LEND360

# Innovation in Banking Products


**SPEAKERS**

**Keith Goodnight,** MicroBilt
**John Kaltenbach,** MicroBilt
**Sheri Reynolds,** MicroBilt


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# Innovation in Banking Products

## Bank Data for Alternative Credit

Speaker: Keith Goodnight

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# Multi-Dimensional

## Account Level Data

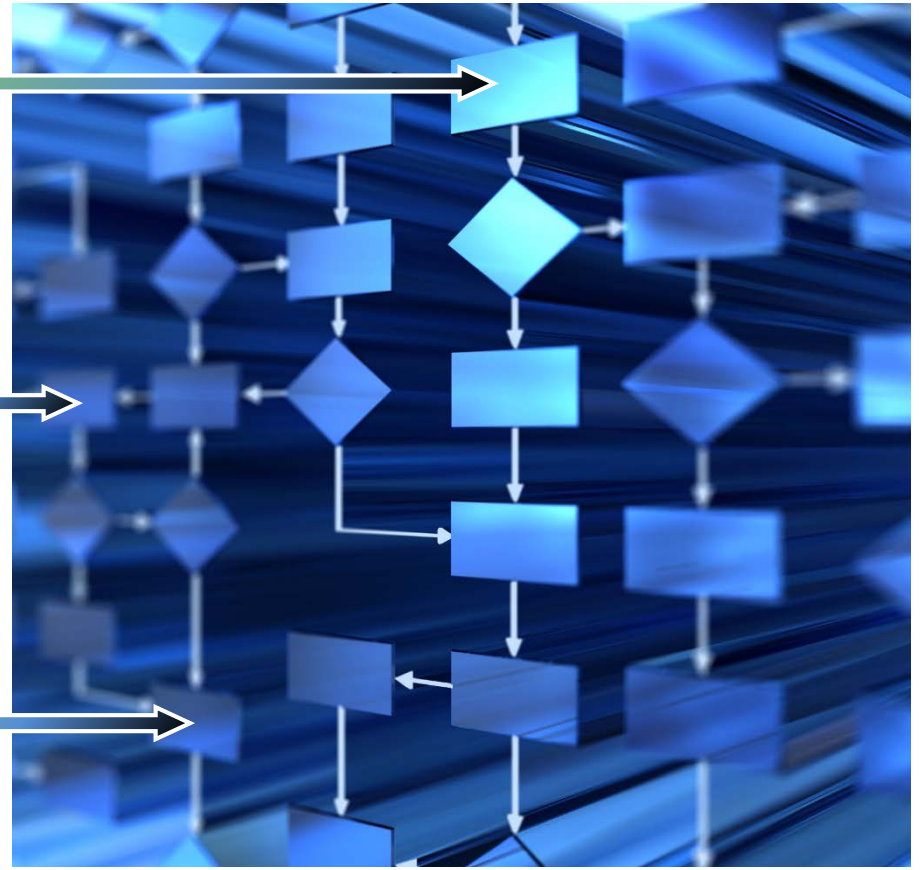
- ✓ Routing & Account Number
- ✓ Account Status (Open/Closed)

## Transaction Level Data

- ✓ Credit & Debit Details
- ✓ Transaction Type
- ✓ Dates & Amounts

## Account Behaviors

- ✓ Positive Events
- ✓ Negative Events



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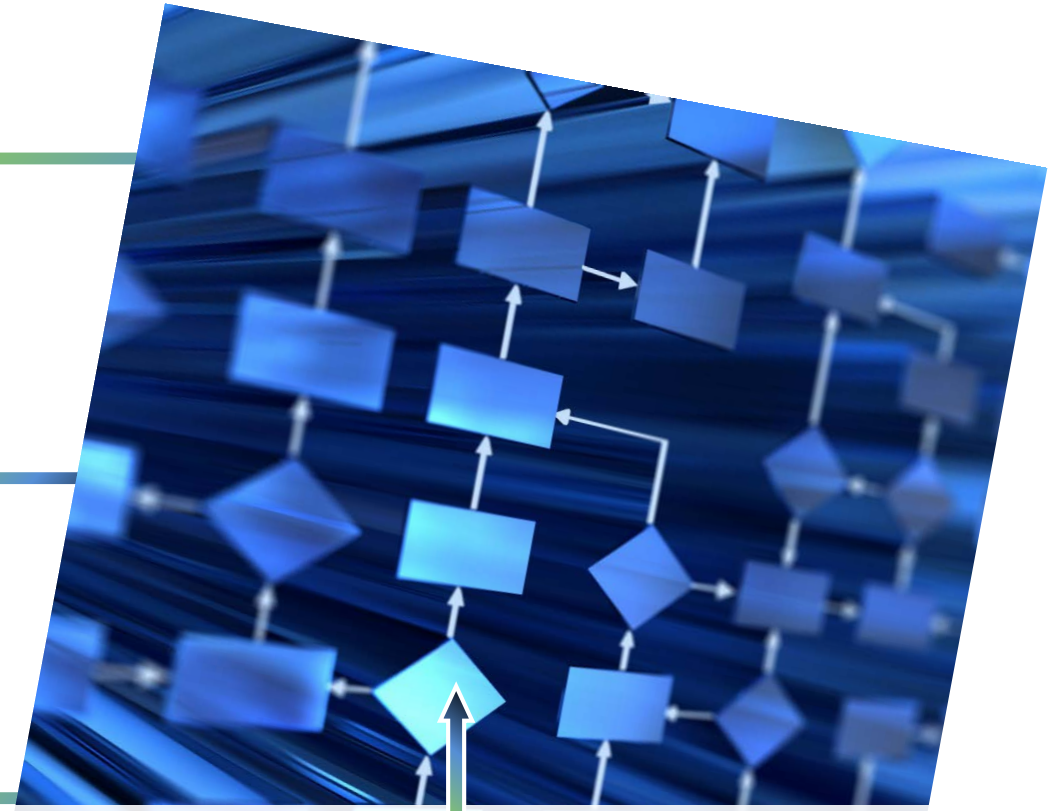

### Loan Reporting

- ✓ On-Time Payments w/Bank Account
- ✓ Defaulted Payments w/Bank Account

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## Multi-Dimensional

### Account Level Data
- ✓ Routing & Account Number
- ✓ Account Status (Open/Closed)

### Transaction Level Data
- ✓ Credit & Debit Details
- ✓ Transaction Type
- ✓ Dates & Amounts

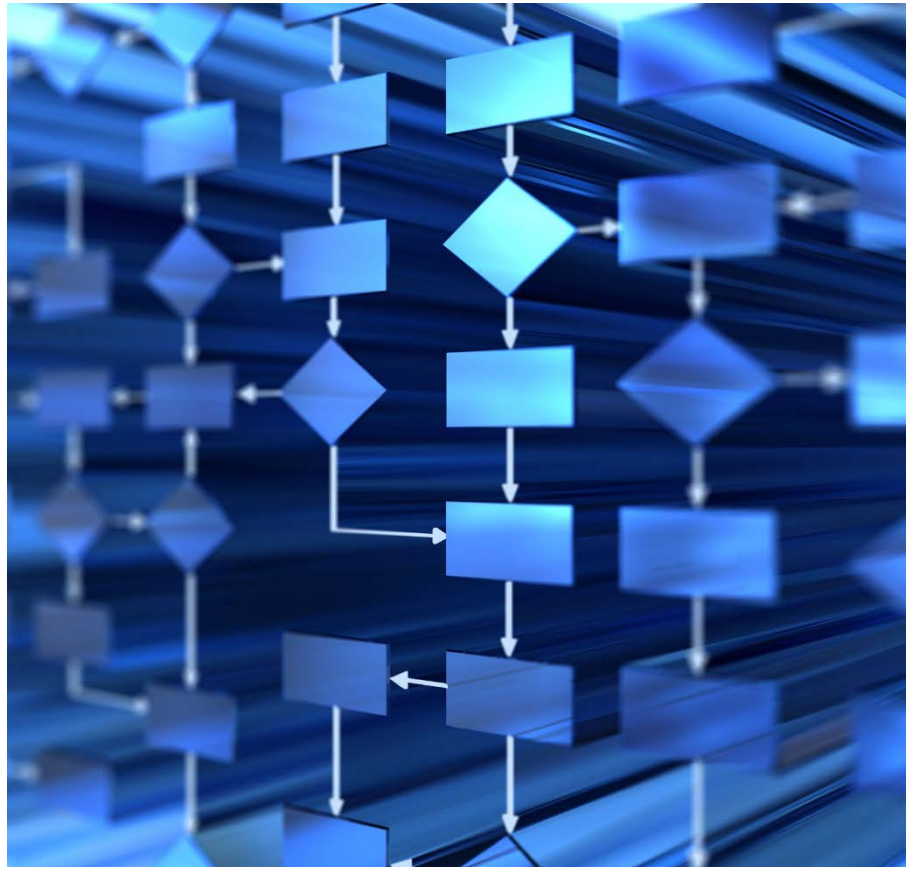
### Account Behaviors
- ✓ Positive Events
- ✓ Negative Events

### Trended Attributes
- ✓ Payments
- ✓ Loans

### Loan Reporting
- ✓ On-Time Payments w/Bank Account
- ✓ Defaulted Payments w/Bank Account

First Dimension

**Bank Account Verify (BAV)**



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## Key Benefits

### Fraud Prevention

- ✓ Verify bank account is legitimate and low risk
- ✓ Identify if bank account is associated to multiple loans
- ✓ Identify negative loan events associated with bank account

### Reduce Loan Default

- ✓ Receive additional predictive attributes for use in underwriting decisions
- ✓ Use BAV Score as stand-alone model or in conjunction with other scores

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BANK ACCOUNT VERIFY

BANK ACCOUNT VERIFY

**Bank Account Verify**

Reported: 16, 2017, 12:30 PM ET

Transaction #: {Unique trnx #}

**Applicant Information**

**JOHN TEST**
SSN: 123-45-6789

Customer Reference #: 555666777
Date of Birth: January 10, 1987

Aliases: JOHNNY TESTMAN, JOHN WILBUR TESTMAN, JOHNNY TESTMAN

| | |
|---|---|
| Submitted Address: | 123 MAIN STREET<br>ATLANTA, GA 30303<br>Fulton County<br>View on Map |
| Home Phone: | (404) 555-1212 |
| Mobile Phone: | (707) 444-5555 |
| Work Phone: | (404) 222-2222 |
| Email Address: | john.testman@test.com |
| Driver's License Number: | 2221234321 |
| Driver's License State: | GA |

**Bank Performance Score**

| Score | Score Factors |
|---|---|
| 650<br>Trending: Positive | 01 Length of account payment history<br>02 Number of reported accounts<br>03 Account Invalid<br>04 Length of account payment history |

**MICR Summary**

| | |
|---|---|
| ABA #: | 123456789 |
| Account #: | 5654985 |
| Correct DL Format | Yes |
| Institution Name: | MICROBILT BANK |
| Risk Level: | HIGH |
| Account Reported Closed: | No |
| Account Reported as Invalid: | Yes |
| Accepts ACH: | Yes |
| # Times Seen: | 15 |
| Last Name Match: | Yes |
| First Time Seen: | 12/12/2016 |
| Last Time Seen: | 5/15/2017 |
| Date of Last Return | 5/15/2017 |

## Bank Performance Score

- ✓ Highly predictive
- ✓ Trend trajectory
- ✓ Score factors

## MICR Summary

- ✓ Institution info
- ✓ Risk level
- ✓ Account status
- ✓ DL & Name tests
- ✓ Dates seen
- ✓ Last return date

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BANK ACCOUNT VERIFY

**MICR Match- 3 Year History**

| Match Record Type | Match | Matched First Seen | Matched Last Seen |
|---|---|---|---|
| Last Name | Y | 10/6/2007 | 10/6/2007 |
| Address | Y | 10/6/2007 | 10/6/2007 |
| SSN | Y | 10/6/2007 | 10/6/2007 |
| DOB | N | 10/6/2007 | 10/6/2007 |
| DL Number | N | 10/6/2007 | 10/6/2007 |
| Mobile Phone | Y | 10/6/2007 | 10/6/2007 |
| Home Phone | N | 10/6/2007 | 10/6/2007 |
| Email Address | N | 10/6/2007 | 10/6/2007 |

## MICR Match – 3 Year History

- ✓ Verification of MICR vs. PII
- ✓ First & Last Seen Dates

## Associated DLs & Phones

- ✓ Driver's license summary
- ✓ Phone number summary

**Driver's License Matched - 3 Year History**

| Description | DL State | # Times Seen | First Seen | Last Seen |
|---|---|---|---|---|
| 123456789 | GA | 18 | 10/6/2007 | 12/1/2008 |
| 9292391031 | FL | 4 | 10/6/2007 | 12/1/2008 |
| 4845566S12 | KS | 18 | 10/6/2007 | 12/1/2008 |
| 0285469825 | IA | 4 | 10/6/2007 | 12/1/2008 |
| 1542658742 | WY | 18 | 10/6/2007 | 12/1/2008 |

**Phone Numbers Matched - 3 Year History**

| Description | # Times Seen | First Seen | Last Seen |
|---|---|---|---|
| 999-555-1212 | 18 | 10/6/2007 | 12/1/2008 |
| 888 612-5555 | 4 | 10/6/2007 | 12/1/2008 |
| 777 412-6666 | 18 | 10/6/2007 | 12/1/2008 |
| 999 871-9898 | 4 | 10/6/2007 | 12/1/2008 |
| 888 891-3212 | 18 | 10/6/2007 | 12/1/2008 |

## Event Trends – 3 Year History

- ✓ Payments and returns
- ✓ First and last seen dates

## Performance Summary

- ✓ Key attribute summary
- ✓ Trend trajectory
- ✓ Total vs. negative event trendline

**Performance Trend Report: MICR-to-Loan 3 Year Trend Summary for Application MICR**

Master Performance Summary MICR and Loan

| Attribute | 0-6 | 6-12 | 12-18 | 18-24 | 24-30 | 30-36 | Total | Trend |
|---|---|---|---|---|---|---|---|---|
| Total Events | 4 | 3 | 4 | 3 | 3 | 3 | 13 | |
| Total Neg Events | 0 | 1 | 0 | 1 | 2 | 3 | 6 | |
| - Total Neg 6/mo Trend | 3 | 2 | 3 | 2 | 1 | *** | | Positive |

MICR Performance Summary - 3 Year History

| Attribute | 0-6 | 6-12 | 12-18 | 18-24 | 24-30 | 30-36 | Total | Trend |
|---|---|---|---|---|---|---|---|---|
| # Transactions: | 5 | 3 | 6 | 10 | 0 | 0 | 24 | |
| -All Returns: | 2 | 2 | 1 | 2 | 0 | 0 | 7 | |
| -Returns 6 Month Trend: | 0 | -1 | 1 | *** | 0 | *** | 0 | Neutral |
| Paid Returns | 0 | 1 | 1 | 1 | 0 | 0 | 3 | |
| Unpaid Returns | 2 | 0 | 0 | 1 | 0 | 0 | 3 | |
| Reported Returns Status Unknown | 0 | 1 | 0 | 0 | 0 | 0 | 1 | |

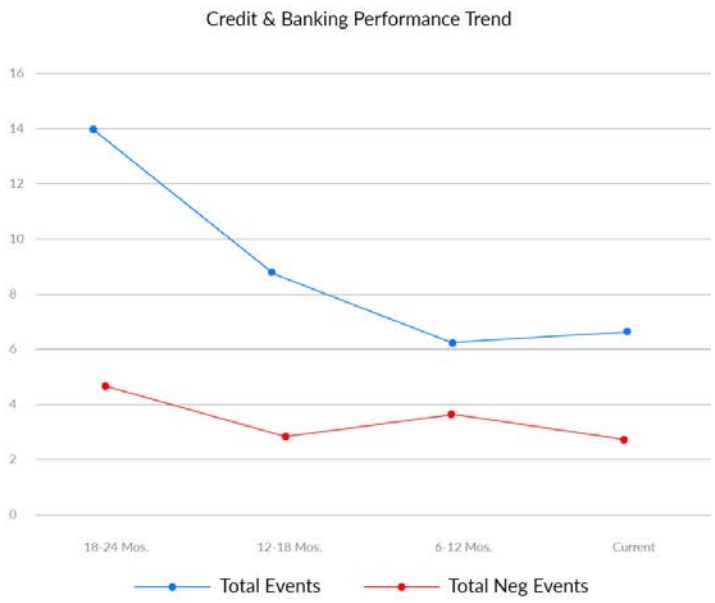
MICR Additional History

| Attribute | Description |
|---|---|
| Average Days to Pay Return | 5/15/2017 |
| Additional Reported Negative Activity | 1/15/2017 |

| Attribute | Count | Amount |
|---|---|---|
| Current Unpaid Returns on MICR | 6 | $6,094 |
| Current Unpaid Returns Linked to the Driver's License | 1 | $400 |
| Total Unpaid Returns | 7 | $6,494 |

Master Performance Summary MICR and Loan

| Attribute | Description |
|---|---|
| # Periods w/ Negative Events | 4 |
| Last Period Change | 0-6 |
| Last Period Trajectory | Positive |
| Period With Highest # Negative Events | 0-6 |



## Loan Performance Summary

- ✓ Loan-MICR events
- ✓ Loan-MICR trends

**Loan Performance Summary - 3 Year History**

| Attribute | 0-6 | 6-12 | 12-18 | 18-24 | 24-30 | 30-36 | Total | Trend |
|---|---|---|---|---|---|---|---|---|
| #Loan-MICR Events: | 2 | 3 | 3 | 4 | 0 | 0 | 12 | |
| -Loan-MICR 6 Month Trend: | | | | | | | | |
| #Loan-MICR Neg Events: | 0 | 2 | 2 | 3 | 0 | 0 | 7 | Neutral |
| -Loan-MICR Neg 6 Month Trend: | | | | | | | | |

**Loan Performance Additional History**

| Attribute | Description |
|---|---|
| Date of Last Loan Origination | 1/5/2017 |
| Date of Last Loan Default | 2/1/2016 |

| Attribute | Count | Amount |
|---|---|---|
| Loans Reported | 6 | $1,517 |
| Loans Paid in Full | 4 | $750 |
| Current Loans Outstanding | 1 | $517 |
| Current Loans in Default | 1 | $267 |

## Loan Attributes Linked to MICR

- ✓ General loan attributes
- ✓ Loan default indicators

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# Applying Banking Solutions

# Contact


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# Instant Bank Verification (IBV)

## The Most Trusted Bank Aggregation & Verification Solution

Speaker: John Kaltenbach

microbilt

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# Know Your Customer and Assess Their Ability to Pay

IBV is available in these three applications:

## Consumer

Ideal for retail loan origination, short term lending, auto financing, property rental, and more.

## Mortgage

Popular among mortgage providers for delivering quick, accurate bank verification.

## Business

Used by lenders nationwide to evaluate another company's ability to manage loans or credit.

### Rock solid security for you, your business and your customers

IBV uses the same security protocols as large banks and major credit card companies.
This includes PCI DSS 3.0, SSAE16 Type II Sox1, AICPA, 256 BIT SSL.

PCI DSS COMPLIANT · digicert® · AICPA SOC · eI3PA ASSESSMENTS & CERTIFICATION

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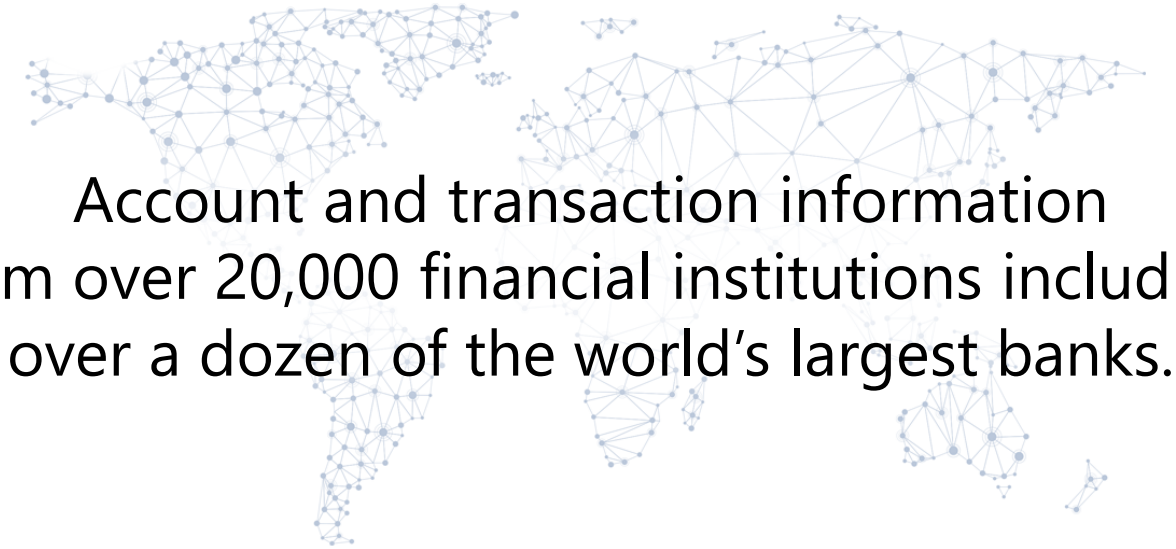

Account and transaction information
from over 20,000 financial institutions including
over a dozen of the world's largest banks.

## Dedicated Customer Service Available 24/7

Both technical and customer service support to businesses, with product support completely free of charge.
Online chat available during regular business hours during the business week.
Dedicated 800 numbers and inbound email addresses for support purposes.

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2 APIs Available

Available via:
Commercial Software
Website Portal

Know Your Customer
& Access
Affordability

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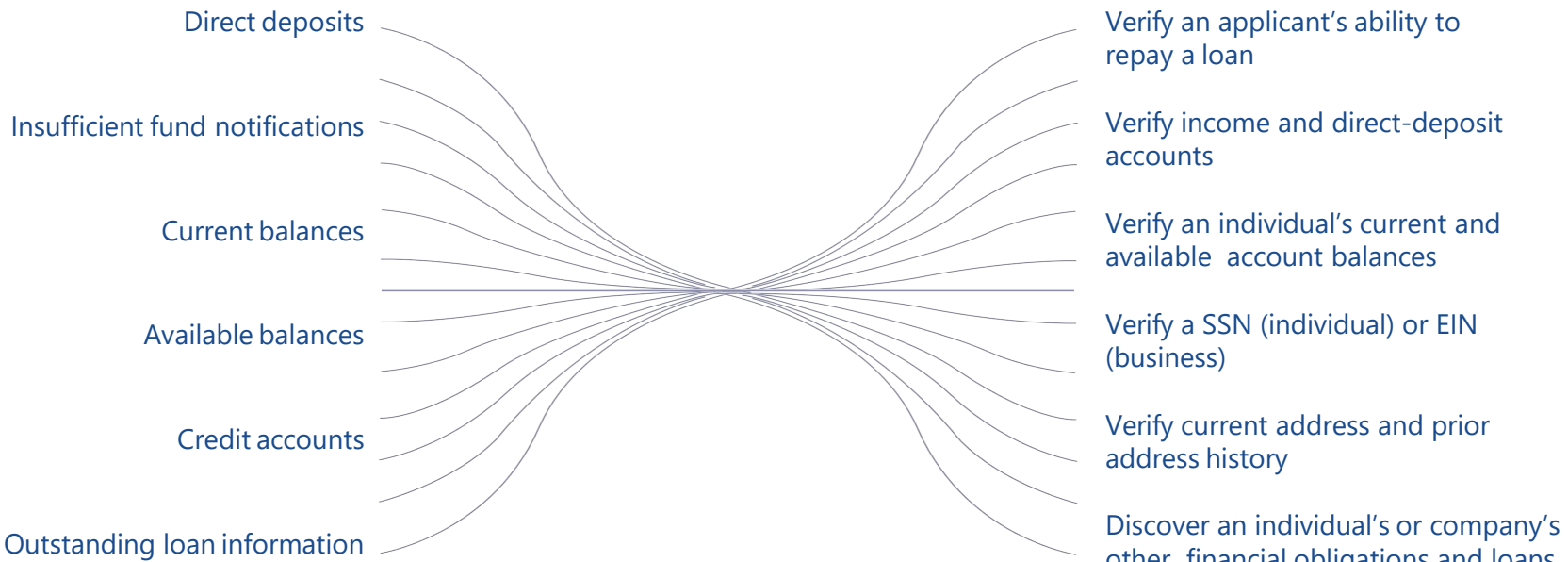
# Better Data Means Better Decisions

Gain easy access to comprehensive transactional data



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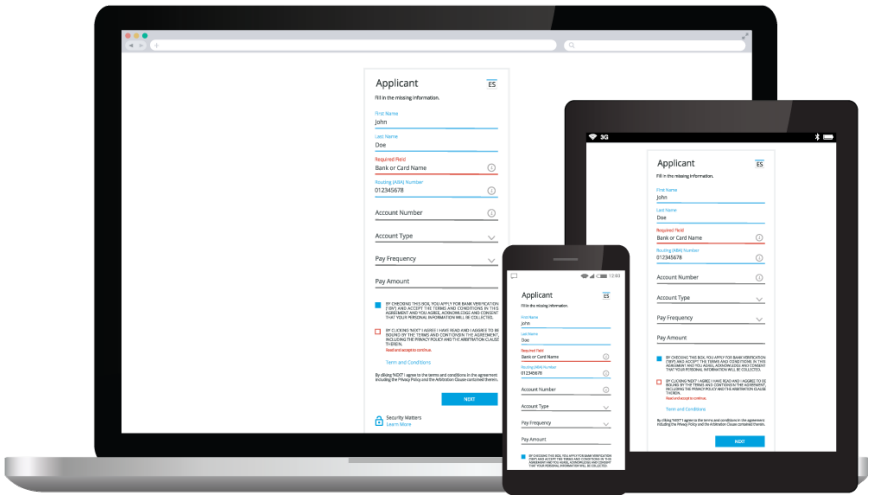
## Access to IBV is as Easy as Going Online

Our web portal can be added right into your existing website and your customers can be notified by email, SMS/text messaging or given a direct URL. IBV can even be made available on devices like smartphones and tablets for use on-site.



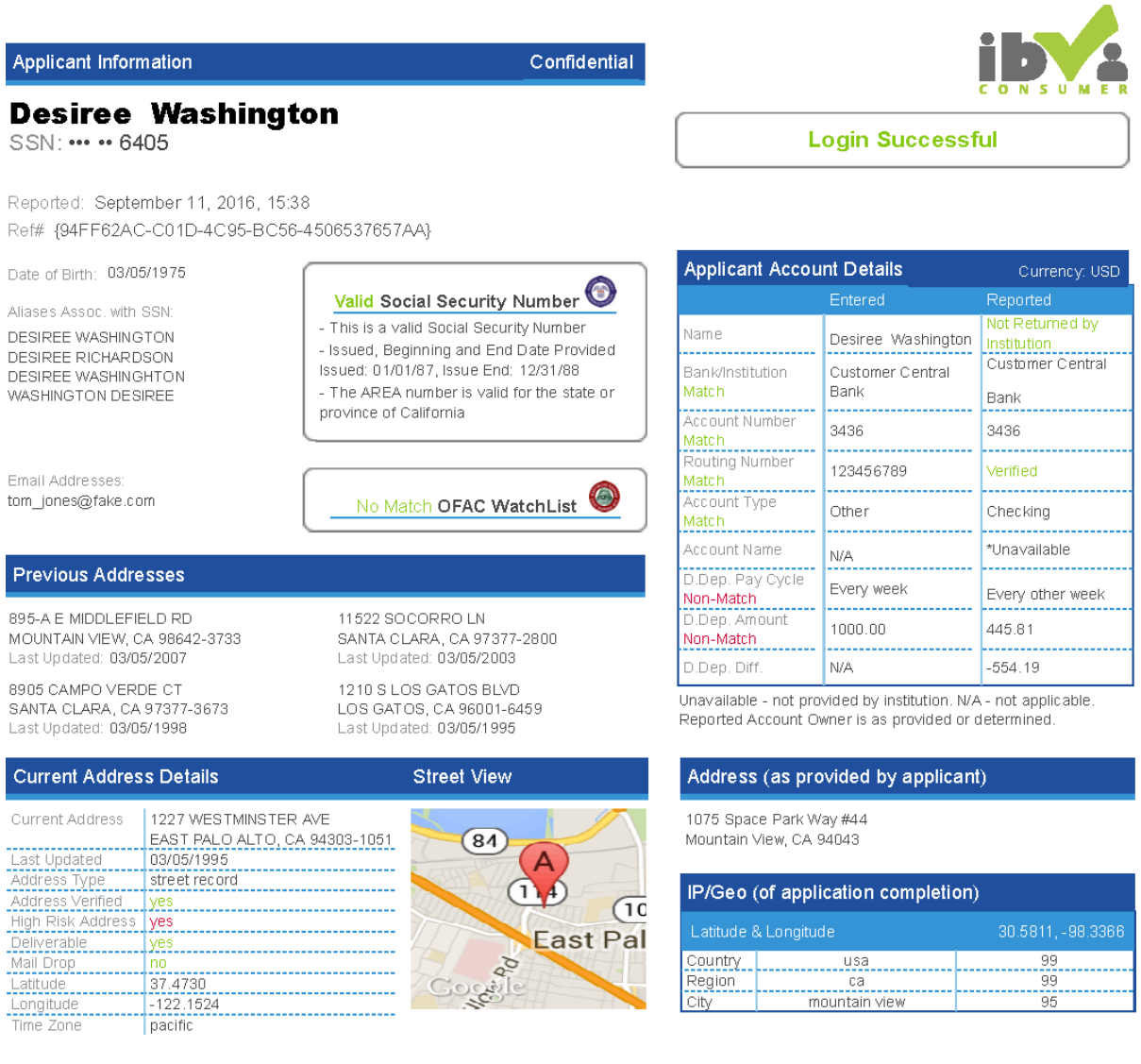

## The more you use, the more you save

**We grow as your company grows.**

IBV offers a tiered-pricing system ideally suited for both consumer and business- to-business lending.
This pricing structure reduces your per transaction cost the more you use IBV.
That means IBV delivers cost benefits as your business grows.

# IBV Report

- Report and data immediately available
- Verify salary cycle and amount
- Additional tools to verify identity



**Applicant Information** — Confidential

**Desiree Washington**
SSN: ••• •• 6405

Reported: September 11, 2016, 15:38
Ref# {94FF62AC-C01D-4C95-BC56-4506537657AA}

Date of Birth: 03/05/1975

Aliases Assoc. with SSN:
DESIREE WASHINGTON
DESIREE RICHARDSON
DESIREE WASHINGHTON
WASHINGTON DESIREE

**Valid Social Security Number**
- This is a valid Social Security Number
- Issued, Beginning and End Date Provided
Issued: 01/01/87, Issue End: 12/31/88
- The AREA number is valid for the state or province of California

Email Addresses:
tom_jones@fake.com

No Match **OFAC WatchList**

**Previous Addresses**

895-A E MIDDLEFIELD RD
MOUNTAIN VIEW, CA 98642-3733
Last Updated: 03/05/2007

11522 SOCORRO LN
SANTA CLARA, CA 97377-2800
Last Updated: 03/05/2003

8905 CAMPO VERDE CT
SANTA CLARA, CA 97377-3673
Last Updated: 03/05/1998

1210 S LOS GATOS BLVD
LOS GATOS, CA 96001-6459
Last Updated: 03/05/1995

**Current Address Details** — Street View

| | |
|---|---|
| Current Address | 1227 WESTMINSTER AVE<br>EAST PALO ALTO, CA 94303-1051 |
| Last Updated | 03/05/1995 |
| Address Type | street record |
| Address Verified | yes |
| High Risk Address | yes |
| Deliverable | yes |
| Mail Drop | no |
| Latitude | 37.4730 |
| Longitude | -122.1524 |
| Time Zone | pacific |



ibv CONSUMER

**Login Successful**

**Applicant Account Details** — Currency: USD

| | Entered | Reported |
|---|---|---|
| Name | Desiree Washington | Not Returned by Institution |
| Bank/Institution Match | Customer Central Bank | Customer Central Bank |
| Account Number Match | 3436 | 3436 |
| Routing Number Match | 123456789 | Verified |
| Account Type Match | Other | Checking |
| Account Name | N/A | *Unavailable |
| D.Dep. Pay Cycle Non-Match | Every week | Every other week |
| D.Dep. Amount Non-Match | 1000.00 | 445.81 |
| D.Dep. Diff. | N/A | -554.19 |

Unavailable - not provided by institution. N/A - not applicable.
Reported Account Owner is as provided or determined.

**Address (as provided by applicant)**

1075 Space Park Way #44
Mountain View, CA 94043

**IP/Geo (of application completion)**

| Latitude & Longitude | | 30.5811, -98.3366 |
|---|---|---|
| Country | usa | 99 |
| Region | ca | 99 |
| City | mountain view | 95 |

t.com

# IBV Report

- Account summary
- All accounts displayed
- Recent deposits

| Phone Numbers | | |
|---|---|---|
| Home | Cell/Mobile | Work |
| 6506304505 (Potentially disconnected) | 6503142896 | 6503252336 |

| Report Summary | Customer Central Bank Account # 3436 | | |
|---|---|---|---|
| Days Reported | 88 | ACH In (Based on Routing Number Entered) | Yes |
| Current Balance | 8.38 | ACH Out (Based on Routing Number Entered) | Yes |
| Available Balance | 8.38 | Most Recent Direct Deposit (Income) | 11/31/2014 |
| Negative Occurrences | 0 | Household Gross Income | 11876.38 |
| NSF Count | 0 | (Estimated from DD, grossed up, includes tax tables) | |

Note: Pending transactions may not be presented by financial institution and may affect the calculations.
This report contains highly confidential private consumer and financial information and should be kept at the highest level of security.

| Acct. # | Name | Type | Balance | Acct. # | Name | Type | Balance |
|---|---|---|---|---|---|---|---|
| 007777 | My Visa | Credit_Card | -301.41 | 001111 | My Checking | Checking | 301.41 |
| 004444 | My Roth IRA | Credit_Card | -301.41 | 002222 | My Savings | Savings | 301.41 |
| 005555 | My CD | CD | 301.41 | 000001 | My Retirement | Retirement | 301.41 |
| 007777 | My Auto Loan sarah | Loan | -301.41 | 007778 | My Visa | Loans | 301.41 |
| 000000 | My Brokerage | Taxable_Invest | 301.41 | 007779 | My Visa | Taxes | 301.41 |

| Ten most recent deposits | | | |
|---|---|---|---|
| Date | Description | Category | Credit Amount |
| 9/07/2016 | ATM Deposit | Misc. Income | 60.00 |
| 9/06/2016 | ATM Deposit | Misc. Income | 100.00 |
| 9/05/2016 | ATM Deposit | Misc. Income | 175.00 |
| 9/04/2016 | ATM Deposit | Misc. Income | 100.00 |
| 8/31/2016 | PRECISION FRAMING | | 423.34 |
| 8/30/2016 | ATM Deposit | Misc. Income | 345.00 |
| 8/29/2016 | ATM Deposit | Misc. Income | 175.00 |
| 8/23/2016 | ATM Deposit | Misc. Income | 245.00 |
| 8/21/2016 | ATM Deposit | Misc. Income | 100.00 |
| 8/16/2016 | ATM Deposit | Misc. Income | 300.00 |

# IBV Report

- Granular details for the best and quickest analysis possible

## Deposit / Credit Activity

| Deposits | |
|---|---|
| Total # of Deposits | 37 |
| Total Amount of Deposits | 8088.14 |

| 3 Largest Deposits | | |
|---|---|---|
| #1 514.23 | #2 494.26 | #3 467.20 |

| Range (in days): | Last 14 | Last 30 | Last 60 | Last 90 |
|---|---|---|---|---|
| Total Deposits | 1378.34 | 2662.59 | 4989.35 | 8088.14 |
| Average Deposit Amount | 196.91 | 204.81 | 207.89 | 218.60 |
| Amount Deposited as Cash | 955.00 | 1725.00 | 3557.50 | 5402.50 |

| | Over $100 | Over $500 | Over $1,000 |
|---|---|---|---|
| Number of Deposits | 26 | 1 | 0 |

## Withdrawal Activity

| Withdrawals | |
|---|---|
| Total # of Withdrawals | 246 |
| Total Amount of Withdrawals | 8131.23 |

| 3 Largest Withdrawals | | |
|---|---|---|
| #1 640.00 | #2 620.00 | #3 620.00 |

| Range (in days): | Last 14 | Last 30 | Last 60 | Last 90 |
|---|---|---|---|---|
| Total Withdrawals | 1447.47 | 2781.03 | 5541.52 | 8114.23 |
| Average Withdrawal Amount | 48.25 | 32.72 | 33.38 | 33.12 |
| Amount Withdrawn as Cash | 640.00 | 660.00 | 660.00 | 710.00 |

| | Over $100 | Over $500 | Over $1,000 |
|---|---|---|---|
| Number of Withdrawals | 11 | 3 | 0 |

## Balance Details

| | |
|---|---|
| Average Balance | 365.89 |
| Highest amount 3 consecutive days: | 93.71 |

| Highest Balance - Week and Day | |
|---|---|
| Hi Week*: 31 | Hi Day: 11/03 |

| Lowest Balance - Week and Day | |
|---|---|
| Lo Week*: 37 | Lo Day: 12/10 |

| Range (in days): | Last 14 | Last 30 | Last 60 | Last 90 |
|---|---|---|---|---|
| Average Balance | 256.03 | 286.07 | 356.16 | 367.06 |
| NSF Count | 14 | 30 | 60 | 90 |

| Low Balance Trends | Below $0 | Below $50 | Below $150 |
|---|---|---|---|
| Last 30 Days | 0 | 4 | 28 |
| Last 60 Days | 0 | 4 | 45 |
| Last 90 Days | 0 | 4 | 52 |

| Deposit Spending Trends | 50% | 75% | 95% |
|---|---|---|---|
| Average Days | N/A | N/A | N/A |

* Calendar Week (1-52) of Balance

Average number of days for balance to reach indicated negative percentage of most recent deposit

# IBV Report

- Descriptions directly from the financial institution
- Up to 12 months of transactional data

| Transactions | Customer Central Bank / Account #: 3436 | | | | |
|---|---|---|---|---|---|
| **Date** | **Description** | **Category** | **Debit** | **Credit** | **Balance** |
| 09/07/2016 | CHECKCARD 0907 PARTY CITY #233 MOUNTAIN VIEW CA 24733092252207736900033 | Entertainment | -7.48 | | 8.38 |
| 09/07/2016 | CHECKCARD 0907 TOTAL WINE AND MORE 701 MOUNTAIN VIEW CA 24755422251162517808884 | Entertainment | -10.69 | | 15.86 |
| 09/07/2016 | PUBLIX SUPER M 09/10 #000624385 PURCHASE 150 HARBISON BLVD MOUNTAIN VIEW CA | Groceries | -21.85 | | 26.55 |
| 09/07/2016 | CHECKCARD 0907 BRITISH BULLDOG MOUNTAIN VIEW CA 24013392251000373356882 | | -22.07 | | 48.40 |
| 09/07/2016 | Wal-Mart Super 09/09 #000479573 PURCHASE 1164 WAL-SAMS MOUNTAIN VIEW CA | Household | -23.24 | | 70.47 |
| 09/07/2016 | CHECKCARD 0905 BONEFISH 0505 MOUNTAIN VIEW CA 24692162250000749918858 | Dining | -10.41 | | 93.71 |
| 09/07/2016 | CHECKCARD 0906 BONEFISH 0505 MOUNTAIN VIEW CA 24692162250000749919211 | Dining | -18.15 | | 104.12 |
| 09/07/2016 | TOTAL WINE AND 09/07 #000938160 PURCHASE TOTAL WINE AND MO MOUNTAIN VIEW CA | | -18.96 | | 122.27 |

| Income Summary | |
|---|---|
| **Description** | **Value** |
| Income | 2417.95 |
| Transfer | 46.00 |
| **Total Income** | **2463.95** |

| Withdrawal Summary | |
|---|---|
| **Description** | **Value** |
| Uncategorized | -1379.22 |
| Cash & ATM | -200 |
| Fees & Charges | -123 |
| ATM Fee | -19.70 |
| Bank Fee | -219 |
| Gas & Fuel | -94.58 |
| Kids | -1 |
| Personal Care | -67.01 |
| Business Services | -15.95 |
| Groceries | -11.87 |
| Sporting Goods | -108.11 |
| Pharmacy | -55.77 |
| Mobile Phone | -101.79 |
| Check | -54.95 |
| **Total Withdrawal** | **-2451.95** |

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# IBV Advantages

## Better data

Direct access to the account data.
A true, real-time picture of the applicant.
Reduces fraud and need for paper statements.

## Unmatched speed & access

Immediate access to data.
Application and data is available 24x7. Dedicated Customer Service

## Cost savings

A fraction of the cost of current decision making. Billed on usage (hits only), no implementation fee.
Volume based savings available.

## Superior coverage

20,000 financial institutions including global institutions and regional banks.

# Contact

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# RVD Plus+ and RVD Advantage

Speaker: Sheri Reynolds

microbilt

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## Risk Verify Database

RVD is a shared database owned and managed by MicroBilt. It collects account transactional, status, and ownership history. The database is dynamically updated in real-time, all day every day.

Includes information from:

- financial institutions
- ACH processors
- store front retail and online retail
- alternative lenders
- bill payment
- collection companies
- utility companies

We know your customers

OVER
1,712,536,358
RECORDS

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## Risk Verify Database

All RVD transactions return a decision code and detailed information on the account including:

- Transaction history – number and dollar amount of past good and returned transactions
- Average number of days it takes for an NSF item to be paid
- The first date the RVD database saw history on the account
- The last date the RVD database saw a transaction on the account
- Up to two first and last names associated with the account when resident in RVD
- Up to two telephone numbers associated with the account when resident in RVD
- Optional OFAC checking

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## RVD Advantage

Starts with the Risk Verify Database and returns all RVD account information.

Verifies the bank routing number is valid and active in the US.

Utilizes sophisticated algorithms and proprietary processes to ensure the structure of the account presented conforms with the known structure(s) utilized by the bank issuing the account.

Alerts you if the account has been reported as closed or if there are current outstanding unpaid items.

Allows velocity and individual risk settings for every customer.

Returns a decision code of accept, decline or warning.

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## RVD Advantage – Who Uses It?

**#1** Customers with an overall return rate of under 7% and all customers that accept payment information over the telephone or over the Web.

- ✓ Online payments
- ✓ Payments over the telephone
- ✓ Payments entered by computer or cell phone

Reduces overall returns by alerting you if the account has a negative balance due to unpaid returns.

Significantly reduces intentional and fat finger fraud that occurs when the bank information is being entered by the consumer.

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## RVD Advantage – Who Uses It?

**#2** Perfect for re-scrub BEFORE checking more expensive databases.

RVD Advantage costs pennies per transaction.

Adding RVD Advantage at the beginning of your risk waterfall will identify accounts that have a very low probability of returning and those that have a very high probability of returning BEFORE you process the transaction with a higher costs per transaction alternative.

Reduce operational costs with accurate decisioning.

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## RVD Plus+

In addition to providing account history in the risk verify database, RVD Plus+ looks into multiple financial and retail databases.

Verifies the bank routing number is valid and active in the US.

Utilizes sophisticated algorithms and proprietary processes to ensure the structure of the account presented conforms to the known structure(s) utilized by the bank issuing the account.

Alerts you if the account has been reported as closed or if there are current outstanding unpaid items.

Allows velocity and individual risk settings for every customer.

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## RVD Plus+

Returns a Decision Code number that allows our customers to determine the level of risk they wish to accept.

- Recognizes and separates out “fatal” history on the account such as account closed, no account found, and  invalid account
- Alerts customers when a high number of unauthorized returns have been seen on the account
- Alerts our customers if there are current unpaid returns on the account for any reason

Details the level of good history - minimal, limited or extended.

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## RVD Plus+ Return Reasons Matter

The most effective way to limited returns to an account and adhere to the NACHA thresholds required to continue processing electronic payments.

### 0.5% Unauthorized Return Codes

R05 – reserved
R07 – authorization revoked
R10 – not authorized
R29 – corporate customer, not authorized
R51 – item is ineligible (RCK)

### 3.0% Account Data Quality Codes

R02 – account closed
R03 – No account found/unable to locate
R04 – invalid account number

### Overall return rate of 15% or less

Preserve bank relationships.

Limit bank charges.

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## RVD Plus – Who Uses It?

Designed specifically to reduce ACH or e-Check returns and is recommended to our customers that have a higher rate of returns – over 7%, and customers that process payments in high risk industries such as alternative lending, auto lending, rent to own, and buy here pay here.

- ✓ Each customer manages the level of risk they wish to accept by determining which code numbers to accept or decline
- ✓ Our customers can accept payments with NSF returns and reject payments with “fatal” activity on the account such as account closed, account not found or invalid account
- ✓ Provides a look into account history in RVD and additional bank, ACH and retail databases
- ✓ Customers are provided with accurate and detailed information allowing them to manage their specific risk thresholds

Immediately reduces overall returns with a focus on uncollectable returns.

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# RVD Matrix

| Features | RVD Advantage | RVD Plus+ |
|---|---|---|
| Validates bank routing number | ✓ | ✓ |
| If Driver's License is provided, validates the DL number follows the structure required by issuing state | ✓ | ✓ |
| Checks database for returned and good history on account | ✓ | ✓ |
| Returns know history, name, telephone information | ✓ | ✓ |
| Custom velocity setting for new customers, known customers, and frequently seen customers | ✓ | ✓ |
| Provides Decision Code on all transactions | ✓ | ✓ |
| Provides optional OFAC checking | ✓ | ✓ |
| Validates the structure of the account is correct for the issuing bank | ✓ | ✓ |
| Provides Risk Level code on all transactions | | ✓ |
| Accesses additional financial an retail database | | ✓ |

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## Easy To Use

### Verification only, and easy to integrate

Many similar products are pieces of a larger, costlier platform that requires their customers to process the entire transaction, including the movement of money through them. Not RVD, as a verification-only product, RVD verifies the transaction and allows our customers to retain their current banking relationship.

### Available through API, batch, or web

We've made RVD available to merchants and processors in three convenient options. API for software integration, batch processing for users that upload entire batches, and a Web Portal for individual transactions.

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# Manual Bank Verification (MBV)

Speaker: Sheri Reynolds

microbilt

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# MBV Options

| MBV Basic | MBV Premium |
|---|---|
| Validates an account is open and active with a positive balance. | Validates an account is open and active with a positive balance. |
| Confirms the type of account – checking, savings, money market etc. | Confirms the type of account – checking, savings, money market etc. |
| Validates a specific debit amount will clear the account when possible. | Verifies the account is eligible for ACH debits. |
| Batch processing or API interface. | Provides the date the account was opened. |
| Does not require consumer authorization or participation with the bank. | Confirms if the account is a joint account and if there are linked accounts at the financial institution. |
| | Requires three-way call with consumer, financial institution, and MicroBilt. |

## How Does MBV Work?

Records can be processed via batch or API at MicroBilt.

MicroBilt combines proprietary bank networks, electronic inquires, and manual calls to the financial institutions to provide the highest success rate available to verify funds in a real-time environment.

Includes large financial institutions, small banks, and credit unions.

Two levels of verification to match your requirements.

Results provided as they are completed, no waiting for the entire batch to finish before you know the results.

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## Why Use Manual Bank Verification?

Improve ACH success rates.

Reduce overall returns and comply with NACHA's thresholds for fatal returns.

Real-time account validation and balance information.

Evaluate ability to pay before issuing loans.

Eliminate administrative, account not found, account closed returns.

Dramatically reduces overdraft fees for you and your customers.

Unlimited validation attempts without harming the consumer.

# Contact


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