



Meet Me in Santa Clara

An ongoing series examining carrier interconnection options in major North American markets

California here we come. The West Coast has an interesting interconnection landscape. Between the older and more developed international Layer 2 TDM (time division multiplex) transport bookends of Los Angeles and Seattle lies one of the most IP-centric corridors in the world. This IP runs at Layer 2 first, of course, so therefore needs solid physical layer interconnection points. But where are the neutral sites with the greatest carrier density?

Attributes of eXchange @ 1100 Space Park Drive

Building size	169,020 sq. ft.
Union building	Yes
Building generator	Yes
Generator rooms for tenants	Generator yard – entitlements and air quality district approvals for 10 (2mW) generators on the site.
Roof access	Yes. Roof space is available for mechanical equipment and satellite dishes and antennas.
Tenant conduit rights	Yes. Negotiated on a tenant-by-tenant basis. There are pre-installed primary, secondary and tertiary data entry vaults, conduits and associated riser shafts in the facility. Tenants can be licensed into any part of the conduit system
Is there a building meet me room?	Yes
Is this MMR the featured site?	Yes

Santa Clara is one of a few popular regions for connectivity in this sector, as there are several “known” properties that house carrier networks within close proximity of each other. This proximity of brand name facilities makes finding the right one for core network interconnections at the physical layer challenging. The challenge is that you trust the brand, as you should, but what really is there, in that particular site?

The same checklist points apply here as they do anywhere else in regard to the facility infrastructure and interconnection rules, but the key to carrier access is the carriers actually present.

The service that is in the greatest demand in this area is IP transit, due to the number of businesses that use the public Internet as a platform for commerce. That differs from the international gateways of North America, which have more of a "service demand" mix. So, if you are seeking neutral, multi-carrier, multi-protocol Layer 2 and 3 services in Santa Clara, here's one possibility.

eXchange @ 1100 Space Park Drive is owned and operated by the eXchange @ 200 Paul team, which specializes in developing and managing the leading carrier hotels in the San Francisco Bay Area. It has developed facilities that are recognized throughout the world for their strategic locations, access to key fiber routes, scalability, security and quality. eXchange sites are directly on or near major fiber routes and urban local loop fiber rings and thereby provide unprecedented access to local, national and global networks in a financially stable environment.

The 1100 Space Park Drive facility is a marketplace that combines premier carrier hotel, collocation and interconnection facilities for network providers and enterprises in the Santa Clara region. This facility, with its developed meet me room, minimizes local access charges and capital costs for both carriers and enterprise network operators by bringing each into the facility directly. This creates an efficient environment for access to every type of network service, reducing time-to-market and increasing profitability for its tenants.

One key feature of this site is that it is home to a Tyco Telecom International transport gateway with direct access to Asia and the rest of the world. By the end of this year the owners of 1100 Space Park plan to provide low cost, virtual cross connections between this site and their 200 Paul facility in San Francisco.

For more information on eXchange @ 1100 Space Park Drive, contact Cliff Dillingham, carrier services manager at (415) 508-2866 or cliffd@e200paul.com, or visit www.e200paul.com.

Attributes of the Interconnect Facility

Facility size	2,000 sq. ft.
Suite	N/A
AC power feed	225 amps at 480 volt
Generator	Yes. Supplied from 2mW building generator system
Control system	Siemens Apogee building management system
UPS	Future 30 KVA (N+1) installation planned for Q3 2004
DC plant	400 amp DC plant
HVAC	CRAC Units (N+1 design)
Fire suppression	VESDA, standard smoke detection & double interlock pre-action

Carriers in Building

AT&T
Level 3 Communications
Looking Glass Networks
Neopolitan Networks
OnFiber
Qwest Communications
SBC – Pacific Bell
Silicon Valley Power
Tyco Telecom (International Gateway)
Verizon

Interconnection Guidelines

Can customers order cross connects to any other meet area customer?	Yes
Is the average turnaround time for cross connects 48 hours or less?	Yes
Is on-site technical support available 24/7/365?	Yes, on an outsourced basis
Can customers access the site 24/7/365?	Yes
Can the technicians test and turn up circuits?	Yes
Does the meet area operator perform the cross connect?	Yes, but not exclusively
Can the customer perform the cross connect?	Yes, under supervision of operator
Are all cross connects tagged and inventoried?	Yes
Is there a shared fiber panel (MDF, CFDP)?	Yes
Can the customer bring and install its own fiber distribution panels?	Yes
Is there a shared COAX or copper panel?	Yes
Can the customer bring and install its own COAX or copper panel?	Yes
Are there monthly recurring charges to cross connect in the meet area?	Mixed charge and N/C

For carriers not in the meet area, the interconnect options include:

All carriers in the building are given space in the meet me room and are required to install access (conduits) back to the meet me room.

The costs and availability are determined by:

Negotiated on a case by case basis.

Hunter Newby is chief strategy officer of TEL^X. If you own, operate or know of an interesting property that you would like featured in this series, please contact Hunter at hnewby@telx.com. Thank you.