

How do I pass VT traffic from an OC-12 ring to an OC-3 spur?

The Scenario:

A medium sized electric utility had existing isolated OC-12 and OC-3 networks functioning as their SONET backbone. The utility needed to transport a GARD 8000 relay circuit between the OC-12 and OC-3 networks. Rack space was limited and the customer couldn't accept separate SONET units. In addition, the existing installation had no connecting node between the OC-12 and OC-3 rings.

The Solution:

The customer installed a 3 Rack-Unit IMUX 2000S unit at the common site to act as a connecting node between the two networks. The SONET module in the IMUX 2000S unit was provisioned for cross-connecting traffic between the rings. At the remote sites, the customer had configured circuits for drop points to ensure a common master clock for both systems.

The Results:

The VT traffic (GARD 8000 relay circuit) can pass freely between the SONET OC-12 and OC-3 networks with a mutual USPR protection utilizing a single IMUX 2000S node. Mapping can be accom-

plished on a single screen with the IMUX Element Management Software. By clicking and dragging between VT's, the OC-12 to OC-3 interconnection is made (Figure 2).

Related Products:



IMUX 2000s

The RFL IMUX 2000s SONET/SDH Multiplexer is an innovative and cost-effective solution from RFL that leverages your existing IMUX 2000 T1/E1 multiplexer and MDACS equipment to instantly expand your infrastructure for delivery of Gigabit Ethernet services, while continuing to support existing traditional TDM services.

About RFL

RFL designs and manufactures a comprehensive line of highly-reliable, mission-critical, cost-effective communications and protection solutions for the electric utility and transportation markets, oil and gas markets, government agencies and engineering consulting firms. RFL is focused on guaranteeing mission-critical data will arrive on-time, every time.

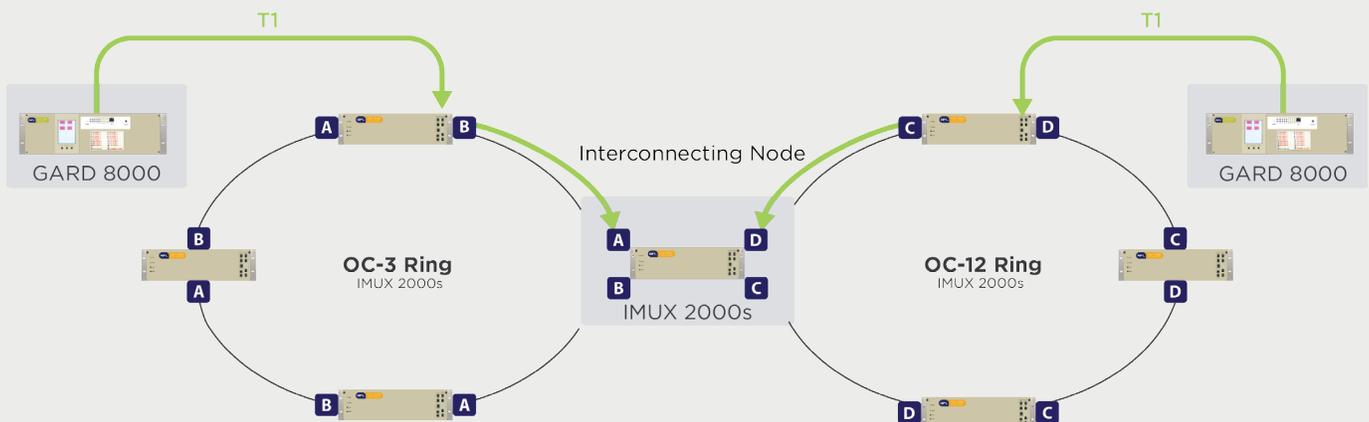


Figure 1: Connecting OC-3 and OC-12 rings using the IMUX 2000s

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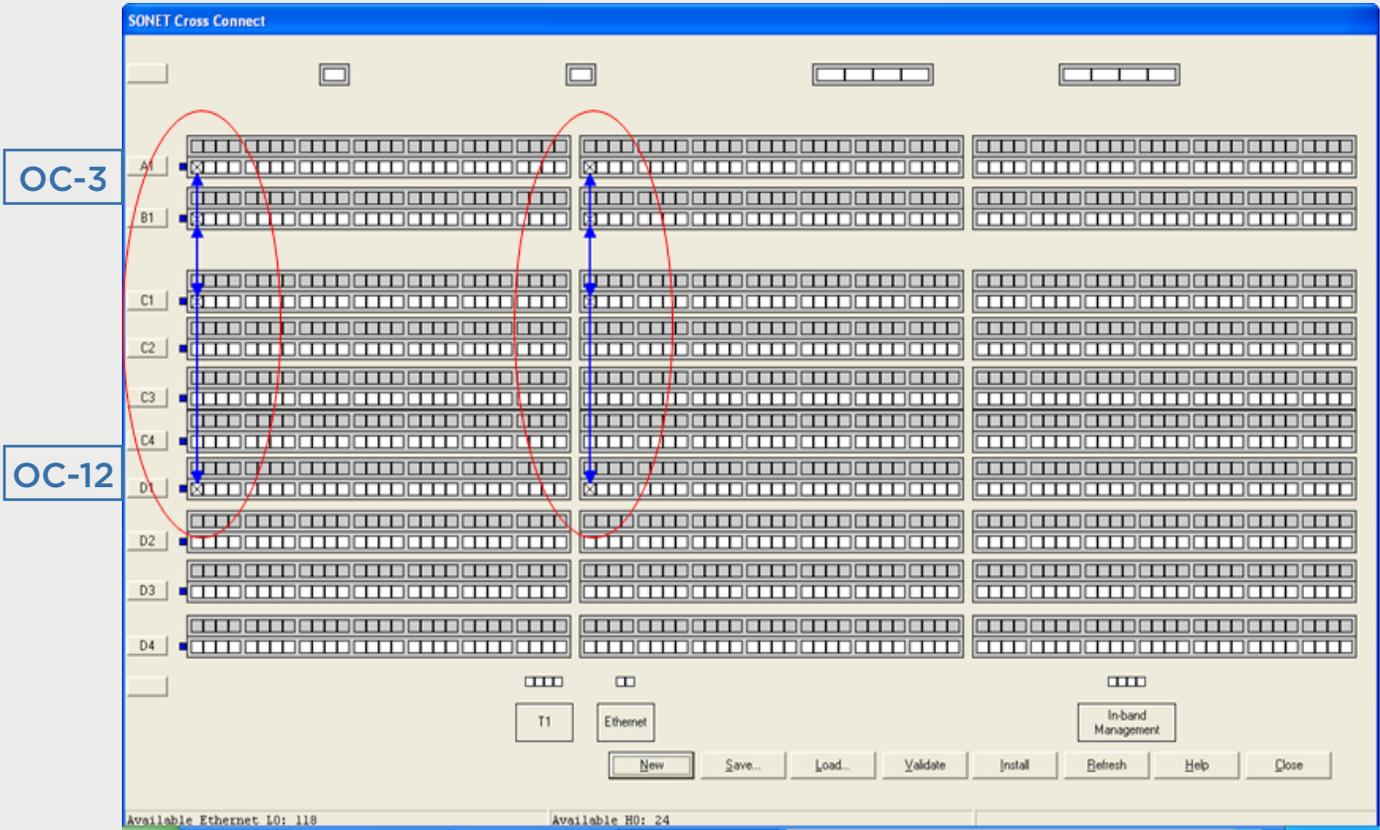


Figure 2: OC-3 to OC-12 mapping on IMUX Element Manager Software



RFL
 353 Powerville Road
 Boonton, NJ 07005, USA

Tel: 973.334.3100
 Fax: 973.334.3863
 www.rflect.com

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