RESERVE BANK INFORMATION AND TRANSFER SYSTEM

RITS Low Value Feeder Project

Low Value Settlement Service

Member Technical Specifications

November 2010

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1.   Introduction

1.1   Background

This paper provides Members[1] with detailed technical information for using the RITS Low Value Settlement Service (LVSS).   It includes the information required to undertake appropriate systems development in order to produce File Settlement Instructions (FSIs) to send to the LVSS and to receive responses and advices from the LVSS. It contains the detailed message specifications and XML schemas used by the LVSS. The specifications provided in this document have taken into account the industry's feedback on the design of the LVSS provided from earlier working group discussions and consultation papers (see section 1.3 below).

A separate document titled *LVSS Member Documentation, November 2010*, provides Members with more general details about the operation of the LVSS.

1.2   Purpose and Scope of this Document

The purpose of this document is to provide information Members to enable development of the necessary message functionality within their systems to use the LVSS.   This document provides:

- detailed message specifications which include the instructions sent to the LVSS and the responses and advices sent by the LVSS;

- technical specifications for LVSS messages (XML schemas) including error codes (see Appendix 1); and

- details of fields in existing clearing and settlement files that could be used to compile the new LVSS messages (see Appendix 2).

This document should be read in conjunction with the *LVSS Member Documentation, November 2010*.

1.3   Related Documents

The following documents related to the Low Value Feeder project, incorporating the Low Value Clearing Service (LVCS) and the Low Value Settlement Service (LVSS), are available on the RITS Information Facility:

- *Same-day Settlement of Low-value Payments in RITS - Industry Consultation Paper, May 2008*

- *Industry Consultation Paper 2: Network Arrangements, Message Flows and Settlement of Low Value Payments in RITS, January 2009*

- *Industry Consultation Paper 3: Some Initial Design Aspects proposed for the Low Value Feeder, March 2009*

- *Clearing Interconnector Service, Information Paper, June 2009*

- *Overview of Governance Arrangements, December 2009*

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[1] For the purposes of this document, the term "Member" is used to mean current and prospective members of RITS who are direct clearing participants of low value clearing systems and who settle directly across their ESA the interbank obligations arising from these clearings.

- *Payments Network Connectivity: Partner Migration, Information Paper, December 2009*

- *Low Value Network Migration Project: Timetable and Scope, Information Paper, February 2010*

- *Low Value Clearing Service (Clearing Interconnector) Member Documentation, May 2010*

- *Low Value Clearing Service (Clearing Interconnector) User Guide, July 2010*

- *Low Value Settlement Service: Member Documentation, November 2010*

2.   Transmission of LVSS Messages to and from the RBA

Members will be able to send settlement and recall files to the LVSS via the COIN or via SWIFT FileAct, and receive LVSS response and advice files via these networks. Members do not need to use the same communications network as their counterparty.

Information exchanged between Members and the LVSS, such as FSIs and File Recall Instructions (FRIs), and LVSS advices and responses, will be in the form of files containing XML formatted messages.

COIN participants that are already users of the Low Value Clearing Service will not have to undertake any new connectivity activities. However, a separate destination for the delivery of FSIs and FRIs will be advised by the RBA closer to go-live.

SWIFT FileAct participants that are already users of the Low Value Clearing Service are likely to already be members of the appropriate Closed User Group(s), but will need to use the settlement (not clearing) request types, as outlined in section 2.3.

For LVSS responses and advices, routing rules for each Member will need to be set up in RITS to ensure that these messages are delivered to the correct destinations. The RBA will liaise with Members regarding these rules closer to go live.

2.1   File Names for LVSS Instructions to RBA

An FSI file name should be in the format of FSI.ORIG.XXXXXXXX.XML, where ORIG is the ESA holder's RITS mnemonic, and XXXXXXXX is an ID determined by the originator (or their agent as sender) of up to 8 alphanumeric characters. It is recommended that a unique ID is used for each FSI, although this is not mandatory.

An FRI file name should be in the format of FRI.ORIG.XXXXXXXX.XML, where ORIG is the ESA holder's RITS mnemonic, and XXXXXXXX is an ID determined by the originator (or their agent as sender) of up to 8 alphanumeric characters. It is recommended that a unique ID is used for each FRI, although this is not mandatory.

File names of FSIs and FRIs will be used by the RBA to route incoming messages to RITS for processing by the LVSS.

2.2   File Names for LVSS Responses and Advices from RBA

The file name for LVSS responses and advices has been designed to allow message recipients to determine the purpose of the message (message type) without having to open and read it. This may assist Members with internal routing of messages, or prioritising actioning of messages. File names of FSI responses and advices will contain the Payment Service code, which may also assist with Member's internal routing.

The following file name standard will be used for outgoing RITS LVSS Messages:

MessageType.MessageID.RecipientID.*PaymentService.OriginatorID*.XML

Message Type is a code indicating the type of message. Possible values are:

Message Type	Full Name	Description
FSRS	File Settlement Response – Successful	FSR Settled
FSRU1	File Settlement Response – Unsuccessful 1	FSR Rejected
FSRU2	File Settlement Response – Unsuccessful 2	FSR Recalled
FSRU3	File Settlement Response – Unsuccessful 3	FSR Unsettled EOD
FRRS	File Recall Response – Successful	FRR Recalled
FRRU1	File Recall Response – Unsuccessful 1	FRR Rejected
FRRU2	File Recall Response – Unsuccessful 2	FRR Failed
FSA1	File Settlement Advice 1	FSA Accepted
FSA2	File Settlement Advice 2	FSA Changed SM

The **Message ID** will be the message identification number assigned by RITS. This field is 8 characters in length, consisting of the letter "L" followed by seven numbers (e.g. L1000123).

The **Recipient ID** is the 4-character mnemonic of the intended recipient of the LVSS Message (e.g. WPAC). For rejects (FSRU1 and FRRU1) the Recipient ID will be the ID of the File Sender. For all other responses and for advices, the Recipient ID will be the ID of the Originator or Counterparty that requested the response or advice.

The **Payment Service** is used only for FSRs and FSAs. It is the Payment Service specified in the relevant FSI (e.g. BECS). This file name element will not appear in Recall Responses (as the Payment Service is not identified in an FRI).

The **Originator ID** is used only for reject responses (FSRU1 and FRRU1) where the FSI or FRI was sent by an agent (i.e. where the sender is not same as Originator). It will not appear in all other response and advice file names. It will be the 4-character mnemonic of the Originator identified in the FSI or FRI. Originator ID will not appear in rejects where the Originator ID field was omitted from the original FSI.

A file extension of "**.XML**" indicates that the message is in XML format.

LVSS response and advices will be sent to Members via either the COIN or SWIFT FileAct by the RBA's file transfer interface. The routing rules set up within this interface will allow Members to direct all responses and advices to a single destination, or to specify different destinations for different messages. This will allow, for example, an agent that acts for more than one Member to specify different destinations for responses and advices for each of those Members, based on the Recipient ID component of the file name.

2.3   SWIFT FileAct for LVSS

This section is only relevant to Members that will send and receive LVSS messages over the SWIFT FileAct Service.

The RBA has set up a single SWIFT FileAct business service known as "SWIFTNet Bulk Payments by the RBA". The RBA is the Administrator of this service.

Production (Live) and Pre-Production (Industry Test) Environments will be available to Members. The Test Environment is indicated in the technical service name by the suffix "!pu".

For each environment, there will be two FileAct Closed User Groups (CUGs); one for 'real time' and one for 'store and forward'. These CUGS will allow SWIFT participants to choose between sending/receiving files in 'real time' or 'store and forward' modes, and are indicated in the technical service name by the suffixes ".rt" and ".sf".

Unless otherwise agreed with the Member, RITS will always attempt to send outgoing LVSS messages in real time mode.

Use	Transfer Mode	Technical Service Name	Available Request Types
Production	Real Time	**rba.bulkp.rt**	pacs.xxx.cfe pacs.xxx.lvs pacs.xxx.lvsc
Production	Store and Forward	**rba.bulkp.sf**	pacs.xxx.cfe pacs.xxx.lvs pacs.xxx.lvsc pacs.xxx.lvyc
Industry Test	Real Time	rba.bulkp.rt!pu	pacs.xxx.cfe pacs.xxx.lvs pacs.xxx.lvsc
Industry Test	Store and Forward	rba.bulkp.sf!pu	pacs.xxx.cfe pacs.xxx.lvs pacs.xxx.lvsc pacs.xxx.lvyc

The RBA will use the following SWIFT Distinguished Names (DNs) for each CUG and Request Type combination:

Pre-Production: ou=preprod,ou=bulkp,o=rsbkau2s,o=swift

Production: ou=bulkp,o=rsbkau2s,o=swift

2.3.1   SWIFT FileAct Request Types

Within each technical service, separate Request Types have been set up to differentiate between the various types of file transfers that can take place. These are described in the table below.

Request Type	Description
pacs.xxx.cfe	**Clearing File Exchange** *This request type is not used for LVSS, but is shown here for completeness.* This request type is used to transfer a clearing file to and from the RBA via SWIFT FileAct. This request type is used for all clearing files which use the RITS LVCS (this includes file transfers to and from the RBA as the exchange partner). For files initiated via SWIFT (and where the RBA is not the exchange partner), the RBA will route the clearing file to the intended Member via the COIN or SWIFT. For files received via the COIN, the RBA will route the clearing file to the Member using SWIFT. This request type can be used in both real-time and store-and-forward modes.
pacs.xxx.lvs	**Low Value Settlement** This request type is used by the Member to send an LVSS settlement instruction (or recall instruction) to the RBA. The settlement instruction is in the payload file. The RBA will route the settlement instruction to RITS. The RBA will use this request type for all settlement-related messages (i.e. LVSS responses and advices) from the RBA to Members via SWIFT FileAct, regardless of which request type was used to send the settlement or recall instruction to RITS. This request type can be used in both real-time and store-and-forward modes.
pacs.xxx.lvsc	**Low Value Settlement and Clearing** This request type is used by the Member to transfer a clearing file to an exchange partner and to send an LVSS settlement instruction to RITS at the same time using SWIFT's FileAct Service. The settlement instruction is in the HeaderInfo field of the File Transfer Request and the clearing file is the payload file. The RBA will route the settlement instruction to RITS and the clearing file to the exchange partner. The Sender must use SWIFT FileAct and the Receiver of the clearing file can use either COIN or SWIFT. The RBA will <u>not</u> send clearing files or LVSS responses or advices using this request type. This request type can be used in both real-time and store-and-forward modes.

Request Type	Description
pacs.xxx.lvyc	**Low Value Y-Copy** This request type is used by the Member to initiate a clearing file transfer to a SWIFT exchange partner and to send an LVSS settlement instruction to RITS at the same time using SWIFT's FileAct Y-Copy Service. The settlement instruction is in the HeaderInfo field of the File Transfer Request and the clearing file is the payload file. The Y-Copy Service will retain the clearing file and send a copy of the settlement instruction to RITS. After settlement of the FSI, RITS will send a release authorisation to SWIFT, at which time the Y-Copy Service will release the clearing file to the exchange partner (with some additional RITS settlement information). The sender may also choose to receive settlement confirmation (with some additional RITS settlement information). If settlement does not occur, RITS sends a release refusal to SWIFT, who will not release the clearing file to the receiver, and advises the sender of the refusal reason. Both sender and receiver must use the SWIFT FileAct service for low value file exchanges in order to use the Y-Copy option. This request type can only be used in store-and-forward mode. This option will not be available in the initial implementation of the LVSS.

2.3.2 SWIFT FileAct Y-Copy and XSYS Messages

Later implementations of the LVSS will include a SWIFT FileAct Y-Copy solution, for optional use by pairs of participants that exchange clearing files via SWIFT FileAct. Under this option, a clearing file is sent to SWIFT, addressed to the clearing counterparty, with the FSI included in the HeaderInfo section of the File Transfer Request and using the Y-Copy Request Type. SWIFT sends a copy of the HeaderInfo to RITS, which validates the incoming FSI and places an LVSS Transaction on the Queue for settlement. RITS must respond to SWIFT with an XSYS message that contains either an authorisation to release or a release refusal. The business event that triggers the authorisation to release is determined by the business owner. It has been decided that for LVSS purposes, an authorisation to release will be sent following settlement of the related FSI. This means that clearing files sent via Y-Copy outside of RITS settlement hours are not eligible for release by SWIFT until RITS opens and recommences settlement testing.

The XYSY message sent from RITS to SWIFT following settlement authorises the release of the clearing file to the clearing counterparty and contains additional information for the initiator and its counterparty. The counterparty receives the clearing file, HeaderInfo and additional content from the XSYS message sent by RITS to SWIFT (termed 'Third Party to Receiver Information'). As the original FSI in the HeaderInfo is released to the receiver, the full content of an FSR Settled is not required to be included in the information to the receiver. The initiator may also elect to receive a post-settlement notification, which will contain additional content from the XSYS message sent by RITS to SWIFT (termed Third Party to Sender Information).

If an FSI is rejected, or the LVSS Transaction is recalled or is unsettled at end of day, RITS will send an XSYS message to SWIFT refusing release of the associated clearing file. In this case, the counterparty does not receive the clearing file or any notification. The sender is advised that release of the file was refused, and receives additional content explaining why from the XSYS message sent from RITS to SWIFT (termed 'Third Party Refusal Reason').

It should be noted that LVSS responses are suppressed for Y-Copy payments, as the two parties will receive the relevant information from the Y-Copy Service messaging. File Settlement Advices will be sent for Y-Copy transactions, if selected.

3.   LVSS Message Specifications - Overview

3.1   XML Schema

The XML Schema for LVSS messages will be downloadable from the RITS Information Facility. Members are advised to use this when building their systems.

3.2   Design of LVSS XML message structure

The LVSS message structures were designed, where possible, to use existing XML data types adhering to ISO 20022 standards. New XML data types have been defined where required. Abbreviations and terms used in XML element names have been taken from existing financial XML messages, where possible. For example, XML uses Dbtr for debtor/payer, and Acct for account.

Where possible, data elements were formed into "groups", which themselves are defined XML elements. Mandatory/Optional and allowable number of repeats can be set for a group and/or on individual data elements within a group. Messages were designed to reuse "groups" of data items. For example, the element SettlmInf (settlement information), which contains the settlement date, settlement time, settlement amount, payer, payee, LVSS Settlement Method and settlement details, is used in the FSI. It is also used in advices and responses where this information is required. A group, when used in different messages, has the same content, including mandatory/optional settings. This is why the data element LVSS Settlement Method is shown as optional in the FSR Settled even though it will always be populated - this is because this particular element is not mandatory in the FSI. Where an optional element will always be populated by RITS, this is noted in the description.

Each XML message (whether sent to RITS or created by RITS) has a "root element" that indicates what the message is.

3.3   XML Message Content Diagrams and Field Content Tables

The following sections contain, for each LVSS message, a description of the purpose of the message, a sample complete message in XML format and a diagram of the XML message structure. It also contains a table listing each field used in that message, and the name of the XML element, XML data type and business parameters used for that field. Business parameters are the validations performed by RITS, and are more restrictive than those indicated in the 'XML Data Type' column. Members should ensure their systems are built to accommodate business parameters. FSIs that do not meet business parameters will be rejected.

The diagram of each message shows the components of the message. The table on the left hand side shows the entire content of the message in the data groups. This is split into the components of each group in the tables on the right hand side.

Item	Content in Left Hand Side Tables	Content in Right Hand Side Tables
Heading	Message name	Data group description
Left column	Data group name	Data element name
Middle column	Maximum/minimum repeats of that data group	Maximum/minimum repeats of that data element
Right column	Data type (which is the data group description)	Data type

The table of message content explains each field of the data diagram and gives any guidance on usage.

Item	Description
Business Element	The business name of the data item.
XML Element	The XML element name of the data item.
	Note that only the lowest individual data elements are listed in this table. Data "group" names are not shown.
XML Data Type	The XML data type of the data element.
	This usually encompasses the type of data and length of the field. Some elements have special formats (for example, dates, amounts), which are defined in the XML Schema.
	<u>Alphanumeric</u> means alphabetic characters and numeric characters only (i.e. a - z, A – Z, 0 - 9). Fields may be specified as case sensitive.
	<u>Text</u> means alphabetic characters, numeric characters and special characters (i.e. includes $, #, +, - (,), etc).
	<u>Exact4Text</u> means 4 text characters.
	<u>Max16Alphanumeric</u> means up to 16 alphanumeric characters.
Description and Business Parameters	Describes how the field should be populated by the Originator, or how RITS will populate the field. Contains:
	• description of the item to be populated in the field;
	• description of the format of the field, including character type and length, and case, where relevant;
	• specific allowable value(s), where relevant; and
	• description of any other restrictions or validations on the item.
M/O	Indicates whether the field is 'M'andatory or 'O'ptional in the message.
Mul	Indicates the number of instances of a field that is allowed in the message.

4.   File Settlement Instruction (FSI)

4.1   FSI Message Purpose

The FSI is used to send settlement details to RITS to create a transaction to be settled across the ESAs of the Originator and the Counterparty. The Originator can be Payer or Payee. An FSI may reflect credit items or debit items, or both.

The content of the FSI will include clearing details, settlement details and participant settlement information.

The FSI is recognised as a (net) debit items transaction when the Originator of the FSI is the Payee (i.e. the receiver of ES funds). The FSI is recognised as a (net) credit items transaction when the Originator of the FSI is the Payer. The Status fields are optional for transactions where the Originator is paying ES funds, and are not applicable for transactions where the Originator is receiving ES funds.

4.2   Clearing File Reference

There may not be a clearing file associated with an FSI. The Clearing File Reference field is therefore optional in the FSI. However, this field will be procedurally mandatory for FSIs relating to clearing file transfers. RITS will not validate this field against clearing files sent between Originator and Counterparty.

4.3   Settlement Date and Payment Date

Each FSI must contain a Settlement Date which is the date nominated for settlement across ES Accounts in RITS. Each FSI must also contain a Payment Date which is the date that clearing items are to be processed to customer accounts. RITS will validate that the Settlement Date is either the same as the Payment Date or that the Settlement Date the next available RITS business day.

For FSIs settling in a multilateral run under next-day 9am arrangements, RITS will calculate - and include in the 9am multilateral run - bilateral clearing system interest obligations per Payment Service, based on the Payment Date and Settlement Date fields in each FSI and the relevant interest rate.

4.4   Settlement Amount

The Settlement Amount is the net amount of the value of credit items and debit items if the FSI covers both. RITS will **not** validate the credit value and debit value fields against the Settlement Amount value. A settlement amount of $0 will be allowed in an FSI and will be processed as a settlement transaction. An FSI with a settlement amount of $0 that is selected for Multilateral Settlement will be tested as part of the Multilateral Group and so may not settle immediately. Relevant AIF messages and LVSS advices and responses will be sent for $0 value FSIs.

4.5   Additional Fields for Future Use

A Clearing Details field and a Settlement Details field are included in the FSI (as well as related responses and advices). These fields are optional and are not currently specified for use. If industry participants would like to use these fields they should contact the Reserve Bank. Usage may be specified separately for different payment services.

An optional Settlement Time field is also included in the FSI. This field may be used in the future to allow participants to nominate that settlement is to occur at a particular time. This field should not be used at present.

4.6   Resent FSIs

An FSI sent as a new (perhaps corrected) version of a rejected FSI can repeat the Clearing File Reference used on the rejected FSI, but it must have a new Transaction Reference Number. The reason for this is that the new payment is likely to be a corrected version of the rejected payment in relation to the same clearing file. (In any case, RITS validation rules would reject a repeated Transaction Reference Number within the defined period.)

4.7   Optional Fields in the FSI

An optional field may be included or excluded from an FSI. If an optional field is included in an FSI but it contains no value, i.e. null, the FSI will be rejected. An example of a null field appearing in an FSI that would cause the FSI to be rejected is: <SttlmMtd></SttlmMtd>.

If no value is to be sent in an optional field, the optional field should not be included in the FSI. If an optional field is included, it must contain an allowable value. The FSI will be rejected if the value used is not an allowable value.

4.8   FSI Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FSI xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
    <TxId>NTHB27938764</TxId>
    <Vrsn>1.0</Vrsn>
  </Hdr>
  <ClrInf>
    <PmtSvc>BECN</PmtSvc>
    <PmtDt>2010-08-16</PmtDt>
    <ClrDesc>1000</ClrDesc>
    <ClrFileRef>DEDATA.FILENAME</ClrFileRef>
    <ClrDtls>content to be specified</ClrDtls>
    <InstgAgt>NTHB</InstgAgt>
    <InstdAgt>STHB</InstdAgt>
    <TtlCdtAmt>10632056.23</TtlCdtAmt>
    <NbOfCdtItms>1062</NbOfCdtItms>
    <TtlDbtAmt>1321457.85</TtlDbtAmt>
    <NbOfDbtItms>133</NbOfDbtItms>
  </ClrInf>
  <SttlmInf>
    <IntrBkSttlmDt>2010-08-17</IntrBkSttlmDt>
    <IntrBkSttlmAmt>9310598.38</IntrBkSttlmAmt>
    <Dbtr>NTHB</Dbtr>
    <Cdtr>STHB</Cdtr>
    <SttlmMtd>M</SttlmMtd>
    <SttlmDtls>content to be specified</SttlmDtls>
  </SttlmInf>
  <DbtrSttlmInf>
    <ESASts>P</ESASts>
    <CdtSts>P</CdtSts>
    <CshAcctSts>P</CshAcctSts>
  </DbtrSttlmInf>
</FSI>
```

4.9   FSI Message Structure Diagram

4.10   FSI Message Specifications

Content of File Settlement Instruction					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Transaction Reference Number (TRN)	Hdr/TxId	Max16AlphaNumericText	Identifier for the message assigned by the Originator. Up to 16 alphanumeric characters, case sensitive. Must start with the 4 character RITS mnemonic of the Originator.[2] Must be unique for Originator within 16 calendar days.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	LVSS Schema version. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Payment Service	ClrInf/PmtSvc	Max4Text	The APCA clearing system, or other payment service, under which the underlying payments were cleared. Acceptable values will be advised to members (e.g. APCS, BECS). 4 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.	M	1
Payment Date	ClrInf/PmtDt	ISODate	Date on which clearing items are to be processed to customers accounts by the receiving institution. This field is used in conjunction with the Settlement Date to determine clearing system interest for eligible transactions. Date format: YYYY-MM-DD. Must be a business date (Mon-Fri) when clearing can take place. Does not have to be a date when RITS is open for settlement.	M	1

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[2] In order to ensure that TRNs are unique across the system, and not only for the Originator, it is a requirement for a TRN to start with the RITS mnemonic of the Originator. (Otherwise, it would be technically possible for a Counterparty to receive AIF messages for two separate FSIs that have identical TRNs.)

Content of File Settlement Instruction					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Clearing Description	ClrInf/ClrDesc	Max16Text	Identifies the underlying clearing activity to which the FSI relates. Usage to be determined in consultation with the industry, but will mandatory in FSIs. Does not need to be unique. This field is for user reconciliation only and is not validated by or used in RITS. It is available in RITS enquiry screens and is included in LVSS advices and responses. Up to 12 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.	M	1
Clearing File Reference	ClrInf/ClrFileRef	Max70Text	Identifies the underlying clearing file to which an FSI relates (e.g. the destination file name). Does not need to be unique. Field is omitted if there is no clearing file related to the FSI. This field is for user reconciliation only and is not validated by or used in RITS. It is not available in RITS enquiry screens but is included in LVSS advices and responses. Up to 70 text characters (i.e. alphanumeric and special characters are permitted), not case sensitive.	O	1
Clearing Details	ClrInf/ClrDtls	Max70Text	This field is provided in the FSI structure for future usage, to be determined in consultation with the industry. Its content is not currently specified. It is an optional field in the XML Schema. This field is not validated by or used in RITS. It is not available in RITS enquiry screens or reports but is included in LVSS advices and responses. Up to 70 text characters (i.e. alphanumeric and special characters are permitted), not case sensitive.	O	1

Content of File Settlement Instruction					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Originator ID	ClrInf/InstgAgt	Exact4AlphaNumericText	RITS mnemonic of the party initiating the FSI. This must be the code of the clearing participant, not any courier or agent that it may use for processing or delivery of clearing files or FSIs. 4 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.	M	1
Counterparty ID	ClrInf/InstdAgt	Exact4AlphaNumericText	RITS mnemonic of the counterparty for the FSI. This must be the code of the clearing participant, not any courier or agent that it may use for processing or receipt of clearing files or LVSS messages. 4 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.	M	1
Credit Items Value	ClrInf/TtlCdtAmt	ImpliedCurrencyAndAmount	Sum of value of credit items to which the settlement instruction relates. Up to 10 numeric characters plus up to 2 decimal places (i.e. up to 9,999,999,999.99). Decimal places do not need to be filled (i.e. 15.9 is acceptable for 15.90, and 137 is acceptable for 137.00). No positive or negative signs. Populated with zero (0) where the underlying clearing activity does not include credit items.	M	1
Credit Items Number	ClrInf/NbOfCdtItms	Max15NumericText	Number of underlying credit items to which the settlement instruction relates. Up to 9 numeric characters (i.e. up to 999,999,999). Populated with zero (0) where the underlying clearing activity does not include credit items.	M	1

Content of File Settlement Instruction					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Debit Items Value	ClrInf/TtlDbtAmt	ImpliedCurrencyAndAmount	Sum of value of debit items to which the settlement instruction relates.	M	1
			Up to 10 numeric characters plus up to 2 decimal places (i.e. up to 9,999,999,999.99). Decimal places do not need to be filled (i.e. 15.9 is acceptable for 15.90, and 137 is acceptable for 137.00). No positive or negative signs.		
			Populated with zero (0) where the underlying clearing activity does not include debit items.		
Debit Items Number	ClrInf/NbOfDbtItms	Max15NumericText	Number of underlying debit items to which the settlement instruction relates.	M	1
			Up to 9 numeric characters (i.e. up to 999,999,999).		
			Populated with zero (0) where the underlying clearing activity does not include debit items.		
Settlement Date	SttlmInf/IntrBkSttlmDt	ISODate	Date on which settlement in RITS is to occur.	M	1
			Date format: YYYY-MM-DD.		
			Must be a date when RITS is open for settlement. Can be a future settlement date, up to 5 days in advance of the date the FSI is sent.		
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	This field is provided in the FSI structure for future usage. It may be used to indicate a nominated settlement time.	O	1
			Time format: HH:MM:SS, 24-hour clock.		
			This field should not be used.		
Settlement Amount	SttlmInf/IntrBkSttlmAmt	ImpliedCurrencyAndAmount	Value of amount to be settled.	M	1
			Up to 10 numeric characters plus up to 2 decimal places (i.e. up to 9,999,999,999.99). Decimal places do not need to be filled (i.e. 15.9 is acceptable for 15.90, and 137 is acceptable for 137.00). No positive or negative signs.		
			A settlement amount of zero (0) is allowed.		

Content of File Settlement Instruction					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	RITS mnemonic of the party whose ESA will be debited in settlement of the FSI. 4 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses. Must not be same as Payee ID. Must be identical to either Originator ID or Counterparty ID.	M	1
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	RITS mnemonic of the party whose ESA will be credited in settlement of the FSI. 4 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses. Must not be same as Payer ID. Must be identical to either Originator ID or Counterparty ID.	M	1
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	Indicates whether the FSI will be available for multilateral offset in RITS or will be settled as an individual transaction. Single alphabetic character, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses. Allowable values if present: I, i (individual), M, m (multilateral).	O	1
Settlement Details	SttlmInf/SttlmDtls	Max70Text	This field is provided in the FSI structure for future usage, to be determined in consultation with the industry. Its content is not currently specified. It is an optional field in the XML Schema. This field is not validated by or used in RITS. It is not available in RITS enquiry screens or reports but is included in LVSS advices and responses. Up to 70 text characters (i.e. alphanumeric and special characters are permitted), not case sensitive.	O	1

Content of File Settlement Instruction					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
ESA Status	DbtrSttlmInf/ESASts	Exact1AlphaNumericText	ESA Status to be applied to the FSI.	O	1
			Only used by RITS where Originator ID = Payer ID, and optional for those instructions.		
			FSIs containing this field where Originator ID = Payee ID will not be rejected, but the value will be ignored.		
			Single alphabetic character, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.		
			Allowable values if present: A, a, P, p, D, d.		
Credit Status	DbtrSttlmInf/CdtSts	Exact1AlphaNumericText	Credit Status to be applied to the FSI.	O	1
			Only used by RITS where Originator ID = Payer ID, and optional for those instructions.		
			FSIs containing this field where Originator ID = Payee ID will not be rejected, but the value will be ignored.		
			Single alphabetic character, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.		
			Allowable values if present: A, a, P, p, D, d.		
Cash Account Status	DbtrSttlmInf/CshAcctSts	Exact1AlphaNumericText	Cash Account Status to be applied to the FSI.	O	1
			Only used by RITS where Originator ID = Payer ID, and optional for those instructions.		
			FSIs containing this field where Originator ID = Payee ID will not be rejected, but the value will be ignored.		
			Single alphabetic character, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.		
			Allowable values if present: A, a, P, p, D, d.		

5. FSI Response 'S' - Settled

5.1 FSRS Message Purpose

This response is sent following successful settlement of an FSI. RITS creates it when the FSI settles, so the time stamp indicated in the message is the time at which settlement occurred. An FSR Settled response may be sent to the Originator and to the Counterparty if they have selected it.

This message also includes some business content that would appear in the equivalent AIF Post-Settlement Advice (cash account and ESA balance details). RITS supplies details relevant to the Originator on their response message, and details relevant to the Counterparty on their response message.

5.2   FSRS Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
- <FSRSettled xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  - <Hdr>
      <MessageId>L0004509</MessageId>
      <Vrsn>1.0</Vrsn>
    </Hdr>
  - <FSIInf>
      <TxId>NTHB27938764</TxId>
    </FSIInf>
    <ResponseType>SETTLED</ResponseType>
  - <ResponseDtls>
      <Date>2010-08-17</Date>
      <Time>09:00:06</Time>
    </ResponseDtls>
  - <ClrInf>
      <PmtSvc>BECN</PmtSvc>
      <PmtDt>2010-08-16</PmtDt>
      <ClrDesc>1000</ClrDesc>
      <ClrFileRef>DEDATA.FILENAME</ClrFileRef>
      <ClrDtls>content to be specified</ClrDtls>
      <InstgAgt>NTHB</InstgAgt>
      <InstdAgt>STHB</InstdAgt>
      <TtlCdtAmt>10632056.23</TtlCdtAmt>
      <NbOfCdtItms>1062</NbOfCdtItms>
      <TtlDbtAmt>1321457.85</TtlDbtAmt>
      <NbOfDbtItms>133</NbOfDbtItms>
    </ClrInf>
  - <SttlmInf>
      <IntrBkSttlmDt>2010-08-17</IntrBkSttlmDt>
      <IntrBkSttlmAmt>9310598.38</IntrBkSttlmAmt>
      <Dbtr>NTHB</Dbtr>
      <Cdtr>STHB</Cdtr>
      <SttlmMtd>M</SttlmMtd>
      <SttlmDtls>content to be specified</SttlmDtls>
    </SttlmInf>
  - <SttldInf>
      <CshAcct>124-001-NTHBLC</CshAcct>
      <CshAcctBal>-1236412.10</CshAcctBal>
      <ESABal>9999957.78</ESABal>
    </SttldInf>
  </FSRSettled>
```

5.3   FSRS Message Structure Diagram

5.4   FSRS Message Specifications

Content of File Settlement Response – Settled					
Business Element	**XML Element**	**XML Data type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Unique number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FSR. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI to which this response relates, ie the TRN assigned by the Originator. Up to 16 alphanumeric characters, case sensitive.	M	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 alphanumeric characters, upper case. Allowable value: SETTLED.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which the related FSI was settled. Date Format: YYYY-MM-DD.	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which settlement occurred. Time format: HH:MM:SS, 24-hour clock.	M	1
Payment Service	ClrInf/PmtSvc	Max4Text	As recorded in the original FSI.	M	1
Payment Date	ClrInf/PmtDt	ISODate	As recorded in the original FSI.	M	1
Clearing Description	ClrInf/ClrDesc	Max16Text	As recorded in the original FSI.	M	1
Clearing File Reference	ClrInf/ClrFileRef	Max70Text	As recorded in the original FSI, if included.	O	1
Clearing Details	ClrInf/ClrDtls	Max70Text	As recorded in the original FSI, if included. Use is not presently specified.	O	1
Originator ID	ClrInf/InstgAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1

Content of File Settlement Response – Settled					
Business Element	**XML Element**	**XML Data type**	**Description and Business Parameters**	**M/O**	**Mul**
Counterparty ID	ClrInf/InstdAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Credit Items Value	ClrInf/TtlCdtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Credit Items Number	ClrInf/NbOfCdtItms	Max15NumericText	As recorded in the original FSI.	M	1
Debit Items Value	ClrInf/TtlDbtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Debit Items Number	ClrInf/NbOfDbtItms	Max15NumericText	As recorded in the original FSI.	M	1
Settlement Date	SttlmInf/IntrBkSttlmDt	ISODate	As recorded in the original FSI. Date format: YYYY-MM-DD.	M	1
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	As recorded in the original FSI, if included. Not currently used.	O	1
Settlement Amount	SttlmInf/IntrBkSttlmAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	The LVSS Settlement Method by which the FSI settled. (Note that this is not the LVSS Settlement Method in the original FSI, as that value is optional and may be changed subsequently on entry to the Queue, or whilst queued.) Single alphabetic character, upper case. Allowable values: I, M. Although this field is optional in the XML Schema, RITS will always populate this field in this Response.	O	1
Settlement Details	SttlmInf/SttlmDtls	Max70Text	As recorded in the original FSI, if included. Use is not presently specified.	O	1
Cash Account	SttldInf/CshAcct	Max20Text	The RITS Cash Account to which the Cash Element of the transaction was posted. Up to 20 text characters, upper case. Each party to the transaction will receive information about their own account.	M	1

Content of File Settlement Response – Settled

Business Element	XML Element	XML Data type	Description and Business Parameters	M/O	Mul
Resulting Cash Account Balance	SttldInf/CshAcctBal	ImpliedCurrencyAndAmount	The balance of the RITS Cash Account to which the Cash Element of the transaction was posted following settlement of the transaction (where multilateral settlement is used, this will be the balance after settlement of all transactions in the Multilateral Group). The amount can be negative. Positive or negative indicator followed by up to 12 numeric characters plus up to 2 decimal places (i.e. up to 999,999,999,999.99). Each party to the transaction will receive information about their own account.	M	1
Resulting ESA Balance	SttldInf/ESABal	ImpliedCurrencyAndAmount	The balance of the ES Account to which the interbank Cash Element of the transaction was posted following settlement of the transaction (where multilateral settlement is used, this will be the balance after settlement of all transactions in the Multilateral Group). Positive or negative indicator followed by up to 12 numeric characters plus up to 2 decimal places (i.e. up to 999,999,999,999.99). Each party to the transaction will receive information about their own account.	M	1

6.   FSI Response 'U1' - Rejected

6.1   FSRU1 Message Purpose

This response is sent by RITS when an FSI has failed validation, that is, when the FSI did not comply with the FSI schema definition or RITS business requirements.   Rejection may occur in relation to technical validations (fields all present and complete and of the correct XML data type) or business validations (to do with field content, e.g. an invalid settlement date, repeated TRN, etc.).

This message is created immediately after the FSI validation attempt failed.   The time stamp indicated in the message is the time recorded in the RITS database as the time at which the FSI failed validation.

This mandatory response is always sent to the party that sent the FSI to RITS.

6.2   FSRU1 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FSRRejected xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
    <MessageId>L0004109</MessageId>
    <Vrsn>1.0</Vrsn>
  </Hdr>
  <FSIInf>
    <TxId>NTHB27938764</TxId>
  </FSIInf>
  <ResponseType>REJECTED</ResponseType>
  <ResponseDtls>
    <Date>2010-08-16</Date>
    <Time>10:07:32</Time>
  </ResponseDtls>
  <RejectDtls>
    <Code>74</Code>
    <Desc>Duplicate TRN (for this date)</Desc>
  </RejectDtls>
  <FSIFileName>FSI.NTHB.04305089.XML</FSIFileName>
  <FSIRecv>
    <Date>2010-08-16</Date>
    <Time>10:07:11</Time>
  </FSIRecv>
</FSRRejected>
```

6.3   FSRU1 Message Structure Diagram

6.4　　　FSRU1 Message Specifications

Content of File Settlement Response – Rejected					
Business Element	**XML Element**	**XML Data type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FSR. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI to which this Response relates, i.e. the TRN assigned by the Originator. Up to 16 alphanumeric characters, case sensitive. Note: This field is optional in this message because if the FSI was rejected due to a missing TRN, a TRN cannot be supplied in the response. RITS will always populate this field in this response if it is available.	O	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 characters alphanumeric, upper case. Allowable value: REJECTED.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which the related FSI failed validation and was given a status of rejected. Date format: YYYY-MM-DD	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which the related FSI failed validation and was given a status of rejected. Time format: HH:MM:SS, 24-hour clock.	M	1
Reject Code	RejectDtls/Code	Max4Text	Code indicating the reason why the FSI was rejected. Refer to the Appendix 1 for a list of error codes and descriptions. 2 numeric characters.	M	1

Content of File Settlement Response – Rejected					
Business Element	**XML Element**	**XML Data type**	**Description and Business Parameters**	**M/O**	**Mul**
Reject Description	RejectDtls/Desc	Max140Text	Description in words of the reject reason. Refer to the Appendix 1 for a list of error codes and descriptions. Up to 140 text characters (i.e. upper and lower case alphabetic, numeric and special characters).	M	1
FSI File Name	FSIFileName	Max70Text	The name of the file in which the rejected FSI was contained (to assist with identification by the sender/originator). Up to 70 text characters (i.e. upper and lower case alphabetic, numeric and special characters).	M	1
FSI Receive Date	FSIRecv/Date	ISODate	Date on which the FSI was received by RITS. Date format: YYYY-MM-DD.	M	1
FSI Receive Time	FSIRecv/Time	ISOTime	Time at which the FSI was received by RITS. Time format: HH:MM:SS, 24-hour clock.	M	1

7.   FSI Response 'U2' - Recalled

7.1   FSRU2 Message Purpose

This response is sent by RITS when an FSI can not be settled because it has been successfully recalled from RITS. A recall may results in two separate LVSS messages - this 'unsuccessful because recalled' response to the FSI and a separate 'successfully recalled' response to the recall instruction (FRI). This message is created immediately after RITS actions the recall instruction. The time stamp indicated in the message is the time recorded in the RITS database as the time at which the transaction was recalled. This response may be sent to both the Originator and Counterparty if they have selected it.

7.2   FSRU2 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FSRRecalled xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
    <MessageId>L0004202</MessageId>
    <Vrsn>1.0</Vrsn>
  </Hdr>
  <FSIInf>
    <TxId>NTHB27938764</TxId>
  </FSIInf>
  <ResponseType>RECALLED</ResponseType>
  <ResponseDtls>
    <Date>2010-08-17</Date>
    <Time>08:09:32</Time>
  </ResponseDtls>
  <ClrInf>
    <PmtSvc>BECN</PmtSvc>
    <PmtDt>2010-08-16</PmtDt>
    <ClrDesc>1000</ClrDesc>
    <ClrFileRef>DEDATA.FILENAME</ClrFileRef>
    <ClrDtls>content to be specified</ClrDtls>
    <InstgAgt>NTHB</InstgAgt>
    <InstdAgt>STHB</InstdAgt>
    <TtlCdtAmt>10632056.23</TtlCdtAmt>
    <NbOfCdtItms>1062</NbOfCdtItms>
    <TtlDbtAmt>1321457.85</TtlDbtAmt>
    <NbOfDbtItms>133</NbOfDbtItms>
  </ClrInf>
  <SttlmInf>
    <IntrBkSttlmDt>2010-08-17</IntrBkSttlmDt>
    <IntrBkSttlmAmt>9310598.38</IntrBkSttlmAmt>
    <Dbtr>NTHB</Dbtr>
    <Cdtr>STHB</Cdtr>
    <SttlmMtd>M</SttlmMtd>
    <SttlmDtls>content to be specified</SttlmDtls>
  </SttlmInf>
</FSRRecalled>
```

7.3   FSRU2 Message Structure Diagram

7.4   FSRU2 Message Specifications

Content of File Settlement Response - Recalled					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FSR. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI to which this Response relates, i.e. the TRN assigned by the Originator. Up to 16 alphanumeric characters, case sensitive.	M	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 alphanumeric characters, upper case. Allowable value: RECALLED.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which the related FSI was recalled from RITS. Date format: YYYY-MM-DD.	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which the related FSI was recalled from RITS. Time format: HH:MM:SS, 24-hour clock.	M	1
Payment Service	ClrInf/PmtSvc	Max4Text	As recorded in the original FSI.	M	1
Payment Date	ClrInf/PmtDt	ISODate	As recorded in the original FSI.	M	1
Clearing Description	ClrInf/ClrDesc	Max16Text	As recorded in the original FSI.	M	1
Clearing File Reference	ClrInf/ClrFileRef	Max70Text	As recorded in the original FSI, if included.	O	1
Clearing Details	ClrInf/ClrDtls	Max70Text	As recorded in the original FSI, if included.	O	1
Originator ID	ClrInf/InstgAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Counterparty ID	ClrInf/InstdAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Credit Items Value	ClrInf/TtlCdtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1

Content of File Settlement Response - Recalled					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Credit Items Number	ClrInf/NbOfCdtItms	Max15NumericText	As recorded in the original FSI.	M	1
Debit Items Value	ClrInf/TtlDbtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Debit Items Number	ClrInf/NbrOfDbtItms	Max15NumericText	As recorded in the original FSI.	M	1
Settlement Date	SttlmInf/IntrBkSttlmDt	ISODate	As recorded in the original FSI. Date format: YYYY-MM-DD.	M	1
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	As recorded in the original FSI, if included. Not currently used.	O	1
Settlement Amount	SttlmInf/IntrBkSttlmAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	The LVSS Settlement Method that the FSI had when it was recalled (which may be different to the LVSS Settlement Method in the original FSI.) Single character alphabetic, upper case. Allowable values if present: I, M. Although this field is optional in the XML Schema, RITS will always populate this field in this Response if it exists (FSIs may have no LVSS Settlement Method prior to being placed on the RITS Queue).	O	1
Settlement Details	SttlmInf/SttlmDtls	Max70Text	As recorded in the original FSI, if included.	O	1

8. FSI Response 'U3' – Unsettled at EOD

8.1 FSRU3 Message Purpose

This response is sent by RITS when an FSI remains unsettled on the RITS System Queue at the end of the RITS processing day. This will be at the end of the Settlement Close Session if the FSI is not evening eligible, and will be the end of the Evening Settlement Session of the FSI is evening eligible. This message is created immediately after the transaction is removed from the Queue. The time stamp indicated is the time recorded in the RITS database as the time at which the transaction was removed as unsettled at end of day. This response may be sent to both the Originator and Counterparty if they have selected it.

8.2 FSRU3 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FSRUnsettledEOD xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
     <MessageId>L0003141</MessageId>
     <Vrsn>1.0</Vrsn>
  </Hdr>
  <FSIInf>
     <TxId>NTHB27938764</TxId>
  </FSIInf>
  <ResponseType>UNSETTLEDEOD</ResponseType>
  <ResponseDtls>
     <Date>2010-08-17</Date>
     <Time>18:30:10</Time>
  </ResponseDtls>
  <ClrInf>
     <PmtSvc>BECN</PmtSvc>
     <PmtDt>2010-08-16</PmtDt>
     <ClrDesc>1000</ClrDesc>
     <ClrFileRef>DEDATA.FILENAME</ClrFileRef>
     <ClrDtls>content to be specified</ClrDtls>
     <InstgAgt>NTHB</InstgAgt>
     <InstdAgt>STHB</InstdAgt>
     <TtlCdtAmt>10632056.23</TtlCdtAmt>
     <NbOfCdtItms>1062</NbOfCdtItms>
     <TtlDbtAmt>1321457.85</TtlDbtAmt>
     <NbOfDbtItms>133</NbOfDbtItms>
  </ClrInf>
  <SttlmInf>
     <IntrBkSttlmDt>2010-08-17</IntrBkSttlmDt>
     <IntrBkSttlmAmt>9310598.38</IntrBkSttlmAmt>
     <Dbtr>NTHB</Dbtr>
     <Cdtr>STHB</Cdtr>
     <SttlmMtd>M</SttlmMtd>
     <SttlmDtls>content to be specified</SttlmDtls>
  </SttlmInf>
</FSRUnsettledEOD>
```

8.3   FSRU3 Message Structure Diagram
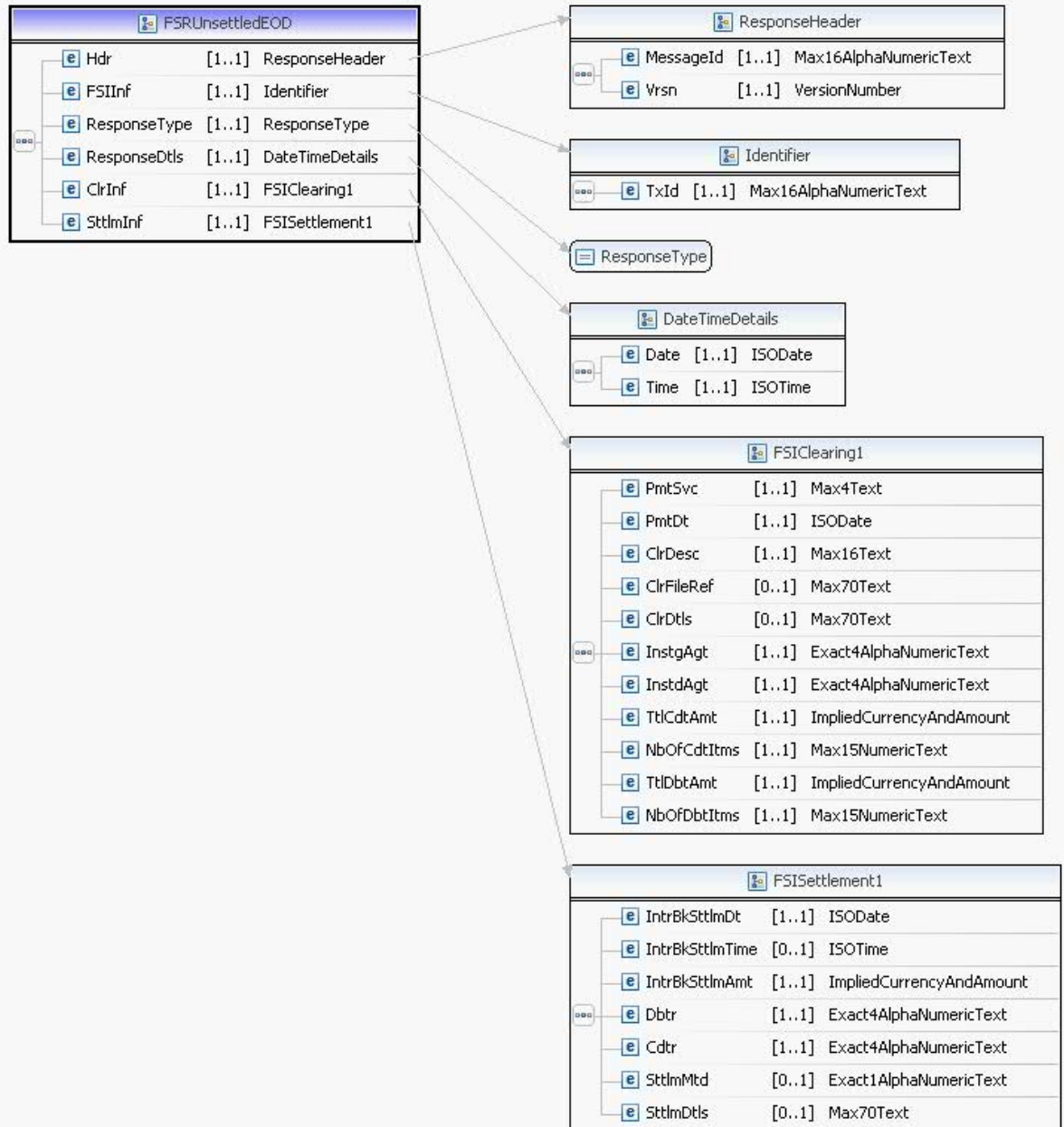
8.4   FSRU3 Message Specifications

Content of File Settlement Response - UnsettledEOD					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FSR. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI to which this Response relates. Up to 16 alphanumeric characters, case sensitive.	M	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 alphanumeric characters, upper case. Allowable value: UNSETTLEDEOD.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which the related FSI was removed from the Queue as unsettled at end of day. Date format: YYYY-MM-DD.	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which the related FSI was removed from the Queue as unsettled at end of day. Time format: HH:MM:SS, 24-hour clock.	M	1
Payment Service	ClrInf/PmtSvc	Max4Text	As recorded in the original FSI.	M	1
Payment Date	ClrInf/PmtDt	ISODate	As recorded in the original FSI.	M	1
Clearing Description	ClrInf/ClrDesc	Max16Text	As recorded in the original FSI.	M	1
Clearing File Reference	ClrInf/ClrFileRef	Max70Text	As recorded in the original FSI, if included.	O	1
Clearing Details	ClrInf/ClrDtls	Max70Text	As recorded in the original FSI, if included.	O	1
Originator ID	ClrInf/InstgAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1

Content of File Settlement Response - UnsettledEOD

Business Element	XML Element	XML data type	Description and Business Parameters	M/O	Mul
Counterparty ID	ClrInf/InstdAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Credit Items Value	ClrInf/TtlCdtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Credit Items Number	ClrInf/NbOfCdtItms	Max15NumericText	As recorded in the original FSI.	M	1
Debit Items Value	ClrInf/TtlDbtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Debit Items Number	ClrInf/NbOfDbtItms	Max15NumericText	As recorded in the original FSI.	M	1
Settlement Date	SttlmInf/IntrBkSttlmDt	ISODate	As recorded in the original FSI. Date format: YYYY-MM-DD.	M	1
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	As recorded in the original FSI, if included. Not currently used.	O	1
Settlement Amount	SttlmInf/IntrBkSttlmAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	The LVSS Settlement Method that the FSI had when it was removed from the Queue as unsettled at end of day. Single alphabetic character, upper case. Allowable values: I, M. RITS will always populate this field in this Response.	O	1
Settlement Details	SttlmInf/SttlmDtls	Max70Text	As recorded in the original FSI, if included.	O	1

9.   File Recall Instruction (FRI)

9.1   FRI Message Purpose

An FRI may be used to recall an FSI from RITS. FSIs sent as future-dated FSIs may be recalled prior to, or on, settlement date. Only the Originator of an FSI can recall that FSI.

If an FRI does not pass validation, it is rejected. If an FRI passes validation but no target FSI is found (i.e. because the FSI did not exist, it has already settled, or it has already been recalled), then the FRI is failed.

9.2   FRI Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FRI xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
    <Hdr>
        <TxId>NTHB27938804</TxId>
        <Vrsn>1.0</Vrsn>
    </Hdr>
    <FSIInf>
        <TxId>NTHB27938764</TxId>
    </FSIInf>
    <InstgAgt>NTHB</InstgAgt>
</FRI>
```

9.3   FRI Message Structure Diagram
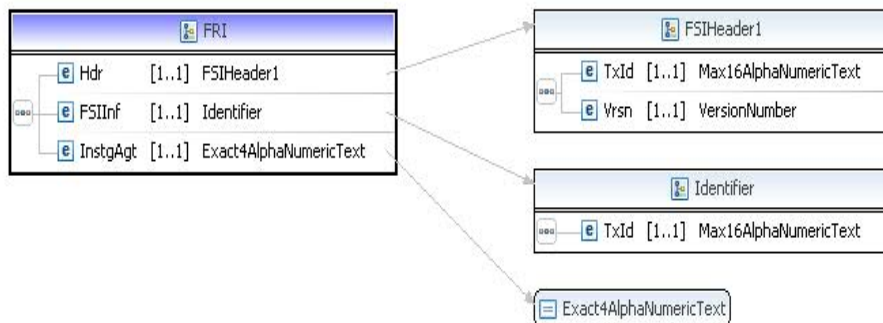
9.4   FRI Message Specifications

Content of File Recall Instruction					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Transaction Reference Number (TRN)	Hdr/TxID	Max16AlphaNumericText	Identifier for the message assigned by the Originator. Up to 16 alphanumeric characters, case sensitive. Must start with the 4 character RITS mnemonic of the Originator. Must be unique for Originator within 16 days.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	LVSS Schema version. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI which the FRI is targeting. Up to 16 alphanumeric characters, case sensitive.	M	1
Originator ID	InstgAgt	Exact4AlphaNumericText	RITS mnemonic of party initiating the Recall Instruction. This must be the code of the clearing participant, not any courier or agent that it may use for processing or delivery of clearing files or FRIs. 4 alphanumeric characters, not case sensitive. Lower case letters will be converted to upper case in RITS screens and reports and for LVSS advices and responses.	M	1

10.   FRI Response 'S' – Recalled

10.1   FRRS Message Purpose

This response is sent following the successful recall of a settlement instruction initiated by a File Recall Instruction (FRI). This response is created immediately after the FRI was successfully actioned in RITS. The time stamp indicated is the time recorded in the RITS database as the time the target transaction was recalled. This response is only sent to the Originator if they have selected it.

10.2   FRRS Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
- <FRRRecalled xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  - <Hdr>
      <MessageId>L0003552</MessageId>
      <Vrsn>1.0</Vrsn>
    </Hdr>
  - <FRIInf>
      <TxId>NTHB27938804</TxId>
    </FRIInf>
    <ResponseType>RECALLED</ResponseType>
  - <ResponseDtls>
      <Date>2010-08-17</Date>
      <Time>07:46:32</Time>
    </ResponseDtls>
  </FRRRecalled>
```

10.3   FRRS Message Structure Diagram
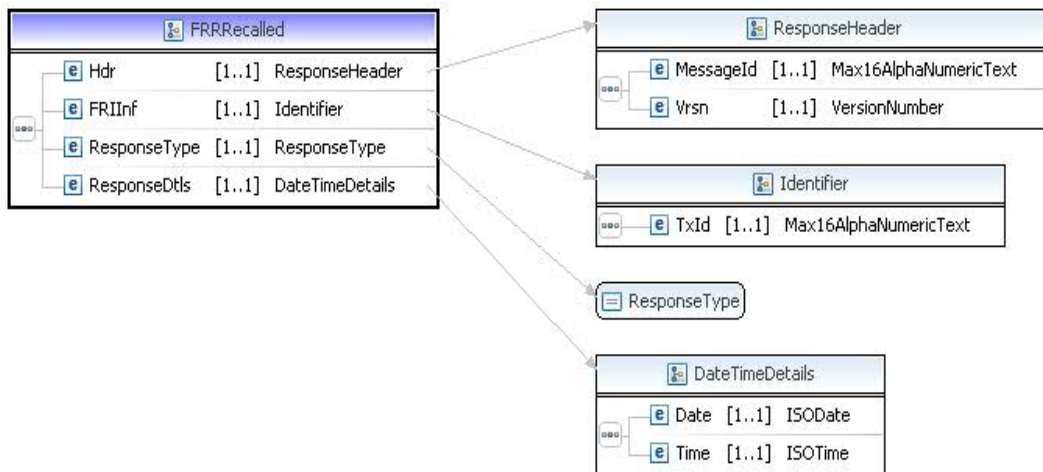
10.4   FRRS Message Specifications

Content of File Recall Response - Recalled					
Business Element	**XML Element**	**XML data type**	**Description**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FRI. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FRIInf/TxId	Max16AlphaNumericText	The TRN of the FRI to which this response relates. Up to 16 alphanumeric characters, case sensitive.	M	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 alphanumeric characters, upper case. Allowable value: RECALLED.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which the related FSI was recalled from RITS. Date format: YYYY-MM-DD.	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which the related FSI was recalled from RITS. Time format: HH:MM:SS, 24-hour clock.	M	1

11.   FRI Response 'U1' – Rejected

11.1   FRRU1 Message Purpose

This message is sent by RITS when an FRI has failed validation. This message is created immediately after the FRI validation attempt fails. The time stamp indicated in the message is the time recorded in the RITS database as the time at which the FRI failed validation. This mandatory response is always sent to the party that sent the FSI to RITS.

11.2   FRRU1 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
- <FRRRejected xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  - <Hdr>
      <MessageId>L0003611</MessageId>
      <Vrsn>1.0</Vrsn>
    </Hdr>
  - <FRIInf>
      <TxId>NTHB27938804</TxId>
    </FRIInf>
    <ResponseType>REJECTED</ResponseType>
  - <ResponseDtls>
      <Date>2010-08-17</Date>
      <Time>07:46:32</Time>
    </ResponseDtls>
  - <RejectDtls>
      <Code>87</Code>
      <Desc>Does not meet message format standards</Desc>
    </RejectDtls>
    <FRIFileName>FRI.NTHB.13263936.XML</FRIFileName>
  - <FRIRecv>
      <Date>2010-08-17</Date>
      <Time>07:45:47</Time>
    </FRIRecv>
</FRRRejected>
```

11.3   FRRU1 Message Structure Diagram

11.4   FRRU1 Message Specifications

Content of File Recall Response - Rejected					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FRR. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FRIInf/TxId	Max16AlphaNumericText	The TRN of the FRI to which this response relates. Up to 16 alphanumeric characters, case sensitive. Note: This field is optional in this message because if the FRI was rejected due to a missing TRN, a TRN cannot be supplied in the response. RITS will always populate this field in this Response if it is available.	O	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 alphanumeric characters, upper case. Allowable value: REJECTED.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which the related FRI was validated and rejected by RITS. Date format: YYYY-MM-DD.	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which the related FRI was validated and rejected by RITS. Time format: HH:MM:SS, 24-hour clock.	M	1
Reject Code	RejectDtls/Code	Max4Text	Code indicating the reason why the FRI was rejected. Refer to the Appendix 1 for a list of error codes and descriptions. 2 numeric characters.	M	1

Content of File Recall Response - Rejected					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Reject Description	RejectDtls/Desc	Max140Text	Description in words of the reject reason. Refer to the Appendix 1 for a list of error codes and descriptions. Up to 140 text characters (i.e. upper and lower case alphabetic, numeric and special characters).	M	1
FRI File Name	FRIFileName	Max70Text	The name of the file in which the rejected FRI was contained (to assist with identification by the Sender/Originator). Up to 70 text characters (i.e. upper and lower case alphabetic, numeric and special characters).	M	1
FRI Receive Date	FRIRecv/Date	ISODate	Date on which the FRI was received by RITS. Date format: YYYY-MM-DD.	M	1
FRI Receive Time	FRIRecv/Time	ISOTime	Time at which the FRI was received by RITS. Time format: HH:MM:SS, 24-hour clock.	M	1

12.   FRI Response 'U2' – Failed

12.1   FRRU2 Message Purpose

This response is sent by RITS when an FRI did not successfully recall the settlement instruction from RITS. This message is created immediately after the recall attempt fails. The time stamp indicated in the message is the time recorded in the RITS database as the time at which the recall was attempted but failed. This response is only sent to the Originator if they have selected it.

This response does not cover validation processing failures, for which FRR U1 response (above) is sent.

12.2   FRRU2 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FRRFailed xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
    <MessageId>L0001194</MessageId>
    <Vrsn>1.0</Vrsn>
  </Hdr>
  <FRIInf>
    <TxId>NTHB27938804</TxId>
  </FRIInf>
  <ResponseType>FAILED</ResponseType>
  <ResponseDtls>
    <Date>2010-08-17</Date>
    <Time>09:27:52</Time>
  </ResponseDtls>
  <RejectDtls>
    <Code>72</Code>
    <Desc>Payment Order Settled</Desc>
  </RejectDtls>
</FRRFailed>
```

12.3   FRRU2 Message Structure Diagram
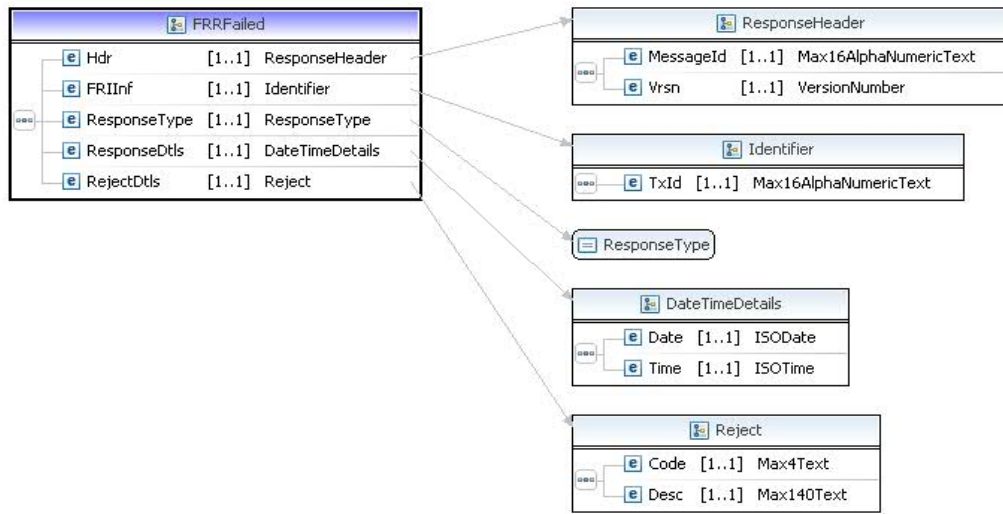
12.4   FRRU2 Message Specifications

Content of File Recall Response – Failed					
Business Element	**XML Element**	**XML data type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FRR. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FRIInf/TxId	Max16AlphaNumericText	The TRN of the FRI to which this response relates. Up to 16 alphanumeric characters, case sensitive.	M	1
Response Type	ResponseType	ResponseType	Identifies the type of response. Up to 12 alphanumeric characters, upper case. Allowable value: FAILED.	M	1
Response Date	ResponseDtls/Date	ISODate	Date on which RITS attempted to action the recall request and was unable to do so. Date format: YYYY-MM-DD.	M	1
Response Time	ResponseDtls/Time	ISOTime	Time at which RITS attempted to action the recall request and was unable to do so. Time format: HH:MM:SS, 24-hour clock.	M	1
Reject Code	RejectDtls/Code	Max4Text	Code indicating the reason why the FRI was not able to successfully recall the targeted FSI. Refer to the Appendix 1 for a list of error codes and descriptions. 2 numeric characters.	M	1
Reject Description	RejectDtls/Desc	Max140Text	Description in words of the reason for failure. Refer to the Appendix 1 for a list of error codes and descriptions. Up to 140 text characters (i.e. upper and lower case alphabetic, numeric and special characters).	M	1

13.   FSI Advice 1 – Accepted

13.1   FSA1 Message Purpose

This advice is sent by RITS when an FSI has been validated and accepted by RITS. This message is created immediately after settlement details of an FSI are recorded in RITS. The time stamp indicated in the message is the time recorded in the RITS database as the time at which the details were recorded. This advice is sent to the Originator and Counterparty if they have selected it. In particular, RITS Members may wish to receive this message to be advised of FSIs lodged by counterparties where they are the Payer.

13.2   FSA1 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FSAAccepted xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
    <MessageId>L0003609</MessageId>
    <Vrsn>1.0</Vrsn>
  </Hdr>
  <FSIInf>
    <TxId>NTHB27938764</TxId>
  </FSIInf>
  <AdviceType>ACCEPTED</AdviceType>
  <ResponseDtls>
    <Date>2010-08-16</Date>
    <Time>10:07:32</Time>
  </ResponseDtls>
  <ClrInf>
    <PmtSvc>BECN</PmtSvc>
    <PmtDt>2010-08-16</PmtDt>
    <ClrDesc>1000</ClrDesc>
    <ClrFileRef>DEDATA.FILENAME</ClrFileRef>
    <ClrDtls>content to be specified</ClrDtls>
    <InstgAgt>NTHB</InstgAgt>
    <InstdAgt>STHB</InstdAgt>
    <TtlCdtAmt>10632056.23</TtlCdtAmt>
    <NbOfCdtItms>1062</NbOfCdtItms>
    <TtlDbtAmt>132457.85</TtlDbtAmt>
    <NbOfDbtItms>133</NbOfDbtItms>
  </ClrInf>
  <SttlmInf>
    <IntrBkSttlmDt>2010-08-17</IntrBkSttlmDt>
    <IntrBkSttlmAmt>9310598.38</IntrBkSttlmAmt>
    <Dbtr>NTHB</Dbtr>
    <Cdtr>STHB</Cdtr>
    <SttlmMtd>M</SttlmMtd>
    <SttlmDtls>content to be specified</SttlmDtls>
  </SttlmInf>
</FSAAccepted>
```

13.3   FSA1 Message Structure Diagram
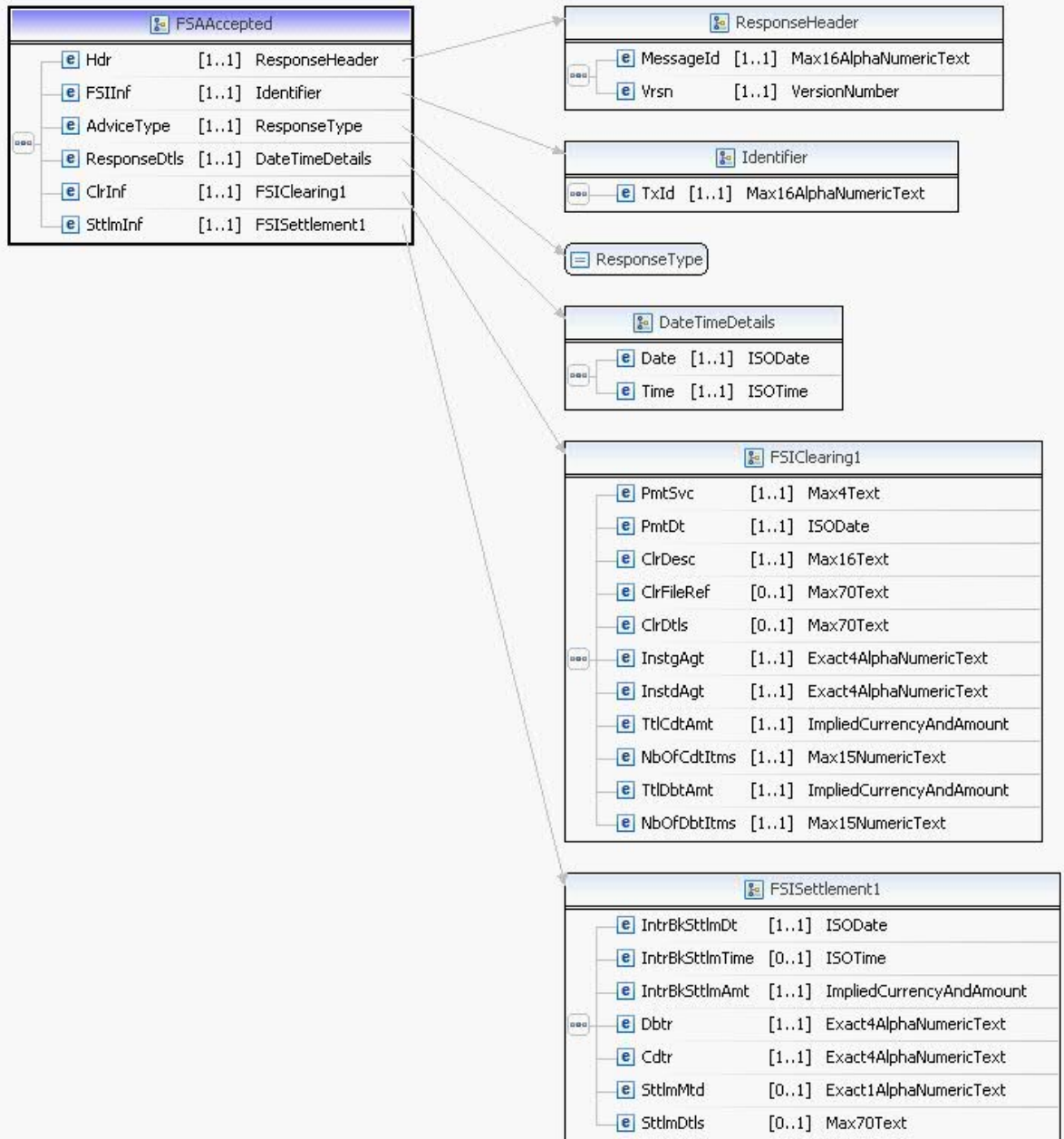
13.4   FSA1 Message Specifications

Content of File Settlement Advice - Accepted					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FSA. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI to which this advice relates. Up to 16 alphanumeric characters, case sensitive.	M	1
Advice Type	AdviceType	ResponseType	Identifies the type of advice. Up to 12 alphanumeric characters, upper case. Allowable value: ACCEPTED.	M	1
Advice Date	ResponseDtls/Date	ISODate	Date on which the related FSI was validated and recorded in RITS. Date format: YYYY-MM-DD.	M	1
Advice Time	ResponseDtls/Time	ISOTime	Time at which the related FSI was validated and recorded in RITS. Time format: HH:MM:SS, 24-hour clock.	M	1
Payment Service	ClrInf/PmtSvc	Max4Text	As recorded in the original FSI.	M	1
Payment Date	ClrInf/PmtDt	ISODate	As recorded in the original FSI.	M	1
Clearing Description	ClrInf/ClrDesc	Max16Text	As recorded in the original FSI.	M	1
Clearing File Reference	ClrInf/ClrFileRef	Max70Text	As recorded in the original FSI, if included.	O	1
Clearing Details	ClrInf/ClrDtls	Max70Text	As recorded in the original FSI, if included.	O	1
Originator ID	ClrInf/InstgAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1

Content of File Settlement Advice - Accepted					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Counterparty ID	ClrInf/InstdAgt	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Credit Items Value	ClrInf/TtlCdtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Credit Items Number	ClrInf/NbOfCdtItms	Max15NumericText	As recorded in the original FSI.	M	1
Debit Items Value	ClrInf/TtlDbtAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Debit Items Number	ClrInf/NbOfDbtItms	Max15NumericText	As recorded in the original FSI.	M	1
Settlement Date	SttlmInf/ IntrBkSttlmDt	ISODate	As recorded in the original FSI. Date format: YYYY-MM-DD.	M	1
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	As recorded in the original FSI, if included. Not currently used.	O	1
Settlement Amount	SttlmInf/IntrBkSttlmAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	As recorded in the original FSI, if included.	O	1
Settlement Details	SttlmInf/SttlmDtls	Max70Text	As recorded in the original FSI, if included.	O	1

14.   FSI Advice 2 – Changed SM (LVSS Settlement Method)

14.1   FSA2 Message Purpose

This advice is sent when the LVSS Settlement Method of an FSI is changed, either from Individual to Multilateral, or from Multilateral to Individual. LVSS Settlement Method could be changed, and this advice sent, more than once during the lifecycle of an FSI. A Member may wish to select this message so that it is advised of changes to the LVSS Settlement Method of queued FSIs by its counterparties, as the Payer controls the LVSS Settlement Method of queued FSIs, even if it was not the Originator.

This message is created immediately after the LVSS Settlement Method of a queued FSI is changed. The time stamp indicated in the message is the time recorded in the RITS database as the time at which the update was performed. This advice is sent to the Originator and Counterparty if they have selected it.

14.2   FSA2 Message Example

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<FSAChangedSM xmlns="urn:au:gov:rba:rits:lvss:xsd:LVSS">
  <Hdr>
     <MessageId>L0000990</MessageId>
     <Vrsn>1.0</Vrsn>
  </Hdr>
  <FSIInf>
     <TxId>BANK1888187</TxId>
  </FSIInf>
  <AdviceType>CHANGEDSM</AdviceType>
  <ResponseDtls>
     <Date>2010-08-17</Date>
     <Time>07:45:13</Time>
  </ResponseDtls>
  <SettlmInf>
     <IntrBkSttlmDt>2010-08-17</IntrBkSttlmDt>
     <IntrBkSttlmAmt>2605236.80</IntrBkSttlmAmt>
     <Dbtr>BANK</Dbtr>
     <Cdtr>STHB</Cdtr>
     <SttlmMtd>M</SttlmMtd>
     <SttlmDtls>content to be specified</SttlmDtls>
  </SettlmInf>
</FSAChangedSM>
```
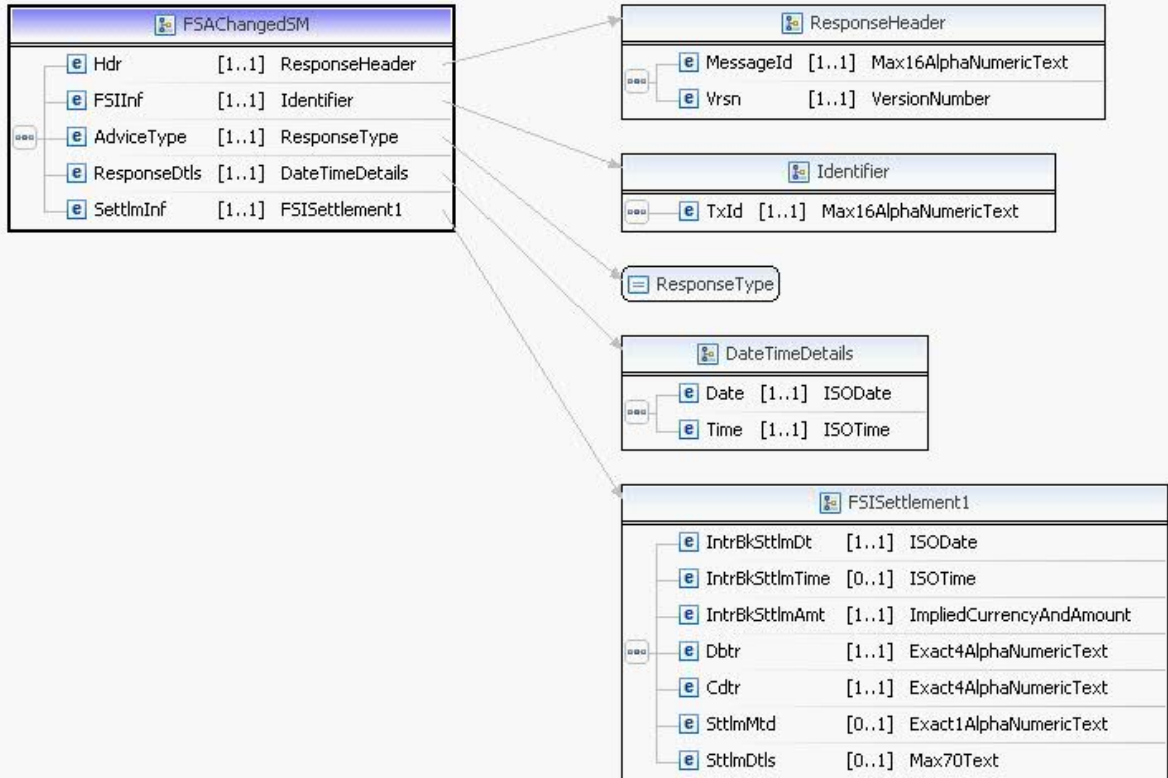
14.3   FSA2 Message Structure Diagram

14.4   FSA2 Message Specifications

Content of File Settlement Advice – Changed SM					
Business Element	**XML Element**	**XML Data Type**	**Description and Business Parameters**	**M/O**	**Mul**
Message ID	Hdr/MessageId	Max16AlphaNumericText	Identifier for message assigned by RITS. 8 alphanumeric characters. Sequential number, commencing with "L" followed by 7 numeric characters.	M	1
XML Schema Version	Hdr/Vrsn	VersionNumber	Identifies the version number of the XML schema used to create the FSA. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	M	1
Related Reference	FSIInf/TxId	Max16AlphaNumericText	The TRN of the FSI to which this Advice relates. Up to 16 alphanumeric characters, case sensitive.	M	1
Advice Type	AdviceType	ResponseType	Identifies the type of advice. Up to 12 alphanumeric characters, upper case. Allowable value: CHANGEDSM.	M	1
Advice Date	ResponseDtls/Date	ISODate	Date on which the update of the LVSS Settlement Method of the related FSI was actioned by the Queue. Date format: YYYY-MM-DD.	M	1
Advice Time	ResponseDtls/Time	ISOTime	Time at which the update of the LVSS Settlement Method of the related FSI was actioned by the Queue. Time format: HH:MM:SS, 24-hour clock.	M	1
Settlement Date	SttlmInf/IntrBkSttlmDt	ISODate	As recorded in the original FSI. Date format: YYYY-MM-DD.	M	1
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	As recorded in the original FSI, if included. Not currently used.	O	1
Settlement Amount	SttlmInf/ IntrBkSttlmAmt	ImpliedCurrencyAndAmount	As recorded in the original FSI.	M	1
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	As recorded in the original FSI.	M	1

Content of File Settlement Advice – Changed SM

Business Element	XML Element	XML Data Type	Description and Business Parameters	M/O	Mul
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	The new LVSS Settlement Method of the FSI. Single alphabetic character, upper case. Allowable values: I, M. Although this field is optional in the XML Schema, RITS will always populate this field in this advice.	O	1
Settlement Details	SttlmInf/SttlmDtls	Max70Text	As recorded in the original FSI, if included.	O	1

15.   Data Dictionary

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
Advice Date	ResponseDtls/Date	ISODate	Date format: YYYY-MM-DD.	FSA1 (Accepted) FSA2 (Changed SM)
Advice Time	ResponseDtls/Time	ISOTime	Time format: HH:MM:SS, 24-hour clock.	FSA1 (Accepted) FSA2 (Changed SM)
Advice Type	AdviceType	ResponseType	Up to 12 alphanumeric characters, upper case. Allowable values: ACCEPTED and CHANGEDSM.	FSA1 (Accepted) FSA2 (Changed SM)
Cash Account	SttldInf/CshAcct	Max20Text	Up to 20 text characters, upper case.	FSRS (Settled)
Cash Account Status	DbtrSttlmInf/CshAcctSts	Exact1AlphaNumericText	Single alphabetic character, not case sensitive. Allowable values in FSI: A, a, P, p, D, d. Allowable values in FSA2: A, P, D.	FSI
Clearing Description	ClrInf/ClrDesc	Max16Text	Up to 12 alphanumeric characters, not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Clearing Details	ClrInf/ClrDtls	Max70Text	Up to 70 text characters (i.e. alphanumeric and special characters are permitted), not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Clearing File Reference	ClrInf/ClrFileRef	Max70Text	Up to 70 text characters (i.e. alphanumeric and special characters are permitted), not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
Counterparty ID	ClrInf/InstdAgt	Exact4AlphaNumericText	4 alphanumeric characters, not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Credit Items Number	ClrInf/NbOfCdtItms	Max15NumericText	Up to 9 numeric characters (i.e. up to 999,999,999).	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Credit Items Value	ClrInf/TtlCdtAmt	ImpliedCurrencyAndAmount	Up to 10 numeric characters plus up to 2 decimal places (i.e. up to 9,999,999,999.99). Decimal places do not need to be filled (i.e. 15.9 is acceptable for 15.90, and 137 is acceptable for 137.00). No positive or negative signs.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Credit Status	DbtrSttlmInf/CdtSts	Exact1AlphaNumericText	Single alphabetic character, not case sensitive. Allowable values in FSI: A, a, P, p, D, d. Allowable values in FSA2: A, P, D.	FSI
Debit Items Number	ClrInf/NbOfDbtItms	Max15NumericText	Up to 9 numeric characters (i.e. up to 999,999,999).	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Debit Items Value	ClrInf/TtlDbtAmt	ImpliedCurrencyAndAmount	Up to 10 numeric characters plus up to 2 decimal places (i.e. up to 9,999,999,999.99). Decimal places do not need to be filled (i.e. 15.9 is acceptable for 15.90, and 137 is acceptable for 137.00). No positive or negative signs.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
ESA Status	DbtrSttlmInf/ESASts	Exact1AlphaNumericText	Single alphabetic character, not case sensitive. Allowable values in FSI: A, a, P, p, D, d. Allowable values in FSA2: A, P, D.	FSI
FRI File Name	FRIFileName	Max70Text	Up to 70 text characters (i.e. alphanumeric and special characters are permitted).	FRRU1 (Rejected)
FRI Receive Date	FRIRecv/Date	ISODate	Date format: YYYY-MM-DD.	FRRU1 (Rejected)
FRI Receive Time	FRIRecv/Time	ISOTime	Time format: HH:MM:SS, 24-hour clock.	FRRU1 (Rejected)
FSI File Name	FSIFileName	Max70Text	Up to 70 text characters (i.e. upper and lower case alphabetic, numeric, and special characters)	FSRU1 (Rejected)
FSI Receive Date	FSIRecv/Date	ISODate	Date format: YYYY-MM-DD.	FSRU1 (Rejected)
FSI Receive Time	FSIRecv/Time	ISOTime	Time format: HH:MM:SS, 24-hour clock.	FSRU1 (Rejected)
LVSS Settlement Method	SttlmInf/SttlmMtd	Exact1AlphaNumericText	Single alphabetic character, not case sensitive. Allowable values in FSI: I, i, M, m. Allowable values in advices and responses: I, M.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)
Message ID	Hdr/MessageId	Max16AlphaNumericText	8 alphanumeric characters. Unique number, commencing with "L" followed by 7 numeric characters.	FSRS (Settled) FSRU1 (Rejected) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRRS (Recalled) FRRU1 (Rejected) FRRU2 (Failed) FSA1 (Accepted) FSA2 (Changed SM)

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
Originator ID	ClrInf/InstgAgt	Exact4AlphaNumericText	4 alphanumeric characters, not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRI FSA1 (Accepted)
Payee ID	SttlmInf/Cdtr	Exact4AlphaNumericText	4 alphanumeric characters, not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)
Payer ID	SttlmInf/Dbtr	Exact4AlphaNumericText	4 alphanumeric characters, not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)
Payment Date	ClrInf/PmtDt	ISODate	Date format: YYYY-MM-DD.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Payment Service	ClrInf/PmtSvc	Max4Text	4 alphanumeric characters, not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted)
Reject Code	RejectDtls/Code	Max4Text	2 numeric characters.	FSRU1 (Rejected) FRRU1 (Rejected) FRRU2 (Failed)

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
Reject Description	RejectDtls/Desc	Max140Text	Up to 140 text characters (i.e. upper and lower case alphabetic, numeric and special characters).	FSRU1 (Rejected) FRRU1 (Rejected) FRRU2 (Failed)
Related Reference	FSIInf/TxId	Max16AlphaNumericText	Up to 16 alphanumeric characters, case sensitive.	FSRS (Settled) FSRU1 (Rejected) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRI FRRS (Recalled) FRRU1 (Rejected) FRRU2 (Failed) FSA1 (Accepted) FSA2 (Changed SM)
Response Date	ResponseDtls/Date	ISODate	Date Format: YYYY-MM-DD.	FSRS (Settled) FSRU1 (Rejected) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRRS (Recalled) FRRU1 (Rejected) FRRU2 (Failed)
Response Time	ResponseDtls/Time	ISOTime	Time format: HH:MM:SS, 24-hour clock.	FSRS (Settled) FSRU1 (Rejected) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRRS (Recalled) FRRU1 (Rejected) FRRU2 (Failed)

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
Response Type	ResponseType	ResponseType	Up to 12 alphanumeric characters, upper case. Allowable values: SETTLED REJECTED RECALLED UNSETTLEDEOD FAILED.	FSRS (Settled) FSRU1 (Rejected) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRRS (Recalled) FRRU1 (Rejected) FRRU2 (Failed)
Resulting Cash Account Balance	SttldInf/CshAcctBal	ImpliedCurrencyAndAmount	Positive or negative indicator followed by up to 12 numeric characters plus up to 2 decimal places (i.e. up to 999,999,999,999.99).	FSRS (Settled)
Resulting ESA Balance	SttldInf/ESABal	ImpliedCurrencyAndAmount	Positive or negative indicator followed by up to 12 numeric characters plus up to 2 decimal places (i.e. up to 999,999,999,999.99).	FSRS (Settled)
Settlement Amount	SttlmInf/IntrBkSttlmAmt	ImpliedCurrencyAndAmount	Up to 10 numeric characters plus up to 2 decimal places (i.e. up to 9,999,999,999.99). Decimal places do not need to be filled (i.e. 15.9 is acceptable for 15.90, and 137 is acceptable for 137.00). No positive or negative signs.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)
Settlement Date	SttlmInf/IntrBkSttlmDt	ISODate	Date format: YYYY-MM-DD.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)
Settlement Details	SttlmInf/SttlmDtls	Max70Text	Up to 70 text characters (i.e. alphanumeric and special characters are permitted), not case sensitive.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)

Business Element	XML Element	XML Data Type	Format and Allowable Values	Appears in Messages
Settlement Time	SttlmInf/IntrBkSttlmTime	ISOTime	Time format: HH:MM:SS, 24-hour clock. Not currently used.	FSI FSRS (Settled) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FSA1 (Accepted) FSA2 (Changed SM)
Transaction Reference Number (TRN)	Hdr/TxId	Max16AlphaNumericText	Up to 16 alphanumeric characters, case sensitive.	FSI FRI
XML Schema Version	Hdr/Vrsn	VersionNumber	LVSS Schema version. Three numeric characters in the format x.y (e.g. 1.0), taken from the XML Schema.	FSI FSRS (Settled) FSRU1 (Rejected) FSRU2 (Recalled) FSRU3 (Unsettled EOD) FRI FRRS (Recalled) FRRU1 (Rejected) FRRU2 (Failed) FSA1 (Accepted) FSA2 (Changed SM)

Appendix 1 – Table of Reject Codes

RITS rejects settlement or recall instructions that do not conform to the relevant pre-defined standards. When an instruction is rejected, a reject code is recorded against it. This reject code provides the reason for the rejection of the instruction.

The following table lists all reject codes used by RITS, including ten new codes introduced for LVSS that are highlighted in bold. Not all reject codes in the table are relevant for the LVSS service.

Reject Code	Description
60	Did not make FIN-Copy cut-off time
61	Did not make SWIFT Payment cut-off time
62	**Unable to process update. LVSS Multilateral Settlement testing in progress**
63	**Invalid root element**
64	**Invalid LVSS Payment Service**
62	**Unable to process update - LVSS Multilateral Settlement testing in progress.**
63	**Invalid XML root element**
64	**Invalid LVSS Payment Service**
65	**Invalid LVSS Settlement Method**
66	**Cash Account Status not A, D or P**
67	**Unauthorised LVSS participant**
68	**Invalid Payment Date/Settlement Date combination**
70	Payment Order (Transaction ID) does not exist
71	Payment Order already has this status
72	Payment Order Settled
73	Unauthorised Command/Enquiry
74	Duplicate TRN (for this date)
75	RTGS Closed
76	Bank code does not exist
77	Bank suspended
78	Value date is prior to current date

Reject Code	Description
79	Value date is more then 7 days in advance of current date
80	ESA Status is not A D or P
81	Credit Status is not A D or P
82	This Cash Account does not exist
83	Request not valid during this period (RITS State)
84	Warehoused payments not accepted from feeder system
85	Message recalled
86	Message unsettled at end of day
87	Does not meet message format standards
88	Sub-Message type does not exist
89	MAC\PAC check failed
90	Message not valid during SWIFTEVE
91	Message not valid during SWIFTFINAL
92	Rejected by RITS because no evening agreement or ineligible transaction source or ineligible party
93	Rejected by RITS because one or more counter parties is not a bank (ACLR or ASX Feeder transactions
94	Message not valid during SWIFTDAY
95	Rejected by RITS because ineligible participants in batch stream
96	Rejected by RITS because batch does not sum to zero

Appendix 2 – FSI format and existing Clearing and Settlement Fields

This Appendix provides a guide on the existing fields used in clearing and settlement files which may assist in the creation of FSIs.

FSI Business Element Name	Equivalent APCS EP&D fields File transmissions A, B, D, E		Equivalent BECS fields Summary File		Equivalent Exchange Summary File fields (for use in FSIs relating to CECS and APCS regional exchanges)		Notes
	Name	From	Name	From	Name	From	
Originator ID	BSB (Sending FI)	File Header Record – 9000 Field 4	Name of Sending FI	Record Type H – Header Record Positions 2-4	Lodging Member	Record Type 0 – Header Record Field 2	FSI uses 4 character RITS mnemonic (eg ANZB): APCS EP&D uses 6 digit BSB (eg 013999) BECS use 3 character APCA code (eg ANZ) Exchange Summary uses 6 character RITS mnemonic (eg ANZB2E).
Counterparty ID	BSB (Receiving FI)	File Header Record – 9000 Field 5	Name of Receiving FI	Record Type H – Header Record Positions 5-7	Exchange Member	Record Type 1 – Details Record Field 2	
Payment Date	Transmission Date	File Header Record – 9000 Field 3	Date to be Processed	Record Type H – Header Record Positions 8-13	Exchange Date	Record Type 0 – Header Record Field 3	
Settlement Amount	File Debit Total Amount (In practice, APCS EP&D has no Credit Items to include in this total.)	File Total Record – 9090 Field 4 For record types: A – 1010 B – 1015 D – 1011, 1012 E – 1016, 1017	Summary File Net Total Amount	Record Type T – Trailer Record Positions 2-14	Net Due To/By	Record Type 1 – Details Record Field 3 or 4	The relevant APCS EP&D record types are found in the Header Record – 9000 – field 9.
Debit Items Value	File Debit Total Amount	File Total Record – 9090 Field 4 For record types: A – 1010 B – 1015 D – 1011, 1012 E – 1016, 1017	Summary File Debit Total Amount	Record Type T – Trailer Record Positions 28-40	Debits Out Value	Record Type 1 – Details Record Field 5	The relevant APCS EP&D record types are found in the Header Record – 9000 – field 9.

FSI Business Element Name	Equivalent APCS EP&D fields File transmissions A, B, D, E		Equivalent BECS fields Summary File		Equivalent Exchange Summary File fields (for use in FSIs relating to CECS and APCS regional exchanges)		Notes
	Name	From	Name	From	Name	From	
Debit Items Number	File Count of Debit Items	File Total Record – 9090 Field 7 For record types: A – 1010 B – 1015 D – 1011, 1012 E – 1016, 1017	Summary File Count of User Debit number of items	Record Type T – Trailer Record Positions 55-61	Debits Out Volume	Record Type 1 – Details Record Field 6	
Credit Items Value	File Credit Total Amount	File Total Record – 9090 Field 3	Summary File Credit Total Amount	Record Type T – Trailer Record Positions 15-27	Credits Out Value	Record Type 1 – Details Record Field 9	In practice, this field is not used for APCS EP&D file exchanges.
Credit Items Number	File Count of Credit Items	File Total Record – 9090 Field 6	Summary File Count of User Credit number of items	Record Type T – Trailer Record Positions 48-54	Credits Out Volume	Record Type 1 – Details Record Field 10	In practice, this field is not used for APCS EP&D file exchanges.
Payment Service / Clearing Description				Record Type H – Header Record Position 14	Clearing System	Record Type 0 – Header Record Field 4	The Exchange Summary File format has codes to identify Clearing Streams such as 005 = Paper SA. A combination of Payment Service and Clearing Description fields in the FSI can be used for this purpose.
Other FSI elements: TRN Payment Service Clearing File Reference Settlement Date Payer ID Payee ID LVSS Settlement Method Cash/Credit/ESA Status							These are new fields in the FSI that are not present in an Exchange Summary or required for APCS EP&D or BECS file exchanges.

Payments Settlements Department
Reserve Bank of Australia