

Orchestrating a brighter world

**NEC**

# Network Connect





# The world's first call-routing solution connecting enterprises directly to the wholesale telecom market.



## At a Glance

- Up to 30% or more cost savings using Network Connect
- Increases network availability at a lower cost
- Eliminates retail fees, charges for un-used features and call-time rounding from your phone bill
- Automatic selection picks the most cost-efficient and highest quality call path
- Turnkey access to hundreds of voice carrier networks
- Centralized and consolidated network management for better visibility
- Fully scalable system to meet growing business demands
- Run full assessments of enterprise-wide telephony usage
- Set daily or monthly spending limits
- Supports private connections, E911 services, and inbound caller ID
- Supports T.38 protocol allowing support for FAX data over an IP network

## Challenge

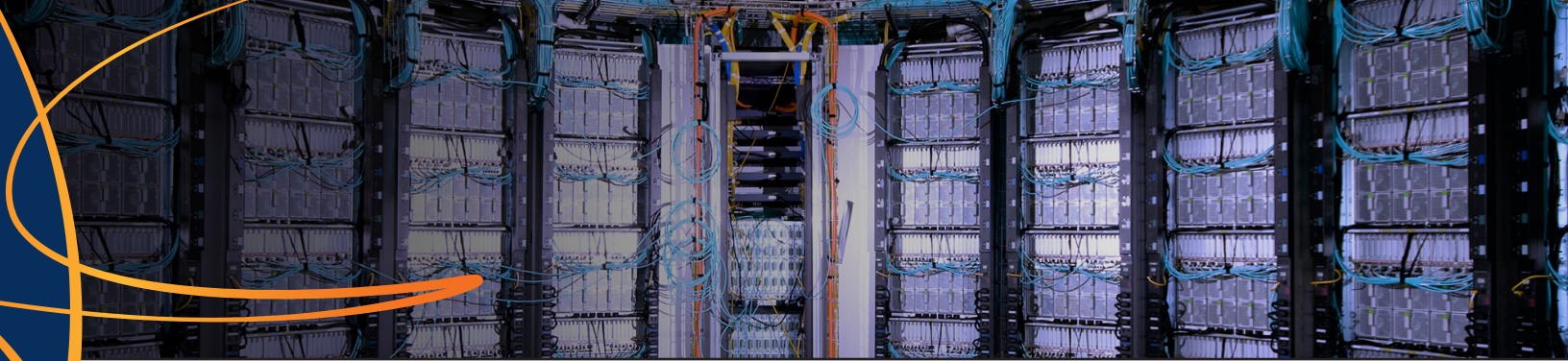
Cost effective and reliable telecommunications are critical in today's business environment. It can be easy to overlook the amount of money your business is spending on phone bills. After all, business phone communications are a necessity which is why companies tend to cut back on other expenditures in order to keep operating costs down. Many companies are unaware of the fees standard carriers tack on to their bill such as charges for unused features or network routing fees. Unless you have already done a careful audit of your phone bill, you could be overpaying.

Some companies have considered switching to a different provider, but out of the hundreds of providers available, none offer a more efficient plan that would make signing a new contract worth-while. Other organizations think they are achieving maximum cost-savings by using many different network providers. The truth is, there is a more efficient way that could save your company up to 30% or more while offering more visibility into call traffic.

## Solution

Imagine if you put hundreds of carriers into a single room and asked them to compete for your business on each and every call. This is how the wholesale telecom market works, and is what makes Network Call Routing Connect unique. Network Connect leverages the wholesale telecom ecosystem available through 46 Labs Communications. If one carrier is having an issue, it is removed from the Network Connect carrier-hub automatically and another carrier bids to earn your business. If one carrier raises their price, a different carrier would lower their price to win your call.

Enterprises that use Network Connect have the opportunity to save 30% on their telephony voice spend. Additional benefits of using Network Connect include eliminating network vulnerability, centralization of voice management systems, higher quality of service, increased network availability and more visibility into call traffic.



## Simplicity

Network Connect is simple. Enterprises do not have to change anything about their day-to-day operations in order to receive massive cost savings and additional benefits. There is no upfront investment or wait period in order to realize massive cost savings and network improvements. Enterprises simply switch to the Network Connect system and immediately begin seeing the benefits.

All you need is a device that supports SIP trunks, such as a PBX, and an internet connection. Network Connect includes an Enterprise Session Border Controller (eSBC), so your service is completely secure. If you already have an SBC, you can connect it to the Network Connect system like any other SIP Trunking provider. If your system is not capable of supporting SIP trunks, Network Connect can also be used with a PRI form factor.

## Get More, Spend Less

Enterprises purchase per-port access into the Network Connect carrier-hub and simply establish a SIP Trunk connection to the nearest Point-Of-Presence (PoP). The Network Connect carrier-hub will automatically handle all carrier selection, taxation, security, cost and quality optimization. The automatic selection is powered by artificial intelligence (AI) and machine learning. Enterprises gain full access to an up to the minute assessment of telephony usage, the ability to set daily or monthly spending limits and the option to integrate multiple sites into one single dashboard. Hundreds of carriers compete on a call-by-call basis to earn your business, so enterprises are not locked into any single carrier and always receive the best possible price and quality.

## Pay For What You Use

With Network Connect, companies only pay for the voice traffic and the numbering that is consumed. If usage changes month-to-month, so does the bill. If a company wants to support 20 simultaneous voice calls, they purchase 20 ports. Network Connect does not require a minimum or maximum number of ports to be purchased in order to access the system.

Standard carriers bundle services together and have limited options specifically made for SMB's and large enterprises. NEC is taking a different approach—we know that not all business environments are alike and that each environment requires differentiated voice solutions. Network Connect offers enhanced call routing that is scalable for your unique business.

## Network Optimization

Network Connect uses many of the same carriers enterprises are currently utilizing today. There is no single carrier that controls this market. Network Connect's carrier-hub is created by thousands of voice carriers globally, working collaboratively and competitively to send and receive phone calls. Much like the internet, a call within Network Connect's carrier-hub may take multiple paths and touch multiple carriers to get between a sender and a receiver. The more carriers that exist within Network Connect's carrier-hub, the shorter the paths get and the less expensive a call is to deliver.

## Connectivity and Greater Visibility

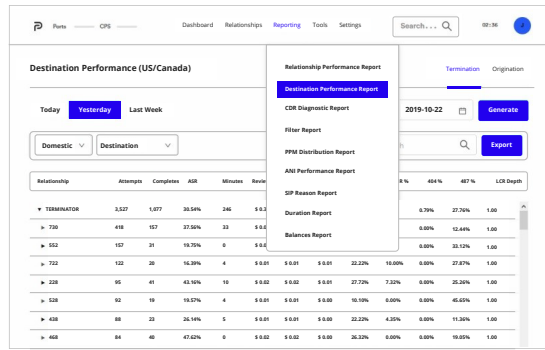
Many enterprises today use different carrier networks for each office location or building. Using multiple voice providers for different offices creates a divide in you company's voice environment. All voice providers bill differently and have different fees and metrics which makes assessing company-wide usage and trends near impossible.

Network Connect can be used to connect multiple sites and consolidate spend for an entire organization. Not only does Network Connect save you money by eliminating unnecessary fees but also provides more intelligence of company-wide telephony usage. You simply purchase per-port access for each site, and the telecom that is consumed from Network Connect is shared. You can report on and control spend per-site, even when sites are connected to different point-of-presences. Network Connect enables businesses to run comprehensive, company-wide reports that include call history and usage, call trends, phishing identification, robo-call identification and more.

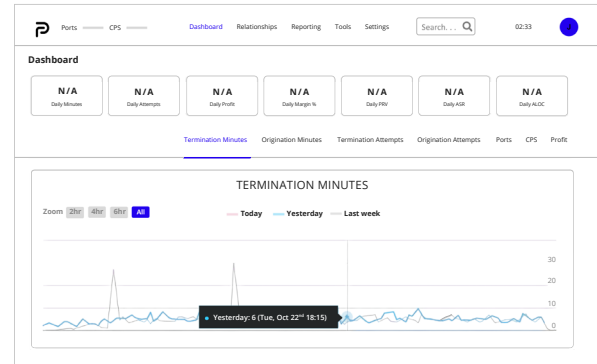
## Comprehensive Reporting Capabilities

Ports CPS Dashboard Relationships Reporting Tools Settings Search... 02:42	
Platform Status Report	
15 Search	Upload Status Deck Generator Master Code List Pending Decks Platform Status Live Calls Call Recording
Component	Status
db-627aafad-1 (Database)	OK
sa-627aafad-1 (Load Balancer)	OK
ib-627aafad-1 (Load Balancer)	OK
ms-627aafad-1 (Media Switch)	OK
rp-627aafad-1 (Reporting Manager)	OK
im-627aafad-1 (Traffic Manager)	OK
tm-627aafad-2 (Traffic Manager)	OK
sa-627aafad-2 (Traffic Switch)	OK
ib-627aafad-2 (Traffic Switch)	OK

Network Connect **Platform Status Report** shows how the system is operating - displays nodes, live calls, rate deck updates, etc.

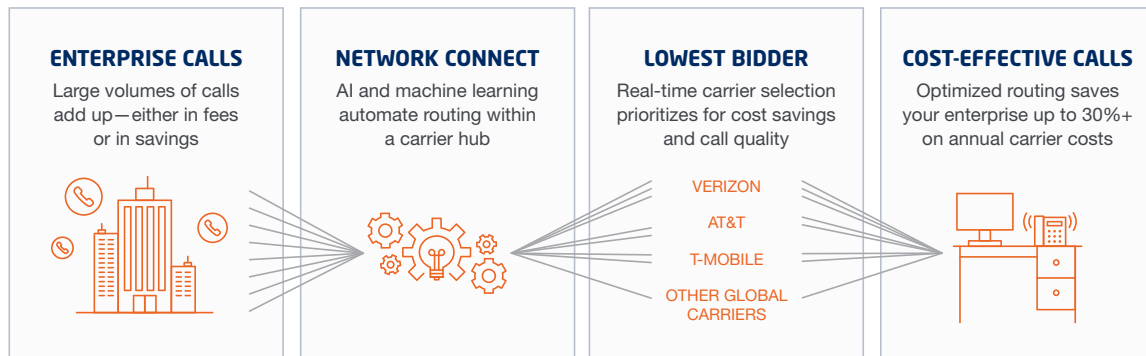


Network Connect **Destination Performance Report** shows the breakdown of call attempts and completions, by destination, individual number (ANI) and insights into the call detail record (CDR). This is helpful in analyzing enterprise-wide usage in order to optimize business and efficiency.



Network Connect **Termination Minutes Report** shows real time call minutes and usage. Enterprises can use this report to identify traffic patterns and volumes.

## The Difference



	Network Connect	Standard Carriers
<b>Carrier</b>	<ul style="list-style-type: none"> <li>Utilizes multi carrier networks</li> <li>Automatic failover if network is down</li> <li>Avoids carriers with excessive fees and limited availability</li> </ul>	<ul style="list-style-type: none"> <li>Single point of failure</li> <li>Single carrier capabilities and limitations</li> <li>Network bias</li> <li>No scalability</li> </ul>
<b>Call Time Charges</b>	<ul style="list-style-type: none"> <li>Actual, to the second</li> </ul>	<ul style="list-style-type: none"> <li>Call times are rounded up resulting in higher bills</li> </ul>
<b>Fees</b>	<ul style="list-style-type: none"> <li>Wholesale pricing based on usage and users</li> </ul>	<ul style="list-style-type: none"> <li>Flat rates</li> <li>Additional retail network fees and upcharges</li> <li>Charges for unused features</li> </ul>
<b>Visibility</b>	<ul style="list-style-type: none"> <li>Visibility into enterprise wide call traffic</li> <li>Single-pane of glass management system</li> </ul>	<ul style="list-style-type: none"> <li>No visibility into call traffic or network usage</li> <li>Inability to locate network issues</li> </ul>
<b>Call Quality</b>	<ul style="list-style-type: none"> <li>The highest quality of service during every call</li> </ul>	<ul style="list-style-type: none"> <li>Dependent on one network</li> <li>No automatic failover if network is down</li> </ul>
<b>Contract Terms</b>	<ul style="list-style-type: none"> <li>Flexible with many options</li> </ul>	<ul style="list-style-type: none"> <li>Long, fixed contracts</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>Machine learning powered by AI and voice quality optimization</li> </ul>	<ul style="list-style-type: none"> <li>Varies by carrier</li> </ul>

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