

IN10 – CBC Fiscal Agency Accounting System Interface Design

January 24, 2011



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1.1. Introduction

The Community Based Care (CBC) fiscal agency accounting system interface with Florida Safe Families Network (FSFN) is a two way interface between each CBC and the FSFN system. The CBC Fiscal Agency Accounting System Interface will support interfacing with multiple accounting systems based upon the CBC business model. In some instances, CBC Lead Agencies have one accounting system while others oversee sub-agencies each with a unique accounting system. FSFN is flexible enough to recognize and process invoices to the appropriate accounting system.

FM02: Issue/Reconcile Checks topic paper documents activity related to issuing invoices for providers furnishing services to children and adults in care of the State of Florida. Payment are created in FSFN for providers that manage activities such as foster care, adoption care, transportation, clothing allowances, and other expenditures allowed by policy of the Department of Children and Family (DCF). FM01: Process Payments topic paper documents the creation and authorization of payments. Once payments have been created and authorized, FSFN will combine payments for a provider to create an invoice. The combination of payments into Invoices is documented in the FM02: Issue/Reconcile Checks topic paper. The Create Pending Invoice batch program selects the payments that are eligible for an invoice run and generates pending invoice entries. The pending invoice entries will contain all the information necessary to be transferred to the CBC accounting system for a check to be generated. Once the Pending Invoice entries are created, the invoice information can be reviewed using the Review Pending Invoice page as well as the using the Pending Invoice Listing report.

Each CBC will decide if they would like to use the invoice Batch Release feature or if all invoices will be sent to the accounting system after the pending invoice has been reviewed. If they choose to use the Release feature, each Invoice Batch will need to be marked as 'released' before the invoice can be sent through the Check Write file extract. Otherwise, all invoices that have not been 'Canceled' or 'Rescheduled' will be picked up in the next batch run. Next, a daily executed batch program will generate an Invoice Extract for transmittal to the respective CBC Agency. This file includes the details of each payment in each invoice. The distribution of these files to the CBC Agencies will be processed through FSFN. The CBC extract files will be pushed (FTP-push) to the servers at the CBCs. Additionally, the CBC extract files will also be in an archive folder in the FSFN Business Objects Enterprise (BOE) environment. The CBC Fiscal Agencies will be accessing the files from the CBC FTP servers and will upload the file to their accounting system. The CBC Agencies will utilize this data to print checks and document the associated check stubs through their own internal accounting systems. Once the checks are physically created, the CBC Agencies will have the ability to provide a feedback file back to

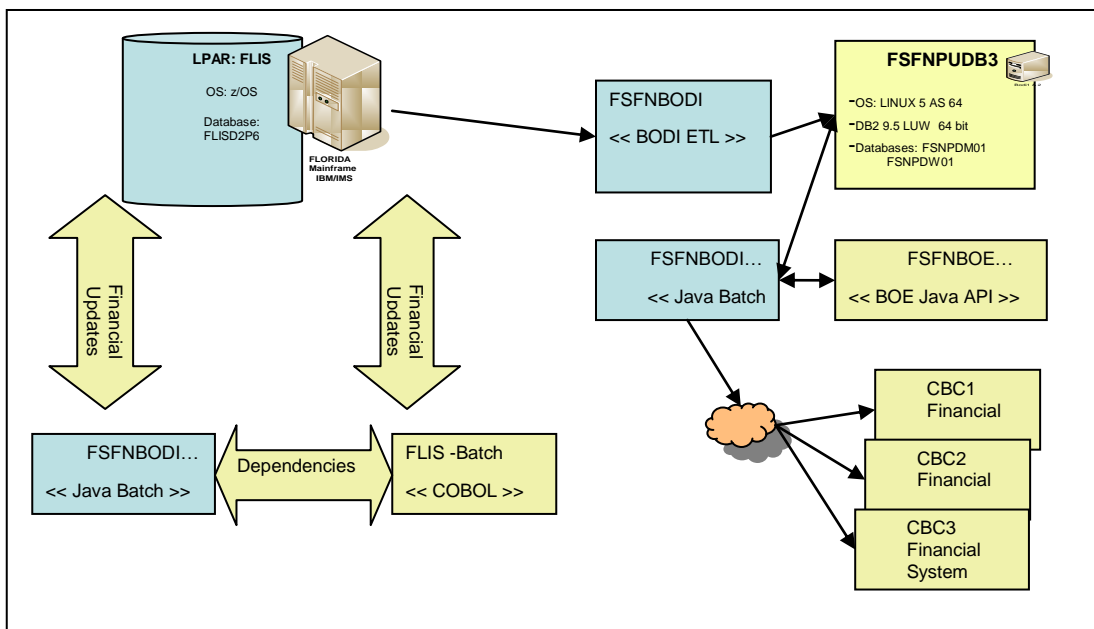
FSFN through a Webservice Call so that the Check Numbers and Check Dates can be uploaded to the FSFN application.

1.2. Process Overview

1.2.1 FSFN to CBC-Check Write File Extract

The Check Write File Extract run generates ‘fm02-chk-file’ that contains payments for providers. Each CBC Accounting System receives a separate file. The file will be pushed (FTP-Push) from the FSFN server to the local CBC FTP servers. Archives for previous days’ files will be available for download from the FSFN BOE environment. The diagram below depicts the high level process flow for generating and staging the Check Write File for distribution to the CBC financial systems. The full documentation on the FSFN to CBC Check Write File Extract can be found in FM02 Issue/Reconcile Checks topic paper.

- FSFN to CBC FTP Server – the FSFN batch process, after generating the file, will push the extract file to each CBC FTP server. The file will be zipped and password protected. The FSFN system will provide each CBC with a Java program to unzip the file on receipt.





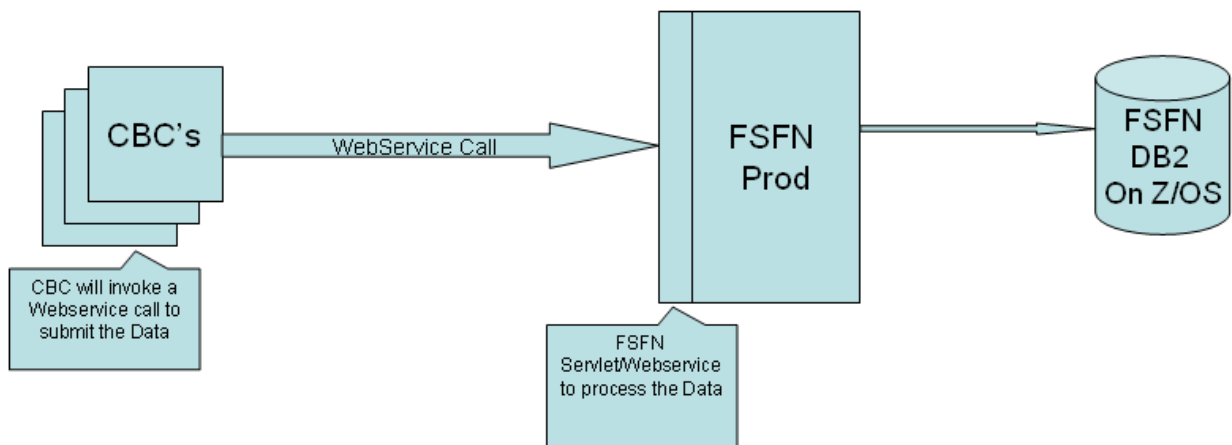
The layout of the Check Write File is documented in the *FM02 Issue Reconcile Checks Topic*, Section 1.4.2, along with parameters, frequency, dependencies, database tables, and process description.

1.2.2 CBC to FSFN - Checks Printed

This interface provides information on checks that have been printed by the CBC accounting system and loads the Check Numbers and Check Dates into FSFN. A Webservice call will be initiated by the CBC Accounting System which will update the Checks table with Check Numbers and Check Dates. It also updates the Payment and Payment Adjustment tables with the Check Numbers and Check Dates. The full documentation on the CBC to FSFN Check Printed record can be found in FM02: Issue/Reconcile Checks topic paper. The Check Numbers and Check Dates can also be manually entered into FSFN through the Check Number Recording Page. Information that is sent through the interface will not override what has been manually entered in FSFN. An Error Report will be generated to inform the CBCs that the information is not consistent and will need to be researched further.

CBC Check Printed to FSFN:

- WebService Call – For updating the check numbers in the FSFN system, the CBC will execute a Webservice call providing the FSFN credentials (user ID/PWD) along with the data mentioned below.



The In07_CheckPrintedInterface in FSFN is a Web service program (a software program designed to support interoperable machine-to-machine interaction over internet).

For the CBCs to use this Web Service program, CBCs will need to get a LDAP account and password from DCF IS.



Once the CBCs get the LDAP account, CBCs will need to call the webservice using the following URL:

[http://FSFN_SERVER /checkPrint/CheckPrintService](http://FSFN_SERVER/checkPrint/CheckPrintService)

FSFN_SERVER – is a parameter for the FSFN server

FSFN System Test Environment

FSFN UAT Environment – 160.131.225.249

FSFN Production Environment – fsfn-production.dcf.state.fl.us

The CBCs will need to submit the following parameters in a fixed layout.

The Interface program will only accept one record for each submission.

The CBC Extract Record	Type
PP-INVOICE-NUMBER	PIC X(10)
PP-AGENCY-CODE	PIC X(10)
PP-CHECK-NUMBER	PIC X(10)
PP-CHECK-DATE	PIC X(10)

1.2.3 Technical Details

The wsdl for the check print web service is:

http://FSFN_LINK/checkPrint/CheckPrintService?WSDL

FSFN_LINK will change based on the environment. For example: For UAT it will be

<http://fsfnuat-r2b.dcf.state.fl.us/checkPrint/CheckPrintService?WSDL>

1.2.3.1 Security

The web service requires username token in the SOAP header. The username token is used as a means of identifying the requestor of the webservice by username and password to authenticate the identity of the web service. Passwords of type PasswordText are required.



That means the information held in the password should be in “in the clear”, as opposed to holding a “digest” of the information.

The webservice authenticates the username and password against LDAP under the user group “FSFN_USER”. A valid username and password used to login into FSFN application should be able to go through the web service. If the webservice is executed without supplying a UsernameToken in the soap header, a soap exception “Unable to validate identity assertions” is returned. If the username or password supplied in the soap header is not valid then a soap exception “Failed to assert identity with UsernameToken” will be returned. The password for LDAP account should be set up as non-expiring.

The soap header with the username token will be as follows :

```
<wsp:UsingPolicy s1:Required="true" />
<wsp:Policy s0:Id="FsfnWsAuth">
  <wssp:Identity xmlns:wssp="http://www.bea.com/wls90/security/policy">
    <wssp:SupportedTokens>
      <wssp:SecurityToken TokenType="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-username-token-profile-
1.0#UsernameToken">
      <wssp:UsePassword Type="http://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-username-token-profile-1.0#PasswordText" />
    </wssp:SecurityToken>
  </wssp:SupportedTokens>
</wssp:Identity>
</wsp:Policy>
```

1.2.3.2 createCheckRecordReportService

Input Parameters : CheckStructure

The CheckStructure consists of the following elements:

- CHECKRECORD of type : IN07_CheckRecord

This data structure will contain attributes pertaining to a check record.

Output Parameters: IN07_WSResponse



- IN07_WSReposnse consists of the following elements :

Errors of type : An array of IN07_ErrorCodes

- Contains error code and their descriptions

errorCodesCnt of type : Int

Total Number of the errors

Success of type: Boolean

If true indicates the web services has executed successfully, if false indicates there were some errors. Use the Errors object to find about the errors.

Required Fields: The following fields are required in order to process the web service call, otherwise errors with validation messages will be returned.

- ID_CHCK
- CD_AGENCY
- ID_CHCK_NMBR
- DT_CHCK

Method Description:

This web service will update the Invoice number and Invoice Date sent. It will also set the invoice status to Outstanding. A validation process is done to make sure the agency and invoice Id number sent exists in FSFN. Also if the check number is updated via the web service or through the FSFN application, the web service call is rejected that means the web service will be executed only when the invoice number is not updated in the database.

Update payment_adjust table with Invoice number, invoice date, web service id (6300), timestamp update.

Update payment table with Invoice number, invoice date, web service id (6300), timestamp update.

Update check table with invoice number, invoice date, invoice status (O –Outstanding), disposition date, web service id (6300), timestamp update.

The detailed description of the elements is given below:

	Description	Range of Values if applicable	SQL Data Type	SQL Length
<CheckStructure/>	Composite data structure pertaining to a check write	N/A	N/A	N/A



<CD_AGENCY/>	Fiscal Agency ID		Timestamp	
<DT_CHK/>	Date when the invoice is generated		Integer	4
<ID_CHK/>	FSFN generated unique check ID		Integer	4
<ID_CHK_NMBR/>	Invoice number generated by CBC accounting system		Varchar	10
<ID_UP/>	Updated ID – Worker Role ID : Defaulted in FSFN (Is not required to be passed in by the interface)		Integer	4
<TS_UP/>	Data Updated Timestamp (not required to be passed in by the Interface)		Timestamp	

Error codes and their descriptions when the web service fails:

Error Codes Error Description

- 100 NO INVOICE ID NUMBER Invoice ID number is null
- 101 NO AGENCY the fiscal agency code is null
- 102 NO CHECK NUMBER the Check Number is null
- 103 NO CHECK DATE the Check Date is null
- 104 AGENCY_CODE, INVOICE ID NUMBER and Invoice does not match Agency and Invoice in FSFN
- 105 ROW ALREADY UPDATED FOR CHECK. Check does not match check number old check new check or Check Date does not match date in FSFN

Interface CRUD Matrix

Table Name	Create	Read	Update	Delete
PAYMENT		X	X	
PAYMENT_ADJUST		X	X	
CHECKS		X	X	

1.3. Requirements

- FMP-043
- FMP-048
- RFM-007



BAFO – 009

CON-002



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