 Advanced Discounts

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**Version 0.5**

*Prepared by*

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**Revision and Signoff Sheet**

**Change Record**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Author** | **Version** | **Change reference** |
| 12/02/09 | MR | 0.3 | Re-write of entire SRS following developer feedback |
| 12/02/2009 | MR | 0.4 | Added section 6 – Additional Information. / Removed section 2.2 function 8 -duplicate of function 6. / Clarified 4.1.1.8. / Clarified 4.1.1.2. / Clarified 4.1.1.2. / Clarified 4.3.1.3. / Clarified 4.3.1.6. / Added currency element to 4.3.1.8. / Specified transaction line 4.4.1.3. / Re-defined 4.4.1.7 / Clarified 4.4.1.12 / Re-defined 4.1.1.8 / Re-defined feature 4.5 |
| 13/02/2009 | MR | 0.5 | De-scoped. CQB / LDR removed from requirements |
| 18/02/2009 | MR | 0.6 | Revisions to requirements in section 4.3 following developer design discussions. Re-number 4.4.x.x requirements to 4.3.x..x |

**Reviewers**

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# Introduction

The Exchequer ABS product has as part of its functionality, flexible and comprehensive discount matrices. Over the last 12 months feedback received from the sales team, training/implementation and account management have highlighted the need to extend the discounting features to meet current distribution and retail market needs.

## Purpose

The purpose of this document is to define and outline the additional discount functionality for the IRIS Exchequer product.

## Intended audience

Director of Application Design, Head of Development, Product Director,

## Document conventions

N/A

## Glossary

**TTD** Total Transaction Discount

**VBD** Valued Based Discount

**MBD** Multi-buy Discount

**VRW** Visual Report Writer

**FD** Form Designer

## Additional information

Priority rating for requirements

|  |  |
| --- | --- |
| Priority | Description |
| 1 | Must Have |
| 2 | Should Have |
| 3 | Nice To Have |
| 4 | Future Enhancements  (Wish List) |

## Contact information/SRS team members

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## References

IRIS Exchequer ABS

# Overall Description

The Advanced Discount requirements for the Exchequer product should include five additional discount structures;

* Total Transaction Discount
* Value Based Discount
* Multi-buy

## Product perspective

1. Due to the nature of discount behaviour in IRIS Exchequer, the Advanced Discount options will be required to have relationships with each other and also respect current Exchequer behaviour. This should include the ability to apply the new structures to customer, supplier and stock records. There should also be scope to set rules regarding the order that discounts are applied.
2. These requirements are as such that it is likely that certain discount features would naturally overwrite the behaviour of another. The following is a list of combinations that should not be permitted;

* Total Transaction Discount & Value Based Discount
  1. This product development will be applicable to both Pervasive and MS SQL editions of the IRIS Exchequer product
  2. This development will not require additional licensing
  3. This development will require additional security
  4. A configuration / view approach is required as a high percentage of values detailed in ledgers and; lists are not stored values but calculated. It is not possible to apply an index to a calculated field.

## Product Functions

1. The Advanced Discount features should deliver the following functionality;
   1. The ability to apply additional discount options, complementing existing discount options
   2. Any additional fields deemed be included within the Exchequer Data Dictionary and exposed to VRW and ODBC and Toolkits.
   3. The Exchequer Importer to be extended to include sufficient options for implementing new discount structures.
   4. Advanced Discounts options to be supported by Trade Counter, Telesales , E-Business

## User classes and characteristics

1. User Classes and characteristics are as follows;
   * 1. The Advance Discount set-up should be available to users who have access customer, supplier and stock discount functionality, as determined by IRIS Exchequer user security.

## Assumptions and dependencies

1. The following assumptions have been made;
   1. The Exchequer SPOP module must form part of the Exchequer installation.
   2. It is assumed the Exchequer rule of “Customer is king” will be respected.
   3. It assumed that the Advance Discount data will be accessible by current reporting services within the Exchequer product.
   4. It is assumed that the Advanced Discount options will be applicable to both sales and purchase transaction types, including Returns.
   5. It is assumed that should external tables be required for the solution import and administrative features should also be provided.
   6. It is assumed that current effective dates functionality will be applied to the range of discount options covered in this document
   7. It is assumed that all Exchequer user password security settings will be respected with the introduction of these additional discount options
   8. It is assumed that this development will be within the core application and not by way of a plug-in

# External Interface Requirements

1. N/A

## Software interfaces

N/A

# System Features

## System feature A

**Total Transaction Discount - TTD**

### Function Requirements / Description and priority

This feature shall allow a user to apply an overall discount to a transaction at the point of entry at their discretion. The TTD shall be in addition to any other discounts that have been applied to the transaction lines

|  |  |  |
| --- | --- | --- |
| Requirement ID | Priority | Description |
| 4.1.1.1 | 1 | The TTD should be applied in addition to any line discounts already applied. See Section 2.1 paragraph 2 for exceptions |
| 4.1.1.2 | 1 | The ability to apply a TTD should be triggered by either a button or pop-menu on TL list |
| 4.1.1.3 | 1 | The option to apply the TTD should be available upon the store of the transaction |
| 4.1.1.4 | 1 | A pop-up window should be displayed allowing users to enter a TTD |
| 4.1.1.5 | 1 | The TTD pop-up should included a Cancel option |
| 4.1.1.6 | 1 | The ability to add TTD as a percentage value should be provided |
| 4.1.1.7 | 1 | The ability to add TTD as a monetary value should be provided |
| 4.1.1.8 | 1 | TTD pop-up should be triggered buy a change in NET value or a manual override via button / menu option on TL list |
| 4.1.1.9 | 1 | When a TTD is required to be edited, the previous TTD should be removed from the transaction and re-calculated with the newly entered value. |
| 4.1.1.10 | 1 | TTD should be applied to the total NET value of a transaction prior any settlement discount present and prior to VAT |
| 4.1.1.11 | 1 | A validation to ensure that TTD does NOT take the value of he transaction to below 0.00 |
| 4.1.1.12 | 1 | TTD should be applicable to the following transaction types:  SQU / SOR / SIN / SJI / SRI / PQU / POR / PIN / PJI / PPI / and Auto transaction of the same types as listed |

### Action/result

1. Action: On the store of a transaction the ability to enter either a monetary value or percentage discounts value.
2. Result: Additional transaction line is added to the transaction detailing either the monetary or percentage value entered, updating the net value of the entire transaction.

## System feature B

**Value Based Discount – VBD**

This feature shall provide the ability for a pre-determined monetary or percentage discount to be automatically applied to a transaction.

### Function Requirements / Description and priority

|  |  |  |
| --- | --- | --- |
| Requirement ID | Priority | Description |
| 4.2.1.1 | 1 | The VBD should be applied in addition to any line discounts already applied. See Section 2.1 paragraph 2 for exceptions |
| 4.2.1.2 | 1 | An option to add a VBD should be provided on the Discount Record dialog for both Customer and Supplier  *See Section 6 fig 1* |
| 4.2.1.3 | 1 | VBD record should consist of a the following parameters;  Net Value, currency, discount value/discount % |
| 4.2.1.4 | 1 | The VBD monetary based values should only be allowed for the same currency as the range |
| 4.2.1.5 | 1 | VBD should be applied to the total NET value of a transaction prior any settlement discount present and prior to VAT |
| 4.2.1.6 | 1 | A validation to ensure that VBD does NOT take the value of he transaction to below 0.00 |
| 4.2.1.7 | 1 | VBD should be applicable to the following transaction types:  SQU / SOR / SIN / SJI / SRI / PQU / POR / PIN / PJI / PPI / and Auto transaction of the same types as listed |

### Action/result

1. Action: On the store of a transaction a VBD should be applied to the transaction.
2. Result: Additional transaction line is added to the transaction detailing either the monetary or percentage value, updating the net value of the entire transaction

## System feature C

**Multi-buy Discount - MBD**

### Function Requirements / Description and priority

This feature shall allow a user to apply a multi-buy discount to a transaction line.

|  |  |  |
| --- | --- | --- |
| Requirement ID | Priority | Description |
| 4.3.1.1 | 1 | The MBD should be applied in addition to any line discounts already applied. See Section 2.1 paragraph 2 for exceptions |
| 4.3.1.2 | 1 | An option to add the MBD should be provided on the Discount Record dialog for both Customer and Supplier and Stock  *See Section 6 fig 1* |
| 4.3.1.3 | 1 | The option to apply the MBD should be available upon the store of the transaction line |
| 4.3.1.4 | 1 | MBD should be applied to the total NET line value prior any settlement discount present and prior to VAT |
| 4.3.1.5 | 1 | Supported Multi-buy option:  Buy x get y free (e.g. Buy 1 get 1 free) |
| 4.3.1.6 | 1 | Supported Multi-buy option:  Buy x for £y (buy 3 for a £1) |
| 4.3.1.7 | 1 | Supported Multi-buy option:  Buy x get x% off (buy 3 and get 5% off) |
| 4.3.1.8 | 1 | Access to the MBD records to be controlled by user password security |
| 4.3.1.9 | 1 | A validation to ensure that MBD does NOT take the value of he transaction to below 0.00 |
| 4.3.1.10 | 1 | MBD should be applicable to the following transaction types:  SQU / SOR / SIN / SJI / SRI / PQU / POR / PIN / PJI / PPI / and Auto transaction of the same types as listed |

### Action/result

1. Action: On the store of a transaction line, the option of applying a multi-buy discount is available
2. Result: Multi buy discount applied

# Non-functional Requirements

1. Non-functional requirements are as follows;

## Performance requirements

### Response Time

Impact on performance should be kept to a minimum

## Safety requirements

1. N/A

## Security requirements

1. N/A

## Software quality attributes

1. A zero tolerance approach to discrepancies in reliability is to be exercised.

## Project documentation

1. N/A

## User documentation

1. Exchequer Help files to be updated in accordance with this feature enhancement.

# Additional Information

Fig 1

Discount record dialog:

