Finalized Enhancements

1. Update TEDS extract code to reflect v.14 (12542)
    - DCF and the DAC Subcommittee has identified the Treatment Setting codes as one of the primary issues in FASAMS currently. As such, DCF has decided to remove Treatment Settings and their codes from the entire FASAMS system. This will allow the managing entities to more easily submit data to the system and decrease the number of data validation errors. Treatment Settings are used in the generation of the TEDS extract each month. In FASAMS Version 14, Placement Record.PlacementCode replace the function of the Treatment Settings so the TEDS extract must be updated to map the new PlacementRecord.PlacementCode to the Treatment Settings required to be submitted in the TEDS extract.
        - Create new **TEDS Version Combination** tables for storing unique treatment episodes that span V13 and V14 of FASAMS
            1. Use the following criteria to match a V13 treatment episode to a V14 treatment episode:
            2. SubmittingEntity + ProviderClient + Provider + ProgramAreaCode + Initial Admission.AdmissionDate
            3. Create stored procedure to update new TEDS table each night
            4. Update TEDS code to use new **TEDS Version Combination** tables

        - Update code for the following data sets:
            1. MHA1B/MHD2B
            2. If MHA1A/MHD2A is Unknown (999.9997), then MHA1B/MHD2B should be reported as Not Collected (999.9998)
            3. MHA1C/MHD2C
            4. If MHA1A/MHD2A is Unknown (999.9997), then MHA1C/MHD2C should be reported as Not Collected (999.9998)

        - Replicate TEDS extract code fro Version 13 in the FASAMS Version 14 tables
        - Update Data Set mappings
        - Update MDS4/DIS14: Reference TEDSxwalk, rows 30 – 34
        - Update MDS18/DIS7: Reference TEDSxwalk, rows 350 – 364 and rows 824 – 838 (Same as 350 – 364)

2. Create FASAMS Version Submission Rules (404193)
    - DCF needs a way to prevent Provider data from being submitted into multiple vesrions of FASAMS simultaneously. New rules are required that will prevent Provider data from getting into the system in an earlier version of FASAMS if a later version of FASAMS has already been submitted.
        - Create Provider Version Data set table
            Columns:
                Submitting Entity
                Provider

Data Set
Current Version
Will display the latest version submitted for the SubmittingEntity-Provider-DataSet combination

Any other columns identified as necessary by the dev team

This document will be updated once table columns are finalized

As new SubmittingEntity-Provider-DataSet combinations are submitted, new rows will be implemented

Create Provider rules for V13 and V14 under Provider entity.
V13 rule: "Latest Version Submitted Required Rule"
Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

V14 rule: "Latest Version Submitted Required Rule"
Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create ProviderClient rules for V13 and V14 under Client entity
V13 rule: "Latest Version Submitted Required Rule"
Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

V14 rule: "Latest Version Submitted Required Rule"
Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination.

Create TreatmentEpisode rules for V13 and V14 under TreatmentEpisode entity
V13 rule: "Latest Version Submitted Required Rule"
Error message:

"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

V14 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create Service Event rules for V13 and V14 under ServiceEvent entity
V13 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS. "

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination.

V14 rule: "Latest Version Submitted Required Rule"
Erro message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create WaitingList rules for V13 and V14 under WaitingList entity
V13 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS. "

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination.

V14 rule: "Latest Version Submitted Required Rule"
Error message:

"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination.

Create AcuteCare rules for V13 and V14 under BedCapacity entity
V13 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS. "

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination.

V14 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS. "

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create Subcontract rules for V13 and V14 under Subcontract entity

V13 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination.

V14 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause:

Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create ContractTarget rules for V13 and V14 under ContractTarget entity

V13 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

V14 rule: "Latest Version Submitted Required Rule"
Error message:
"The record submitted is in a previous version of FASAMS. The SubmittingEntity-DataSet combination is currently on a more recent version of FASAMS."

Root Cause:
Resubmit the record in the correct FASAMS Version for the SubmittingEntity-DataSet combination."

3. Create General Improvement Assessment ToolCode (328878)
- DCF SAMH and the Managing Entities require a new simple assessment ToolCode that will allow FASAMS users to identify if a client has an Baseline status, Improve Functioning status, Not Improve Functioning status, or Maintain Stable Functioning status.
  - Create new evaluation ToolCode vocabulary in Treatment Episode, under Evaluation entity for both Version 13 and Version 14 of FASAMS
    1. ToolCode definition:
       a. Name: 'General Functional Improvement'
       b. Code = '6200.10'
  - Create new "General Functional Improvement Scores" Codes vocabulary to be associated with ToolCode 6200.10 (General Functional Improvement) for both Version 13 and Version 14 of FASAMS
    1. Score Codes:
       a. 6200.10.1 -- name: Baseline
       b. 6200.10.2 -- name: Improve Functioning
       c. 6200.10.3 -- name: Not Improve Functioning
       d. 6200.10.4 -- name: Maintain Stable Functioning
  - Set ToolCodes 5, 6, and 8 to expire on 2/1/2021 for both Version 13 and Version 14 of FASAMS

- Create rules require CGAS toolcode
    1. Name of rules: "Evaluation with CGAS (9) ToolCode required when POM submitted on Admission'" and "Evaluation with CGAS (9) ToolCode required when POM submitted on Discharge"
        a. Rules to be created in both Version 13 and Version 14 of FASAMS
        b. Within in Evaluation entity, ToolCode of code 9 is required when a Performance Outcome Measure is submitted, and the ProgramAreaCode = 3 or 6, and the Age of Client is >= 5 otherwise an error occurs.
            i. Age of Client would be identified at AdmissionDate
    2. Error message: "CGAS (9) ToolCode, under Evaluation, is required to be submitted when POM is submitted, ProgramAreaCode is 3 or 6, and client >=5.
        a. Root Cause: ToolCode 9 in Evaluation entity is not populated in file"

4. Create Unique Constraint Rule (316493)
    - FASAMS users have the ability to submit duplicate data to the system if a duplicate record is resubmitted with a new Source Record Identifier. DCF would like to control the duplicate record submissions by creating a new rule that generates an error when a user submits data that is the exact same as an existing record in the system but uses a different SRI.
        - Create "Client Unique Constraint Rule" within a given Submitting Entity + Provider combination
        o Rule to be created in both V13 and V14
        o A Client record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
            o Composite fields: Submitting Entity + Provider + (SSN or PSSN)
                - For SSN/PSSN, use SSN first, if not present then use PSSN
        o Error Message when record fails rule: "The Submitting Entity, Provider, and SSN/PSSN combination submitted already exists in the FASAMS database within the FASAMS version. Duplicate SRIs in FASAMS database: <insert comma separated SRIs (max 10)>
            o Root Cause: If you are attempting to update an existing record, update the SRI in the file. If you are attempting to insert a new record, check the composite fields submitted for accuracy and resubmit."
        - Create "Admission Unique Constraint Rule" within a given Treatment Episode

- Rule to be created in V13
  - Initial Admission rule: An Admission record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
    - Admission: Submitting Entity + Provider + ParentTreatmentEpisode + ProgramAreaCode + AdmissionDate
      - ProgramAreaCode rules:
        - If ProgramAreaCode 1 exists, PAC 5 will be rejected
        - If ProgramAreaCode 2 exists, PAC 5 will be rejected
        - If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
        - If ProgramAreaCode 3 exists, PAC 6 will be rejected
        - If ProgramAreaCode 4 exists, PAC 6 will be rejected
        - If ProgramAreaCode 6, PAC 3 or 4 will be rejected
    - Error Message when record fails rule: "The ParentTreatmentEpisode + ProgramAreaCode + AdmissionDate combination submitted already exists in the FASAMS database within the FASAMS version. Duplicate SRIs in FASAMS database: <insert comma separated SRIs (max 10)>
      - Root Cause: If you are attempting to update an existing record, update the SRI in the file. If you are attempting to insert a new record, check the composite fields submitted for accuracy and resubmit."
    - Create "Admission Unique Constraint Rule" within a given Treatment Episode
      - Rule to be created in V13
        - Initial Admission rule: An Admission record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
          - Admission: Submitting Entity + Provider + ParentTreatmentEpisode + ProgramAreaCode + AdmissionDate
            - ProgramAreaCode rules:
              - If ProgramAreaCode 1 exists, PAC 5 will be rejected
              - If ProgramAreaCode 2 exists, PAC 5 will be rejected
              - If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
              - If ProgramAreaCode 3 exists, PAC 6 will be rejected
              - If ProgramAreaCode 4 exists, PAC 6 will be rejected
              - If ProgramAreaCode 6, PAC 3 or 4 will be rejected

- o Transfer Admission rule: An Admission record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
    - Admission: Submitting Entity + Provider + ParentTreatmentEpisode + ProgramAreaCode + TreatmentSettingCode + AdmissionDate
        - ProgramAreaCode rules:
            - o If ProgramAreaCode 1 exists, PAC 5 will be rejected
            - o If ProgramAreaCode 2 exists, PAC 5 will be rejected
            - o If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
            - o If ProgramAreaCode 3 exists, PAC 6 will be rejected
            - o If ProgramAreaCode 4 exists, PAC 6 will be rejected
            - o If ProgramAreaCode 6, PAC 3 or 4 will be rejected
  - o <u>Error Message when record fails rule:</u> "The ParentTreatmentEpisode + ProgramAreaCode + AdmissionDate combination submitted already exists in the FASAMS database within the FASAMS version. Duplicate SRIs in FASAMS database: <insert comma separated SRIs (max 10)>
      - Root Cause: If you are attempting to update an existing record, update the SRI in the file. If you are attempting to insert a new record, check the composite fields submitted for accuracy and resubmit."
- o <u>Rule to be created in V14</u>
- o An Admission record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
    - o Admission: Submitting Entity + Provider + ParentTreatmentEpisode + ProgramAreaCode + AdmissionDate
        - ProgramAreaCode rules:
            - If ProgramAreaCode 1 exists, PAC 5 will be rejected
            - If ProgramAreaCode 2 exists, PAC 5 will be rejected
            - If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
            - If ProgramAreaCode 3 exists, PAC 6 will be rejected
            - If ProgramAreaCode 4 exists, PAC 6 will be rejected
            - If ProgramAreaCode 6, PAC 3 or 4 will be rejected
- o <u>Error Message when record fails rule:</u> "The ParentTreatmentEpisode + ProgramAreaCode + AdmissionDate combination submitted already exists in the

FASAMS database within the FASAMS version. Duplicate SRIs in FASAMS database: <insert comma separated SRIs (max 10)>

- o Root Cause: If you are attempting to update an existing record, update the SRI in the file. If you are attempting to insert a new record, check the composite fields submitted for accuracy and resubmit."

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- Create Placement Record Unique constraint Rule" within a given Treatment Episode + Admission combination
    - o Rule to be created only in V14
    - o A PlacementRecord record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
        - Composite fields: ParentTreatmentEpisode + ParentAdmission + PlacementCode + StartDate
    - o <u>Error Message when record fails rule:</u> "The ParentTreatmentEpisode + ParentAdmission + PlacementCode + StartDate combination submitted already exists in the FASAMS database within the FASAMS version. Duplicate SRIs in FASAMS database: <insert comma separated SRIs (max 10)>
        - Root Cause: If you are attempting to update an existing record, update the SRI in the file. If you are attempting to insert a new record, check the composite fields submitted for accuracy and resubmit."
- Create "Client-specific Unique Constraint Rule" submitted against a given Submitting Entity + Provider + Treatment Episode
    - o Rule to be created in both V13 and V14
    - o A client-specific record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
        - Composite fields for V13: SSN/PSSN (via EpisodeSRI) + StaffIdentifier + ProgramAreaCode + CoveredServiceCode + HcpcsProcedureCode + ServiceDate + StartTime
            - ProgramAreaCode rules:
                - o If ProgramAreaCode 1 exists, PAC 5 will be rejected
                - o If ProgramAreaCode 2 exists, PAC 5 will be rejected
                - o If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
                - o If ProgramAreaCode 3 exists, PAC 6 will be rejected
                - o If ProgramAreaCode 4 exists, PAC 6 will be rejected

- o If ProgramAreaCode 6, PAC 3 or 4 will be rejected
    - ▪ Composite Fields for V14: SSN/PSSN (via EpisodeSRI) + StaffIdentifier + ProgramAreaCode + CoveredServiceCode + HcpcsProcedureCode + ServiceDate + StartTime + ServiceCountyAreaCode + TreatmentLocaleCode
        - • ProgramAreaCode rules:
            - o If ProgramAreaCode 1 exists, PAC 5 will be rejected
            - o If ProgramAreaCode 2 exists, PAC 5 will be rejected
            - o If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
            - o If ProgramAreaCode 3 exists, PAC 6 will be rejected
            - o If ProgramAreaCode 4 exists, PAC 6 will be rejected
            - o If ProgramAreaCode 6, PAC 3 or 4 will be rejected
- o <u>Error Message when record fails rule:</u> "The Parent TreatmentEpisode + EvaluationDate combination submitted already exists in the FASAMS database within the FASAMS version. Duplicate SRIs in FASAMS database: <insert comma separated SRIs (max 10)>
    - o Root Cause: If you are attempting to update an existing record, update the SRI in the file. If you are attempting to insert a new record, check the composite fields submitted for accuracy and resubmit."
- • Create "Non-client specific Unique Constraint Rule"
    - o Rule to be created in both V13 and V14
    - o A non-client specific record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
        - ▪ Composite fields: ContractNumber + SubcontractNumber + StaffIdentifier + CoveredServiceCode + HcpcsProcedureCode + ServiceDate + StartTime
- • Create "Waiting List Unique Constraint Rule"
    - o Rule to be created in both V13
    - o A waiting list record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
        - ▪ Composite fields: SSN/PSSN + CoveredService + PlacementDate + ProgramAreaCode
            - • ProgramAreaCode rules:

- o If ProgramAreaCode 1 exists, PAC 5 will be rejected
  - o If ProgramAreaCode 2 exists, PAC 5 will be rejected
  - o If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
  - o If ProgramAreaCode 3 exists, PAC 6 will be rejected
  - o If ProgramAreaCode 4 exists, PAC 6 will be rejected
  - o If ProgramAreaCode 6, PAC 3 or 4 will be rejected
- o Rule to be created in both V14
- o A waiting list record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
  - ▪ Composite fields: SSN/PSSN+ CoveredService/ProjectCode + PlacementDate + ProgramAreaCode
    - • ProgramAreaCode rules:
      - o If ProgramAreaCode 1 exists, PAC 5 will be rejected
      - o If ProgramAreaCode 2 exists, PAC 5 will be rejected
      - o If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
      - o If ProgramAreaCode 3 exists, PAC 6 will be rejected
      - o If ProgramAreaCode 4 exists, PAC 6 will be rejected
      - o If ProgramAreaCode 6, PAC 3 or 4 will be rejected

- • Create "Acute Care Unique Constrain Rule"
  - o Rule to be created in both V13 and V14
  - o An acute care record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
    - ▪ Composite fields in BedCapacity entity: Submitting Entity + FederalTaxIdentifier + EffectiveDate + FacilityTypeCode + AgeGroupCode
- • Create "Subcontract Unique Constraint Rule"
  - o Rule to be created in both V13 and V14

- A subcontract record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
  - Composite fields: ContractNumber + SubcontractNumber + AmendmentNumber
- Create "SubcontractService Unique Constraint Rule" within Subcontract Parent
  - Rule to be created in both V13 and V14
  - A subcontract record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
    - Composite fields: ContractNumber + SubcontractNumber + AmendmentNumber + ExpenditureOca + ProgramAreaCode + CoveredServiceCode/ProjectCode + EffectiveDate
      - ProgramAreaCode rules:
      - If ProgramAreaCode 1 exists, PAC 5 will be rejected
      - If ProgramAreaCode 2 exists, PAC 5 will be rejected
      - If ProgramAreaCode 5 exists, PAC 1 or 2 will be rejected
      - If ProgramAreaCode 3 exists, PAC 6 will be rejected
      - If ProgramAreaCode 4 exists, PAC 6 will be rejected
      - If ProgramAreaCode 6, PAC 3 or 4 will be rejected
- Create "SubcontractOCA Unique Constraint Rule"
  - Rule to be created only in V14
  - A subcontract record will be rejected if the following composite fields are submitted **AND** already exist in the database with a different SRI than in the submission file:
    - Composite fields: ContractNumber + SubcontractNumber + AmendmentNumber + ExpenditureOca

4. Build FASAMS Dimensional Model part 2 (14777)

- DCF needs a way to report on both FASAMS Version 13 and Version 14 data within the same reporting database. To achieve this, a unified reporting dimensional model database will be built which combines data from both versions of FASAMS.

- Create matching logic between Version 13 records and Version 14 records

- Create ETL for DimProvider table
  - All Providers are loaded from version 13 to the DimProvider table. From version 14 we match on SubmittingEntity and FederalTaxIdentifier to prevent duplicate DimProvider record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
- Create ETL for DimSubcontract table
  - All Subcontracts are loaded from version 13 to the DimSubcontract table. From version 14 we match on SubmittingEntity +ContractNumber + SubcontractNumber + AmendmentNumber to prevent duplicate DimSubcontract record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
- Create ETL for DimProviderSite table
  - All Provider Sites are loaded from version 13 to the DimProviderSite table. From version 14 we match on SubmittingEntity + Provider + SiteIdentifier to prevent duplicate DimProviderSite record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
- Create ETL for FactWaitingList table
  - All WaitingLists records are loaded from version 13 to the FactWaitingList table. From version 14 we match on SubmittingEntity + ProviderClient + Provider + ProviderSite + Contract + Subcontract + Placement Date to prevent duplicate FactWaitingList record creation. If a record was submitted in version 14, we will ignore any changes from version 13
- Create ETL for FactProviderTreatmentEpisode table
  - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
    - Second try: All Treatment Episodes are loaded from version 13 to the FactProviderTreatmentEpisode table. From version 14 we match on SubmittingEntity + ProviderClient + Provider + ProgramAreaCode + AdmissionDate/ImmediateDischarge.EvaluationDate (Non-discharged/V14 DischargeReasonCode from V13) to prevent duplicate FactProviderTreatmentEpisode record creation. If a record was submitted in version 14, we will ignore any changes from version 13.

- Third try: All Treatment Episodes are loaded from version 13 to the FactProviderTreatmentEpisode table. From version 14 we match on SubmittingEntity + ProviderClient + Provider + ProgramAreaCode + (Non-discharged/V14 DischargeReasonCode from V13) to prevent duplicate FactProviderTreatmentEpisode record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
  - If there is no match on SRI or compsite key then a new record is inserted into the Dim Model
  - Create ETL for FactImmediateDischarge table
    - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
      - All ImmediateDischarges are loaded from version 13 to the FactImmediateDischarge table. From version 14 we match on SubmittingEntity + Provider Treatment Episode + ProviderSite (crosswalk needed) + EvaluationDate to prevent duplicate FactImmediateDischarge record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
  - If there is no match on SRI or compsite key then a new record is inserted into the Dim Model
- Create ETL for FactAdmission (Admission) table
    - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
      - All Admission records are loaded from version 13 to the FactAdmission (Admission) table. From version 14 we match on SubmittingEntity + Provider Treatment Episode + ProviderSite + Subcontract + AdmissionDate to prevent duplicate FactAdmission (Admission) record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
      - If there is no match on SRI or compsite key then a new record is inserted into the Dim Model

- Create ETL for FactAdmission (Discharge) table
    - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
        - All Admission records are loaded from version 13 to the FactAdmission (Discharge) table. From version 14 we match on SubmittingEntity + Provider Treatment Episode + Admission + Discharge Date to prevent duplicate FactAdmission (Discharge) record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
        - If there is no match on SRI or compsite key then a new record is inserted into the Dim Model

- Create ETL for FactEvaluation table
    - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
        - All Evaluations are loaded from version 13 to the FactEvaluation table. From version 14 we match on SubmittingEntity + Provider Treatment Episode + Provider Site + Subcontract + Admission or Discharge + EvaluationDate to prevent duplicate FactEvaluation record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
        - If there is no match on SRI or compsite key then a new record is inserted into the Dim Model

- Create ETL for FactDiagnosis table
    - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
        - All Diagnoses are loaded from version 13 to the FactDiagnosis table. From version 14 we match on SubmittingEntity + Provider Treatment Episode + Admission or Discharge + Start Date to prevent

duplicate FactDiagnosis record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
- If there is no match on SRI or compsite key then a new record is inserted into the Dim Model

- Create ETL for FactPerformanceOutcomeMeasure table
  - First, the ETL process will look for a matching SRI within the Submitting Entity/Provider combo. If no SRI exists, then use compsite keys listed below.
    - All POMs are loaded from version 13 to the FactPerformanceOutcomeMeasure table. From version 14 we match on SubmittingEntity + Provider Treatment Episode + Admission or Discharge + Date to prevent duplicate FactPerformanceOutcomeMeasure record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
    - If there is no match on SRI or compsite key then a new record is inserted into the Dim Model

- Create ETL for FactBedCapacity table
  - All BedCapacities are loaded from version 13 to the FactBedCapacity table. From version 14 we match on SubmittingEntity + Provider/Contract/Subcontract + Effective Date + Facility type + age group to prevent duplicate FactBedCapacity record creation. If a record was submitted in version 14, we will ignore any changes from version 13.

- Create ETL for FactBedTypeCapacity table
  - All BedTypeCapacities are loaded from version 13 to the FactBedTypeCapacity table. From version 14 we match on SubmittingEntity + Provider/Contract/Subcontract + Effective Date + BedType to prevent duplicate FactBedTypeCapacity record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
- Create ETL for FactBedUtilization table

- o All BedUtilizations are loaded from version 13 to the FactBedUtilization table. From version 14 we match on SubmittingEntity + Provider/Contract/Subcontract + Effective Date + CensusDate + Facility type + age group to prevent duplicate FactBedUtilization record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
    - • Create ETL for FactOutcomeMeasure table
        - • All OutcomeMeasures are loaded from version 13 to the FactOutcomeMeasure table. If subcontract/contract has records submitted in v14, delete v13 and use only v14.

- • Create ETL for FactOutputMeasure table
    - • All OutputMeasures are loaded from version 13 to the FactOutputMeasure table. If subcontract/contract has records submitted in v14, delete v13 and use only v14.
- • Create ETL for FactProviderSiteAssociation table
    - • All Provider Site Associations are loaded from version 13 to the DimProviderSite table. From version 14 we match on SubmittingEntity + Provider + SiteIdentifier to prevent duplicate DimProviderSite record creation. If a record was submitted in version 14, we will ignore any changes from version 13
    - • All SubcontractOcas are loaded from version 13 to the FactSubcontractOca table. From version 14 we match on SubmittingEntity + Subcontract + Contract + Provider + ExpenditureOca to prevent duplicate FactSubcontractOca record creation. If a record was submitted in version 14, we will ignore any changes from version 13.
- • Create ETL for FactSubcontractService table
    - ▪ All SubcontractServices are loaded from version 13 to the FactSubcontractService table. From version 14 we match on SubmittingEntity + Subcontract + Contract + Provider + Covered Service/ProjectCode + Effective Date to prevent duplicate FactSubcontractService record creation. If a record was submitted in version 14, we will ignore any changes from version 13
- • Create transformation logic to transform Version 13 data into Version 14 format
    - • **Note: All V13 data will remain in tables but V14 transformed data will also be added to the table**

V13 Admissions (initial and transfer) to V14 Admission + PlacementRecord.StartDate and PlacementRecord.PlacementCode

- V13 Initial Admission
  - Becomes V14 Admission with same AdmissionDate
  - Create new PlacementRecord under V14 Admission
    - V13 Admission.AdmissionDate becomes first V14 PlacementRecord.StartDate
    - V13 Admission.TreatmentSetting becomes V14 PlacementRecord.PlacementCode
      - Based on table in req. 3.3
- V13 Transfer Admission
  - Create new PlacementRecord under Admission
    - V13 Admission.AdmissionDate becomes V14 PlacementRecord.StartDate
    - V13 Admission.TreatmentSetting converts to V14 PlacementRecord.PlacementCode
      - Based on table in req. 3.3

- V13 Discharges (transfer and final) to V14 Discharge + PlacementRecord.EndDate and PlacementRecordOutcomeCode
  - V13 Transfer Discharge (associated with transfer admission)
    - V13 Discharge.DischargeDate becomes V14 PlacementRecord.EndDate
    - V13 Discharge.DischargeReasonCode converts to V14 PlacementRecord.PlacementOutcomeCode
      - Based on table in 3.4
- V13 Final Discharge (associated with initial admission)
  - V13 Discharge.DischargeDate becomes
    - V14 PlacementRecord.EndDate for PlacementRecords without EndDate
    - V14 Discharge.DischargeDate
  - V13 Discharge.DischargeReasonCode converts to V14 PlacementRecord.PlacementOutcomeCode without PlacementOutcomeCodes
    - Based on table in 3.4

- Conversion of TreatmentSettings to PlacementCodes:
  - Treatment Settings: 02
    - Converts to PlacementCode: 2
  - TreatmentSettings: 03 and 72
    - Converts to PlacementCode: 5

- TreatmentSettings: 04, 05, and 74
  - Converts to PlacementCode: 3
- TreatmentSettings: 06, 07, 08, and 73
  - Converts to PlacementCode: 4
- TreatmentSettings: 75
  - Converts to PlacementCode: 1

- Conversion of DischargeReasonCode to PlacementOutcomeCode:
  - DischargeReasonCodes: 1, 4, 24
    - Converts to PlacementOutcomeCode: 1
  - DischargeReasonCodes: 2, 14
    - Converts to PlacementOutcomeCode: 2
  - DischargeReasonCodes: 3, 5, 6, 7, 34, 96, 97
    - Converts to PlacementOutcomeCode: 3

5. Create FASAMS Version Submission Rules (404193)
   - DCF needs a way to prevent Provider data from being submitted into multiple vesrions of FASAMS simultaneously. New rules are required that will prevent Provider data from getting into the system in an earlier version of FASAMS if a later version of FASAMS has already been submitted.

Create Provider Version Data set table
Columns:
- Submitting Entity
- Provider
- Data Set
- Current Version
  - Will display the latest version submitted for the SubmittingEntity-Provider-DataSet combination
- Any other columns identified as necessary by the dev team

(This document will be updated once table columns are finalized)
(As new SubmittingEntity-Provider-DataSet combinations are submitted, new rows will be implemented)
Create Provider rules for V13 and V14 under Provider entity.
- V13 rule: "Latest Version Submitted Required Rule"
  - Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

      Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

- V14 rule: "Latest Version Submitted Required Rule"
  - ○ Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create ProviderClient rules for V13 and V14 under Client entity

- V13 rule: "Latest Version Submitted Required Rule"
  - ○ Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

    Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- V14 rule: "Latest Version Submitted Required Rule"
  - ○ Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create TreatmentEpisode rules for V13 and V14 under TreatmentEpisode entity

- V13 rule: "Latest Version Submitted Required Rule"
  - ○ Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

    Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- V14 rule: "Latest Version Submitted Required Rule"
  - ○ Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create Service Event rules for V13 and V14 under ServiceEvent entity
- V13 rule: "Latest Version Submitted Required Rule"
    - Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

        Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- V14 rule: "Latest Version Submitted Required Rule"
    - Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create WaitingList rules for V13 and V14 under WaitingList entity
- V13 rule: "Latest Version Submitted Required Rule"
    - Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

        Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- V14 rule: "Latest Version Submitted Required Rule"
    - Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create AcuteCare rules for V13 and V14 under BedCapacity entity
- V13 rule: "Latest Version Submitted Required Rule"
    - Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

        Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- V14 rule: "Latest Version Submitted Required Rule"

- o Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create Subcontract rules for V13 and V14 under Subcontract entity
- • V13 rule: "Latest Version Submitted Required Rule"
  - o Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

    Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- • V14 rule: "Latest Version Submitted Required Rule"
  - o Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-Provider-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."

Create ContractTarget rules for V13 and V14 under ContractTarget entity
- • V13 rule: "Latest Version Submitted Required Rule"
  - o Error message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-DataSet combination is currently on a more recent version of FASAMS.

    Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-Provider-DataSet combination."
- • V14 rule: "Latest Version Submitted Required Rule"
  - o Erro message: "The record submitted is in a previous version of FASAMS. The SubmittingEntity-DataSet combination is currently on a more recent version of FASAMS.

Root Cause: Resubmit the record in the correct FASAMS Version for the SubmittingEntity-DataSet combination."

Update job processor to validate new rules against the "Provider Version Data Set" table
If the "Latest Version Submitted Required Rule" fails, reject record.

Add post-processing step to Job Processor to update the "Provider Version Data Set" table if the data set version submitted is a later version for the SE-provider combo.

- If a Delete is submitted then:

The post processing step will assess if any records exist for the SE-Provider-DataSet combination. If not, then the Provider Version Data Set table will revert to the prior FASAMS Version (i.e. if all ProviderClient V14 records are deleted, then the table will update to show Version 13)