* Master API

The master formats for all entities needs to be shared which can cause a POS Loyalty Call to fail.

At present the identified entities are as follows:

* + Tender
  + Store
  + Barcode Master (represents Article/Item/Item Variant)

DVS – 13th Nov 2013

Received Barcode & Store Format but Tender Master Format is pending.

API to update Master is pending.

Ceeererty– 13th Nov 2013

**Will update these codes**

Ceeererty-27th Nov 2013

**Updated excel sheet has been sent to DVS on 14th**

11 November 2013

Last Response Received from Anurag.  
 “There has been no change request on Master API's yet, and the process is the manual.”

31 July 2013

Request from Shriniwas.

“Along with this data we also need to sync Item, Store and tender master with the ERP system to avoid issues which we are facing with current system.

Request you to also share the API's to the same as well.”

**Will get a clarification on this from the team by tomorrow**

**Point was noted in call on 26th Nov. Work in progress**

04 Dec 2013

**Store Master (Create/ Update/Delete/ List/ Retrieve) is completed.**

**Product Master (Create/Delete/List/ Retrieve ) is completed.**

**Tender Master - Work in progress.**

* Single Transaction Call Changes

Transaction Type with values Sales and Return Sales would be introduced as a Parameter.

Return Sales calls would also be sent using the Single Transaction Call.

Optional Parameters should be available for Return Reason Code and Comments

DVS – 13th Nov 2013

Optional Parameters for Return Reason Codes and Comments are missing

Ceeererty– 13th Nov 2013

**Added to task list. Will push for tomorrow.**

**Point was noted in call on 26th Nov. Work in progress**

04 Dec 2013

**Completed. It is made available on UAT**

* Transaction Type and Tender Level – Point Setup

The Points Setup should be a combination of Transaction Type and Tender.

For Example,

Transaction Type         Tender                 Type                Points

Sales                               Cash                     Issue               10 (Multiple of Cash Tender Amount)

Sales                               Credit Note        Issue                 0 (Multiple of Credit Note Tender Amount)

Sales                               Loyalty                 Issue                 0 (Multiple of Loyalty Tender Amount)

Return          Cash                     Deduction     - 10 (Multiple of Cash Tender Amount)**\***

Return                            Credit Note        Deduction           0 (Multiple of Credit Note Tender Amount)

Return                           Loyalty                Deduction           0 (Multiple of Loyalty Tender Amount)

**\*** (Points will be increased based on Points Redeemed in Original Transaction handled in Ceeererty as information of points is not maintained in POS)

Note: The POS will send the Tender Amount. The multiple used for conversion will be controlled by Ceeererty.

Loyalty Tender

Especially in case of the Loyalty Tender points will neither issue or redeemed based on Tender Amount

Since the POS does not maintain points the POS sends the Tender Amount.

The Loyalty Tender Amount sent by POS will be converted into Loyalty Points based on Ceeererty Rules.

      The points will be issued or deducted directly after conversion.

        This is required to avoid issuing or redeeming points based on the Loyalty Tender.

DVS – 13th Nov 2013

The different scenarios in which credit note is involved in refund transaction is not tested due to the following  
 error:

In Refund transaction with issuing credit note to customer returns following error while sending transaction to  
 Ceeererty Server

“There was an error. Please try again.”

Ceeererty– 13th Nov 2013

**This should be because of the tender master mismatch. Please try again after the master update. If still broken, request to send sample call causing issue**

Ceeererty– 27thth Nov 2013

**Investigating bug**

04 Dec 2013

**What parameter to be used for credit note and how the call is made?**

* Multiple Tenders – Point Bi-furcation

Points 200           Actual Points 200

Receipt No. : 4

Sales Transaction             Item A                   Price 1000

Tender Loyalty 101                                         Loyalty Points Deducted: 101

(Points deducted based on Points Input as POS and not based on  
 Tender Amount)

Tender Credit Note (CR1 Redeemed) 100    Loyalty Points Issued: 0

(Points not issued as Tender is Credit Note)

Tender Cash  800                                              Loyalty Points Issued : 80

Tender Cash 1 (Change Line)                          Loyalty Points Returned : -0.1

Tender Cash 799(Effective)                             Loyalty Points Issued (Effective): 79 (79.9 Rounded to  
 79)

**Change Line**

Note: The Tender Line and Change Tender Line both are sent as part of the tender information.

                             The Points issued should be as shown above.                       

Points 200 – 101 + 79 = 178           Actual Points 200 – 101 + 79 = 178

**Multi Tender**

Note: Points will be setup at Tender Level.

* Zero Points Balance

Multiple Points column will be maintained in the system.

Points for transactions.

Actual Points for Audit.

Points

Actual Points

For Example,

                                                All Points are issued and redeemed at Tender Level.

Points 0                Actual Points 0

                                1.            Receipt No. : 1

                                                Sales Transaction            Item A           Price 1000

                                                Tender Cash 1000            Loyalty Points Issued : 100                                          

                                                Points 0 + 100 = 100         Actual Points 0 + 100 = 100

                                2.            Receipt No. : 2

                                                Sales Transaction             Item B                     Price 100

                                                Tender Loyalty 1000        Loyalty Points Deducted: - 100

                                                Points 100 + -(100) = 0    Actual Points 100  + (-100) = 0

                                3.            Receipt No. : 3

                                                Return Sales Transaction      Item A        (Reference Receipt No. 1)

                                                Tender Cash 1000                  Loyalty Points Deducted: - 100

                                                Points 0 + -(100) = -100  Actual Points 0  + (-100) = -100

                                                Note: If Points < 0 and Transaction Type is Return Sales Then Points would not be deducted,

                                                Points : 0

                                                 Actual Points would be maintained for audit purposes.

                                                 This would help in analysing patterns wherein a cashier or a customer are trying to take   
 advantage of a process loop hole.

DVS – 13th Nov 2013

Points displayed to customer is negative in this scenario. As per discussion only audit points  
 would contain negative value but points will not contain negative value. It needs to be  
 checked on Ceeererty Side.

Ceeererty– 13th Nov 2013

**Bug has been fixed**

DVS – 14th Nov 2013

A new problem is encountered wherein redemption of loyalty points is not working in Sales  
 Transaction. The problem needs to be solved before the bug can be checked.

04 Dec 2013

**We have tested and identified that parameter passed in call should be redeempoints in header and not redeemPoints**

* Partial Refunds

Partial Refunds would be allowed in the system.

 Points 0                Actual Points 0

                                1.            Receipt No. : 1

                                                Sales Transaction             Item A      Qty 2                 Price 1000           Amount 2000

                                                Sales Transaction             Item B       Qty 1                 Price 500             Amount 500

                                                Tender Cash 2500            Loyalty Points Issued : 250

                                                Points 0 + 250 = 250         Actual Points 0 + 250 = 250

          2.            Receipt No. : 2

                                                Return Sales Transaction              Item B                   Qty 1                     Price 500                Amount 500

(Reference Receipt No. 1)

                                                Tender Credit Note 500                 Loyalty Points Deducted: 0

                                                Points 250           Actual Points 250

                                3.            Receipt No. : 3

                                                Return Sales Transaction              Item A                  Qty 1                     Price 1000               Amount 1000

(Reference Receipt No. 1)

                                                Tender Cash 1000            Loyalty Points Deducted: - 100

                                                Points 250 + -(100) = 150               Actual Points 250  + (-100) = 150

                                4.            Receipt No. : 4

                                                Sales Transaction             Item C                   Qty 1                     Price 1000           Amount 1000

(Reference Receipt No. 2)

                                                Tender Credit Note 500              Loyalty Points Deducted: 0

                                                Tender Cash 500            Loyalty Points Issued: 50

                                                 Points 150 + (50) = 200               Actual Points 150  + (50) = 200               

                Note: Current limitation of redeeming only the last transaction has to be resolved.

DVS – 13th Nov 2013

The different scenarios in which credit note is involved in refund transaction is not tested due to the following  
 error:

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 Ceeererty Server

“There was an error. Please try again.”

Ceeererty – 13th Nov 2013

**Same as before**

Ceeererty – 27th Nov 2013

**Same as before**

* Points Retrieve Call

Two additional parameters in response of Points Retrieve Call.

          URL

[http://api.Ceeerertyace.com/service/points/retrieve](http://api.cequityace.com/service/points/retrieve)

           Existing Output

           {"responsecode":200,"responsemsg":"Success","data":{"points":643,"socialpoints":"40"}}

            Required  Output

             {"responsecode":200,"responsemsg":"Success","data":{"points":643,"socialpoints":"40",”**Total Balance   
 Amount”,”Amount per Point**”}}

The following issue were encountered during Testing:

DVS – 13th Nov 2013

* In latest document release Amount & Discount both are not present in sample call of Transaction Call Request, but only Amount is mentioned in input parameters. At present we are sending both parameters thus needs to clarify the same.

Ceeererty – 13th Nov 2013

**The loyalty engine only deals with the final amount tendered and does not record the discount**

* In sales transaction using credit/debit card (payment mode credit) as payment mode then server returns following error even points are being issued in same transaction.

The remote server returned an error: (500) Internal Server Error.

Ceeererty – 13th Nov 2013

**There are a few missing parameters in the documentation. Will send across updated set.**

Ceeererty – 13th Nov 2013

**Investigating bug**

04 Dec 2013

**Completed**