



Product Feature Summary

Blackboard Transaction System –Release 3.7.0.0

Introduction	1
What is in the Product Feature Summary?	1
Implementation Impact and Actions.....	1
Production System Impact	1
Implementation Actions	1
New Features and Enhancements	2
Multiple Board Plan Assignments.....	2
POS Client 1.0 Support	2
Enhancements to Blackboard Transact 3.6.....	2
Menu Copy	2
Customer Event Import	2
Board Plan Activation	2
Transact System Register.....	3
Database changes in 3.7.....	3
Resolved Issues	5
Compatible Software Products	8

WORLD HEADQUARTERS	PHOENIX OFFICES
Blackboard Inc.	Blackboard Inc.
650 Massachusetts Ave N.W., 6th Floor Washington, DC 20001-3796 USA	22601 N 19 th Ave, Suite 130 Phoenix, AZ, 85027 USA
800-424-9299 toll free US & Canada	800-528-0465
+1-202-463-4860 telephone	+1-623-476-1400 telephone
+1-202-463-4863 facsimile	+1-623-476-1401 facsimile
www.blackboard.com	www.blackboard.com

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Introduction

What is in the Product Feature Summary?

This document contains the following sections:

- Implementation Impact and Actions-Describes expected impact on current production systems and actions necessary to initiate the implementation of these features.
- New Features and Enhancements – Describes new features in this release, as well as, additional important enhancements that have been made to the system.
- Resolved Issues – Defines a Resolved Issue and explains the problem, solution, and affected version.
- Compatibility Matrices – Includes information on the upgrade path and which Blackboard Software are supported with this release.
- Appendices-Contains supplemental information for clients relevant to the Product Feature Summary

Implementation Impact and Actions

Production System Impact

The amount of impact for a system upgrade from version 3.X to 3.7 depends on the version that you are upgrading from. Contact your client manager to schedule a pre-installation call with a client support representative to learn more.

Implementation Actions

To take advantage of the features and fixes provided in 3.7 contact your client manager to schedule a pre-installation call with a client support representative or consulting.

New Features and Enhancements

Multiple Board Plan Assignments

Allows administrators more flexibility in meal plan control

- Permits unlimited meal plan assignments per student
- Permits expansion of board plans for custom usage

POS Client 1.0 Support

Transact Release 3.7 is a prerequisite for the POS Client 1.0 usage on the MF4100 contactless device, as POS Client 1.0 must be downloaded from Release 3.7. Clients using the MF4100 will now be able to use the device for event transactions, in addition to laundry and copy functions, which does the following:

- Allows administrators to upgrade from the AT3000 to the MF4100 with no loss to retail, event and board transaction functionality
- Because the MF4100 contactless device can be used for POS, laundry and copy functions, Blackboard Transact users can standardize on the single unit, limiting spare inventory and maintenance costs .

Contains the Client Card Utility.

- Provides ID card troubleshooting by reading and displaying mag stripe track data and FeliCa™ card number
- Encodes a card number to the FeliCa card chip

Permits data to be sent from the MF4100 reader to another device, such as an authorization reader, through a serial connection.

Enhancements to Blackboard Transact 3.6

Menu Copy

Simplifies the administrator's workload when creating or updating a menu used by multiple profit centers.

- Provides the ability for an administrator to copy an existing menu configuration from one profit center to another profit center without laborious manual data entry

Customer Event Import

Provides mass Event import capability to customer accounts to either add or remove Events.

- The Customer Import Tool will quickly add or remove new Events to customer accounts
- The Customer Modify Tool will easily add or remove Events to groups of customer accounts using custom filters
- Eliminates the tedious task of manual customer Event Plan modifications

Board Plan Activation

Permits customization of activation dates and times to customer Board Plans that will override global settings.

Transact System Register

In the case of a lost network connection, the register will automatically reconnect to the network when the network is available without the need for manual intervention or interruption to the register operator's normal workflow.

- Automatically uploads offline transactions when the register is back online
- Eliminates need for special cashier training to handle offline transaction uploads

Database changes in 3.7

The following changes have been made to the database from TS 3.6 Patch 7

ENVISION SCHEMA

DROPPED TABLE

transaction_journal

TABLES WITH ADDITIONAL COLUMNS

card - card_idm
groups - group_id
group_task_right - group_id
usergroupmembers - group_id
report_share_item - share_group_id
pos_option - receipt_group_product
pos_tt - card_utility_enabled
pos_tt_setup -
 data_output_send_on_approve
 data_output_send_on_deny
 data_output_data_to_send_type
 data_output_data_to_send_id
 data_output_send_data_offline
 data_output_serial_baud_type
 data_output_serial_baud_id
 data_output_serial_bits_type
 data_output_serial_bits_id
 data_output_serial_stop_type
 data_output_serial_stop_id
 data_output_serial_parity_type
 data_output_serial_parity_id
 data_output_prefix_type
 data_output_prefix_id
 data_output_suffix_type
 data_output_suffix_id
 data_output_padding_type
 data_output_padding_id
 data_output_pad_length
 data_output_pad_value

TABLES WITH ADDITIONAL COLUMNS (continued)

data_output_cust_def_fld_id
data_output_cust_def_grp_id
data_output_cdf_bool_true
data_output_cdf_bool_false
data_output_cdf_dol_prefix
data_output_cdf_dol_decimal
data_output_cdf_text_len
boardhistory -
 boardplan_id
 changetype
customerboard -
 activeto
 activefrom
 priority

TABLES WITH DROPPED COLUMNS

group_task_right - group_name
usergroupmembers - group_name
report_share_item - share_group_name

boardhistory -
 oldboardplan_id
 newboardplan_id
 weekallowed
 weekused
 monthallowed
 monthused
 semqtrallowed
 semqtrused
 yearallowed
 yearused
pos_tt -
 ttlevel
 host_comm_connection_type
 host_comm_dialup_baud;
 dialup_phonenum
 cardreader_type
 printer_type
 dialup_timeout
pos_cr -
 host_comm_connection_type
 host_comm_dialup_baud
 host_comm_serial_port
 dialup_phonenum_primary
 dialup_phonenum_secondary

B2M

TABLES WITH ADDITIONAL COLUMNS

idw_card - card_idm

Resolved Issues

The following issues have been resolved in TS 3.7

JIRA Reference Number	Description
TS-10970	VR4100/MF4100 loses static IP addressing after a software update
TS-10899	Kitchen printer will print Order Number of "0" when a kitchen item is printed on different printer is purchased 1st
TS-10763	MF4100 does not recognize card swipes or taps
TS-10759	MF4100 Service Interface spelling error
TS-10755	The cashier is not being restricted from manual entry of Campus Card numbers or Credit Card numbers after revoking the 'Keypad Entry' cashier privilege
TS-10743	The card mask is not appearing correctly when performing an offline transaction at a register
TS-10731	Board Plan Show Counts and Print Counts functions are not working at a register
TS-10714	Access Violation caused at a register when validation method is not assigned
TS-10692	Host Monitor displays wrong time for file download progress messages
TS-10680	Modifying the Door Override properties in the Customer Edit UI generates "list index out of bounds" error

TS-10670	An "Access Violation" error occurs after selecting "Set to Default" within Host Detail
TS-10664	Host Monitor Message Authentication misspelling
TS-10661	Race condition in remote printer operations causes communication errors
TS-10656	POS Register is rejecting a credit card as "invalid format"
TS-10597	Email address selection within Customer Detail should not show email types previously selected for customer
TS-10596	Incorrect tabbing order in customer email type
TS-10570	"Customer Door Access Plan Tool" adds deselected plans when used successively
TS-10555	Customer Detail UI does not display new default email address after deleting the previously active default address
TS-10543	Register scale stops communicating when weighing items totaling greater than 30 pounds
TS-10518	User is allowed to delete themselves within User Privileges UI
TS-10514	When supplying an invalid Module character to the DSAC it returns a valid transaction error code
TS-10466	Retail transaction receipt will print without posting the transaction
TS-10393	BbTSMmain crashes with no indication why after a generic error indicator
TS-10390	Unable to login with "superuser" when the users password is greater than 10 characters
TS-10385	POS Register surcharge and discount not rounding correctly

TS-10349	Offline POS register transactions are being lost when uploaded
TS-10303	VR4100 and MF4100 are not clearing format when card format changes from one with a field separator
TS-10187	Register transactions are not being uploaded to host
TS-9938	Register pole display screen saver not working
TS-9857	Removing "Allowed SV Account Type" within the Merchant does not check for existing enrichments
TS-9451	"Event Reverse" transactions are successfully processed for customer accounts not containing the Event
TS-8902	Items purchased at an NCR Register are grouped together on the printed receipt which makes the receipt illegible when multiple products are purchased

Compatible Software Products

Publisher	Product Family	Min Version	Max Version
Blackboard	eAccounts	1.0	1.0
Blackboard	Community System*	7.x	9.x
Blackboard	Data Integration for Windows (Building Blocks Manager)	3.7	3.7
Blackboard	Enviserv* - installed on TSAS	9.1	9.1
Blackboard	Enviserv* - installed on CS or standalone server	7.x	8.x
Blackboard	Video Surveillance**	4.1.5.30	4.2.0.16
Select Electronics	ROD Gold (Kitchen Display System for NCR)	4.09	4.09

* Integration between TS and Community System (CS) requires Enviserv. Enviserv and CS must have matching version numbers. Enviserv 9.1 is the minimum compatible version for Windows Server 2008. If Enviserv is installed on the TSAS server it must be version 9.1 or greater. Enviserv may be installed on a locally hosted CS server or another server running Windows Server 2003 SP2 x86 operating system.

** Blackboard Video Surveillance release 4.1.5.30 is the minimum version sold by Blackboard for integration to TS. It is also the most current version at the time of release for TS 3.6. Installations with a previous version of Video Surveillance must upgrade to 4.1.5.30 to integrate with TS.