Finalized Enhancements

1. Add ODS Created and Updated Timestamps to Reporting Db (445721)
   - DCF requires the EntityCreatedTimestamp and EntityUpdatedTimestamp fields from the ODS tables be added to the Reporting Database to support data requests received from internal and external agency from around the state.

2. Create Suite of Views from Reporting Db (440314)
   - DCF requires the ability to quickly query complex data from the Reporting Database using a series of Views. The Views to be created will be Services, Episodes, Clients, Diagnosis, ACSU, and Catalog of Care.

Add SE FEIN field to FASAMS Portal
   - Add IdentifierType dropdown to Add Submitting Entity panel
     1. IdentifierType is required to create a new Submitting Entity otherwise the user sees a message "Type is required" if they try to add without an FEIN being populated
        a. The ropdown should populate based on the SubmittingEntityIdentifierDisplayNames in the vocabulary
        b. Auto-popualte FEIN
   - Add textbox to Submitting Entity panel where identifier is populated
     1. The textbox is required to populated otherwise the user sees a message "Identifier is required"
     2. Field length not to exceed 50 characters
   - Add Submitting Entity Identifier DisplayName (FederalTaxIdentifier IdentifierType for FASAMS) field to Submitting Entity Workspace screen
     1. Field is populated with the FEIN from the Add Submitting Entity panel

Create new child table to Submitting Entity Table and add FEINs
   - Create child table to Submitting Entity table named SubmittingEntityIdentifier
     o Table columns:
        - IdentifierTypeCode
        - IdentifierDisplayName
        - Identifier
          - Identifier field must not exceed 50 characters
   - Write post deployment script to populate FEINs for Submitting entities that already exist
     o The new FEIN column in the SubmittingEntityIdentifier table will allow the new Suite of Views to dynamically include new submitting entities if/when they are added to the system in the future. This will be done by linking the Contract Module data with the Submitting Entity via FEIN

Create Suite of Views from Reporting Database

- Develop Services View from the Reporting Database based on Rich's code and the FEI dev team's agreed upon recommendations stored in the Views for FASAMS document referenced in the SUPPORTING DOCUMENTS AND REFERENCES section above.
- Develop Episodes View from the Reporting Database based on Rich's code and the FEI dev team's agreed upon recommendations stored in the Views for FASAMS document referenced in the SUPPORTING DOCUMENTS AND REFERENCES section above..
- Develop Clients View from the Reporting Database based on Rich's code and the FEI dev team's agreed upon recommendations stored in the Views for FASAMS document referenced in the SUPPORTING DOCUMENTS AND REFERENCES section above..
- Develop Diagnosis View from the Reporting Database based on Rich's code and the FEI dev team's agreed upon recommendations stored in the Views for FASAMS document referenced in the SUPPORTING DOCUMENTS AND REFERENCES section above..
- Develop ACSU View from the Reporting Database based on Rich's code and the FEI dev team's agreed upon recommendations stored in the Views for FASAMS document referenced in the SUPPORTING DOCUMENTS AND REFERENCES section above..
- Develop Catalog of Care View from the Reporting Database based on Rich's code and the FEI dev team's agreed upon recommendations stored in the Views for FASAMS document referenced in the SUPPORTING DOCUMENTS AND REFERENCES section above.

3. Update Rule Collections (CGAS, DisorderCode, ProgramAreaCode) (440311)
    - The managing entities and DCF have identified a series of rule changes that will enhance the FASAMS system. In the Treatment Episode data set, the Managing entities have identified that the current rules governing DisorderCode and CGAS should be updated to more accurately reflect the business practice at the provider level. In the Service Event data set, DCF has identified that a new rule is required to prevent ProgramAreaCodes 5 and 6 from being submitted.
        - Create DisorderCode Rule in Treatment Episode
            1. New rule name: "RouteOfAdministrationCodeMustNotBeProvidedIfDisorderCodeIs98Or99Rule"
                a. Rule logic: An error will trigger in FASAMS if the RouteOfAdministrationCode is submitted and the DisorderCode submitted equals 98 or 99
                b. Error message: "RouteOfAdministrationCode must not be provided if DisorderCode is 98 or 99.

                    1. Root Cause: RouteOfAdministrationCode is populated in file"
            2. New rule name: "FrequencyOfUseCodeMustNotBeProvidedIfDisorderCodeIs98Or99Rule"
                a. Rule logic: An error will trigger in FASAMS if the FrequencyOfUseCode is submitted and the DisorderCode submitted equals 98 or 99
                b. Error message: "FrequencyOfUseCode must not be provided if DisorderCode is 98 or 99.

        1. Root Cause: RouteOfAdministrationCode is populated in file"

  3. New rule name: "FirstUseAgeMustNotBeProvidedIfDisorderCodeIs98Or99Rule"

    a. Rule logic: An error will trigger in FASAMS if the FirstUseAge is submitted and the DisorderCode submitted equals 98 or 99

    b. Error message: "FirstUseAge must not be provided if DisorderCode is 98 or 99.

        1. Root Cause: RouteOfAdministrationCode is populated in file"

- Update CFAS Rules in Treatment Episode
  1. New rule name: "CGASRequiredForFirstEvaluationInAdmission"
     - Rule logic: Within in Evaluation entity, ToolCode of code 9 is required when an Admission is first submitted, and the ProgramAreaCode = 3 or 6, and the Age of Client is >= 5 otherwise an error occurs.
       - Age of Client would be identified at AdmissionDate
     - Error Message: "CGAS (9) ToolCode, under Evaluation, is required to be submitted when an Admission is first submitted, ProgramAreaCode is 3 or 6, and client >=5.

       1.Root Cause: ToolCode 9 in Evaluation entity is not populated in file"
         - Note: This rule should be applied in both V13 an V14. In V13, the rule should only apply to Initial Admisison which are TypeCode of 1.
  2. Remove rules:
     - "Evaluation With CGAS Tool Code Required For Admission Performance Outcome Measure Rule"
     - "Evaluation With CGAS Tool Code Required For Discharge Performance Outcome Measure Rule"
- Restrict ProgramAreaCode in Service Event
  1. New rule name: "ProgramAreaCodeMustBeValidRule"
     - Rule Logic: Prevent the submission of Program Area Codes 5 and 6
     - Error Message: "Not a valid Program Area Code.

       1. Root Cause: The Program Area Code submitted is not valid for the data set you are submitting"

4. Remove Undo Delete Function from FASAMS

- DCF and the submitting entities require the undo delete function be removed from FASAMS.
    - Remove undo-delete code from FASAMS
    - Update code to allow a user to submit a record with the same SRI as a record that was previously deleted
        1. No error should occur in this scenario
        2. Note: the system should not undo delete a previously deleted record in this scenario
    - Create new error when Undo-delete is submitted
        1. Error is trigged when a user submits an XML with action="undo-delete">
        2. Error Message: "FASAMS does not support Action = "undo-delete" in XML files.

            Root Cause: The File submitted contains undo-delete action type"

5. Add Eff-Exp Dates to SubcontractOCA
    - Add Fields and Rules to SubcontractOCA Entity
    - New field name: EffectiveDate
        - Rule: "Effective Date Required Rule"-- to be turned off at deployment
            1. Error Message: "Effective date is required.

                Root Cause: EffectiveDate is not populated in file"

        - Rule: "Effective Date No Earlier Than Subcontract Effective Date Rule"
            1. Error Message: "Must be greater than or equal to the Subcontract.EffectiveDate.

                Root Cause: Date is earlier than EffectiveDate in file"

        - Rule: "Effective Date No Later Than Subcontract Expiration Date Rule"
            1. Error Message: "Must be less than or equal to the Subcontract.ExpirationDate.

                Root Cause: Date is later than ExpirationDate in file"

        - Note: if SubcontractOCA.EffectiveDate is submitted then:
            1. the rule that compares an OCA's EffectiveDate (from Vocab) to the Subcontract.EffectiveDate should be ignored and now
                a. the rule should compare the SubcontractOCA.EffectiveDate to the OCA's EffectiveDate (from Vocab)

    - New field name: ExpirationDate

- Rule: "Expiration Date Required Rule" – to be turned off at deployment
    1. Error Message: "Expiration Date is required.

        Root Cause: ExpirationDate is not populated in file"
- Rule: "Expiration Date No Earlier Than Subcontract Effective Date Rule"
    1. Error Message: "Must be greater than or equal to the Subcontract.EffectiveDate.

        Root Cause: Date is earlier than Subcontract EffectiveDate in file"
- Rule: "Expiration Date No Later Than Subcontract Expiration Date Rule"
    1. Error Message: "Must be less than or equal to the Subcontract.ExpirationDate.
        Root Cause: Date is later than Subcontract ExpirationDate in file
- Note: if SubcontractOCA.ExpirationDate is submitted then:
    1. the rule that compares an OCA's ExpirationDate (from Vocab) to the Subcontract.ExpirationDate should be ignored and now the
    2. the rule should compare the SubcontractOCA.ExpirationDate to the OCA's ExpirationDate (from Vocab)
6. Grant MEs Access to Base Tables via SSMS Part 2
    - The Managing Entities that submit data to FASAMS have requested direct access to the database tables via SSMS so they can verify their data saved in the FASAMS system properly after submission. DCF needs a way to control the access to SSMS via the Portal so they are not reliant on helpdesk tickets to grant this access.
        - **Synchronize SSMS User Access with FASAMS**
            1. Synchornize a users access to SSMS data to be the same as the access currently in FASAMS
            2. Synchronize a users credentials in SSMS to be the same as their credentials in FASAMS PRD
                a. Users must reset password after role is granted to synchronize Portal and SSMS password
        - **Create SSMS Permissions**

Create new Permission: "FASAMS SSMS Base Table Access"
- **This roles grants read-only access to the following tables:**

Schema	Table
AcuteCareModule	BedCapacity
AcuteCareModule	BedCapacityBedType
AcuteCareModule	BedUtilization
AcuteCareModule	PayorClassBedOccupancy
AcuteCareVersion14Module	BedCapacity
AcuteCareVersion14Module	BedCapacityBedType
AcuteCareVersion14Module	BedUtilization
AcuteCareVersion14Module	PayorClassBedOccupancy

Summary of Enhancements 2021.07.0 (Q4 2020-2021)
{released to UAT 7/1/2021, released to PROD 8/1/2021}

ContractModule	Contract
ContractModule	ContractOutcomeMeasure
ContractModule	ContractOutputMeasure
ContractModule	ContractTarget
ContractModule	OutcomeMeasureCoveredService
ContractVersion14Module	ContractOutcomeMeasure
ContractVersion14Module	ContractOutputMeasure
ContractVersion14Module	ContractTarget
LicensingModule	ProviderLicensingInformation
ProviderModule	Provider
ProviderModule	ProviderClient
ProviderModule	ProviderClientEmailAddress
ProviderModule	ProviderClientIdentifier
ProviderModule	ProviderClientPhone
ProviderModule	ProviderClientPhysicalAddress
ProviderModule	ProviderSite
ProviderModule	ProviderSiteLicenseIdentifier
ProviderModule	ProviderSitePhone
ProviderModule	ProviderSitePhysicalAddress
ProviderModule	ProviderTreatmentSetting
ProviderModule	ProviderTreatmentSettingCoveredService
ProviderModule	ProviderTreatmentSettingProgramArea
ProviderVersion14Module	Provider
ProviderVersion14Module	ProviderClient
ProviderVersion14Module	ProviderClientEmailAddress
ProviderVersion14Module	ProviderClientIdentifier
ProviderVersion14Module	ProviderClientPhone
ProviderVersion14Module	ProviderClientPhysicalAddress
ProviderVersion14Module	ProviderSite
ProviderVersion14Module	ProviderSiteCoveredService
ProviderVersion14Module	ProviderSiteLicenseIdentifier
ProviderVersion14Module	ProviderSitePhone
ProviderVersion14Module	ProviderSitePhysicalAddress
ProviderVersion14Module	ProviderSiteProgramArea
ServiceEventModule	ServiceEvent
ServiceEventModule	ServiceEventCoveredServiceModifier
ServiceEventModule	ServiceEventExpenditureModifier
ServiceEventModule	ServiceEventHcpcsProcedureModifier
ServiceEventVersion14Module	ServiceEvent
ServiceEventVersion14Module	ServiceEventCoveredServiceModifier
ServiceEventVersion14Module	ServiceEventExpenditureModifier

Summary of Enhancements 2021.07.0 (Q4 2020-2021)
{released to UAT 7/1/2021, released to PROD 8/1/2021}

ServiceEventVersion14Module	ServiceEventHcpcsProcedureModifier
SubcontractModule	Subcontract
SubcontractModule	SubcontractOutcomeMeasure
SubcontractModule	SubcontractOutputMeasure
SubcontractModule	SubcontractService
SubcontractVersion14Module	Subcontract
SubcontractVersion14Module	SubcontractOCA
SubcontractVersion14Module	SubcontractOutcomeMeasure
SubcontractVersion14Module	SubcontractOutputMeasure
SubcontractVersion14Module	SubcontractService
TreatmentEpisodeModule	Admission
TreatmentEpisodeModule	ClientDemographic
TreatmentEpisodeModule	Diagnosis
TreatmentEpisodeModule	Discharge
TreatmentEpisodeModule	EducationAndEmployment
TreatmentEpisodeModule	Evaluation
TreatmentEpisodeModule	FinancialAndHousehold
TreatmentEpisodeModule	Health
TreatmentEpisodeModule	ImmediateDischarge
TreatmentEpisodeModule	Legal
TreatmentEpisodeModule	Medication
TreatmentEpisodeModule	MentalHealth
TreatmentEpisodeModule	PerformanceOutcomeMeasure
TreatmentEpisodeModule	PerformanceOutcomeMeasureTargetPopulation
TreatmentEpisodeModule	ProviderTreatmentEpisode
TreatmentEpisodeModule	Recovery
TreatmentEpisodeModule	StabilityOfHousing
TreatmentEpisodeModule	SubstanceUseDisorder
TreatmentEpisodeVersion14Module	Admission
TreatmentEpisodeVersion14Module	ClientDemographic
TreatmentEpisodeVersion14Module	Diagnosis
TreatmentEpisodeVersion14Module	Discharge
TreatmentEpisodeVersion14Module	EducationAndEmployment
TreatmentEpisodeVersion14Module	Evaluation
TreatmentEpisodeVersion14Module	FinancialAndHousehold
TreatmentEpisodeVersion14Module	Health
TreatmentEpisodeVersion14Module	ImmediateDischarge
TreatmentEpisodeVersion14Module	Legal
TreatmentEpisodeVersion14Module	Medication
TreatmentEpisodeVersion14Module	MentalHealth
TreatmentEpisodeVersion14Module	PerformanceOutcomeMeasure

TreatmentEpisodeVersion14Module	PerformanceOutcomeMeasureTargetPopulation
TreatmentEpisodeVersion14Module	PlacementRecord
TreatmentEpisodeVersion14Module	ProviderTreatmentEpisode
TreatmentEpisodeVersion14Module	Recovery
TreatmentEpisodeVersion14Module	StabilityOfHousing
TreatmentEpisodeVersion14Module	SubstanceUseDisorder
WaitingListModule	WaitingList
WaitingListVersion14Module	WaitingList

- o

- Create new Permission: "FASAMS SSMS Reporting Db Table Access"
- This roles grants read-only access to the following tables:
  - o BridgeCoveredServiceModifierGroup
  - o BridgeExpenditureModifierGroup
  - o BridgeHcpcsProcedureModifierGroup
  - o DimAdmissionAttribute
  - o DimAdmissionIdentifier
  - o DimAgeGroup
  - o DimBedCapacityBedTypeIdentifier
  - o DimBedCapacityIdentifier
  - o DimBedType
  - o DimBedUtilizationIdentifier
  - o DimBudgetAttribute
  - o DimClient
  - o DimContract
  - o DimContractOutcomeMeasureTargetIdentifier
  - o DimContractOutputMeasureTargetIdentifier
  - o DimCoveredService
  - o DimCoveredServiceModifier
  - o DimCoveredServiceModifierGroup
  - o DimDate
  - o DimDiagnosis
  - o DimDiagnosisIdentifier
  - o DimDischargeAttribute
  - o DimDischargeIdentifier
  - o DimEvaluationAttribute
  - o DimEvaluationIdentifier
  - o DimExpenditureModifier
  - o DimExpenditureModifierGroup
  - o DimExpenditureOca
  - o DimFacilityType
  - o DimHcpcsProcedureModifier
  - o DimHcpcsProcedureModifierGroup
  - o DimImmediateDischargeIdentifier
  - o DimMedicaidEncounterType
  - o DimOutcomeMeasure
  - o DimPaymentMethod
  - o DimPaymentType

Summary of Enhancements 2021.07.0 (Q4 2020-2021)
{released to UAT 7/1/2021, released to PROD 8/1/2021}

- DimPayorClass
- DimPayorClassBedOccupancyIdentifier
- DimPerformanceOutcomeMeasureAttribute
- DimPerformanceOutcomeMeasureIdentifier
- DimPlacement
- DimPlacementOutcome
- DimPlacementRecordIdentifier
- DimPopulation
- DimProgramArea
- DimProject
- DimProvider
- DimProviderClient
- DimProviderLicenseAttribute
- DimProviderSite
- DimProviderTreatmentEpisodeIdentifier
- DimServiceCategory
- DimServiceEventAttribute
- DimServiceEventIdentifier
- DimServiceEventModifier
- DimServiceEventModifierGroup
- DimServiceSetting
- DimStaff
- DimSubcontract
- DimSubcontractOcaIdentifier
- DimSubcontractOutcomeMeasureTargetIdentifier
- DimSubcontractOutputMeasureTargetIdentifier
- DimSubcontractServiceIdentifier
- DimSubmittingEntity
- DimTreatmentSetting
- DimUnitOfMeasure
- DimWaitingListAttribute
- DimWaitingListIdentifier
- FactAdmission
- FactBedCapacity
- FactBedProviderLicense
- FactBedTypeCapacity
- FactBedUtilization
- FactBudget
- FactDiagnosis
- FactEvaluation
- FactImmediateDischarge
- FactMedicaidEncounter
- FactOutcomeMeasureTarget
- FactOutputMeasureTarget
- FactPayorClassBedOccupancy
- FactPerformanceOutcomeMeasure
- FactProviderTreatmentEpisode
- FactServiceEvent
- FactSubcontractOca
- FactSubcontractService
- FactWaitingList

- o PLUS Views created for Rich for reporting
- Create new Permission in FASAMS: "FASAMS SSMS All Access"
  - o This permission allows a user to see all tables in the SSMS database
- This will be the same as the 'Read Only' role in SSMS with the above name
- An SSMS database role will be created to reflect the table access of this permission
- Should this be controlled by SE?

- **Create New Roles in UI**
  Create "FASAMS SSMS Base Table Access" role
  - o Role Name: FASAMS SSMS Base Table Access
    - ▪ Permission included
      - • FASAMS SSMS Base Table Access
  - • Granting a user this role will:
    - ▪ create an SSMS account with the same login credential the user uses to access FASAMS PRD
    - ▪ allow user to see the tables identified is Requirement 2.1
  Create "FASAMS SSMS Reporting Db Table Access" role
  - o Role Name: FASAMS SSMS Reporting Db Table Access
    - ▪ Permission included
      - ▪ FASAMS SSMS Reporting Db Table Access
  - • Granting a user this role will:
    - ▪ create an SSMS account (if it does not already exist) with the same login credential the user uses to access FASAMS PRD
    - ▪ allow user to see the tables identified is Requirement 2.2
  Create "FASAMS SSMS All Access" role
  - o Role Name: FASAMS SSMS All Access
    - ▪ Permission included
      - • FASAMS SSMS All Access
  - o Granting a user this role will:
    - ▪ create an SSMS account (if it does not already exist) with the same login credential the user uses to access FASAMS PRD
    - ▪ allow user to see the tables identified is Requirement 2.3
      - • this role will not be blocked from SSMS by the daily ETL job that revokes access to SSMS
      - • When a user has the FASAMS SSMS Reporting Db Table Access role or the FASAMS Base Table Access role then an error will generate, preventing the role from being added.
        - o Error message: "The user is not permitted to have X role and FASAMS SSMS All Access at the same time. Please remove X role and re-add FASAMS SSMS All Access to resolve"
7. Update FASAMS DDI Func Req Doc (401780)
   - • DCF requires the FASAMS Functional Design Document be updated to include changes from the various enhancements since DDI.
8. Remove dashes from SSN and PSSN prior to saving in Db (316497)
   - • DCF requires that SSNs and PSSNs be loaded into the database without dashes to make reporting easier for the SAMH team.
     - • **Remove Dashes from SSn and PSSN Prior to Saving in Db**

a. Update code to remove dashes from SSNs and PSSNs after passing business rules and prior to being loaded into the database. This applies to V13 and V14
b. Create and run script to remove all dashes from SSNs and PSSNs that are currently stored in the Train, UAT, and PRD databases. This applies to V13 and V14
c. Create and run script to remove all dashes from SSNs and PSSNs that are currently stored in the Train, UAT, and PRD Reporting databases. This applies to V13 and V14

- **Update Client Search Report**
  - Update Client Search report so dashes are removed prior to executing queries when dashes are included in an SSN or PSSN search
    - The user should be able to search on SSNs or PSSNs, with dashes, and the report should return results