

A7Core Feature Matrix

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TABLE OF CONTENTS

1	A7Core Feature Matrix.....	3
1.1	POS Functions	3
1.1.1	Supported POS Versions	3
1.1.2	POS Feature Comparison	3
1.2	Data.....	Error! Bookmark not defined.
1.2.1	Till Controllers	5
1.2.2	API	6
1.2.3	Data Adapters	6
1.2.4	Services	7
1.2.5	Cloud Data Adapters	8
1.2.6	Store Services.....	9
1.2.7	Store Data Adapters.....	9
1.2.8	Store POS Adapters.....	10
1.2.9	AiFramework.....	10
1.2.10	Database	10
1.2.11	Scandown.....	11
1.2.12	Reporting.....	11
1.3	Promotion Creation Tools.....	11
1.3.1	Marketing Manager	11
1.3.2	Shopper Radar Studio	11
1.3.3	Reward Manager.....	11
1.3.4	SinglePoint Manager.....	11
1.3.5	Promotion Creation Tool Comparison	11
1.4	Customer Portals.....	12
1.4.1	Shopper Radar.....	12
1.4.2	Member Connect	13
1.4.3	Customer Manager	13
1.4.4	Customer Portal Comparison.....	13
1.5	Merchant Tools	15
1.5.1	Program Manager	15

1.5.2	Operations Manager	15
1.5.3	Merchant Tool Comparison	15

1 A7CORE FEATURE MATRIX

The A7Core Feature Matrix is an overview of the features of the A7Core system. This document has five functional areas that are of interest to different user groups. Section 1.1 details Point of Sale (POS) functions and is intended for customers who are interested in the full range of functionality of the A7Core system all the way down to the lane in a merchant's retail location. Section 1.2 focuses on creating digital promotions that played in the lane, via proximity beacons, or on the web. Section 1.3 explains the components of the A7Core system used to interact with a merchant's customers and Section 1.4 shows the tools used to set up a program and merchant's individual retail locations. Section 1.5 finishes with the data used to inform and direct campaigns.

1.1 POS FUNCTIONS

1.1.1 Supported POS Versions

Retalix ISS45	8.1.5.4, 8.1.6.0, 8.1.7.0, 8.1.8.1
Toshiba (IBM) 4690 ACE – non-SI GUI	Version 7 Release 3/4
Toshiba (IBM) 4690 ACE – SI GUI	Version 7 Release 4
RORC v5	5.2.19.158 or greater
RORC v6	6.2.6.5
Scanmaster	2.09.00.05
NCR	V6/V7
Online Shopping	Cloud Till Controller 3.5.3.18
Mobile Checkout	Mobile Till Controller 3.5.3.14

1.1.2 POS Feature Comparison

Features	Retalix ISS45	Toshiba (IBM)	RORC	ScanMaster	NCR	Online Shopping	Mobile Checkout	Non-Active Function
1.1.2.1 Open Wallet with physical media	●	●	●	●				
1.1.2.2 Open Wallet with a phone lookup	●	●	●	●		●	●	
1.1.2.3 Spend wallet credit	●	●	●	●		●	●	
1.1.2.4 Quick enroll	●	●	●					
1.1.2.5 Anonymous enrollment receiving tag	●		●					
1.1.2.6 Purchase, refund, and void transactions at the POS	●	●	●	●				

1.1.2.7	Add monetary incentives (Wallet Builders) to wallet based on POS transaction	●	●	●	●		●	●	
1.1.2.8	Add points to wallet based on transaction	●	●	●	●		●	●	
1.1.2.9	Enrolled customer identification (frequent shopper)	●	●	●	●		●	●	
1.1.2.10	Cashier logon / logoff	●	●	●	●				
1.1.2.11	Price adjustment	●		V6	●				
1.1.2.12	POS close day reporting	●	●	●	●				
1.1.2.13	POS transaction history, daily report	●	●	●	●				
1.1.2.14	Receipts	●	●	●	●	●	●	●	
1.1.2.15	Reporting	●	●	●	●	●	●	●	
1.1.2.16	Scardown	●	●	●	●	●	●	●	
1.1.2.17	Apply digital store coupons from wallet	●	●	●	●		●	●	
1.1.2.18	Apply digital manufacturer's coupons from wallet	●	●	●			●	●	
1.1.2.19	Add coupons to wallet as a reward for POS transactions	●	●	●	●		●	●	
1.1.2.20	Apply continuity promotions from wallet (Bulk purchase rebate)	●	●	●	●		●	●	
1.1.2.21	MFR coupon stacking arbitration	●	●	●	●				
1.1.2.22	3 rd party rewards	●	●	●	●		●	●	
1.1.2.23	PIN-pad support	●	●	●	●				
1.1.2.24	Printer support	●	●	●	●				
1.1.2.25	UPC Barcode support	●	●	●	●				
1.1.2.26	Instant rewards (enhanced TPR)	●							
1.1.2.27	Barcode card de-activation and re-issue in the lane	●							
1.1.2.28	RFID tag de-activation and re-issue in the lane								●
1.1.2.29	Customer in-activate and re-activate tag (lost tag)								●
1.1.2.30	Pre-enroll receiving fulfillment voucher								●
1.1.2.31	Anonymous dependent enrollment receiving tag								●

1.1.2.32	Pre-enroll dependent receiving fulfillment voucher								●
1.1.2.33	Tag merge								●
1.1.2.34	Tag recycle								●
1.1.2.35	Select and pay from available linked payment accounts								●
1.1.2.36	Create and send gift fulfillment voucher via email								●
1.1.2.37	Perform prepaid credit via cash account								●
1.1.2.38	Perform prepaid credit via linked account								●
1.1.2.39	Perform adjusting transactions (credit and debit)								●
1.1.2.40	Transaction authentication via passcode								●
1.1.2.41	Customer authentication via picture								●
1.1.2.42	Customer tip selection								●
1.1.2.43	Pay from automatic payment accounts								●
1.1.2.44	RFID reader support								●
1.1.2.45	Camera support								●
1.1.2.46	MICR (Magnetic Ink Character Recognition) support								●
1.1.2.47	Magnetic stripe support								●
1.1.2.48	2-D barcode support (driver license)								●

1.2 TILL CONTROLLERS

1.2.1.1	Store TillController	Agent on store back office server that communicates with the POS lanes and with the A7Core Data Center. Processes real-time scans at the register to determine rewards (Coupons, Points, 3rd Party Rewards) to be added to the order. Communicates back to the A7Core Data Center on rewards settled. Adds rewards for both loyalty and non-loyalty customers.
1.2.1.2	Cloud TillController	Agent in the cloud with the A7Core Data Center that communicates with the customers via online ordering systems. Can be used for store or brand direct orders. Processes the order to determine rewards (Coupons, Points, 3rd Party Rewards) to be added to the order. Adds rewards for both loyalty and non-loyalty customers.

1.2.1.3 <i>Mobile TillController</i>	Agent in the cloud with the A7Core Data Center that communicates with the customers via mobile checkout and ordering systems. Processes the order to determine rewards (Coupons, Points, 3rd Party Rewards) to be added to the order. Adds rewards for both loyalty and non-loyalty customers.
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1.3 RESTFUL APIs

1.3.1.1 <i>Authentication API</i>	
1.3.1.2 <i>Marketing Manager API</i>	Hoopla
1.3.1.3 <i>Operations API</i>	For store and program setup
1.3.1.4 <i>Scandown API</i>	
1.3.1.5 <i>Reward API</i>	
1.1.1.1 <i>Brand Loyalty Link API</i>	
1.1.1.2 <i>Bulk Promotion API</i>	
1.1.1.3 <i>MobileTillController API</i>	
1.1.1.4 <i>CloudTillController API</i>	
1.1.1.5 <i>StoreTillController API</i>	
1.1.1.6 <i>Shopper Radar API</i>	
1.1.1.7 <i>Shopper Radar Studio API</i>	

1.4 DATA

1.4.1 Data Adapters

1.4.1.1 <i>TLog/order Adaptor</i>	A Tlog Order data adaptor used within the <i>TfHarvester services</i> that processes formatted Tlog Order files and converts them to the standard A7Core Tlog Order format.
1.4.1.2 <i>Product Adaptor</i>	A product data adaptor used within the <i>Product services</i> that processes formatted Product item files and converts them to the standard A7Core product format.
1.4.1.3 <i>Coupon Adaptor</i>	(Bing, YouTech, CellFire)
1.4.1.4 <i>Reward Adaptors</i>	

1.4.1.5	<i>Product Subscriber</i>	(Forward Product files from stores to subscriber)
1.4.1.6	<i>TLog Subscriber</i>	(Forward TLog files from store to subscriber)
1.4.1.7	<i>Site Product</i>	
1.4.1.8	<i>Site TLog/Order</i>	
1.4.1.9	<i>Coupon Subscriber</i>	(Forward active promotions to subscriber)
1.1.1.8	<i>Fuel Rewards Adapter</i>	

1.4.2 Services

Web or Windows based tools for doing specific tasks.

1.1.1.9	<i>POSWallet</i>	Communicates with the STC to open wallets, spend wallet credits, use promotions, and settle transactions in the lane
1.1.1.10	<i>Closeday</i>	Closes open AiOrder transactions and settles business dates
1.1.1.11	<i>Coupon Housekeeper</i>	Pulls third party promotions, updates promotions and sets A7Core promotions to limit-reached or expired
1.1.1.12	<i>Coupon Processor</i>	Settles third party coupons with the appropriate vendor.
1.1.1.13	<i>Customer Notification</i>	Sends out user registration and password reset emails
1.1.1.14	<i>Email Marketing</i>	Handles bulk email tasks and the email portion of combined tasks
1.1.1.15	<i>Enterprise Replication</i>	Replicates enterprise data to client databases for reporting
1.1.1.16	<i>Housekeeping</i>	Refills program point/prepay accounts.
1.4.2.1	<i>Mail Express</i>	Sends emails generated by non-bulk jobs
1.4.2.2	<i>Mail Express Bulk</i>	Sends emails generated by bulk jobs (email processor)
1.4.2.3	<i>Mail Manager</i>	Integration with 3 rd party email delivery provider
1.4.2.4	<i>Reward Preprocessor</i>	Prepares customer accounts to be processed by the Reward Processor (currently just Fuel rewards)
1.4.2.5	<i>Reward Processor</i>	Performs transactions against customer accounts that are part of the reward system
1.4.2.6	<i>Segment Service</i>	Updates customer segmentation records on a specified schedule
1.4.2.7	<i>Statement Notification</i>	Sends notifications regarding customer account balance
1.4.2.8	<i>Transaction Notification</i>	Sends notifications when a customer account balance is spent
1.4.2.9	<i>Task Scheduler</i>	Provides qualified customers with email or rewards

1.4.2.10 <i>SyncSend</i>	Synchronizes A7Core customer data with 3 rd parties
1.1.1.17 <i>SyncReceive</i>	Updates A7Core customer records with data from 3rd parties
1.1.1.18 <i>TfHarvester.Preprocessor</i>	A service that preprocesses all native POS Tlog Order files into the A7Core standard format. Uses the appropriate Cloud Data Adaptor as defined in the AiFramework.Partners AdaptorSettings.
1.1.1.19 <i>TfHarvester.Processor</i>	A service that stores preprocessed Tlog order files in the appropriate POD Order database shard.
1.1.1.20 <i>TfHarvester.HouseKeeper</i>	A service that ensures that the Tlog Order FTP files are properly managed, unknown files are deleted, processed files are deleted after their specified archive time frame and files that cannot be assigned to a store are properly archived.
1.1.1.21 <i>TfHarvester.Provider</i>	A service that allows A7Core 3rd party partners to subscribe and receive Tlog Order files real-time as they trickle in from store locations. Uses the appropriate Cloud Data Adaptor as defined in the AiFramework.Partners AdaptorSettings.
1.4.2.11 <i>TFHarvester Receipt</i>	Parses receipt files and inserts the receipt file into the database for viewing of the actual receipt in applications rather than an A7Core generated receipt
1.4.2.12 <i>Product.Update</i>	A service that preprocesses native POS product files into the A7Core standard product format. Use the appropriate Cloud Data Adaptor as defined in the AiFramework.Partners AdaptorSettings.
1.1.1.22 <i>Product.Provider</i>	A service that allows A7Core 3rd party partners to subscribe and receive Product Item files on a nightly basis. Use the appropriate Cloud Data Adaptor as defined in the AiFramework.Partners AdaptorSettings.

1.4.3 Cloud Data Adapters

1.4.3.1 <i>Product.IBM</i>	A product data adaptor used within the Product services that processes IBM SA/ACE formatted Product item files and converts them to the standard A7Core product format.
1.4.3.2 <i>Product.ISS45</i>	A product data adaptor used within the Product services that processes Retailix-ISS45 formatted Product item files and converts them to the standard A7Core product format.
1.4.3.3 <i>Product.RORC</i>	A product data adaptor used within the Product services that processes RORC formatted Product item files and converts them to the standard A7Core product format.
1.4.3.4 <i>Order.IBM</i>	A Tlog Order data adaptor used within the TfHarvester services that processes IBM(SA/ACE) formatted Tlog Order files and converts them to the standard A7Core Tlog Order format.
1.4.3.5 <i>Order.NCR</i>	A Tlog Order data adaptor used within the TfHarvester services that processes NCR formatted Tlog Order files and converts them to the standard A7Core Tlog Order format.

1.4.3.6	<i>Order.ISS45</i>	A Tlog Order data adaptor used within the TfHarvester services that processes Retailix-ISS45 formatted Tlog Order files and converts them to the standard A7Core Tlog Order format.
1.4.3.7	<i>Order.RORC</i>	A Tlog Order data adaptor used within the TfHarvester services that processes RORC formatted Tlog Order files and converts them to the standard A7Core Tlog Order format.
1.4.3.8	<i>Order.ScanMaster</i>	A Tlog Order data adaptor used within the TfHarvester services that processes Retailix-ScanMaster formatted Tlog Order files and converts them to the standard A7Core Tlog Order format.

1.4.4 Store Services

1.4.4.1	<i>AiTransfer</i>	A service installed in the store backoffice responsible for transferring native Tlog Order and Product Item files to the A7Core Data Center. Uses the AiConnect Store Data Adaptors to handle backoffice differences between POS systems to properly prepare and transfer files to the A7Core Data Center.
1.4.4.2	<i>Store TillController</i>	A service installed in the store backoffice responsible for interacting with all POS systems within the store. It is responsible for accepting real-time register product scans and other critical events and determines customer benefits to be returned to the POS for insertion into the order. Interfaces with the A7Core Data Center for real-time access to customer profile, store and manufacturer promotions. Also, interfaces with the AiConnect Store POS Adaptors that reside on each POS system.

1.4.5 Store Data Adapters

1.4.5.1	<i>Product.ISS45</i>	A product data adaptor that prepares a native Retailix-ISS45 product item file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.
1.4.5.2	<i>Product.ScanMaster</i>	A product data adaptor that prepares a native Retailix-ScanMaster product item file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.
1.4.5.3	<i>Product.RORC</i>	A product data adaptor that prepares a native RORC product item file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.
1.4.5.4	<i>Product.IBM</i>	A product data adaptor that prepares a native IBM product item file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.
1.4.5.5	<i>Order.ISS45(std. adaptor)</i>	A Tlog Order data adaptor that prepares a native Retailix-ISS45 Tlog order file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.
1.4.5.6	<i>Order.ScanMaster</i>	A Tlog Order data adaptor that prepares a native Retailix-ScanMaster Tlog order file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.

1.4.5.7	<i>Order.RORC (std. adaptor)</i>	A Tlog Order data adaptor that prepares a native RORC Tlog order file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.
1.4.5.8	<i>Order.IBM</i>	A Tlog Order data adaptor that prepares a native IBM(SA/ACE) Tlog order file for transfer to the A7Core Data Center. Used by the AiTransfer AiConnect Store Service.

1.4.6 Store POS Adapters

1.4.6.1	<i>POSAdaptor.ISS45</i>	A POS Adaptor for Retailix-ISS45 that maps real-time events at the POS to StoreTillController (STC) events and sends them to the STC for processing of customer benefits.
1.4.6.2	<i>POSAdaptor.ScanMaster</i>	A POS Adaptor for Retailix-ScanMaster that maps real-time events at the POS to StoreTillController (STC) events and sends them to the STC for processing of customer benefits.
1.4.6.3	<i>POSAdaptor.RORC</i>	A POS Adaptor for RORC that maps real-time events at the POS StoreTillController (STC) events and sends them to the STC for processing of customer benefits.
1.4.6.4	<i>POSAdaptor.IBM(SA/ACE)</i>	A POS Adaptor for IBM(SA/ACE) that maps real-time events at the POS to StoreTillController (STC) events and sends them to the STC for processing of customer benefits.

1.4.7 AiFramework

A series of assemblies that encapsulate data and process rules that support the A7Core business. These assemblies are used by all A7Core Web Applications, Window Services, and RESTful APIs - they are the business objects for all A7Core development. The assemblies encapsulate high risk and complex algorithms such as all database CRUD and sharding operations and common rulesets used in the business. These assemblies ensure high reuse, limit common coding mistakes, ensures consistency across applications, eliminates competing rulesets and keeps our application developers focused on the needs of the application, UI or service tier.

1.4.7.1	<i>Order</i>	Assembly that encapsulates data and rules on the A7Core standard Tlog order data elements.
1.4.7.2	<i>Product</i>	Assembly that encapsulate data and rules on the A7Core standard store product data elements.
1.4.7.3	<i>Partners</i>	Assembly that encapsulates information on connectivity and data adaptor settings to interface with 3rd party partners,
1.4.7.4	<i>Operations/Program</i>	Assembly that encapsulates store and program information along with information on database shard assignment.

1.4.8 Database

The A7Core Database Architecture is broken into multiple segments. The two primary segments and 1) an Enterprise series of databases and 2) a POD series of databases. There is only a single instance of the Enterprise series and multiple instance of the POD series. The Enterprise series represents data that is used across the Enterprise and manages and supports the multiple instances of the POD series instances. The Enterprise series support horizontal sharding that the POD series represent.

1.4.8.1	Enterprise	Enterprise set of databases
	Partners	Manages 3rd party connectivity and adaptor setting information that support AiConnect Services.
	Operations/Program	Manages store and program setup and configuration information as well as POD database sharding information to help distribute data properly across the system.
1.4.8.2	POD/Shard	POD series of databases that represents sharded data based on shard segment information contained in the Operations database.
	Product	Manages product item file information for a store, merchant and program.
	Order	Manages Tlog order information for a store, merchant and program.

1.4.9 Scandown

ScanDown provides the tools to accept scan-based trade funding, quickly track movement, expedite billing and increase sales with an automated feed directly into your billing system.

1.4.10 Reporting

A7Core provides over 90 reports that are accessible by subscription or by accessing the merchant reporting portal. These reports cover general merchant and A7Core internal data needs including basket uplift, cashier till balancing, churn and retention, segmentation, and coupon clips/redemptions.

1.5 PROMOTION CREATION TOOLS

1.5.1 Marketing Manager

Web-based application to create, approve, schedule & manage digital coupons, rewards, email templates, and other promotions.

1.5.2 Shopper Radar Studio

Web-based application to create, approve, schedule, and manage proximity beacon triggered coupons and manage proximity beacons.

1.5.3 Reward Manager

Web-based application used to create, approve, schedule, and manage prepay, point, and fuel programs for merchants. The programs are based on spend ratio, percentage, or tiered, and Reward Manager automatically converts points on a specified date or amount into wallet credits, coupons, or rewards

1.5.4 SinglePoint Manager

SinglePoint Manager is a dedicated UI that makes the creation, setup, and approval of non-loyalty SinglePoint coupons less time consuming for merchants.

1.5.5 Promotion Creation Tool Comparison

Feature	Marketing Manager	Shopper Radar Studio	Reward Manager	SinglePoint Manager	Non-Active Function
1.5.5.1 Template based email and SMS creation	●				
1.5.5.2 Targeted email, credits, coupons	●				
1.5.5.3 Digital manufacture coupon management	●	●		●	
1.5.5.4 Digital coupons creation and management	●	●		●	
1.5.5.5 Create, manage, and schedule promotions	●	●	●	●	
1.5.5.6 Promotion review, approval, and rejection	●	●	●	●	
1.5.5.7 Customer list creation and management	●				
1.5.5.8 Create personalized promotions	●				
1.5.5.9 Create continuity promotions	●				
1.5.5.10 Create Instant Rewards	●				
1.5.5.11 Create Daily Deals	●				
1.5.5.12 Employee incentive management	●				
1.5.5.13 Dynamic queries for targeted customer lists	●				
1.5.5.14 Charity, non-profit, scrip management	●				
1.5.5.15 Automated incentives	●		●		
1.5.5.16 Automated recalls	●				
1.5.5.17 Clubs and memberships	●				
1.5.5.18 Create point programs	●		●		
1.5.5.19 Convert points to coupons, wallet credits, or fuel discounts			●		
1.5.5.20 Create Fuel Reward programs			●		
1.5.5.21 Create promotions that are triggered by proximity beacons		●			
1.5.5.22 Create promotions that do not require a customer loyalty program				●	
1.5.5.23 Surveys - creation and assignment					●

1.6 CUSTOMER PORTALS

1.6.1 Shopper Radar

Shopper Radar is a smart phone (iOS and Android) application that provides in-store messaging, promotions, customer profile management, and manufacturer and store digital coupons that shoppers can clip in the app and immediately use in-store at checkout.

1.6.2 Member Connect

Member Connect is a white label web site providing merchant's customers with manufacturer and store digital coupons, gives customers a place to view their points, continuity progress, and rewards; and manage their profile and notification preferences.

1.6.3 Customer Manager

Customer Manager is a web-based customer-relation management tool that gives merchants the ability to assist customers with their profile, preferences, and provides the tools and data necessary to solve customer issues.

1.6.4 Customer Portal Comparison

	Shopper Radar	Member Connect	Customer Manager	Non-Active Function
1.6.4.1 Customer search			●	
1.6.4.2 View sent mail history			●	
1.6.4.3 View and resend bounced mail			●	
1.6.4.4 View and manage customer profile	●	●	●	
1.6.4.5 View and manage customer accounts		●	●	
1.6.4.6 View customer receipts	●	●	●	
1.6.4.7 Perform assisted enrollment on behalf of customer			●	
1.6.4.8 View and manage customer tag(s)		●	●	
1.6.4.9 Full enrollment	●	●	●	
1.6.4.10 Anonymous enrollment	●	●		
1.6.4.11 Dependent enrollment			●	
1.6.4.12 TOFA acceptance	●	●	●	
1.6.4.13 Issue fulfillment voucher			●	
1.6.4.14 Customer authentication via user-id and password		●		
1.6.4.15 Customer authentication with card number and validation		●		
1.6.4.16 Manage household member access to applications		●	●	
1.6.4.17 Manage household member profile		●	●	
1.6.4.18 Manage shopping list access		●	●	
1.6.4.19 Manage charity access		●	●	

	Shopper Radar	Member Connect	Customer Manager	Non-Active Function
1.6.4.20 Create / manage customer profile	●	●	●	
1.6.4.21 Manage customer notification options (email, SMS)		●	●	
1.6.4.22 Create / update customer picture		●	●	
1.6.4.23 Setup / manage customer UID/PW (web access)		●		
1.6.4.24 Reset password notification via web / email and SMS		●	●	
1.6.4.25 Select charitable giving options		●	●	
1.6.4.26 Set / manage home store		●	●	
1.6.4.27 Select / manage interest options		●	●	
1.6.4.28 Set / manage notification settings		●	●	
1.6.4.29 View customer points balance	●	●	●	
1.6.4.30 View dependent points balance		●	●	
1.6.4.31 View customer transaction history		●	●	
1.6.4.32 View dependent transaction history		●	●	
1.6.4.33 Manage customer notification options for email and SMS		●	●	
1.6.4.34 Shopping lists		●		
1.6.4.35 Clip manufacturer digital coupons	●	●		
1.6.4.36 Clip in-store digital coupons	●	●	●	
1.6.4.37 View continuity promotions	●	●	●	
1.6.4.38 Customer lifetime and monthly savings		●	●	
1.6.4.39 Customer lifetime and monthly spend			●	
1.6.4.40 Customer segmentation based on spend			●	
1.6.4.41 Customer basket size average			●	
1.6.4.42 Manage household member access to applications			●	
1.6.4.43 Manage household member profile		●	●	
1.6.4.44 Manage shopping list access			●	
1.6.4.45 View customer giving transactions		●	●	
1.6.4.46 Tag reissue			●	
1.6.4.47 Tag merge			●	
1.6.4.48 Tag suspend / disable		●	●	

	Shopper Radar	Member Connect	Customer Manager	Non-Active Function
1.6.4.49 Customer in-activate and re-activate tag (lost tag)		●	●	
1.6.4.50 Customer authentication using device credentials				●
1.6.4.51 Manage coupon and promotions access				●
1.6.4.52 Create and send gift fulfillment voucher via email				●
1.6.4.53 De-activation of existing RFID tag or Barcode card and re-issue in the lane				●
1.6.4.54 Survey opt-in				●
1.6.4.55 Establish / reset passcode (payment access)				●
1.6.4.56 Create multiple customer prepay accounts				●
1.6.4.57 Create customer payment accounts (e.g. CC, ACH)				●
1.6.4.58 Set-up/manage automatic linked payment account				●
1.6.4.59 Specify private & protected access modifier to prepay accounts				●
1.6.4.60 Refill customer and dependent prepay accounts (non-automatic)				●
1.6.4.61 Setup / manage auto refill to customer and dependent prepay accounts				●
1.6.4.62 Set customer velocity rules for ACH account only				●
1.6.4.63 Set customer and dependent velocity rules by department for payment accounts				●
1.6.4.64 Set customer and dependent passcode, signature and picture authorization requirements by department for payment accounts				●

1.7 MERCHANT TOOLS

1.7.1 Program Manager

Web-based Application used to setup and manage all aspects of the merchant's program.

1.7.2 Operations Manager

Web-based Application to manage data center applications

1.7.3 Merchant Tool Comparison

	Program Manager	Operations Manager	Non-Active Function
1.7.3.1 SMS message templates	●		
1.7.3.2 Cashier validation options	●		
1.7.3.3 Create and manage retail programs, merchants, sites, & POS	●		
1.7.3.4 Create and manage system users, roles, logins, passwords	●		
1.7.3.5 Create and manage notification options and delivery options	●		
1.7.3.6 Create and manage custom roles	●		
1.7.3.7 Create and manage supported charities	●		
1.7.3.8 Define retail accepted forms of payment	●		
1.7.3.9 Define receipt options	●		
1.7.3.10 Create and manage e-mail and SMS message templates	●		
1.7.3.11 Cashier validation options	●		
1.7.3.12 Define payment processors	●		
1.7.3.13 Configure operations notification settings		●	
1.7.3.14 Monitor hardware and services		●	
1.7.3.15 View and manage service requests		●	
1.7.3.16 View event logs		●	
1.7.3.17 Set heartbeat thresholds for devices and services		●	
1.7.3.18 View payment processor log entries		●	
1.7.3.19 Define departments			●
1.7.3.20 Define retail velocity rules for ACH			●
1.7.3.21 Define retail velocity rules for all forms of payment			●
1.7.3.22 Define retail passcode and signature authorization requirements by payment type			●
1.7.3.23 Define Retail picture authorization requirements by payment type			●