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# *RR Donnelley Security File Design Document*

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Approval Signatures (Mandatory)

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**Note**: The sign off indicates approval of all sections of the document.

Document Revision History

This chart tracks the changes introduced by the revisions to the document as the project progresses through the stages of the System Development Life Cycle (SDLC).

| Version | **Date** | **Description (Changes Made)** | **Author(s)** |
| --- | --- | --- | --- |
| 0.1 | 08/10/2010 | Initial Draft | Sterling |
| 1.0 | 08/13/2010 | Ready to Deliver | Sterling |
| 1.1 | 8/23/2010 | Updated based on meeting 8/23 | Sterling |
| 1.2 | 8/31/2010 | Updated with connectivity diagram 8/27 | Sterling |
|  |  |  |  |

Related or Reference Documents

| Document Name | Description | Owner | Location |
| --- | --- | --- | --- |
| SCI\_Xpedx Solution Definition Document v1.5 | Solution Definition document | Sterling Commerce |  |
| RRD-UserFileInterface v1.2.xlsx | RRD Security File Field Mapping | Sterling Commerce/xpedx |  |
| XPX\_S\_Active\_Users\_04\_30\_2009.A01.txt | Sample RRD User Security File | xpedx |  |
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# Introduction

## Document Purpose

This document is the governing Interface design document for the RRD Security file. It presents significant decisions and constructs used in developing the interfaces. Testing, builds, configuration management are not covered in this document.

The document also includes data mapping to be used by respective parties (Sterling, webMethods, Legacy) to design their systems in order to support the interface.

The document will also serve the purpose of keeping a list of assumptions that were made during design discussions.

## Document Audience

This document is intended for management and technical staff working on this project, xpedx IT and Business, webMethods, Legacy(MAX and ACCESS), HP, IW, xpedx/IP Network Team. Sterling will use the document during design and configuration for design consideration.

# Batch File – RR Donnelley Security File

## Overview

This is a daily batch process. The purpose of this process is to output a file that is used by RR Donnelley to control customer user access to invoice data in its system.

This file contains information related to users and the customers that they can view invoices for. The parts of information contained are detailed in the mapping document attached.

## Master System

Sterling is the master of record for the RRD Security File information.

## Process Flow

## Sequence Diagram

NA

## Flow Details

NA

## Field Mapping



## Schema

<RRDUserList>

<RRDUser>

<Customer/>

<UserID/>

<FirstName/>

<LastName/>

<InvoiceMethod/>

<Email/>

<BranchID/>

<Admin/>

</RRDUser>

</RRDUserList>

End of Feed Message format

**<EOF/>**

## Screen Shot

Not Applicable.

## Open Questions

1. What fields in the customer profile are used to generate the “Customer” field ? [Prashant – 8/23 – Clarified and updated mapping document to reflect generation logic]
2. Email field – do we have the invoice email fields on the user profile ? [George – 8/23 – Yes new field on user profile.]
3. BranchID – notes say value of 0 or 2 for admins. Which admin? What do 0 and 2 denote? [George – 8/23 – clarified and updated in the mapping document.]
4. Connectivity process for RRD Security file.
5. Is this file generated for all users in the system or only external or only internal or only for folks with some specific roles ? [George – 8/23 – For all customers, find all users. If the user profile-”View Invoices Role” is enabled, then send a record. Send internal users also only if “can view invoices” flag is on.]

## Assumptions

1. Full load generated everyday.
2. Connectivity is expected to be via wM
3. Since the number of users could be very large, Sterling will send smaller sets of user records in each message. The end of the days feed will be denoted by an End Of Feed message.

# Connectivity Diagram

## RRD Security File – Connectivity Diagram



## Connectivity Process

1. Daily batch process in Sterling determines the users that need to be sent to RRD and places xml records onto the MQ.
2. webMethods picks up the records and converts them to a file in RR Donnelley’s format.
3. This file is dropped onto an FTP server where RAFTS picks it up and sends it to RR Donnelley.

# Glossary of Terms

|  |  |  |
| --- | --- | --- |
| S. No. | Term | Definition |
| 1. | RAFTS | File transfer (FTP) |
| 2. | UE (User Exit) | Hooks to write custom code in Sterling |
| 3. | MQ | Message Queue |
| 4. | BR1 | Business Release 1 |
| 5. | IW | Industrial Wisdom – third party company engaged on the project for the website look and fee. |
| 6. | UI | User Interface – look and feel of the web site pages. |
| 7. | RRD | RR Donnelley |

# Appendix

## Sample RRD Security File

