

# NTS 2000

Centralized Administration and Account Management for NACT Telecom Solutions

## Product Features

The NACT NTS 2000, a complete and centralized provisioning, administration, and account management platform, is a component of the NACT Telecom Solutions architecture.



- > Versatile prepaid and postpaid product management
- > Flexible call rating from multiple perspectives
- > Sophisticated report generation, scheduling and management
- > Accurate invoicing
- > Robust account management and customer service features
- > Web-based user interface
- > Data Partitioning
- > User- and Role-based Security
- > Efficient switch provisioning
- > Standards-based API for 3rd-party integration

## Centralized Management for Intelligent Switching Gateways

The NACT NTS 2000 is the administrative core of NACT Telecom Solutions. This administrative and account management system stores consumer and system configuration information, call detail records (CDRs), and pre- and postpaid transactions. Users perform administrative functions such as rating configuration, account management, business report generation, switch provisioning, and prepaid card management. The NTS provides a centralized interface for easy access to critical business information, delivering real-time business insights vital to the superior performance of your network.

As NACT intelligent switching gateways capture call data, CDRs and switch-generated transactions are passed to the NTS where they are posted and archived. The NTS can then rate call records many different ways to create different "views". These "views" include assigning wholesale, carrier inbound/outbound, and competitive rates to the existing retail cost of a call. This powerful yet flexible rating engine gives you the ability to produce profit/loss, costs evaluation and traffic reports to manage and operate your business more effectively.

Along with these powerful rating and reporting features, the NTS provides flexible account management and invoicing tools that provide access to historical and real-time data. This enables service providers to quickly create and deploy unique service programs that address the individual needs of their customer base. Additionally, secure customer service tools, agent access with data partitioning, a web-based interface, and API features complete the impressive feature set of the NTS, giving you a complete provisioning, administration, and account management system.

## Efficient, User-friendly Provisioning and Account Maintenance

Provisioning functions:

- Pre- and postpaid product creation and management
- Retail and wholesale account creation
- Prepaid card lot/batch creation
- Retail, wholesale, and carrier rate configuration
- Tax schedule configuration

Prepaid card management functions:

- Lot/Batch Management
- Prepaid card number generation
- Activation and deactivation
- Recharging
- Status changes
- Expiration management
- Service fee management

Account maintenance functions:

- Credit issuance
- Payment Entry (Postpaid)
- ANI/CLI provisioning
- Invoice generation
- British Telecom EBC invoicing

Historical and real-time reporting:

- Prepaid and postpaid financials
- Call detail records
- Traffic engineering and alarming
- Profit/Loss
- Account activity
- Payment status

Retail and Wholesale Invoicing:

- Selectable currency
- Recurring service fees
- Paper and electronic formatting
- Billing cycles
- Invoice groups

Automated alarms and system monitoring:

- Email alerts
- Browser-based monitoring
- System performance, status and fault alarming

## Rating, Reporting and System Monitoring Functions

- Sophisticated and flexible rating engine
- Retail/wholesale rating
- Inbound/Outbound carrier rating
- Competitive carrier rating
- Configurable rating durations (1 sec minimum)
- Configurable rating amounts (.000001 minimum)
- World-wide destination number rating resolution
- Specifiable rate periods (Day, Evening, Night and Holidays)
- Surcharges and taxes
- Override and Additive rates
- British Telecom EBC rating

## Platform Specifications

The NTS 2000 comes complete with all hardware and software needed to set up and operate it. The applications software, which runs on an industry standard server, includes the LINUX operating system, INFORMIX database and Java-based client, allowing it to be integrated with other OSS systems.

- RedHat Linux Enterprise AS
- Informix Dynamic Server 9.4 DBMS

## Small System

- Dell PowerEdge™ 2850
- Single Pentium Xeon® processor
- 1 GB RAM (expandable to 12 GB)
- Dual channel RAID controller
- 2 x 146 GB hot-swappable hard drives, RAID 1

- DAT 72 (36/72 GB) tape drive
- Dual 10/100/1000 Mbps Ethernet ports
- CD-ROM drive
- 2U form factor
- 700 watts typical power consumption
- UPS 700 VA

## Small System Performance

- 25,000 calls/hr rating and posting rate
- 40,000 prepaid cards/hr generation rate
- 15 million prepaid calling card storage capacity
- 20 million call record storage capacity
- 250,000 account capacity
- 250,000 rate schedule capacity

## Medium System

- Dell PowerEdge™ 2800
- Dual Pentium Xeon® processors
- 2 GB RAM (expandable to 12 GB)
- Dual channel RAID controller
- 6 x 72 GB hot-swappable hard drives, RAID 5
- DLT (40/80 GB) tape drive
- Dual 10/100/1000 Mbps Ethernet ports
- CD-ROM drive
- 5U form factor
- Redundant power supplies (1+1)
- Redundant fans
- 700 watts typical power consumption
- UPS 700 VA

## Medium System Performance

- 50,000 calls/hr rating and posting rate
- 75,000 prepaid cards/hr generation rate
- 50 million prepaid calling card storage capacity
- 75 million call record storage capacity
- 500,000 account capacity
- 250,000 rate schedule capacity

## Large System

- Dell PowerEdge™ 6600
- Quad Pentium Xeon™ processors
- 4 GB RAM (expandable to 32 GB)
- Dual channel RAID controller
- 8 x 146 GB hot-swappable hard drives, RAID 5
- LTO tape drive autoloader (8 x 200/400 GB)
- Dual 10/100/1000 Mbps Ethernet ports
- CD-ROM drive
- 9U form factor
- Redundant power supplies (2+1)
- Redundant fans
- 1255 watts typical power consumption
- UPS 1400 VA

## Large System Performance

- 108,000 calls/hr rating and posting rate
- 150,000 prepaid cards/hr generation rate
- 75 million prepaid calling card storage capacity
- 200 million call record storage capacity
- 1,000,000 account capacity
- 500,000 rate schedule capacity

The NTS 2000 is a component of NACT Telecom Solutions

