



Billing Platform Feature Specifications Supplement

Software Release v 2.0

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1 Revision History

Rev	Date	Editor	Description
1.0	11/11/2007	JLB	Initial Draft
1.01	11/23/2007	JLB	Minor Formatting Edits
1.02	12/19/2007	JLB	minor edits
1.1	10/25/2008	DVC	Updated for version 1.3.1
1.11	10/28/2009	JPB	Edits for code updates version 1.5
1.12	11/28/2010	PM	Billing Supplement Added 2.0

Overview

- Prepaid subscribers
 - a) Coupon Codes
 - b) MAC Based authentication
- Plan Selection
 - a) Price plans listed for different speeds and time
 - b) Variable using price plans vs. advertising viewed
 - c) Unique one time plans “Teasers”
- User self registration
 - a) Users account and password management
 - b) Plans and Payments
 - c) Purchase new service or upgrade, change plans
 - d) Access account details
 - e) View charge history
 - f) Email upcoming billing reminders
 - g) Reoccurring Billing
- Invoicing
 - a) Automatic invoicing via email
 - b) Brandable billing
- Account and user management
 - a) View transaction amounts
 - b) Payments by credit card or PayPal
 - c) Manual payments by cash or check (requires manual input to WiDirect)
- Flexible charging for Tiered Service Plans
 - a) Usage charges
 - i. Coupons
 - ii. Time and day of week selection
 - iii. Local selection
 - b) One-time charges
 - c) MAC Based Authentication
- Automatic Payment and Reoccurring Payment
- Accounting Reports

- a) Invoicing
- b) Payment
- c) account statements

- Receiving Payments
 - a) Manual payment interface
 - b) Credit card processing
 - c) PayPal
 - d) Authorize.com

User Management

- GUI interface for user database and user groups
- Remote management to disconnect or troubleshoot users from anywhere
- Port Prioritization
- Configurable and customized per location captive portal
- Bandwidth, time and traffic control per user, location, plan or group

WiDirect Management Features

- Bandwidth and user experience management
- Radio Vendor agnostic
- Centralized authentication and accounting for all clients
- Multi-use business model support on one platform
- SSL secured HTML based administration
- Scalable to handle Hundreds of Thousands of users of users and concurrent sessions
- High-performance and reliable hardware
- User concurrency viewing logins in administration tools

- Integration with SNMP based network management solution

Data Plan Capabilities

- Expiration check
- Expiration date
- Time quota
- User plan selection based on operator plan creation, for self registered users
- Coupon based rate
- Location based rate
- Access point based rate
- Usage charges
 - a) Coupons
 - b) Destination charging based on location or specific access points
- One-time charges

Customer, User and Administrator Management

- view account by user
- User information input settings
- View user sessions and history
- Advanced search for users
- Accounts can contain any number of users
- Ability to send email to customers and end users
- Password, username, etc. change options
- Business partner management where 3rd parties can control their own users

- Multiple Types and Classes of Administrators
- Administrator login tracking

User Access Control and Billing Related Disconnect

- Send notification to users: email, text (3rd party service required for Texting)
- Automatic disconnect of users when account expires
- Expiration options example, reduced speed for overdue accounts with graduated speed reductions for given time.
- Active disconnection of users from Administrative user interface
- Concurrency enforcement per group or per user

Reporting

- Reseller/Location Reports
 - a) Statements
 - b) Automatic payments
 - c) All payments
 - d) Income
- Global Activity Reports
 - a) Logins
 - b) System availability
 - c) List
 - d) Payments
 - e) Sessions
 - f) More Reports available for specific operators
- User Reports
 - a) List
 - b) Transactions
 - c) Login Stats
 - d) Payments
- Performance Reports

- Coupon Reports and Management
 - a) Coupon list and exporting
 - b) Coupon status report
 - c) Use coupons and income
- All Payment History Report
- Open database to generate extended reports through reporting tools, fully customizable
- Session and summary reports per user, per location, per access point, etc



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