Enabling Enterprise Quality Control

Cogent QC Systems

For mortgages, consumer loans, auto loans and more!

ProductionQC System

- Complete solution for QC of loan originations
- Pre-funding meet new agency pre-funding audit requirements
- Post-funding complete re-underwriting, including reverifications
- EPD to audit early payment defaults
- Compliance, Fraud, Appraisal and Repurchase audit shells available

ServicingQC System

- Complete solution for QC of all servicing processes
- Meet or exceed agency and regulatory requirements
- Automatic rules-based identification of audit populations
- Up to 50 audit shells standard; unlimited audits possible



Cogent – Company Background

- Founded in 1991, the mortgage industry's leading provider of enterprise quality control software solutions
- Winner of 5 Mortgage Technology Awards:
 - **✓ 2011:** *Lasting Impact Award*
 - ✓ 2009: Lasting Impact Award Runner Up
 - **✓** 2006: *Top 25 Vendors*
 - **✓ 2005:** *Top 100 Vendors*
 - ✓ 2003: "Fix-It" Award
- Cogent provides clients with a complete QC solution for loan originations and loan servicing



Cogent's Complete QC Solution

- State of the Art .NET Technology
 - Unparalleled functionality and flexibility
 - Easy to use sampling / auditing / reporting tools
 - Continuous improvement / free upgrades
- Expert Professional / Technical Support
 - Initial Audit Shell design and system setup
 - Free Help line for all System users
 - Ongoing customization available for all clients
- Client Education, Training, Community
 - On-site and online training
 - Regular live and recorded webinars
 - Cogent blog
- > Industry Leadership
 - QA Principles Workshop
 - MBA QA Committee



Cogent Clients

The Industry's Quality Leaders

More than 100 companies have implemented Cogent QC solutions.

Representative clients include:

US Bank *

PNC Bank *

Ally Bank *

Capital One Bank *

GreenTree Financial *

Nationstar Mortgage *

Ocwen Financial *

Webster Bank

Union Bank

BMO Harris Bank

Fremont Bank

SunTrust Bank

TD Bank

Arvest Mortgage

Ditech Mortgage

Prospect Mortgage

DHI Mortgage

Urban Financial of America

Homeward Residential

National Mortgage Insurance



^{* (}Both ProductionQC and ServicingQC Systems)

Automate the Complete QC Workflow

• Data Management

 Data access (up to 500 fields) via Import File or ETL / population eligibility rules / data export in multiple formats

Sampling

 Automatic sample size calculation and selection: statistical, stratified, targeted, manual

Auditing / Reverifications

- Records audit findings, comments, notes, ratings, referrals
- Sends & tracks letters: order, re-verify, re-disclose
- Enables loan assignments, audit tracking, audit sharing

Feedback / Reporting

 Web-based Feedback Portal, Audit Status Reports, Audit Findings Reports, Management Reports, Custom Report Writer

Administrator Tools

 Customizable user access & user interface, lookup tables, audit question management, chat, message ... and more!

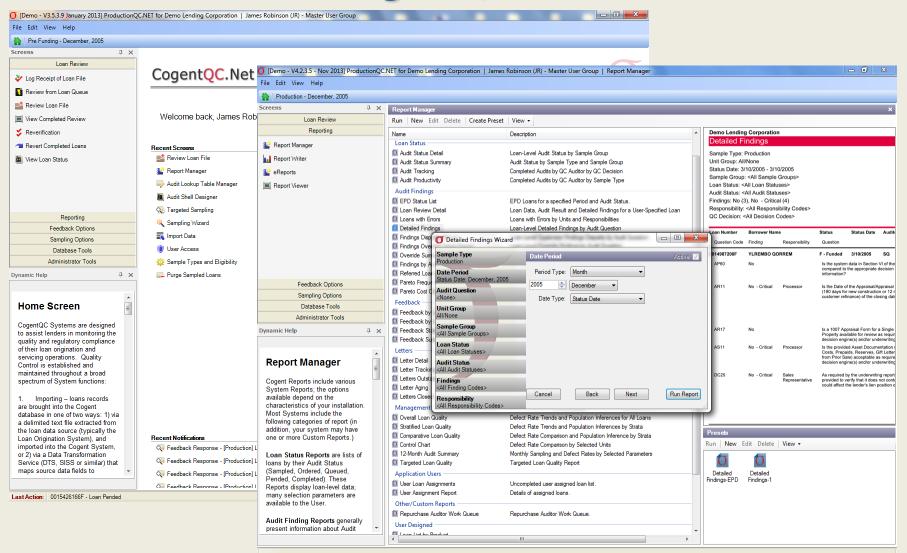


CogentQC.Net ... What's New!

- SQL Database with flexible options to import data or transfer from data source (LOS, data warehouse, ODBC database)
- Sampling Wizard to simplify complex sampling strategies
- Reports Wizard with expanded parameters, dynamic preview, reports and data exports in multiple formats
- **Web-based Feedback Portal** to record audit feedback, responses and corrective actions, multiple iterations
- **Enhanced Audit Shell Design** enables more features, presents more information, expands user customization
- Streamlined User Interface:
 - ✓ Fewer clicks & intervening screens
 - ✓ Single screen parameter selections
- Expanded Help with index and search capabilities



CogentQC.Net





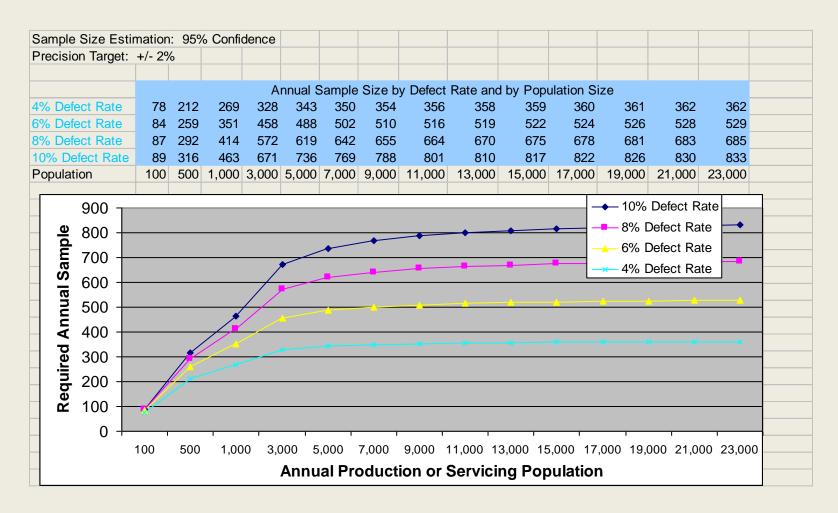
Cogent Sampling

- "Statistical" random samples: 2% precision / 95% confidence
 - Report on quality trends and comparisons for each review type
- "Stratified" random samples (optional): from selected strata
 - Report on quality trends and comparisons by strata
- "*Targeted*" samples: user-defined queries, using any data fields
 - Report on the quality of any targeted unit, segment, individual
- "Manual" samples: selected by loan number, borrower, etc.
 - Report on the quality of individual loans



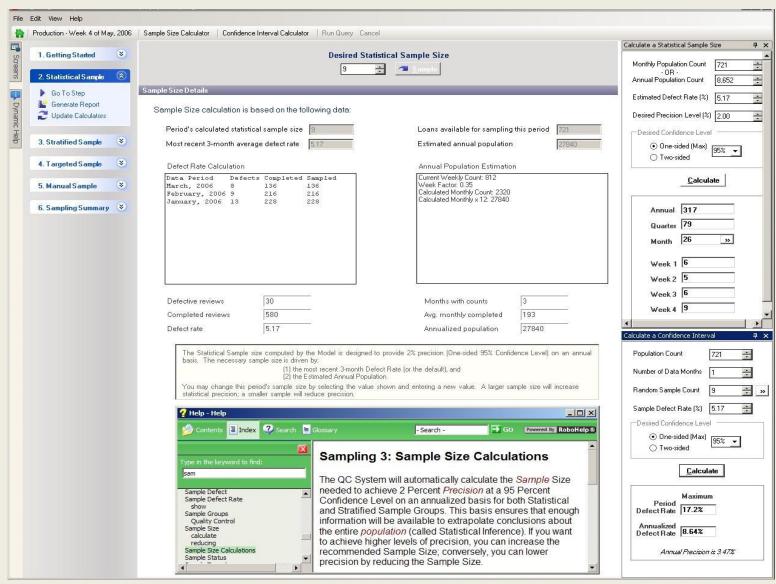
Statistical Sample Size

by Population and Defect Rate



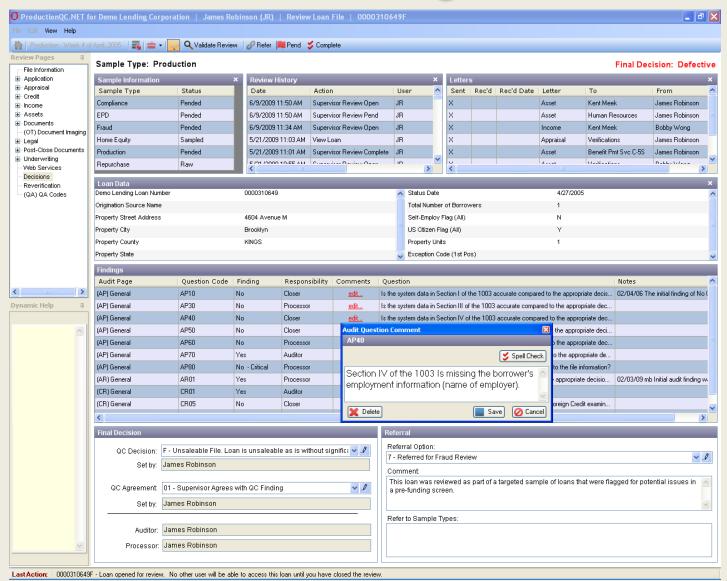


Sampling Wizard



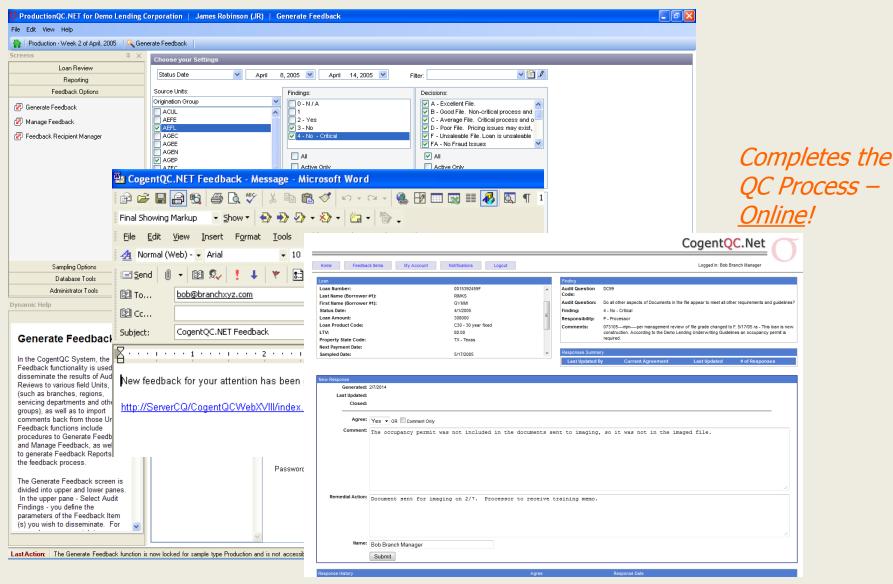


Audit Shells: Recording Audit Results





Feedback and Response Functionality





Detailed Findings Reports

Demo Lending Corporation Loan Review Detail

Loan Description

Loan Number: 0000310649F Final Decision: DEFECTIVE

YAJYMY TYPYLHUM Primary Borrower:

Status Date: 04/27/2005

Overall Audit Result

Auditor ID/Name: JR - James Robinson Final Decision:

QC Decision: F - Unsaleable File. Loan is unsaleable as is without

QC Agreement: 01 - Supervisor Agrees with QC Finding

Referral Decision: 7 - Referred for Fraud Review

Referral Comment: This loan was reviewed as part of a targeted sample

issues in a pre-funding screen.

(F) Funded

Audit Start: 6/9/2008 1:09:04 PM Audit End: 6/9/2009 12:35:13 PM

Elapsed Time:

File Information

CCR - Fulfillment Cd: FORD A CCR-Sales: COFIELD R Closer Code: WILLIAMS1S D.U. Score: EA-I/INELIGIBLE 04/22/2005 1:28PM

L.P. Score:

LP Date & Time Stamp: Demo Lending Date & Time Stamp:

Du Date & Time Stamp:

Demo Lending Decision:

Demo Lending Loan Number: 0000310649 GREENPOINT

Origination Source Nm:

SB Date & Time Stamp:

Status Cd:

Findings

S.B. Score:

Question Finding Responsibility AP10

Question Text / Comme Is the system data in Se compared to the approp

The primary borrower last name does not match. The first two letters of last name are omitted on LP.

Printed: June 9, 2009, 12:39 pm Loan Review Detail Page 1 of 2 A complete record of all findings, comments and responses...

Demo Lending Corporation

Detailed Findings

Sample Type: Production Status Date: Week 4, April, 2005

Unit Group: All/None Sample Group: <All Sample Groups>

Loan Status: < All Loan Statuses> Audit Status: < All Audit Statuses> Findings: No (3), No - Critical (4) Responsibility: <All Responsibility Codes>

QC Decision: <All Decision Codes>

Printed: June 9, 2009, 12:48 pm

Loan Number	Borrower Name		Status	Status Date	Auditor	Final Decision	QC Decision	
Question Code	Finding	Responsibility	Question				Comment	
0000310649F	YAJYMY TYP	YLHUM	F - Funded	4/27/2005	JR	Defective	F - Unsaleable File. Loan is unsaleable as is without significant price adjustments.	
AP10	No	Closer		m data in Section priate decision er		3 accurate compared	The primary borrower last name does not match. The first two letters of last name are omitted on LP.	
AP30	No	Processor		m data in Section o the appropriate ?			The primary borrower's SS# was different on the 1003 than the number entered into LP. The SS# on the 1003 matches the # on the credit repo	
AP40	No	Closer		m data in Section o the appropriate ?			Section IV of the 1003 Is missing the borrower's employment informatio (name of employer).	
AP50	No	Closer				03 accurate compared for file information?	Section V data in the system is incorrect.	
AP60	No	Processor		m data in Section the appropriate ?			Section VI of the 1003 was blank.	
AP80	No - Critical	Processor		m data in Section o the file informati		003 accurate	Section VIII did not list all required data, and resulted in an inaccurate decision.	
CR05	No	Closer	and/or Fore Advisor in a	ded documentation ign Credit examin accordance with the prwriting guideline	ed and appr e appropriat		There is no evidence of approval by a Risk Advisor.	
CR07	No - Critical	Closer		on the provided C r new construction		within 120 days (or sing date?	The credit report in the file was more than 120 days old.	

Detailed Findings of 24



Management Reports

Statistical Quality Trends and Comparisons

Demo Lending Corporation

Overall Loan Quality

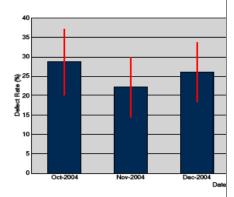
Sample Type: Production Status Date: March, 2005

Monthly Sample & Population Defect Rates

		Total Production	Sampled and Completed	Sa
ı	Current Period	1794	60	
	Last Six Months	8308	583	
ı	Six Month Precision	2.9%		

Six Month Trend Analysis

Printed: April 8, 2010, 4:35 pm



Month	Oct-2004	Nov-2004
Sample Defect Rate	28.7%	22.1%
Maximum Defect Rate (95%)	37.2%	29.8%
Minimum Defect Rate (95%)	20.2%	14.4%
Total Population	1273	1483
Sample Size	101	104
Sample Defects	20	23

Demo Lending Corporation

Control Chart

Sample Type: Production

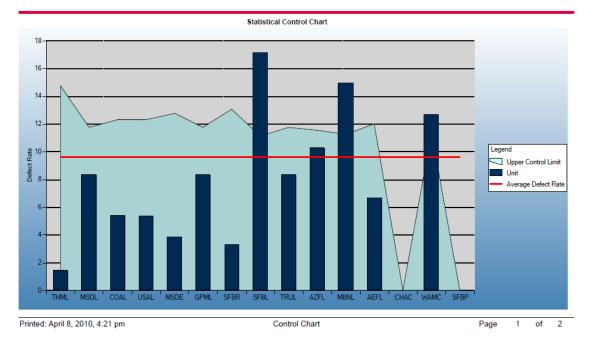
Status Date: 2005

Unit Group: Origination Group Standard Deviation: 2

Inclusion Threshold: 10

Sample Group: <All Sample Groups>

Loan Status: <All Loan Statuses>



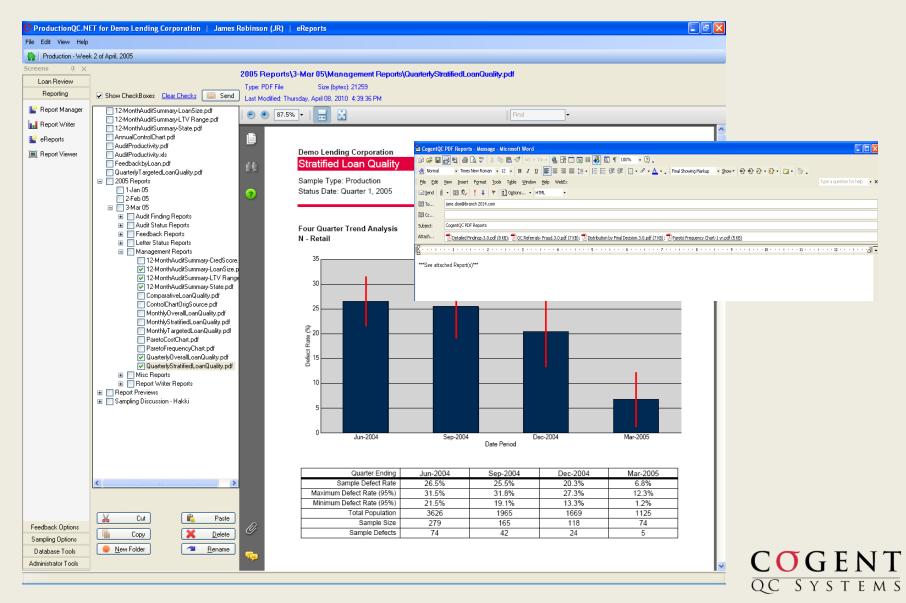
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Overall Loan Quality

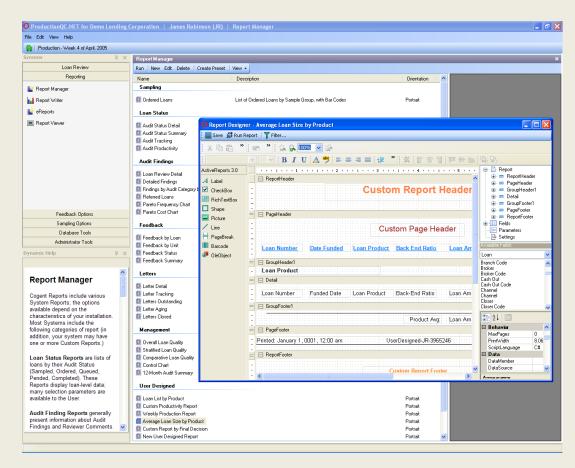


E-Reports

Paperless Report Storage and Delivery



Optional Modules



- Data Exchange
 - Appraisal Orders
 - Credit Reports
 - Compliance Checks
 - Fraud Checks
- Specialized Worksheets
 - HUD1
 - Appraisal Review
 - Debt Ratio Calculator
- Custom Functionality
 - By Client request



Software and Hardware Specs

Software

- Windows 2000 (or later) operating system (with .NET Framework, Version 2.0 or later installed)
 - The System is installed on a Windows 2000 (or later) server, and accessed via other W2K (or later) desktops.
 - If the System is to be used over a wide area network, Citrix server is recommended.
- Microsoft SQL Server 2010, 2008, 2005, 2000
- Microsoft IIS Ver. 6.x for hosting online feedback functions (optional)
- Microsoft Outlook for automated emailing of reports (optional)

Hardware

Minimum Server Requirements:*

- Pentium IV class or better PC with at least 1 GHz processor
- > 1 GB RAM
- 10 GB of available hard disk space
- * 3 core System components (application, database, web service) can be deployed across one or more servers

Minimum Workstation Requirements:

- Pentium IV class or better PC with at least 500 MHz processor
- > 512 MB RAM
- > 1 GB of available hard disk space
- > Super VGA (1024 x 768) or higher screen resolution
- Barcode scanner (optional)



Recap - Key Benefits

- Data management, sampling, auditing, feedback, reporting, configuration and content of audit shells, administrator tools
- Expert Professional & Technical Support
 Initial design & setup, free help desk, monthly webinars, custom programming, continuous improvement, free upgrades
- Improves Productivity of all QC staff
 Translates into lower staffing costs and better coverage of risks
- More Effective Quality Control
 Minimizes random sampling, maximizes targeting, accelerates feedback and response cycle, concise and actionable reports

