**AFRS and CFC Data Processing Note**

**SQL server names in my work:**

* Medicaid outbound server: AFRSOutbound.ofm.wa.gov
* Medicaid prod server: FRCDBApppr
* Medicaid development server: FRCDBAppDev
* Medicaid testing server: FRCDBAppQA

1. When checking the table [zxg].[BulkAssignmentsInsert], if the string codes are good, but the source of fund is null, we need to find the value for the source of fund, otherwise some cost will be put into wrong bucket, i.e., services, even the comparison with fast-track will be wrong.

2. The following tables are important in this process:

* [zxg].[AFRS\_Scheme]
* [zxg].[AFRS\_xWalk]
* zxg.AFRS\_SVC
* zxg.AFRS\_MEG
* [zxg].[afrs\_assignments]

3. Some interesting mapping:

* program index 🡪MegId or Meg
* subsubobject 🡪SvcId or service
* Allocation 🡪 source of fund

**About the manual adjustment process**

1. The SSIS Packages are:
   1. BulkManualAdjustments.dtsx
   2. Ad\_hoc\_Find\_MEG\_SVC\_SOF\_for\_String\_Codes.dtsx, this is needed if there is missing MEG, SOF,SVC for the source data.
   3. Run **InsertCleanup.dtsx before running** InsertBulkAssignments.dtsx
   4. InsertBulkAssignments.dtsx, this is needed for the same reason above
   5. Run **InsertCleanup.dtsx afterwards**
   6. Finally run BulkManualAdjustments.dtsx
2. The SQL code:
   1. I:\MyDocu\ForecastDocu\\_SubVersion\AFRS\SQL\_Code\Adhoc\ Adhoc\_find\_meg\_svc\_sof\_for\_JV.sql

4. Eddy found out that in the forecast tracking report, the money supposed to be in MEG 1499 is put in the no-forecasted MEG 1495, which resulted in an off tracking starting from July 2017 and on. This happens because the AFRS\_MEG\_Id is defined to be 177 instead of 179; and 177 points to MEG 1495, 179 points to MEG 1499. The MEG is determined by the function zxg.fsGet\_MostLikelyMeg, which chooses the afrs\_meg\_id that has most occurrences. Unfortunately, afrs\_meg\_id 177 way outnumbers the afrs\_meg\_id 179, 954 versus 40. So that’s why the process always choose 177 which in turn choose MEG 1495, not MEG 1499.

This episode happens in the package UnassignedToExcel.dtsx in the task “Get Most likely xWalk Values for these unassigned rows “. Those afrs\_xWalk\_Id, for example, 154442,155555,157195, are given a wrong AFRS\_MEG\_ID.

The temporary fix, is to set AFRS\_MEG\_ID to 179 from 177 for those afrs\_xWalk\_Id.

Going forward, we will keep an eye upon the MGE 1495 and 1499.

5. After running the monthly process, the records in the zxg.MonthlyOFMFile are the records that are not inserted in the Afrs\_extract table, this happens when the mapping of svc/meg/svc is not correct.

6. When we have new SVC (afrs\_svc) due to COVID-19, we have add new service to table zxg.AFRS\_svc, zxg. forecast\_svc, and hence update table dbo.map\_svc to link the AFRS\_SVC to forecast svc.

This time I also do the following after executing the package **UnassignedToExcel.dtsx** to find the correct service for zxg.BulkAssignmentInsert table before it is used in the package **InsertBulkAssignments.dtsx.** If the svc\_a, for example, is not assigned correctly, some records from zxg.MonthlyOFMFile will not be inserted into table zxg.Afrs\_extract file, leading to the dollars not being matched with fasttrack pdf file. This happed for the cycle of fm2110.pdf of the fasttrack file.

update [zxg].[BulkAssignmentsInsert]

set SVC\_A = 361

where SubSubObject in ('M361','M362','M363','M364')

and ProgramIndex in ('H1CVD')

update [zxg].[BulkAssignmentsInsert]

set SVC\_A = 372

where SubSubObject in ('M37A','M37B','M37C','M37D')

and ProgramIndex in ('H1CVD')

update [zxg].[BulkAssignmentsInsert]

set SVC\_A = 551

where SubSubObject in ('M530')

and ProgramIndex in ('H1CVD')

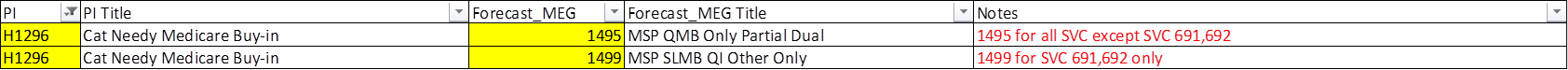
7. The following string codes was put in meg 9999, svc 999, sof 99 under the current AFRS processing method in dbo.BulkAssignmentsInsertFlag, should be corrected. However, notice that if sof\_A is 9, it means that the svc is not forecasted. Therefore, it can be correct.

Allocation = '0MOM' and ProgramIndex = 'H8664'

8. For SubSubObject = 'G171', we set the SVC to be 999, which will not be forecasted. According to Eddy, if SVC is 999, or Meg is 9999, or sof is 9, the cell will not be forecasted. This happened when I process for the monthly data of 2015 September 2020 close.

9.

In the account code assignment process, all services except 691 and 692 should have MEG 1495.



We will update the tables related.

10. According to Eddy, service 680 should not stand alone for the time being because it does not differentiate from other group that already existed. It should be set to be service 681.

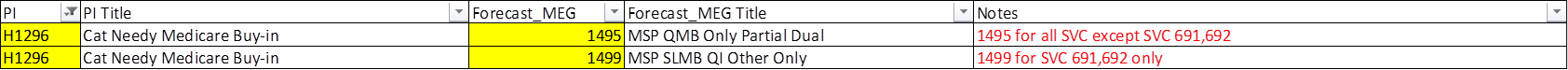
How:

select \* from [dbo].[vw\_Forecast\_SVC\_Mapping] where SVC like '68%'

You will see that from above query SVC 681 and 680, we will use Map\_Forecast\_SVC\_Id for 681 to replace the counter parts of 680.

Done

11. In the account code assignment process, all services except 691 and 692 should have MEG 1495.



12. for the new PI H1671, we let it point to the afrs meg to be 1671. So I did the following:

update [zxg].[BulkAssignmentsInsert]

set MEG\_A = 1671,

MEG\_B = 1671

where ProgramIndex = 'H1671'

Action item:

1. with cfc meg 1670 family planning non citizen we will point to meg 1671 zxg.afrs\_meg, we have to clean up the historic 1670 both in cfc data and afrs data, Eddy will prepare a note.

I have done:

update zxg.afrs\_scheme

set afrs\_meg\_id = 60

where afrs\_xWalk\_id in (select distinct a.afrs\_xWalk\_id

from zxg.vw\_AFRS\_Assignments as a

where a.Biennium in ('2021','2023') and a.Scheme in ('A') and a.ProgramIndex = 'H1677'

);

2. Change the hard-coded part of [zxg].[spicfcscrub\_eligibles\_fc]

**New meg 1671**

With new server AFRSOutbound.ofm.wa.gov and AFRStitles database

* Table D12\_SubSubObject is about the subject and subsubobject
* Table D63\_AllocationCode is for allocation code
* Table D22\_Fund is for updating table Cdtbl\_Account, where fund is the account.
* Table AI\_AppropriationIndex is for Cdtbl\_ExpAuthindex\_Desc
* Table PI\_ProgramIndex is for value of Cdtbl\_ProgramIndex\_Desc when updating table zxg.Cdtbl\_Programindex

**4/10/2024: change the SOF for allocation code “3NEA” from 1 (50% federal) to 0 (Newly Eligible 90% federal)**

update zxg.AFRS\_Scheme

set afrs\_sof\_id = 10

where afrs\_scheme\_id in (

select distinct afrs\_scheme\_id

from zxg.vw\_AFRS\_Assignments

where ProgramIndex = 'H12N1' and Allocation = '3NEA' and SubObject = 'NB' and SubSubObject = 'M352'

) and afrs\_sof\_id = 1

**5/20/2024: insert new row to the table zxg.afrs\_svc to take care of the newly added Afrs svc as the following:**

set identity\_insert zxg.afrs\_svc on

insert into zxg.afrs\_svc (AFRS\_SVC\_Id

,SVC

,SVC\_desc

,Level\_LUT\_Id

,SVC\_RelatedTo

,SVC\_RelatedTo\_Id

,CreateBy

,CreateDate

,ModifiedDate)

values (169, 637,'MANAGED CARE HOSPITAL SAFETY NET ASSESSMENT - STATE DIRECTED PAYMENT PROGRAM',3,610,111,'zxg',getdate(),getdate())

set identity\_insert zxg.afrs\_svc off

this is to take care of the newly added subsubobject:'MS06','MS07','MS14','MS15','MS16','MS17',

'MS18','MS19','PAHT'. To complete the mapping for this new AFRS svc 637 to forecast svc 635, did the following:

insert into zxg.Map\_Forecast\_SVC(Map\_Forecast\_SVC\_Id,Scheme,BeginBiMonth, EndBiMonth, AFRS\_SVC\_Id, Forecast\_SVC\_Id, CreateBy, CreateDate, ModifiedDate)

values(175,'A',0000,9999,169,52,'zxg',getdate(),getdate()),

(177,'B',0000,9999,169,52,'zxg',getdate(),getdate())

**6/3/2024: Based on the meeting with Eddy, we change the SVC for subsubobjects including 'MS07','MS06' of AFRS SVC 637 to AFRS SVC 235 by doing the following**:

update zxg.Afrs\_scheme

set AFRS\_SVC\_Id =143

where AFRS\_xWalk\_Id in (251459,251460) and AFRS\_SVC\_Id = 169

**and change the SOF for string code (PI=H12N1,Allocation=3NQA,Subobject=NB,Subsubobject=M352, and Biennium=2023) from SOF 7 to SOF 8 by doing the following:**

update zxg.AFRS\_Scheme

set AFRS\_SOF\_Id = 11

where AFRS\_xWalk\_Id = 230794

**7/23/2024: For program index “H1289”, we retire its mapping of AFRS meg from 1955 to 9999 (i.e., non-forecasted), so later Meg 1955 can be filled by other.**

drop table if exists #id

select \*

into #id

from zxg.vw\_AFRS\_Assignments

where meg = 1955 and ProgramIndex = 'H1289'

update zxg.AFRS\_Scheme

set AFRS\_MEG\_Id = 76

where afrs\_xWalk\_Id in (select distinct afrs\_xWalk\_Id

from #id

)

and Scheme = 'a'

and AFRS\_MEG\_Id = 182

**3/6/2025: when processing AFRS expenditure data of cycle 2518, I made the following change. Change the equal sign to in, see highlighted in yellow.**

delete

from zxg.[afrs\_extract]

where afrs\_assignments\_id in (select afrs\_assignments\_id from zxg.afrs\_assignments

where biennium in ( select distinct biennium from zxg.MonthlyOFMFile

where postfiscalmonth in ('25', '99'))

)

and postfiscalmonth in (select distinct postfiscalmonth

from zxg.MonthlyOFMFile

where postfiscalmonth in ('25', '99')

**6/30/2025:**

**For the action item: with issue Act coding, M766, H1277 and N1861 , 510V and 5106 for Biennium 2025 was set to 9999. ( should be set to 1470 and 1861, 777, 4 )**

**Once I update the zxg.AFRS\_Scheme by setting AFRS\_MEG\_id = 15 from 174, so Meg will be 1470 as business wanted. But when checking against zxg.vw\_AFRS\_Extract\_Forecast, I cannot find the records where PI = H1277 and Meg =1470, I can find the change reflected in zxg.vw\_AFRS\_Extract or zxg.vw\_AFRS\_Assignments, the reason, after a few hours investigation, is that in the view definition of zxg.vw\_AFRS\_Extract\_Forecast , table zxg.Map\_Forecast\_Meg was used, but this table does not have a record where AFRS\_MEG\_Id = 15.**

**7/15/2025.**

Based on discussion with Eddy, the records associated with biennium of 2022 were removed from the following tables.

* dbo.afrs\_assignments
* dbo.afrs\_scheme
* dbo.AFRS\_xWalk
* dbo.AFRS\_manualadjustments

**Caseload process memo**

1. when processing CFC monthly caseload of cycle 2516, we found for many caseload meg, such as 1419, 1210, etc. have been mapped to forecast\_caseload\_meg 1220, this incorrect mapping actually happed since cycle 2513, the cause was the P1 data was not download for the time from 201101 to 201906. Within this time window, the incorrect mapping occurred. So we fixed this issue buy truncate the historic data, for cfc eligible data, we use data from 201507 forward. The modification for the stored procedure of the monthly scrub process was modified to reflect this change.

**Work Memo:**

1. working on AFRS 2307 cycle, based on discussion with Eddy:

* for subsubobject ‘M419’, we map it to SVC 411
* for allocation ‘2CVA’ and ‘3CVA’, we map them to SOF to 2, 100% federal FMAP
* for allocation 'ARPA' and subsubobject ‘M419’, we mapped to SOF of 2(%100 FMAP) and svc to 411.

2. update the LHJ Interpreter svc 999 correction needed:

For SubObject = 'ER' and SubSubObject = '0100' and ProgramIndex = 'H1994', the mapping is put it into no forecast category. we correct them so that it will be forecasted category, I,e., afrs\_meg= 1998, svc=777, sof= 2 or 5 depending on allocation code

update zxg.AFRS\_Scheme

set afrs\_sof\_id = 5

where AFRS\_xWalk\_Id in

(select AFRS\_xWalk\_Id

from zxg.vw\_afrs\_assignments

where SubObject = 'ER' and SubSubObject = '0100' and ProgramIndex = 'H1994' and sof = 9 and Allocation like '00%')

3. for program index ‘H1998’,subject ‘ER’, subsubobject ‘0100’ and allocation ‘5EA1’, it was mapped to no forecasted category. we did the following update to make it an forecasted one:

update zxg.AFRS\_Scheme

set afrs\_sof\_id = 2,

AFRS\_MEG\_Id = 75,

AFRS\_SVC\_Id = 151

where AFRS\_xWalk\_Id in

(select AFRS\_xWalk\_Id

from zxg.vw\_afrs\_assignments

where SubObject = 'ER' and SubSubObject = '0100' and ProgramIndex = 'H1994' and sof = 9 )

1. [zxg].[Cdtbl\_Account]🡪 Cdtbl\_Account\_ShortDesc,1,1) as \_FundType

2. zxg.Cdtbl\_ExpAuthType🡪 substring(a.Cdtbl\_ExpAuthType\_desc,1,1) as \_CostAllocationFundType

3. zxg.Cdtbl\_FundType is required to have a Cdtbl\_FundType which is equal to the value of \_FundType as in item 1.

note: The column Cdtbl\_ExpAuthType\_desc in table zxg.Cdtbl\_ExpAuthType is manipulated as such substring(a.Cdtbl\_ExpAuthType\_desc,1,1) to produce column \_CostAllocationFundType, which is used to talk to the column Cdtbl\_CostAllocationFundType in table zxg.Cdtbl\_FundTyp to produce the values for the following columns:

Cdtbl\_FundType\_Id,Cdtbl\_Fund,Cdtbl\_FundType,Cdtbl\_FundType\_Desc,Cdtbl\_CostAllocationFundType

For 2312 cycle, in order to fix the records of post fiscal month 25, we imported the 2312 cycle prior\_sum\_month data and extract the records with post fiscal month being 25. Then we deleted the records records with post fiscal month being 25 from cycle 2503 and inserted the same number/values records into the afrs\_extract table.