to RMU due to RU loss	May '95	
	03	X	X	Final Release to Production	Jul '94	
	02			Modified DEM1 unit	May '94	
	01			DEM1 unit	May '94	
CLIMATE I/O 3AU 00860 AAAA Release 3.0, 3.1, 4.0.1, 6.1	07	X	X	Level shift resistors changed to 47k, and 23 resistors added (one per fan tachometer input) Note: Boards below ICS07 are not compatible with "ruggedised" fans.	Dec '93	TAN 6
	06			Level shift resistors changed to 470k	Nov '93	
	05			1 cut, 1 strap to stop hot insertion problems	Oct '93	
	04			Add strap between fan earth and logic earth (hot insertion improvement)	Mar '93	
	03			Level shift resistors changed (in preparation for "ruggedised" fans)	Dec '92	
	02			New PCB layout		
	01			Original issue (Field Trial)	Oct '92	
CLIMATE I/O DUAL VOLTAGE 3AU 00860 BAAA All Releases	05			Improve high voltage tolerance.	Oct '97	
	04	X	X	Fix for hot insertion	Aug '96	
	03			Modified for Volume production.	April '96	
	02			Modified for Field Trial.	Dec '95	
	01			Original release. Introduced at Telstra's request to alleviate the Fan noise problems identified.	Oct '95	

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
CLIMCTL 3AU 00858 AAAA All Releases	07	8.0 8.2	X	EPROM fitted (ICS 13) , Improve humidity sensor fail alarm thresholds, to back up fan states when the cabinet door is opened.	Sep '97	PCP 84
	06	3.1 4 6.1 7.1		Rel 3.1 EPROM fitted (ICS 09)	Nov '95	
	05	3.0		Rel 3 Eprom fitted (ICS06)	Sept '94	
	04			Rel 2 Eprom fitted (ICS04) – Rel 2 only	Jan '94	
	03			Delete C5A (hot insert issue)	Apr '93	
	02			New Front Plate used (CLIMCTL specific)		
	01			Original issue (FIU Front Plate)	Oct '92	
CMX 3AU 16420 AAAA Release 8.0, 8.2	03			Flash S/W update preventing lockup on reset	June '99	
	02	X	X	Update flash software	Jun '97	
	01			Original Issue, pilot	May '97	
COPB 3AU 00866 AAAA Release 3.0, 3.1, 4.0.1, 6.1	04			Schottky diodes added for redundant functions Overseas Part 3AL 05382 BAAA PCS4		
	03			IC change for Redundant Common Panel function Overseas Part 3AL 05382 BAAA PCS3		
	02			Change in Remote Inventory chip supplier Overseas Part 3AL 05382 BAAA PCS2		
	01	X	X	Original issue Overseas Part 3AL 05382 BAAA PCS1		
COXB 3AU 00874 AAAA Release 3, 3.1, 4.0.1, 6.1	06			H6060 Power monitor 4.65 to 4.5 Add 1uF in parallel with R512 Change R507 from 47k5 to 43k2 Overseas Part 3AL 05339 AAAA PCS4	Jun '95	
	05			Power buffer cap increased 10 to 100uF for redundancy operation Overseas Part 3AL 05339 AAAA PCS3		
	04			SW ICS increase from 01–02. (Inclusion of 7 alternate cross–connect maps) Overseas Part 3AL 05339 AAAA PCS2		
	03			Board received by AAL fully prog'med, new PCB layout. Includes pull–up resistors on 4M bus inputs. Overseas Part 3AL 05339 AAAA PCS1		
	02			EEPROM supplier changed Overseas Part 3AL 05384 AAAA PCS3		
	01	X	X	Original issue Overseas Part 3AL 05384 AAAA		

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
CTU 3AU 00862 AAAA All Releases	13		X	ICS11 Eprom (P-Phone service) Overseas Part 745 15296 AAAA ICS3	Jan '98	
	12	6.1 8.0 8.2		ICS10 Eprom Overseas Part 745 15296 AAAA ICS3	Oct '97	
	08			ICS09 Eprom. Overseas Part 745 15296 AAAA ICS3	Sep '97	
	07	3.1 4 7.1		Rel 3.1 SW fitted – ICS08 Eprom. Includes SW fix to "Q2 comms error" alarm if Foreign Battery present on line > 10V. Overseas Part 745 15296 AAAA ICS3	Nov '95	
	06			Replaced X109 with a new Power reset chip, MAX 694, to eliminate incorrect start up. Overseas Part 745 15296 AAAA ICS3	Aug '95	
	05			Eprom SW increased to ICS07 to correct O/S Factory Test problem due to new EEPROM supplier Overseas Part 745 15296 AAAA ICS2	Jul '95	
	04	3.0		Rel 3 SW fitted – ICS06 Eprom. Eliminates 'uP Fail' and 'AIC Fail' alarm. Overseas Part 745 15296 AAAA ICS2	Sept '94	
	03			R470 removed, 2 uC pins strapped to gnd, unit fitted with ICS03 software Overseas Part 745 15296 AAAA ICS2	May '94	
	02			Board fitted with ICS04 software Overseas Part 745 15296 AAAA ICS1	Jan '94	
	01			Original issue Overseas Part 745 15296 AAAA ICS1	Jan '93	TAN4
CTU 3AU 00862 AABA All Releases	13		X	Incorporate FLASH Eprom at ICS11 (P-Phone service) Overseas Part 745 15296 AABA ICS5	Jan '98	
	12	6.1 8.0 8.2		Incorporate FLASH Eprom at ICS10 Overseas Part 745 15296 AABA ICS5	Oct '97	RCN 100
	10			Incorporate FLASH Eprom at ICS09 (Release 8) Overseas Part 745 15296 AABA ICS5	Sep '97	
	09			Incorporate FLASH Eprom at ICS08 Overseas Part 745 15296 AABA ICS5	Aug '97	
	08	3.0 4 7.1		New PCB layout to include cut and strap for FLASH Eprom compatibility Overseas Part 745 15296 AABA ICS4	July '96	

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
CXDU 3AU 16407 AAAA Release 7.1, 8.0, 8.2	01	X	X	Original Issue	May '96	
ECC 3AU 04101 AAAA Release 4.0.1, 6.1, 8.0, 8.2	04		X	Increase DRAM refresh rate	Aug '98	RCN 107
	03	8.0 8.2		Modification to hardware to prevent lockup after software reset.	Jan '97	TAN 45
	02	4 6.1		Modifications for volume production	Aug '95	
	01			Original Issue	Sept '94	
ECTU 3AU 24757 AAAA Release 6.1, 8.2	01	X	X	Original Issue	Dec '98	
ERMU 3AU 04215 AAAA Release 3.1, 4.0.1, 6.1, 7.1, 8.0, 8.2	03			Increase DRAM refresh rate	Aug '98	RCN 107
	02			Real Time Clock and EU/RU Modifications.	Sept '96	
	01	X	X	Locally manufactured. Enhanced RMU for COMNET-2. Replaces RMU - 3AU 00898 AAAA.	Nov '95	
ERMU 3AU 04215 AAAB Release 3.1, 4.0.1, 6.1, 7.1, 8.0, 8.2	03			Increase DRAM refresh rate	Aug '98	RCN 107
	02	X	X	New PBA	Sept '96	
ERMU 3AU 04215 ABAA Release 3.1, 4.0.1, 6.1, 7.1, 8.0, 8.2	01	X	X	Remove components associated with PCMCIA interface	Apr '99	
FABC 3AU 16218 ABAA Release 7.1, 8.0, 8.2 180 Line Hsg. only	02	X		Prevent false DC fail alarm from activating	May '97	TAN 49
	01			New Functional variant incorporating various Telstra requests	Oct '96	PCP 75,76
FABD 3AU 24114 AAAA Release 7.1, 8.0, 8.2	01	X	X	Original Issue	Oct '97	
ICC 3AU 04800 AAAA Release 8.0, 8.2	01	X	X	Original Issue	Oct '97	

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
LT POWER 3AU 00891 AAAA All Releases	05	X		AAL P/N 3AU 00891 AAAA now delivered (this is 1.5mm narrower than 440992) Note: 440992 is too wide to allow 2nd Power Unit in Line Transmission Panel. The two units are electrically identical.		
	05			PCS05 – AAL P/N 440992 originally delivered		
LT POWER 3AU 00891 BAAA All Releases	04			Trimpots and capacitors replaced	Sept '99	
	03			No laquer, heatsinks added to 12V supply	May '99	
	02			Laquer added to 200 units	Mar '99	
	01	X	X	Original issue. Autorestart function added	Dec '98	
LTCTL 3AU 00856 AAAA All Releases	07	3.1 4 6.1 7.1 8.0 8.2	X	Rel 3.1 EPROM fitted (ICS 09)	Nov '95	
	06	3.0		Rel 3 Eprom fitted (ICS06)	Sept '94	
	05			R19–22 changed from 100k to 10k to fix "ALM TEST" switch debounce ccts	Aug '94	
	04			Rel 2 Eprom fitted (ICS04) – Rel 2 only	Jan '94	
	03			Delete C5A (hot insert issue)	Apr '93	
	02			New Front Plate used (LTCTL specific)		
	01			Original issue (FIU Front Plate)	Sep '92	
MFC/PT UNIT 3AU 00846 AAAA Release 3.0, 3.1	01	X	X	Original issue	Jan '94	
MONITOR MODULE 3AU 11005 AAAA All Releases	02			Instability of display fixed	Jan '97	
	01	X	X	Original Issue		

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
NMQB 3AU 00868 AAAA Release 3.0, 3.1, 4.0.1, 6.1	08	3.1 4 6.1	X	Rel 3.1 SW fitted – ICS05 Eprom. Overseas Part 3AL 05390 AAAC PCS1	Nov '95	
	07			New PCB layout Overseas Part 3AL 05390 AAAC PCS1	Jul '95	
	06			Bypass request flip–flops Overseas Part 3AL 05390 AAAB PCS4		
	05	3.0		Fuse re–instated, IC changed instead. Eprom update to ICS04 Overseas Part 3AL 05390 AAAB PCS3	Dec '94	
	04			New PCB layout Overseas Part 3AL 05390 AAAB PCS2		
	03			Replace fuse with wire link Overseas Part 3AL 05390 AAAA PCS4		
	02			AAL changes now done by Europe Overseas Part 3AL 05390 AAAA PCS3		
	01			Original issue Overseas Part 3AL 05390 AAAA PCS2		
NMQB 3AU 00868 AABA Release 3.0, 3.1, 4.0.1, 6.1	03	3.1 4 6.1	X	Rel 3.1 SW fitted – ICS05 Eprom. Overseas Part 3AL 05390 CAAC PCS1	Nov '95	
	02			New PCB layout Overseas Part 3AL 05390 CAAC PCS1	Jul '95	
	01	3.0		Original issue Overseas Part 3AL 05390 CAAB PCS2		
OLTE 8M DUAL FIBRE 491121 Release 3.0, 3.1, 4.0.1, 6.1	04	X	X	Original for RIM	Oct '92	
OLTE 34M DUAL FIBRE 504676 Release 3.0, 3.1, 4.0.1, 6.1	02			Change in eyelets used.		
	01	X	X	Issue at RIM field trial	Oct '92	
OLTE 34M SINGLE FIBRE OPTICAL (HIGH POWER) 3AU 04205 AAAA Release 3.0, 3.1, 4.0.1, 6.1	02	X	X	Original issue	Nov '95	
	01			DEM release		

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
OLTE 34M SINGLE FIBRE OPTICAL (LOW POWER) 3AU 04205 ABAA Release 3.0, 3.1, 4.0.1, 6.1	02	X	X	Original issue	Nov '95	
	01			DEM release		
OMX 4X2Mb/s SF 3AU 16403 AAAA Release 7.1, 8.0, 8.2	03			Firmware upgrade to improve operation in unsupervised mode	Aug '96	
	02	X	X	Modified for volume production	June '96	
	01			Original Issue (for pilot production)	Mar '96	
OMX 16x2Mb/s SF 3AU 16405 AAAA Release 7.1, 8.0, 8.2	03			Firmware upgrade to improve operation in unsupervised mode	Aug '96	
	02	X	X	Modified for volume production	June '96	
	01			Original Issue (for pilot production)	Mar '96	
OMXP 16x2Mb/s SF 3AU 16075 AAAA Release 7.1, 8.0, 8.2	01	X	X	Original Issue, 1 + 1 functionality	May '99	
OPTOMUX 504695 Release 3.0, 3.1, 4.0.1, 6.1	06	X		New PCB Layout		
	05			Issue at Rel 1 Field Trial	Oct '92	
OPTOMUX 3AU 04400 AAAA (supports optical OA&M) Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Original Issue	Sept '94	
PCMCC 3AU 16103 AAAA Release 7.1, 8.0, 8.2	05			Increase DRAM refresh rate	Aug '98	RCN 107
	04			Modification to hardware to improve 12V flash switching time	July '97	RCN 99
	03	X	X	Modification to hardware to prevent lockup after software reset.	Jan '97	TAN 42
	02			Modified for volume production	June '96	
	01			Original Issue (for pilot production)	Jan '96	

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3AU 00700 AAAA AHZZA

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
PCMCX 3AU 00834 AAAA All Releases	08			Add C237, change C236 to prevent fleeting PWRA alarms in APs and TIPs	July '94	TAN8
	07			Add C236 to prevent fleeting PWRA Fail alarms in APs	Jun '94	
	06			Improve 4M O/P timing, Driver IC selection	Mar '94	
	05			Improve parity generator timing	Oct '93	
	04	X		Add resistor to RI cct, so RI can be read	Sep '93	
	03			Desensitise to clock cable length	Jun '93	
	02			Elimination of EU – RU synchronisation problems	Mar '93	TAN1
	01			Original issue	Jan '93	
PCMCX 3AU 00834 ABAA All Releases	07			R451 – 10k, R468 – 9k1, C487 – 10nF. ZCD threshold lowered to increase margin at w.c temp, Vbat and load.	July '95	
	06			SW Release no. label added	Dec '94	TAN8
	05			Add C237, change C236 to prevent fleeting PWRA alarms in APs and TIPs	July 94	
	04			C236 (220nF) added to prevent fleeting PWRA alarms in APs	June '94	
	03			New PCB used – 3AU 00835 BAAB. 4Mb/s data O/P timing – cut and strap	Mar '94	
	02			Unit made using 3AU 00834 AAAA ICS06 PBA	Mar '94	
	01	X	X	Unit made using 3AU 00834 AAAA ICS05 PBA	Dec '93	
PCMCX 3AU 00834 ABAB All Releases	07	X	X	New PCB	July '95	
PCMCX CC 3AU 00834 BAAA Release 3.0, 3.1 Note: 1.The PBA is the same as ABAA variant with different flash SW	07			R451 – 10k, R468 – 9k1, C487 – 10nF. ZCD threshold lowered to increase margin at w.c temp, Vbat and load.	July '95	
	06			SW Release no. label added	Dec '94	
	05			Add C237, change C236 to prevent fleeting PWRA alarms in APs and TIPs	July '94	
	04			C236 (220nF) added to prevent fleeting PWRA alarms in APs	June '94	
	03			New PCB used – 3AU 00835 BAAB. 4Mb/s data O/P timing – cut and strap	Mar '94	
	02			Unit made using 3AU 00834 AAAA ICS06 PBA	Mar '94	
	01	X	X	Unit made using 3AU 00834 AAAA ICS05 PBA	Dec '93	

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3AU 00700 AAAA AHZZA

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
PCMCX CC 3AU 00834 BAAB Release 3.0, 3.1 Note: 1. The PBA is the same as ABAB variant with different flash SW	07			R451 – 10k, R468 – 9k1, C487 – 10nF. ZCD threshold lowered to increase margin at w.c temp, Vbat and load.	Sep '96	
	06	X	X	New PBA	Sep '95	
POTS EU 3AU 00838 AAAA All Releases	04			Earthing improvement on 4M clock	Feb '98	RCN 103
	03			Modifications to fix PWRA lockup	Feb '97	
	02			GALs supplied to AAL pre-programmed	Mar '94	
	01	X		Original issue	Jan '93	
POTS EU 3AU 00838 BAAA All Releases	04			Earthing improvement on 4M clock	Feb '98	RCN 103
	03			Modifications to fix PWRA lockup	Feb '97	
	02			GALs supplied to AAL pre-programmed	Mar '94	
	01	X	X	Original issue. CLIP Supported	Jan '93	
POTS EU 3AU 00838 AAAB All Releases	04			Earthing improvement on 4M clock	Feb '98	RCN 103
	03			Modifications to fix PWRA lockup	Feb '97	
	02	X		New PCB supports CLIP (CLIP HW not implemented)	July '95	
POTS EU 3AU 00838 BAAB All Releases	03			Earthing improvement on 4M clock	Feb '98	RCN 103
	02			Modifications to fix PWRA lockup	Feb '97	
	01	X	X	CLIP Hardware implemented as an additional function. New Functional variant.	May '96	
POTS EU 3AU 00838 BAAC All Releases	03			Earthing improvement on 4M clock	Feb '98	RCN 103
	02	X	X	Zener protection used on op-amps	Oct '97	

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
POTS RU 3AU 00836 AAAA All Releases	09			Replacement of defective relay batches	June '98	RCN 104
	08			4 cuts, 2 straps on DSLAC DXa line to eliminate noise on ch1 and 2 when using E2 DSLAC.	Mar '95	
	07			E2 DSLAC – 2 Straps added	July '94	
	06			GALs supplied to AAL pre-programmed	Mar '94	
	05			Component value changes preventing motor-boating without need to do cuts & straps	Aug '93	
	04			Earthing improvement on Micro controller	Feb '93	
	03			Ch 4 mod (factory yield problem)	Feb '93	
	02	X		Ch 4 mod – prevent motorboating Note: Boards delivered as ICS02 were tested for no motor-boating.	Dec '92	
	01			Original Issue	Dec '92	
POTS RU 3AU 00836 AAAB All Releases	09			Replacement of defective relay batches	Jun '98	RCN 104
	08			4 cuts, 2 straps on DSLAC DXa line to eliminate noise on ch1 and 2 when using E2 DSLAC	Mar '95	
	07			E2 DSLAC – 2 Straps added	July '94	
	06			GALs supplied to AAL pre-programmed	Mar '94	
	05			Component value changes preventing motor-boating without need to do cuts & straps	Aug '93	
	04	X		New PCB – equivalent to AAAA ICS04		
POTS RU 3AU 00836 AAAC All Releases	09			The functional variant ICS increased due to defective relay batches.	Jun '98	RCN 104
	08	X		New PCB version to eliminate modifications performed on AAAB variant. Equivalent to AAAB ICS 08.	Dec '95	
POTS RU 3AU 00836 ABAC All Releases	01	X		Original SLIC from AMD. Provides 42V open circuit at 54V battery.	Aug '96	
POTS RU 3AU 00836 BAAA All Releases	01	X	X	High Open Circuit Mode.	Dec '97	

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3AU 00700 AAAA AHZZA

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
POTS RU 3AU 00836 CAAA All Releases	02	X	X	Original Issue	Sep '98	
P-PHONE 3AU 16050 AAAA Release 6.1 Release 8.0, 8.2	04			S/W change increasing timer length preventing SWD failure		
	03			0 Ohm resistor added, to improve ground.	Sep '98	
	02	X	X	Original Issue	Feb '98	PCP 87
PWRA 3AU 00893 AAAA All Releases	08			Auto—restart, 20 samples only	July '97	
	07			100n decoupling cap added across 5V regulator Overseas Part 3AL 05378 AAAA PCS10	Mar '94	
	06			Resistor value change to stop yield problem Overseas Part 3AL 05378 AAAA PCS9	Jan '94	
	05			Added diode on BATF output Overseas Part 3AL 05378 AAAA PCS9		
	04			Change in Remote Inventory chip supplier Overseas Part 3AL 05378 AAAA PCS8		
	03			Small improvements in low load performance Overseas Part 3AL 05378 AAAA PCS7		
	02	X		Volume deliveries. New PCB used Overseas Part 3AL 05378 AAAA PCS6		
	01			Original issue Overseas Part 3AL 05378 AAAA PCS4		
PWRA 3AU 00893 BAAA All Releases	03			Auto restart circuit, 20 samples only	Jul '97	
	02	X		Solder side shield added to improve noise immunity of POTS RU in AP slot 9	Dec '94	TAN 10
	01			Locally manufactured	Aug '94	
PWRA 3AU 00893 CAAA All Releases	01	X	X	Auto—restart. Daughter board added.	July '98	PCP 97
Q2BA 3AU 00894 AAAA Release 3.0, 3.1, 4.0.1, 6.1	01	X		Original Issue	Jan '93	
Q2BA 3AU 00894 BBAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Additional functionality for Rel 3.1 2/4W conversion for OA&M via modem.	Nov '95	

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
RAC 3AU 00878 AAAA Release 3.0, 3.1, 4.0.1, 6.1	06			SW update – Eprom ICS09 Overseas Part 772 52194 AAAA PCS13	Apr '97	
	05			SW update – Eprom ICS08 Overseas Part 772 52194 AAAA PCS12	Mar '95	
	04			SW update – Eprom ICS07 Overseas Part 772 52194 AAAA PCS12		
	03			Reprogrammed Eprom to ICS06 Overseas Part 772 52194 AAAA PCS12		
	02			SW update – Eprom ICS06 Overseas Part 772 52194 AAAA PCS11		
	01	X	X	Original issue – Eprom ICS05 Overseas Part 772 52194 AAAA PCS10	Jan '93	TAN 3
RECTIFIER 3AU 11039 AAAA All Releases 1G Housings Only	N/A	240 & 480 1G	X	Switchtec/Eltec 25A		
RECTIFIER 3AU 11040 AAAA All Releases 240 1G Housings Only	N/A	240 1G		Switchtec/Eltec 15A		
RECTIFIER 3AU 16216 AAAA Release 7.1, 8.0, 8.2, 2G Housings Only	03	480 2G	X	Polarised signal connector added	Jun '97	
	02			New current limit and output diode added	Jun '97	
	01	180 2G		Original issue		
RiMU 60 Line 3AU 16113 ABAA Release 7.1, 8.0, 8.2	03			Increase voltage rating on output capacitors	Nov '97	
	02			Improve low battery shutdown	Oct '97	
	01	X	X	Original Issue	Mar '96	
RiMU 180 Line 3AU 16113 ACAA Release 7.1, 8.0, 8.2	05			Increase voltage rating on output capacitors	Nov '97	RCN 102
	04			Improve low battery shutdown	Oct '97	
	03	X	X	Modified for volume production	Aug '96	
	02			Modified for pilot production	July '96	
	01			Original Issue (for dem production)	Mar '96	

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
RING/METER 3AU 00864 AAAA All Releases	11			New sheild size	Dec '98	
	10			Increase capacitors on internal power rails and reduce ring current limit.	Aug '98	
	09			Potentiometer replaced with select on test resistor	May '98	RCN 106
	08			Increase voltage rating on output capacitors	Nov '97	RCN 101
	07			Fuse added	Aug '97	
	06			Improve power loss reporting to NECTAS & failure of capacitors C151, C152.	Feb '97	
	05	X	X	Daughter board added to allow phase locking of Ring and 50Hz Meter signal for zero crossing detection of 50Hz Meter to reduce clicking. (Refer to UNIV RU Problem Report for details of component changes etc).	June '95	
	04			Replace 0 ohm resistor with wire with higher current rating	Nov '94	
	03			R576,R577,R581 changed to allow for gain variation in transistors.	July '94	
	02			Moved handle up by 5mm (to suit Indoor Panel)	Apr '93	
	01			Original issue	Jan '93	
RMU 3AU 00898 AAAA Release 3.0	07			New PCB layout Overseas Part 3AL 05390 AAAC PCS1		
	06			Bypass request flip-flops Overseas Part 3AL 05390 AAAB PCS4		
	05	X	X	Fuse re-instated. Eprom update to ICS 04. Overseas Part 3AL 05390 AAAB PCS3		
	04			New PCB layout Overseas Part 3AL 05390 AAAB PCS2		
	03			Replace fuse with wire link Overseas Part 3AL 05390 AAAA PCS4		
	02			AAL changes now done by Europe Overseas Part 3AL 05390 AAAA PCS3		
	01			Original issue Overseas Part 3AL 05390 AAAA PCS2		

PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
SCKA 3AU 00870 AAAA Release 3.0, 3.1, 4.0.1, 6.1	08			G.703 clock input sensitivity increased Overseas Part 3AL 05370 BAAA PCS12	Mar '94	
	07			New PCB layout (see 3AU 00870 AAAB) Overseas Part 3AL 05370 BAAA PCS11		
	06			IC change for Redundant Common Panel function Overseas Part 3AL 05370 BAAA PCS11	April '93	TAN 7
	05			Firmware change to the way manual mode Clock Changeover operates (feature not used in RIM) Overseas Part 3AL 05370 BAAA PCS10	April '93	
	04			Change of device supplier Overseas Part 3AL 05370 BAAA PCS9	April '93	
	03			Improve PLL stability Overseas Part 3AL 05370 BAAA PCS8	Mar '93	
	02			New PCB layout Overseas Part 3AL 05370 BAAA PCS7	Nov '92	
	01	X		Original issue Overseas Part 3AL 05370 BAAA PCS7	Oct '92	
SCKA 3AU 00870 AAAB Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	New layout – G.703 clock input sensitivity improved (front connector link pos. different to AAAA variant) Overseas Part 3AL 05370 BAAB PCS4	Mar '94	TAN 7
SCKA 3AU 00870 BAAA Release 3.0, 3.1, 4.0.1, 6.1	02			New PCB to provide more clearance around stiffener bar holes. C45 moved.	May '97	
	01	X	X	Locally manufactured.	Aug '94	
SKIPMUX 3AU 00889 AAAA Release 3.0, 3.1, 4.0.1, 6.1	02			New release of ASIC used Overseas Part 736 48202 AAAA PCS4 and PCS5	June '93	
	01	X	X	Original issue Overseas Part 736 48202 AAAA PCS2 and PCS3	Jan '93	
TRU 3AU 00885 ACAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Current issue	Oct '92	
TRUPF 3AU 00885 ABAA Release 3.0, 3.1, 4.0.1, 6.1	02			Improved Lightning Protection	May '93	
	01	X	X	Original issue	Oct '92	

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
UNIV EU 3AU 00842 AAAA All Releases	05			Replacement of defective relay batches	Jun '98	RCN 104
	04			Modification to DC termination protection (zener diodes replaced by transil)	Feb '97	
	03			GALs supplied to AAL pre-programmed	Mar '94	
	02	X		Improve 12kHz Meter detector (low drift)	Nov '93	
	01			Original issue	Jan '93	
UNIV EU 3AU 00842 BAAA All Releases	03			Replacement of defective relay batches	Jun '98	RCN 104
	02			Modification to DC termination protection (zener diodes replaced by transil)	Feb '97	
	01	X	X	Securitel Functionality	Feb '95	
UNIV EU 3AU 00842 BAAB All Releases	03			Replacement of defective relay batches	Jun '98	RCN 104
	02	X	X	Modification to DC termination protection (zener diodes replaced by transil)	Feb '97	
UNIV RU 3AU 00840 AAAA All Releases Note: ICS7-9 PBAs returned for repair will be replaced with BAAB units.	09	IEN		12 KHz Metering crosstalk is eliminated. New daughter board with a shielded inductor is added to the UNIV RU.	Nov. '95	TAN 16 PCP 57
	08			4 cuts and 2 straps on DSLAC MCLK line to eliminate noise on channels 1,2 5 and 6 when using E2 DSLACs. Noise only occurs when unit is fitted in AP Slot 9 next to "AAAA" PWRA.	Oct '95	
	07			Improves general noise and metering noise performance. Daughter board added.	June '95	
	06			Series resistor added to limit inrush current on 12kHz metering input.	May '94	
	05			GALs supplied to AAL pre-programmed	Mar '94	
	04			Add 10 ohm resistors to prevent relay contact degradation	Apr '93	
	03			Reverse meter signals Note: There is a dependency between ICS03 or higher UNIV-RU board and the correct Ring/Meter wiring in the Remote Housing.	Mar '93	
	02			Earthing improvement on Microcontroller	Feb '93	
	01	CAN		Original Issue	Jan '93	

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3AU 00700 AAAA AHZZA

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PBA	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
UNIV RU 3AU 00840 BAAA All Releases Note: ICS2–4 PBAs returned for repair will be replaced with BAAB units.	04	IEN		12 KHz Metering crosstalk is eliminated. New daughter board with a shielded inductor is added to the UNIV RU.	Nov '95	TAN 16, PCP 57
	03			4 cuts and 2 straps on DSLAC MCLK line to eliminate noise on channels 1,2 5 and 6 when using E2 DSLACs. Noise only occurs when unit is fitted in AP slot 9 next to "AAAA" PWRA.	Oct '95	
	02			Improves general noise and metering noise performance. Daughter board added.	Jun '95	
	01	X		Securitel Functionality	Feb '95	
UNIV RU 3AU 00840 BAAB All Releases	04	X	X	New PCB for UNIV RU variant to eliminate the extensive cuts and straps required for noise performance improvement	Apr '96	

5.2 Alphabetic Listing of Panels

PANEL	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
ACCESS PANEL 3AU 00826 AAAA All Releases	02		X	Straps added to give "ABAA" PCMCXs Ring bus access for zero crossing detection of ring signal	Mar '94	
	01	X		Original issue	Jan '93	
CLIMATE CONTROL PANEL 3AU 04322 AAAA Release 7.1, 8.0, 8.2	05			Move backplane PCB to allow easy closing of rack door	Jun '97	
	04			Improvement to fixing of the backplane PCB	Dec '96	
	03	X	X	Fix for hot insertion	Aug '96	
	02			Fix for hot insertion (temporary)	Aug '96	
	01			Original issue	Oct '95	
COMMON PANEL 3AU 00820 AAAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Original issue	Jan '93	
LINE TRANS PANEL 3AU 00829 AAAA Release 3.0, 3.1, 4.0.1, 6.1	03			Move backplane PCB to allow easy closing of rack door.	Jun '97	
	02	X	X	Strap added to fix Battery Test fail input	Dec '93	TAN 6
	01			Original issue	Jan '93	
MAIN PANEL 3AU 16400 AAAA Release 7.1, 8.0, 8.2	01	X	X	Original issue	Mar '96	

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PANEL	ICS	LOR	FFV	Description	Date of Field Intro.	TAN, RCN, PCP
MAIN PANEL 3AU 16400 BBAA Release 7.1, 8.0, 8.2	01	X	X	Original issue. 1+1 functionality added.	Mar '98	
MODEM PANEL 3AU 04264 AAAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Original issue. Note that the modem unit is a 3AU 04261 AAAA (not AAL manufactured unit)	Nov '95	
RING/METER PANEL INDOOR 3AU 00886 AAAA All Releases	04			Move backplane PCB to allow easy closing of rack door	Apr '97	
	03			Improvement to fixing of the backplane PCB	Dec '96	
	02			Screw and nut added to securely attach backplane to panel metalwork	Jun '96	TAN 25
	01	X	X	Original issue	Jan '93	
TERM REGEN PANEL 3AU 00882 AAAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Original issue	Jan '93	
TRUNK I/F PANEL 3AU 00823 AAAA Release 3.0, 3.1, 4.0.1, 6.1	01	X	X	Original issue	Jan '93	

6 UNIT INTERCHANGEABILITY

Some RIM units can be used as plug in replacements for other RIM units. The table below has a list of units which are in a RIM and a list of the units that could be used as spares. There is also a column which describes any limitations to the operation of the RIM as a result of using a non-standard spare.

Existing Unit in a RIM	Plug in Replacement	Restrictions
2B1Q 3AU 00852 AAAA	2B1Q 3AU 00852 ABAA	None
2B1Q 3AU 00852 ABAA	2B1Q 3AU 00852 AAAA	Only allowed if the ABAA variant is in a non-integrated panel.
ASU 504975	ASU 3AU 00890 AAAA	None. Check switch setting for correct OA&M panel.
ASU 3AU 00890 AAAA	ASU 504975	None if OA&M is via RAC. If OA&M is via optical, the RIM would still carry calls, but OA&M would be lost until correct card is installed.
CLIMATE I/O 3AU 00860 AAAA	CLIMATE I/O DUAL VOLTAGE 3AU 00860 BAAA	If the Climate Controller card has EPROMs $\geq$ ICS13 then there are no restrictions. If the Climate Controller card has EPROMs $\leq$ ICS9 then there may be fleeting humidity alarms, (which can be ignored) and the RIM will run at a higher temperature, which can reduce equipment reliability.
CLIMATE I/O DUAL VOLTAGE 3AU 00860 BAAA	CLIMATE I/O 3AU 00860 AAAA	If the Climate Controller card has EPROMs $\geq$ ICS13 then there will be increased noise from the fans as they will be running at a higher speed. If the Climate Controller card has EPROMs $\leq$ ICS9 then there may be fleeting humidity alarms, (which can be ignored).
FABC 3AU 16218 ABAA	FABD 3AU 24114 AAAA	None. Note link X326 on the FABD must be set for 240H.
FABD 3AU 24114 AAAA	FABC 3AU 16218 ABAA	The FABC may only be used in 180 2G Housings.
LT POWER 3AU 00891 AAAA	LT POWER 3AU 00891 BAAA	None
LT POWER 3AU 00891 BAAA	LT POWER 3AU 00891 AAAA	Autorestart functionality no longer available
OLTE 34M SINGLE FIBRE OPTICAL LOW POWER 3AU 04205 ABAA	OLTE 34M SINGLE FIBRE OPTICAL HIGH POWER 3AU 04205 AAAA	None
OLTE 34M SINGLE FIBRE OPTICAL HIGH POWER 3AU 04205 AAAA	OLTE 34M SINGLE FIBRE OPTICAL LOW POWER 3AU 04205 ABAA	Only allowed if the AAAA variant is in a system which is less than 25km between the EU & RU.

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Existing Unit in a RIM	Plug in Replacement	Restrictions
POTS—EU 3AU 00838 AAAx	POTS—EU 3AU 00838 BAAx	None
POTS—EU 3AU 00838 BAAx	POTS—EU 3AU 00838 AAAx	Caller ID functionality no longer available
PWRA 3AU 00893 AAAA or 3AU 00893 BAAA	PWRA 3AU 00893 CAAA	None
PWRA 3AU 00893 CAAA	PWRA 3AU 00893 AAAA or 3AU 00893 BAAA	Autorestart functionality no longer available
Q2BA 3AU 00894 AAAA	Q2BA 3AU 00894 BBAA	None
Q2BA 3AU 00894 BBAA	Q2BA 3AU 00894 AAAA	2/4 Wire conversion for OA&M via modem functionality no longer available. The RIM would still carry calls, but OA&M would be lost until correct card is installed.
RECTIFIER 1G (15A) 3AU 11040 AAAA	RECTIFIER 1G (25A) 3AU 11039 AAAA	None
RECTIFIER 1G (25A) 3AU 11039 AAAA	RECTIFIER 1G (15A) 3AU 11040 AAAA	Only allowed if the 3AU 11039 AAAA is in a 240 1G housing.
RiMU 60 LINE 3AU 16113 ABAA	RiMU 180 LINE 3AU 16113 ACAA	None
RiMU 180 LINE 3AU 16113 ACAA	RiMU 60 LINE 3AU 16113 ABAA	Only if the RiMU 180 Line is in a system with 60 or fewer customers. Must not be left in indefinitely — new customers may be added.
UNIV—EU 3AU 00842 AAAA	UNIV—EU 3AU 00842 BAAx	None
UNIV—EU 3AU 00842 BAAx	UNIV—EU 3AU 00842 AAAA	Securitel functionality no longer available

7 RIM DOWNLOADABLE SOFTWARE / FIRMWARE / NECTAS ICS HISTORY

The following tables indicate the ICS of the operating software for the given unit.

Software which is currently in field trial is not included in this list.

"SWD" indicates the unit has downloadable operating software.

"EPROM" indicates the unit has EPROM operating software.

Notes:

1. If the "SWD" or "EPROM" boxes are empty for an Update or a Release, this means that there are no changes, and the ICS shown in a previous Update or Release applies.
2. If the "SWD" or "EPROM" boxes is marked with '–' for a particular Update or Release, this means that the unit does not exist in that Release or Update.

7.1 RIM – Releases 1, 2, 3 and 3.1

PBA	Type	Jan 93 Rel 1	Mar 93 Rel 1 Update	Jan 94 Rel 2	Sep 94 Rel 3	Nov 94 Rel 3 Update	Jun 95 Rel 3 Update	Jul 95 Rel 3 Update	Nov 95 Rel 3.1 ICS02	Dec 98 Rel 3.1 ICS04 (Pkg D)
NMQ	SWD	03		06	08				11	
	EPROM	03		04					05	
RMU	SWD	03		05	08				10	
	EPROM	03		04						
ERMU	SWD	–	–	–	–	–	–	–	02	27
	EPROM	–	–	–	–	–	–	–	02	
COP	SWD	03		07	09				12	14
PCMCX	SWD	03	04	07	09		13		16	
PCMCX –CC	SWD	–	–	02		03			05	
LTC / CLC	EPROM	02		04	06				09	
CTU	EPROM	02			06			07	08	

7.2 RIM – Releases 4.0 and 4.0.1

PBA	Type	Sept 95 Rel 4.0	Dec 95 Rel 4.0 Update	Nov 96 Rel 4.0.1
NMQ	SWD	01		
	EPROM	04	05	
RMU	SWD	03		–
	EPROM	04		–
ERMU	SWD	–	–	01
	EPROM	–	–	02
COP	SWD	04		05
PCMCX	SWD	08		09
ECC	SWD	07	08	09
LTC/CLC	EPROM	06	09	
CTU	EPROM	07	08	

7.3 RIM – Releases 6.1

PBA	Type	Dec 98 ICS 07 (Pkg X11)	Jun 99 ICS 08 (Pkg X12)	Jul 99 ICS 09 (Pkg X14)	Sept 99 ICS 10 (Pkg X15)
NMQ	SWD	13			
	EPROM	05			
ERMU	SWD	31			33
	EPROM	02			
COP	SWD	13			
PCMCX	SWD	50	52	53	
ECC	SWD	12			13
ECTU	SWD	03			

7.4 Compact RIM – Release 7.1

PBA	Type	Sep 96 ICS 02 (Pkg D)	Jul 97 Update	Nov 97 ICS 03 (Pkg G)	Sep 98 Update	Mar 99 ICS 06 (Pkg J)
ERMU	SWD	07				28
	EPROM	02			03	
PCMCX	SWD	22				
PCMCC	SWD	04		11		
	EPROM	03	04		05	
CLC	EPROM	09				
CTU	EPROM	08				

7.5 Compact RIM – Release 8.0

PBA	Type	Sep 97 ICS 04	Oct 97 ICS 06	Jan 98 Update	Mar 98 ICS 07	Jun 98 ICS 09	Aug 98 ICS 10 Field Trial	Sep 98 Update	Jun 99 Update
ERMU	SWD	10	13			20	22		
	EPROM	02						03	
PCMCX	SWD	36	38		39				
PCMCC	SWD	10							
	EPROM	04						05	
CLC	EPROM	13							
CTU	EPROM	09	10	11					
CMX	FLASH	02							05
ICC	SWD	01	02						
ECC	SWD	10							
	EPROM	02						03	

7.6 Compact RIM – Releases 8.2

PBA	Type	Dec 98 ICS 07 (Pkg X11)	May 99 ICS 08 (Pkg X12)	May 99 ICS 09 (Pkg X13)	Jun 99 Update	Jul 99 ICS 10 (Pkg X14)	Sep 99 ICS 11 (Pkg X15)
PCMCC	SWD	21		22			27
	EPROM	05					
ERMU	SWD	31					33
	EPROM	03					
PCMCX	SWD	50	52			53	
CMX	FLASH	02			05		
ICC	SWD	05					
ECC	SWD	12					13
	EPROM	03					
ECTU	SWD	03					

7.7 NECTAS

	Jan 93 Rel 1	Jan 94 Rel 2	Sep 94 Rel 3	Jan 95 Update	Nov 95 Rel 3.1	Sep 96 Rel 7.1	Feb 97 Update	Sep 97 Rel 8.0	Nov 98 Rel 6.1/8.2
NECTAS	02	06	12	22	25	37	38	40	46

8 DOCUMENT HISTORY

Edition	Description	Author	Date
01	Document Created	T Galapo	970318
02	ICSs updated, release 8.0 parts added	K. Lee	970916
03	ICSs updated, ICC added	K. Lee	971031
04	60 line RiMU 3AU 16113 ABAA now ICS03 180 line RiMU 3AU 16113 ACCA now ICS05 T8 Ring Meter Unit 3AU 00864 AAAA now ICS08 New variant of POTS RU 3AU 00836 BAAA UNIV RU 3AU 00840 AAAA warranty centre can send ICS06, ICS07, ICS08, and ICS09 (previously ICS09 only) UNIV RU 3AU 00840 BAAA, boards returned to warranty centre are returned at their current ICS (previously upgraded to ICS04).	K. Lee	971202
05	P—Phone 3AU 16050 AAA ICS01 added CTU 3AU 00862 AAAA and 3AU 00862 AABA now ICS13 POTSEU 3AU 00838 AAAA now ICS04 POTSEU 3AU 00838 AAAB now ICS04 POTSEU 3AU 00838 BAAB now ICS03 POTSEU 3AU 00838 BAAC now ICS03 For Ring Meter Panel 3AU 00886 AAAA, Line Transmission Panel 3AU 00829 AAAA and Climate Control Panel 3AU 04322 AAAA, the modification to move the backplane PCB is not required on field return panels.	K. Lee	980309
06	Ring/Meter 3AU 00864 AAAA now ICS09 PCMCX Compact RIM software now ICS39 Defective relay replacement and associated ICS increase Monitor Module and PWRA CAAA added Single ICS per PBA (where possible) RCN and PCP added.	K. Lee/ J Sugunananthan	980703
07	ECC 3AU 04101 AAAA now ICS04 ERMU 3AU 04215 AAAX now ICS03 PCMCC 3AU 16103 AAAA now ICS05 POTSRU 3AU 00836 CAAA added	K. Lee	980921
08	Compact RIM Software in Field Trial removed	K. Lee	981021
09	Least Operational Requirements column added. Full Feature Version column added. Units Listed in alphabetical order. Release 6.1/8.2 items added	K. Lee	981223

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Edition	Description	Author	Date
10	2B1Q 3AU 00852 AAAA now ICS04 2B1Q 3AU 00852 ABAA added ERMU 3AU 04215 ABAA added LT POWER 3AU 00891 BAAA added OMXP 3AU 16075 AAAA added POTS EU 3AU 00838 BAAA added POTS EU 3AU 00838 AAAA now ICS04 POTS EU 3AU 00838 AAAB now ICS04 POTS RU 3AU 00836 CAAA now ICS02 PPHONE 3AU 16050 AAAA now ICS03 MAIN PANEL 3AU 16400 BBAA added Release 7.1 ERMU software now ICS28 Release 8.2 PCMCC software trial ICS22 Release 8.2 PCMCX software trial ICS52 Full Feature Version (FFV) for: DVCLIO 3AU 00868 BAAA FABD 3AU 24114 AAAA LT POWER 3AU 00891 BAAA	K. Lee	990517
11	2B1Q 3AU 00852 ABAA FFV pending software update CLIO 3AU 00860 BAAA FFV not yet implemented CMX 3AU 16420 AAAA now ICS03 ECTU 3AU 24757 AAAA now available from Field Repair Centre ERMU 3AU 04215 AAAB no longer current manufacture ERMU 3AU 04215 ABAA correction to ICS01 LT POWER 3AU 00891 BAAA now ICS04 P-PHONE 3AU 16050 AAAA now ICS04 Main Panel 3AU 16400 AAAA no longer current manufacture Unit Interchangeability added for LT PWR,PWRA,P-EU,U-EU,Q2BA ICS & Packages added for Downloadable Software Release 6.1 ICS 08, 09, 10 Downloadable Software added Release 8.0 & 8.2 CMX Flash Software now ICS05 Release 8.2 ICS 08, 09, 10, 11 Downloadable Software added	K. Lee	990914

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