

# Multi-Location Retail Enterprise & Dynamic T<sup>™</sup> Convergence

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When studying the hub and spoke network architecture of most multi-location companies such as restaurant chains and department stores, one notices that the telecommunications facilities in the spoke locations are comprised of a mix of the following facilities:

1-	Local Line Circuits	For Local & Long Distance Circuits
2-	DSL or Dial up:	For Transmission of Orders and Inventory
3-	Frame Relay	For Transmission of Orders and Inventory
4-	Local Line Dial-up:	For Credit Card Point of Sale Authorization
5-	Local Line Circuit:	For Alarm Requirements
6-	Toll Free Service	For Incoming Orders and Customer Service
7-	Local Line Circuit	For Security and Monitoring

Historically, the maintenance of this jumble of circuits and lines has been extremely expensive and time consuming and required multi-vendor, multi-service and multi-equipment management at each location. Most IT managers at the respective corporate offices found themselves spending a great deal of time and resources managing this convoluted infrastructure.

While the need for such facilities will always exist and may even expand, the corporate IT manager is always searching for a more cost effective way to retain and manage their facilities while keeping up to date with the newest technologies.

**Dynamic T Service** is designed solely to provide this type of simplification. The service is delivered via one T-1 access facility into each spoke location through which all of the services listed above are provided. The only additional equipment required is an Integrated Access Device, commonly known as an IAD. An IAD placed at each location will converge all of the services over one dynamically integrated T-1 for delivery to a Next Generation Service Provider. This configuration provides: Shared Internet access, low cost long distance and local calls, data transfer and video between all locations. In addition, aside from the monthly T-1 loop fee, the Dynamic T does not have any other line charges associated with the local voice circuits and offers further cost reduction by replacing up to 18 local lines.

Best of all, the monitoring and management of all IADs and T-1 facilities can also be managed by the Service Provider, releasing the customer from the responsibility of managing hundreds of local facilities, vendors and maintenance issues.

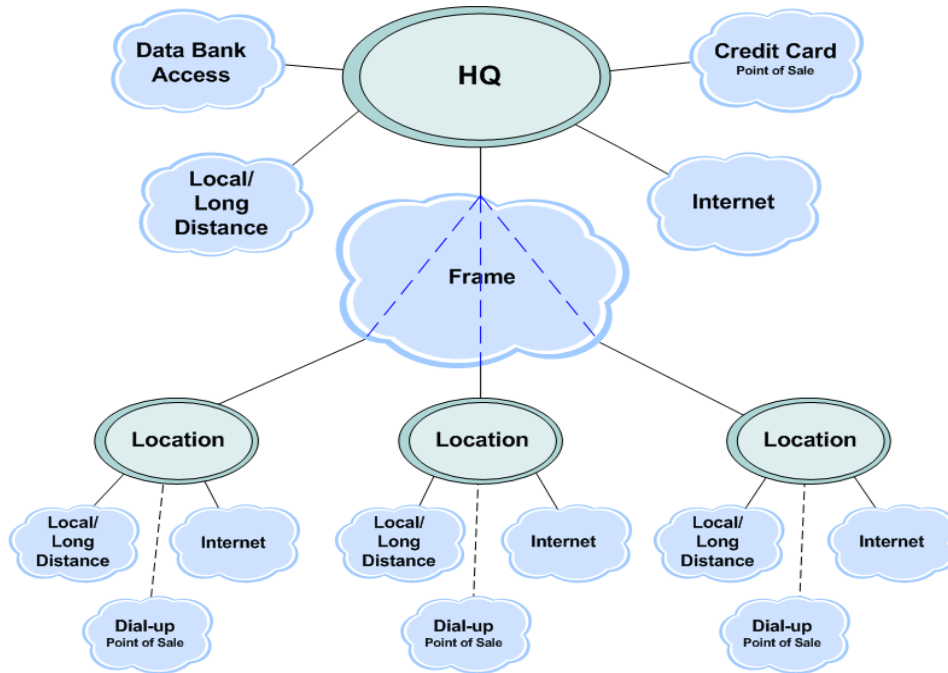
## **Dynamic T Menu of Services:**

The following services can be delivered via the Dynamic T facility:

- 1- Local & Long Distance Terminations
- 2- Toll Free 8XX Service
- 3- High Speed Internet
- 4- Frame Relay Access
- 5- MPLS IP/VPN Network
- 6- IP Video Telephony & off-net ISDN Network.

Additionally, In many cases, the Customer may require a direct link to a vertical clearance data banks ie: credit card clearance center to ensure seamless, instantaneous verification at the point of sale. The Dynamic T, by further customization can provide an additional dedicated link directly to the clearance center, which together with a dial-up back-up, will deliver the highest level of performance and availability for these mission critical verifications.

# Existing Environment



# Proposed Environment

