

Glossary

Item	Description
2B1Q	2 Binary, 1 Quaternary line coding
3B6B	3 Binary, 6 Binary line coding
4B3T	4 Binary, 3 Ternary line coding
2/34 Mbit/s DME Unit (Skipmux)	This unit provides 2 to 34 Mbit/s higher order multiplexing. (Also known as Skipmux)
2/8 Mbit/s DME Unit	This unit provides 2 to 8 Mbit/s higher order multiplexing.
34 Mbit/s Optical Line Transmission Unit	This card set consists of a 2 to 34 Mbit/s multiplexer unit, Card Set a 34 Mbit/s optical transmission interface unit and an Auxiliary Services Unit (ASU) for distances up to 60km.
34 Mbit/s Optical Unit – Low Power	A 34 Mbit/s optical transmission interface unit which can be used for distances up to 60km.
4/6 – Wire Channel Unit	This unit interfaces with four 4–wire or 6–wire E&M signalling services.
64 Kbit/s Channel Unit	This unit provides five data interfaces four 64 Kbit/s co–directional data services.
8 Mbit/s Optical Line Transmission	This card set consists of 2 to 8 Mbit/s multiplexer unit, an 8 Mbit/s optical transmission interface unit and an Auxiliary Services Unit (ASU). It can be used for distances up to 70km.
8 Mbit/s Optical Unit – Low Power	An 8 Mbit/s optical transmission interface unit which can be used for distances up to 70km.
8 Mbit/s Optomux Unit	This unit provides 2 to 8 Mbit/s higher order multiplexing and an 8 Mbit/s optical transmission interface on a single unit for transmission distances up to 25km.
Access Panel	This panel contains units which provide the channel interface functions and contains a PWRA unit and a PCMCX unit.
Access Controller	See Customer Access Controller.
Alarm Indication Signal (AIS)	A signal received by non–defective equipment which indicates that the transmission performance is below acceptable standards.
Alarm Receiving Attention (ARA)	This indicates that an alarm condition has been detected and is being investigated. Activating the ARA function turns off the station alarm and lights the ARA LED or lamp.
ANV–F	Alcatel Proprietary Protocol.

Item	Description
Auxiliary Services Unit (ASU)	This unit allows the supervisory and auxiliary data to be multiplexed onto the optical unit telemetry channel. It provides system supervision and control of the optical 1 + 1 redundancy facility.
Channel Unit	A plug-in card providing interface between the RIM equipment and customer or exchange lines. Also referred to as a Line Interface Circuit (LIC).
Climate Controller Unit	This unit controls the Climate I/O unit and collects environmental and power alarms.
Climate I/O Unit	This unit provides an interface for the fans and for the temperature, humidity and air filter pressure sensors.
Clock Unit	See System Clock Unit.
Concentration Controller Unit	This unit is a PCMCX unit containing resident software to provide control of channels connecting into IDN exchanges.
Common Panel	This panel accommodates units that supply the control, clock, OA&M access, TSI and concentration facilities.
Core Matrix Unit (COX)	This unit provides cross connection of the 64 Kbit/s timeslots. It connects to the Access and Trunk Panels via 4 Mbit/s busses. (It is also referred to as the Time Slot Interchanger).
Core Processor Unit (COP)	This unit handles the alarm collection and configuration management of the RIM
Cross Connection Compartment (CCC)	A compartment of the RIM Remote Housing which accommodates the CCF.
Cross Connect Frame (CCF)	A facility for terminating customers services and interconnecting them by means of jumpers to line interface equipment. Provides a similar function to a Cabinet or Pillar in the Customer Access Network Also referred to as a Cross Connect Unit or Cross Connect Facility.
Cross Connect Facility (CCF)	See Cross Connect Unit.
Cross Connect Unit (CCU)	See Cross Connect Frame
Cross Connection Matrix Unit	See Core Matrix Unit.
Customer Test Unit (CTU)	This unit performs the electrical measurement tests directed by either remote Sultan access or the Local Terminal.
Customer Access Controller	This is one operational mode of a PCMCX unit. This mode provides control interfacing between the core system and the channel units.
Customer Access Network (CAN)	That part of the communications network from the customer's equipment to the local exchange building.

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Cyclic Redundancy Check (CRC)	An inbuilt bit error checking facility for indicating the transmission performance of a digital link.
Enhanced Customer Test Unit	This unit is an enhanced Customer Test Unit, offering the same tests as the CTU. Additional features include testing of long lines and advanced battery management.
Enhanced RIM Management Unit	This unit is an enhanced RIM Management Unit. It is used to link RIM to Telstra's RIM Access Management network COMNET, eliminating the need for a Mediation Device.
Exchange Access Panel Connector Kit	This kit provides the connectors required for terminating the cables for connection to the MDF and line transmission equipment.
Exchange Common Panel	See Common Panel.
Exchange Line Transmission Panel	See Line Transmission Panel.
Exchange OA&M Access Card Set	See OA&M Access Card Set.
Exchange Subrack Adaptor	This adaptor enables the RIM panels to mount on exchange racks. One adaptor is required for each LT or Common Panel and for each pair of Access Panels.
Exchange Unit (EU)	All of the RIM equipment installed at the Exchange end
Front End Interface Unit (FIU)	See Line Transmission Controller.
Gas—Filled Protection Cartridge	This consists of an arrestor magazine containing 10 gas arrestors.
G.703	The ITU standard for the Physical/Electrical characteristics of hierarchical digital interfaces.
Grooming	See Time Slot Interchanger.
Installation Kit — 240 Line System	This kit is required when a 240 Line Remote Housing is not used, it provides the ancillary equipment for the RU equipment installed in a rack.
Installation Kit — 480 Line System	This kit is required when a 480 Line Remote Housing is not used, it provides the ancillary equipment for the RU equipment installed in a rack.
Integrated Access	This mode provides for switched VF services (POTS) which terminate directly into the 2 Mbit/s IDN exchange.
ISDN 2B1Q Channel Unit	This unit interfaces with four Basic Rate Access services each 2B+D, 144 Kbit/s with 2B1Q line codes.
ISDN 4B3T Channel Unit	This unit interfaces with four Basic Rate Access services each 2B+D, 144 Kbit/s with 4B3T line codes.

Item	Description
Line Transmission Controller (LTC)	This unit provides supervision for the various transmission units that can be installed into the panel. Often <u>incorrectly</u> referred to as the FIU.
Line Transmission Panel	This panel provides interface equipment for higher order multiplex systems, optical systems or terminal regenerator systems.
Main Equipment Compartment (MEC)	A compartment in the centre of the RIM Remote Housing which accommodates the RIM system equipment.
MFC + Progress Tones	This unit contains MFC tone transceivers for communicating with the parent exchange and call progress tone generation facilities.
Microprocessor Serial Interface (MSI)	This is a serial bus cable used for system management and control.
Network Element Craft Terminal	This is a portable PC on which is loaded software which provides local and remote access to a set of OA&M (NECTAS) functions which include alarm surveillance, performance monitoring, equipment configuration, grooming, software download, bearer provision, customer provision, testing, network management and remote inventory.
Network Management Controller	See Network Management Interface.
Network Management Unit (NMU)	This unit is an NMQ unit containing resident software to provide interfacing between the system operation and the external Q2 and Local Terminal interfaces.
Network Management Interface (NMQ)	This unit is a network interface unit containing resident software to provide various interface roles within the RIM system.
Non – Integrated Access	This mode provides full multiplexing and de–multiplexing of all services, is used via Non–IDN exchanges and switched VF services are not concentrated.
OA&M Access Card Set	This card set consists of two PCMCX units and a Rate Adaptor Unit and performs a drop and insert function to provide access to the OA&M channel from the RU in fully integrated access.
Pulse Code Modulation Controller	This unit is a mux/de–multiplex unit containing resident (PCMCX) software to provide controller roles within the RIM system. Its possible modes of operation are Customer Access controller, Trunk Access controller and OA&M Access controller.
POTS Exchange Unit	This unit interfaces with ten exchange end POTS services.
POTS Remote Unit	This unit interfaces with ten remote end POTS services.

Item	Description
Power Compartment (PCT)	A compartment of the RIM Remote Housing which accommodates the rectifiers, batteries, power Monitor Module and the Ring Meter Unit.
Power Unit LT	Provides regulated power to the plug in units in the Line Transmission Panel and the Terminal Regenerator Panel.
PWRA Unit	Provides regulated power to the plug in units in Access, Common and Trunk Interface Panels.
Q2BA Unit	This unit is used to arbitrate the communications of the OA&M information.
Rate Adaptor Unit (RAC)	This unit provides four data interfaces which allow low speed interfaces (75 bit/s to 64 Kbit/s) to be sub-multiplexed into a 64 Kbit/s bearer timeslot.
Remote Housing (RH)	An outdoor enclosure which provides a controlled environment for the Remote Unit with its power supply and cross connect unit.
Remote Management Unit	See RIM Management Unit.
Remote Unit (RU)	All of the RIM equipment installed at the remote end.
RIM Management Unit (RMU)	This unit is an NMQ unit containing resident software to provide interfacing for a integrated OA&M system.
RIM System	The Exchange Unit and its corresponding Remote Unit together with the associated equipment and bearers.
Ring Meter Unit	A unit which is normally provided with the Remote Unit to generate the ring and meter signals delivered to the customer's equipment.
Subrack	A framework and backplane required to support plug in units and provide power, control and signalling interconnections.
System Clock Unit (SCU)	This unit provides clock generation and distribution functions.
Terminal Regenerator Panel (TRP)	This panel housing up to 12 Terminal Regenerator units plus a LTC and Power Unit.
Terminal Regen. without Power Feed	This unit regenerates and transmits 2 Mbit/s. HDB3 coded (TRU) signals on 120 ohm balanced pair copper cable for each 2 Mbit/s link.
Terminal Regen. with Power Feed	This unit provides the same features as the TRU with (TRU P/F) power feeding capability.
Time Slot Interchange (TSI)	The interchange of 64 Kbit/s timeslots between the available 2 Mbit/s streams via the use of a digital cross connect facility.
Time Slot Interchanger Unit (TSI)	See COX.

Item	Description
Trunk Controller	This is one operational mode of a PCMCX unit. This mode combines the separated 2 Mbit/s data and signalling buses into the standard G.703, 2 Mbit/s format.
Trunk Interface Panel (TIP)	This panel provides the interface between the Common Panel and the Line Transmission Panel.
U Modem Interface Unit	This unit is located at the RIM and is used in conjunction with the 4B3T U Modem unit located at the customer's premises.
U Modem Unit	This unit is for use in customer's premises and is used in conjunction with the 4B3T and U Modem Interface Unit located at the RIM
Universal Exchange Unit	This unit interfaces with six exchange end special analogue VF services.
Universal Customer Unit	This unit interfaces with six remote end special analogue VF services.
Universal Subscriber Unit	See Universal Customer Unit.
V.110	Supports DTE via V-series type interfaces on ISDN.
VF Ports	These are 2-wire analogue interfaces between exchange line circuits and the EU and the RU and customer equipment.