Medicaid Management Information System Replacement (MMISR) Project

SI11 – Software-as-a-Service (SaaS) Configurations for Enterprise Designs – Increment 2 – Task 6.0 – Interface Implementation Plan Phase 1 (Data Services [DS] and Financial Services [FS])

HSD Deliverable Owner: Paula Morgan
Contractor Deliverable Owner: Spruce-KPMG Team
Configuration Number: v2.0
Date: August 19, 2022

Table of Contents

Table of Tables

Table of Figures

1.0 Introduction

The New Mexico (NM) Human Services Department (HSD) has adopted the Health and Human Services (HHS) 2020 vision, a transformational, enterprise-wide approach to the HHS business. HHS 2020 will move service delivery from a program-centric approach to a citizen-centric approach. In addition, HSD will migrate away from program and technology silos into an integrated, flexible framework that supports service delivery and stakeholder interaction across HHS programs and organizations. HHS 2020 is technology-enabled, but includes rethinking organizational design, redesigning and streamlining business processes, and reducing barriers between organizations within the HHS enterprise. Please see Section 1: Introduction in Project Management Plan (PMO1) for a detailed Medicaid Management Information System Replacement (MMISR) project overview (link provided in Appendix C Section 12.3 of this document).

The NM HSD selected the Spruce-KPMG Team as its MMISR System Integrator (SI) to assess, evaluate, design, plan, and develop the integration platform for an information system to coordinate functions and operations between multiple agency systems and service modules.

2.0 Purpose

As part of the Spruce-KPMG Team Statement of Work (SOW), the Spruce-KPMG Team will provide Deliverable Number 11: Software-as-a-Service (SaaS) Configurations for Enterprise Designs – Increment 2 - Task 6.0 - Interface Implementation Plan Phase 1 (Data Services [DS] and Financial Services [FS]) (SI11). The purpose of SI11 – SaaS Configurations for Enterprise Designs – Increment 2 - Task 6.0 - Interface Implementation Plan Phase 1 (DS and FS) is to provide the approach to collect interface information for DS and FS Module, creating a To Be catalog, and managing information for future module integration. The intended audience for this document includes the HSD-designated reviewers of SI11 – SaaS Configurations for Enterprise Designs – Increment 2 – Task 6.0 – Interface Implementation Plan Phase 1 (DS and FS) as defined in the Resource Needs spreadsheet on the NM SharePoint.

3.0 Goal

The goal of SI11 – SaaS Configurations for Enterprise Designs – Increment 2 – Task 6.0 – Interface Implementation Plan Phase 1 (DS and FS) is to create an approach and implementation plan for the analysis, design, development, and management of interfaces leveraging the system integration platform (SIP) in compliance with the HHS 2020 vision. It will include the creation of a To-Be Interface Catalog for DS and FS based on the Spruce-KPMG Team's collaborative analysis of the As-Is Interface Catalog and the Business Transformation Council (BTC) Journeys. This document will also include the approach to utilize and manage the catalog to support DS and FS Module integration activities.

4.0 Scope

Based on the agreed-upon SOW, the scope of SI11 – SaaS Configurations for Enterprise Designs – Increment 2 - Task 6.0 - Interface Implementation Plan Phase 1 (DS and FS) includes:

Table 1 - Scope

Task Item	Sub Tasks	Description
6.0 Develop Interfaces Implementation Plan for Interfaces – Phase 1 (Increment 2)		
	6.1	Contractor will assess As-Is interface catalog for the Interface Management Plan for onboarding DS and Financial Services (FS) modules. a) Identify which interfaces need to be integrated for the module integration to support the BTC Journeys and user stories provided by the Medical Assistance Division (MAD) b) Elicit requirements from business subject matter experts (SMEs), Procuring Agency technical SMEs, and enterprise sharing of interface(s)
	6.2	Contractor will create backlog of interfaces.
	6.3	Contractor will create interface projects in combination with end-to-end system flows.

5.0 Approach

Per the HHS 2020 vision, an interface is defined as a point or mechanism through which two (2) systems, subjects, or organizations meet and interact. In technical terms, an interface is a shared boundary across which two (2) or more separate components of a computer system exchange information. The exchange can be between software, computer hardware, peripheral devices, humans, or a combination of these. Exchange of information is accomplished with a defined data structure and a defined mechanism from a source to a target. For the purpose of this document, interfaces will be defined as file-based data exchanges which have specific file formats that need to be adhered (for e.g. DS) or consumed (System Migration Repository [SMR], MDM source files). One of the artifacts, the To-Be interface catalog, will include File-Based data exchanges. The Spruce-KPMG Team collaborated with NM HSD to analyze and validate information in the As-Is Interface catalog and created the To-Be catalog. The To-Be catalog will be used as one of the input information to plan the Interface Implementation.

The Interface Implementation Plan identifies tasks and activities along with the methodology and sequencing that will be needed for a successful implementation of MMSIR module integration or Integration Partners integration identified in Exhibit D of the HSD-Spruce Contract. The Implementation Plan will also include an approach to planning and scheduling with any known constraints or assumptions.

The following figure shows a high-level approach towards the Interface Implementation Plan.

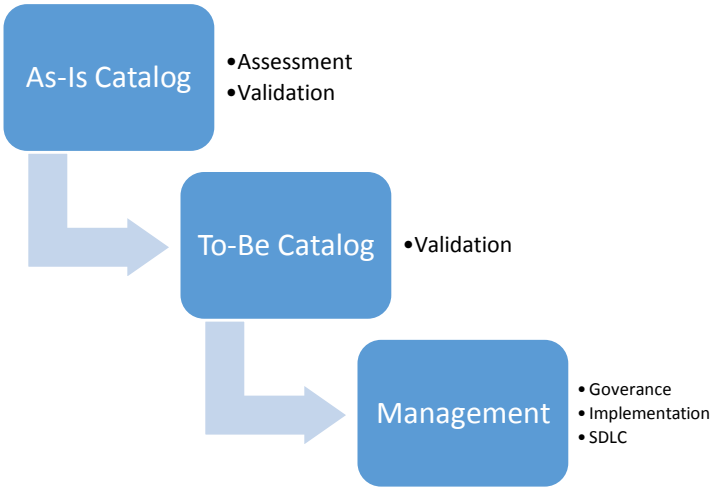

Figure 1 - High-level Approach

This approach was taken to analyze the interfaces for each module with the support of NM HSD to validate the interfaces and confirm the available information. The result of this process would lead to the To-Be Interface Catalog and a process to manage going forward.

6.0 Roles and Responsibilities

Table 2 - Roles and Responsibilities

Role	Responsibilities
SI Deliverable Team	• Conduct deliverable kickoff • Develop Deliverable Expectations Document (DED) and obtain approval following the established review process • Perform the scope of work defined in the contract for the deliverable • Develop deliverable and coordinate with HSD throughout the established review process to address reviewer feedback
Deliverable Review Team	• Participate in Knowledge Transfer (KT) sessions and provide documentation and related information to SI Deliverable Team • Participate in deliverable kickoff and draft assessment walkthroughs • Review deliverable in alignment with the Request for Quote (RFQ), proposal, and contract
Enterprise Project Management Office (EPMO)	• Review the deliverable against the "Deliverable Standards Acceptance Criteria" checklist and provide comments, as applicable
Independent Verification and Validation (IV&V)	• Review deliverable in alignment with the RFQ, proposal, and contract
HSD Contract Manager	• Provides notification to the SI Deliverable Team of rejection or approval of the deliverable • Coordinates the completion of the Deliverable Approval Signature Form

Role	Responsibilities
HSD Project Manager (PM)	• Coordinates SME reviews of the deliverable • Coordinates the submission and tracking of comments provided by reviewers on the deliverable • Communicates status of the deliverable to the HSD Contract Manager, SI Deliverable Team, Deliverable Review Team, EPMO, and IV&V

7.0 Risk Mitigation Methods

To help mitigate risks throughout the deliverable development process, the Spruce-KPMG Team maintained consistent and open communication with HSD key resources. The Spruce-KPMG Team and NM HSD held routine, collaborative sessions throughout interface catalog analysis process. During module integration, the Spruce-KPMG Team will continue to collaborate with NM HSD team and module contractor to properly govern the interface catalog and manage implementation processes.

8.0 Assumptions/Constraints/Risks

This section documents any assumptions made, constraints considered, and risks identified that affected the development of the deliverable.

8.1 Assumptions

- The Spruce-KPMG Team will be accounting only active and unique interfaces from the As-Is Interface Catalog provided by NM HSD.
- The As-Is Interface Catalog is a reliable starting point and includes necessary interfaces from legacy systems such as Omnicaid and Automated System Program and Eligibility Network (ASPEN).
- The To-Be Interface Catalog is a 'work in progress' and will not be finalized until the discovery sessions with each module are held and interface implementations are completed.
- The To-Be Interface Catalog does not represent the future state. It is an intermediate step in achieving the HHS2020 vision for the future state.
- SIP assumes that the DS and FS Module file integrations are pass-through data exchanges – where SIP only performs transportation of the file from source to target without any processing of the file’s content.
- SIP is not required to load data in any table or database other than maintaining a log, monitoring status, or archiving files.
- The DS and FS Modules will follow SIP’s integration standards and best practices.
- SIP will not connect to any legacy system to pull the file or push files.
- DS or FS Modules will use the SIP Managed File Transfer (MFT) managed folders to send the files or to retrieve the files.
- The implementation plan assumes that integration partners and module contractors will work with HSD and the Spruce-KPMG Team to resolve any schedule timeline conflicts or technical constraints for the plan execution.

- Memorandum of Understanding (MoU) with Module contractor and/or integration partner for information exchange will be established and managed by the Data Governance Council (DGC).

8.2 Constraints

- There are not any known constraints currently.

8.3 Risks

- Simultaneous onboarding of multiple MMISR Modules or integration partners to SIP may create complex dependencies and schedule conflicts for the Spruce-KPMG Team implementation plan and HSD resources.

9.0 As-Is Interface Catalog Assessment for DS and FS Modules

The Spruce-KPMG Team performed the assessment of interfaces using the existing As-Is Interface Catalog, with NM HSD assistance and supplemental analysis of existing documentation (such as existing Interface Control Document [ICD] Lites). The activity focused on assessing the As-Is catalog for completeness for the key business and technical information to support future interface implementation for the SIP. The following information from the As-Is interface catalog was validated and updated where applicable to be included in To-Be catalog:

Table 3 – As-Is Interface Catalog Column Names

As-Is Interface Catalog Column Name	Description
Interface Name	The user-assigned name of the interface.
Interface Description	Short description or purpose of the interface (what/why).
Medicaid Information Technology Architecture (MITA) Business Area	The Centers for Medicare and Medicaid Services (CMS)-defined areas that the interface falls under.
MITA Business Process	The relevant process under the MITA Business Area which the interface belongs to.
Source System	System where the data originates (the initial sending system).
Target System	System where the data ultimately ends up (the final receiving system).
Data Format	Format of the structured data being transmitted.
Data Classification	The type of data being sent (such as Personal Identifiable Information [PII], Protected Health Information [PHI], Federal Tax Information [FTI], Public).
Frequency	When or how often data is exchanged across the interface (such as Daily, Weekly, Monthly, Quarterly, Annually).
Business Process Trigger	Initiating condition or event for the interface processing to occur.

This information was assessed for any gaps that is needed when performing discovery sessions with the DS Module and FS Module.

The As-Is Interface sources include:

- As-Is Omnicaid Interfaces
- As-Is ASPEN Interfaces
- ICD Lites

Links to the documentation can be found in Appendix C Section 12.3 of this document. The below diagram describes the sources of As-Is interfaces:

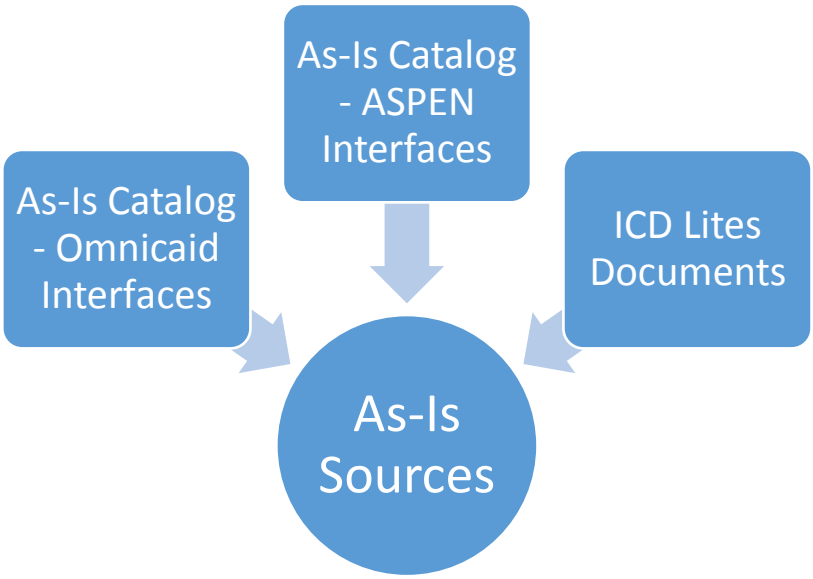

Figure 2 – As-Is Interface Sources

Upon completion of the assessment of As-Is Interfaces, the interfaces were then transferred to an agreed-upon template for the To-Be Interface Catalog. These can be found linked in Appendix C Section 12.3. The remaining gaps in the To-Be catalog will be filled during their respective discovery sessions with the DS and FS Modules.

For the Interface Implementation Plan, the As-Is Interface Catalog served as a starting point confirmed by the HSD Technical Subject Matter Experts (SMEs). Based on the knowledge of the HSD Technical SMEs, this catalog was created by collaborating with Business SMEs before the Spruce-KPMG Team engagement. The Spruce-KPMG Team worked directly with HSD Technical SMEs. At the time of module discovery, the Spruce-KPMG Team will be working closely with the module contractor as well as HSD technical and business resources.

10.0 To-Be Interface Catalog Generation for DS and FS Modules

This Interface Management Plan describes the approach to developing the To-Be Interface Catalog for the DS and FS modules, which is identified and discovered from the As-Is Interface Catalog of Omnicaid and ASPEN, BTC journeys, and passthrough files related to the DS Module. A well-documented and

prioritized To-Be interface catalog will be inputted into modules/integration partners onboarding process, which will help with modernizing the HHS2020 enterprise and achieve MITA business interfaces compliant with the CMS' Seven (7) Standards and Conditions.

The following figure shows the high-level process from the As-Is Interface Catalog to the To-Be Interface Catalog:

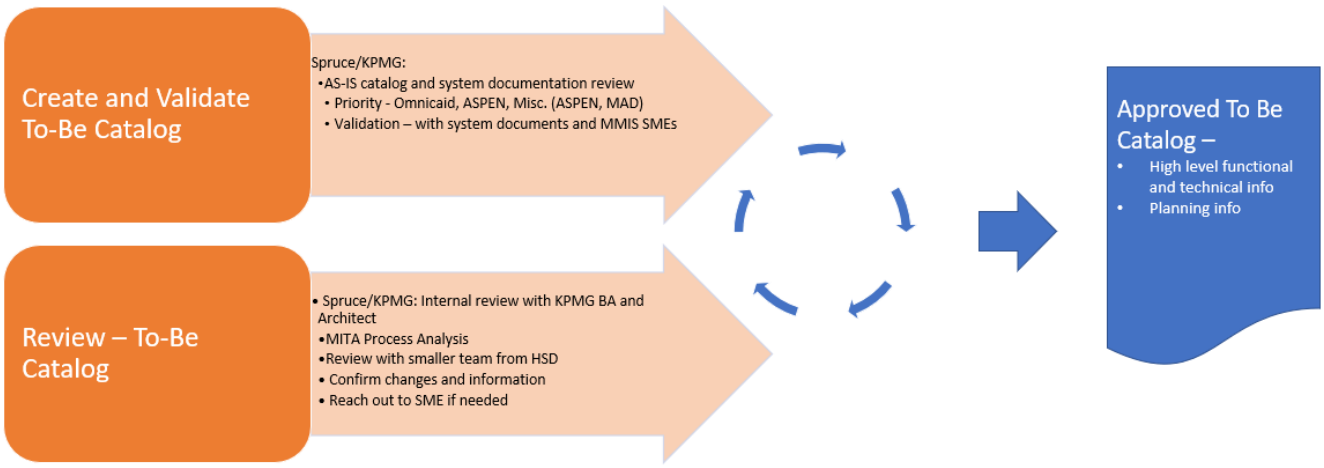

Figure 3 – Process From As-Is Catalog to To-Be Catalog

10.1 To-Be Interface Catalog Generation

The Spruce-KPMG Team, with NM HSD assistance, performed the analysis of the DS and FS interfaces using the As-Is interface catalog provided by NM HSD.

The following discovery process helped to identify the DS and FS interfaces:

- Validate the ASPEN and Omnicaid As-Is interface catalog and ICDs to identify the To-Be source system and To-Be Target system as part of the HHS2020 modules.
- Identify and review potential modules that can replace Omnicaid functionalities and use that information to create To-Be source and To-Be target modules.
- Passthrough data files from ASPEN and other sources sending to DS Module to generate reports and data analytics.
- Perform internal validation to identify and verify the MITA Business Area and MITA Business Process, and link the Potential BTC Journeys/Business Service for each interface.
- Shared the To-Be interface catalog containing DS and FS interfaces with the NM HSD team to review. The To-Be DS and FS interfaces can be found linked in Appendix C Section 12.3 of this document.

When generating the To-Be Interface Catalog, the Spruce-KPMG Team added the following additional business and technical fields to capture for each interface:

Table 4 - To-Be Catalog Business Fields

To-Be Interface Catalog Column Name	Description
To-Be Source System	For inbound files, DS and FS are identified as source partners to send the files to the target system using the SIP MFT platform.
To-Be Target System	For outbound files, DS and FS are identified as target partners to receive the files from the source system using the SIP MFT platform.
MITA Business Area	As part of the To-Be interface analysis, the Spruce-KPMG Team worked to link the valid business area to each interface, if the interfaces are already assigned and validated.
MITA Business Process	As part of the To-Be interface analysis, the Spruce-KPMG Team worked to link the valid business process to each interface, if the interface already assigned and validated.
Potential BTC Journey/ KPMG Resource Integration Suite – Connected (KRIS-C) Business Service/Integration Name	These come from the Medicaid Management Information System (MMIS) SMEs as well as from the SI11 – SaaS Configurations for Enterprise Designs – Increment 1 – 1.0 – Develop Orchestration Plan – Integration Backlog, which can be found linked in Appendix C Section 12.3 of this document

Table 5 - To-Be Catalog Technical Fields

To-be Interface Catalog Column Name	Description
Interface Status	This field indicates the interface will carry forward to future implementation as part of HHS2020.
Data Flow To/From SI	This field indicates the To-Be interface files are inbound or outbound from DS and FS Modules.
Integration Pattern	This field shows the interface is real-time or batch integration.

The Spruce-KPMG Team validated and reviewed the To-Be Interface Catalog with the support from NM HSD resources so that the catalog included relevant interfaces.

The Spruce-KPMG Team, along with NM HSD resources, conducted this discovery process and created an initial catalog of To-Be interfaces for the DS and FS Modules. The interfaces identified were analyzed for gaps, grouped by the module, and prioritized based on potential module onboarding plan, so that they can be presented and discussed with module integration partners.

10.2 To-Be Interface Catalog for DS

10.2.1 To-Be Source and Target systems for DS Module

The following diagram shows the source and target systems expected to interface with the DS Module initially based on the To-Be catalog:

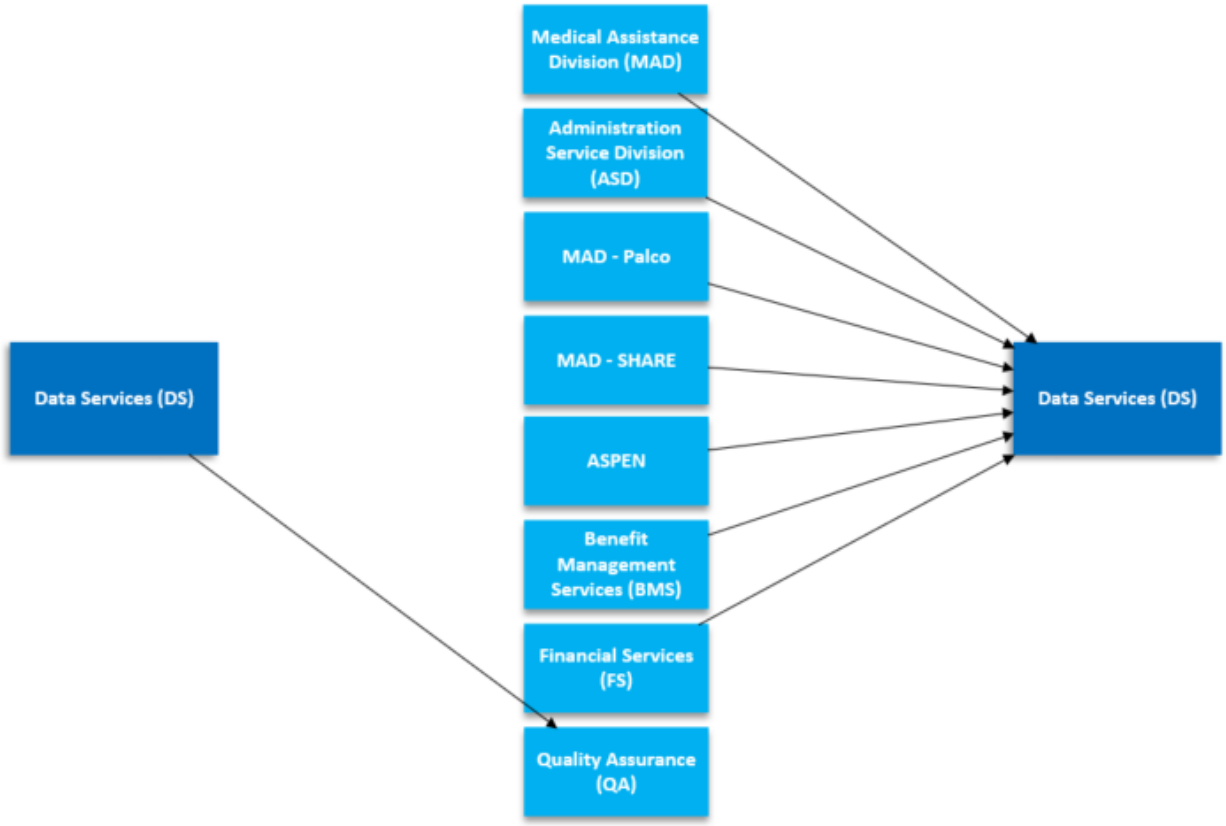

Figure 4 - Source and Target Systems/Partners for Data Services

Note: The above figure reflects what is known currently from resources such as the As-Is Interface Catalog and knowledge from NM HSD. As the SI goes through the module discovery process with the module contractors, further details will be identified, such as the system/partner names will be updated to reflect the appropriate system in the To-Be Interface Catalog.

10.2.2 Domain Production Data for DS Module

The DS Module was already contracted by NM HSD ahead of the SI. Currently, the DS Module receives domain data from two (2) sources: Omnicaid and ASPEN. The domain files that the DS Module receives are the following:

- Provider
- Client
- Managed Care Organization
- Financial
- Third Party Liability (TPL)
- Prior Authorization (PA)
- Claims

These files have been taken to account and were added to the To-Be interface catalog to ensure that all information pertaining to the DS Module are captured.

The following diagram depicts different phases of DS Module onboarding and migration to meet the HHS 2020 vision to the target state using the domain data files to DS:

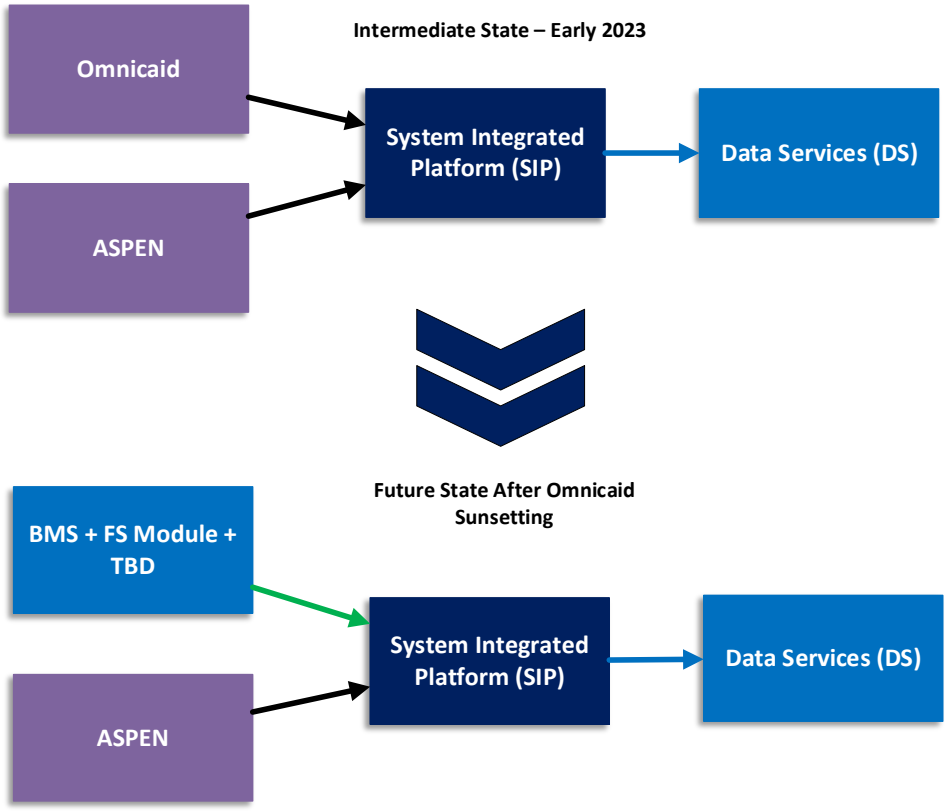

Figure 5 - Domain data sources

10.2.3 DS Pass-through Files

Additional files identified by NM HSD to be sent as pass-through to the DS Module were also considered and will be reflected in the To-Be Interface Catalog.

10.3 To-Be Interface Catalog for FS

As part of the Omnicaid and ASPEN As-Is interfaces analysis, the Spruce-KPMG Team worked with NM HSD to identify interfaces assuming that Omnicaid will be replaced with FS, DS, Benefits Management Services (BMS), and Quality Assurance (QA) as future HHS 2020 modules that are going to handle the Omnicaid functionality.

The following assumptions are considered as part of To-Be FS interface catalog preparation:

- Member eligibility and enrollment related data files will be sent from ASPEN to FS, currently Omnicaid receives/sends the files from ASPEN.
- Currently Omnicaid receives/sends the managed care files from MCOs, but in the future, FS will assume this functionality.

- Claims/Payments files come from Omnicaid as the system of record and sends to MCOs, and it is assumed that FS will handle this in the future.
- Currently, Omnicaid handles provider-related files, and it is assumed that BMS will handle it in the future.
- Technology information is captured from the As-Is Interface Catalog and will be updated during the Module Discovery sessions to leverage modernized integration capabilities. For example, file transfers can be modernized to real-time Application Programming Interface (API)-based exchanges.

The following diagram shows the existing source and target systems expected for the FS:

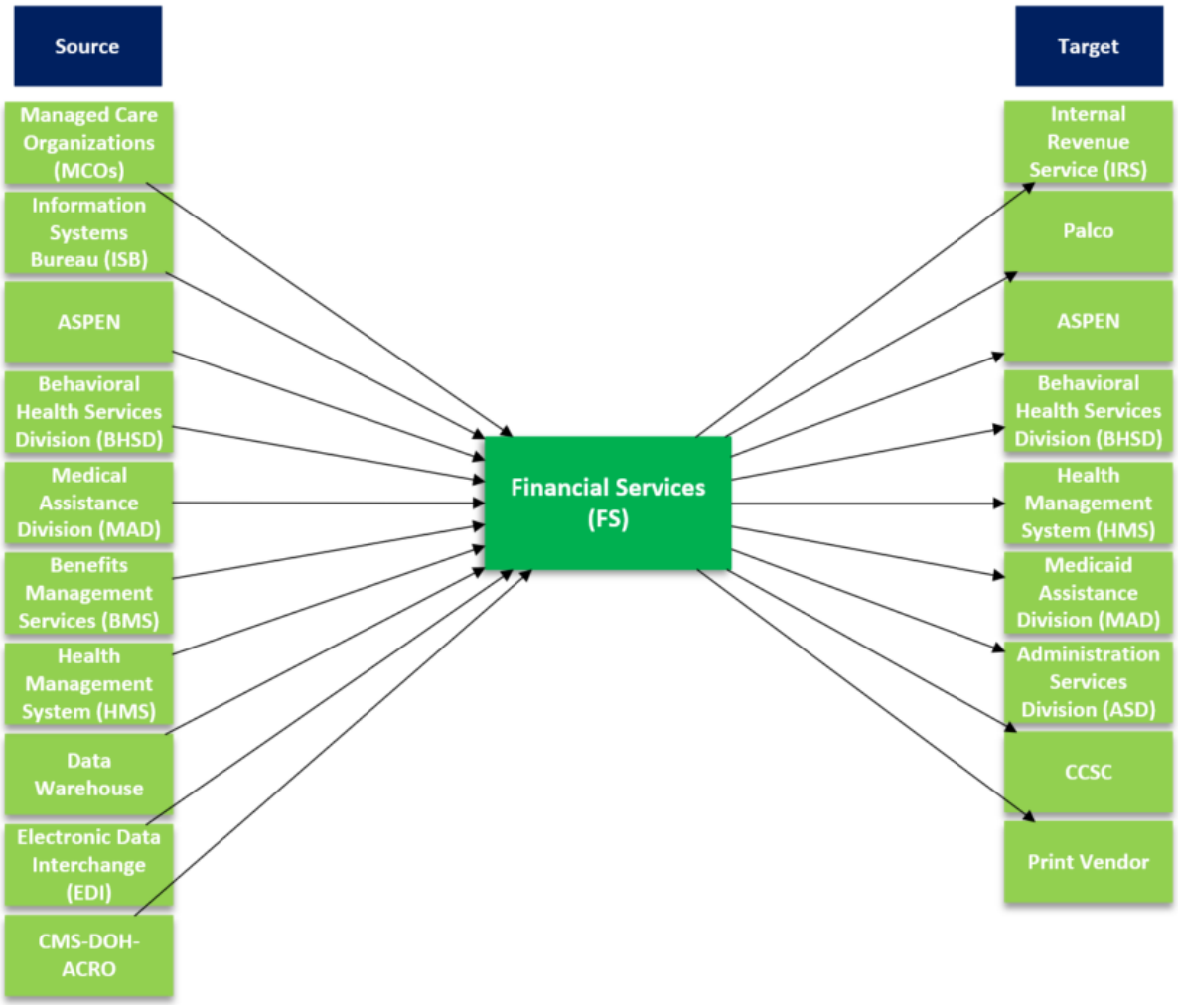

Figure 6 - Source and Target Systems/Partners for FS (Intermediate) To-Be Catalog

As mentioned before, these systems will then be validated during the respective discovery sessions for both the DS and FS Modules to confirm the business and technical information needed to include in the To-Be Interface Catalogs. As we go through the module discovery process with the module contractors, further details will be identified such as the system/partner names will be updated to reflect the appropriate system in the To-Be Interface Catalog.

11.0 Integration and Interface Management

This section focuses on management of integration components and the software development life cycle (SDLC) in relation to the larger scope of module implementation.

11.1 Governance

11.1.1 Module Discovery – Leveraging Catalog Information

In addition to other planning and data activities during module discovery, the Spruce-KPMG Team will also conduct sessions for the To-Be Interface Catalog and Integration Backlog. The To-Be Interface Catalog provides a list of interfaces to be managed or maintained until all modules are onboarded to the KRIS-C solution platform. It provides a system view of information exchanges to support NM MMISR business processes. The SI11 – SaaS Configurations for Enterprise Designs – Increment 1 – 1.0 – Develop Orchestration Plan – Integration Backlog artifact contains interfaces which provide business aspects of MMIS based on the MITA business process area and the BTC journey analysis. Both artifacts will be utilized during the module discovery phase to identify interfaces and integrations for modules that can leverage the KRIS-C solution integration capabilities and follow the MITA Architecture standards. For conflicting/duplicate interface line items, the Integration Backlog will take precedence over the To-Be Interface Catalog - Interface information.

As an initial step to the Module Discovery, the Spruce-KPMG Team will review the Integration Backlog and available APIs/exchanges in the KRIS-C solution for applicable domains with NM HSD and the module contractor. The module contractor will leverage the business-driven integration points from the Integration Backlog and the current KRIS-C implementation to reduce module onboarding time and increase reusability. Based on the integration backlog analysis, the high-level scope line item will be added to the Module Release Backlog for further project planning and release activities. For the existing system and system processing perspective, the current version of the To-Be interface catalog will be analyzed for existing exchanges at that point in time to minimize redundant information exchanges. If the interface catalog line item is required to support functional, technical, or operational processes, it will be added to the Module Release Backlog, otherwise it will be retired if it is not needed going forward or modified for potential future support. The Module Release Backlog will be managed as separate file (or a JIRA Epic) to include into project planning and other implementation activities.

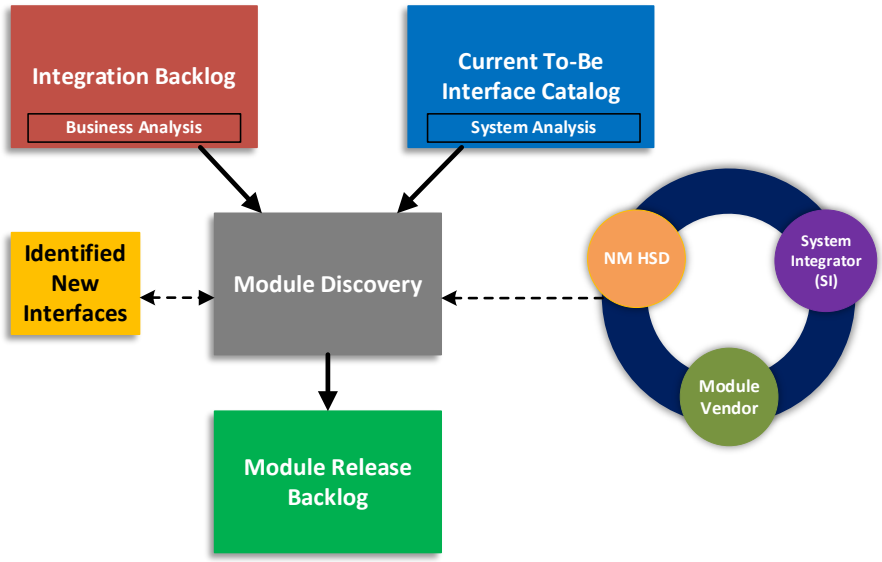

Figure 7 – Catalogs Information Processing

11.1.2 To-Be Interface Catalog Management:

After each modules' discovery sessions, it is critical to manage the most updated To-Be Interface Catalog information to support subsequent module or integration partner onboarding.

The following figure shows the intended management process for the To-Be Catalog with the intended outcome:

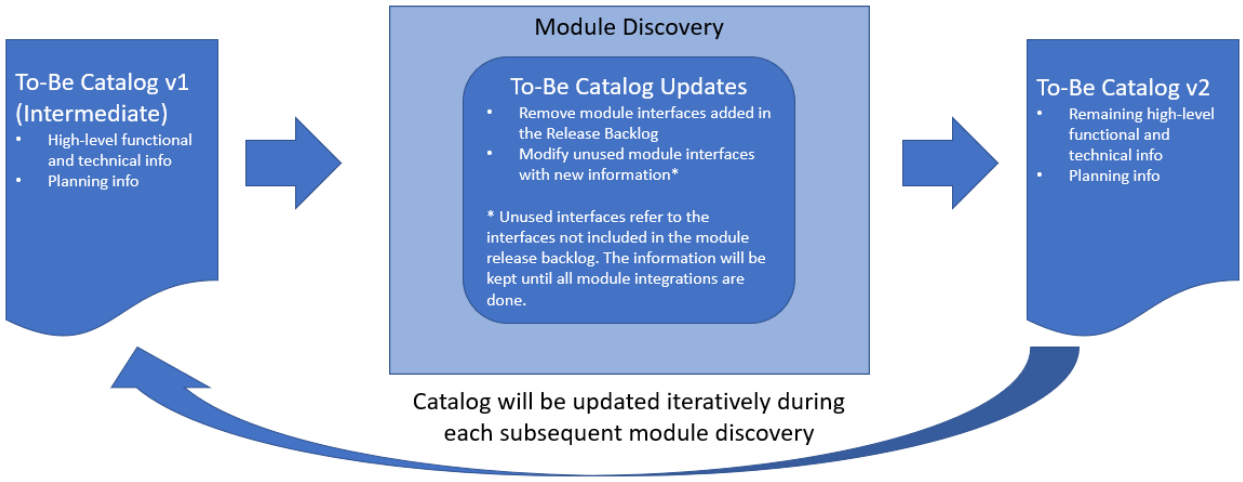

Figure 8 - High-level To-Be Catalog Management Process

11.2 Implementation Approach

11.2.1 Project Management

As the Spruce-KPMG Team begins to engage modules or integration partners, a regular cadence of touchpoints (at least weekly but may vary depending on complexity) will be established for the teams to discuss the tasks and resources needed to successfully complete the integration activities. The following is a high-level list of these tasks to execute in collaboration with module contractors/integration partners and key NM HSD stakeholders for each of the line items in Module Release Backlog defined in Section 11.1.1:

Spruce-KPMG Team with EPMO oversight:

- Capture/Update integration requirements and business priorities for each interface line item – with Module Contractor or Integration Partner input
- Add interfaces into Module Release Backlog – with Module Contractor or Integration Partner input
- For each interface from Module Release Backlog:
    - Recommend interface changes based on standards and best practices
    - Identify dependencies, constraints, and risk
    - Estimate implementation effort
    - Provide high-level timeline

Module Contractor or Integration Partner:

- For each line item:
    - Estimate effort and provide high-level timeline

Outcome:

- Module Release Backlog with estimated efforts and timeline

Next Step:

- Project Planning and Release Planning

Once initial discussions have occurred with the module/integration partners, these tasks will be added to the Spruce-KPMG Team's project schedule with the applicable dependencies and incorporated into the EPMO Enterprise Project Schedule (EPS). Time will be set aside during each touchpoint with the module/integration partner to discuss these activities, which will also be addressed during the regular EPMO Module Schedule Review Meetings. Any blockers, risks, or issues that arise will be addressed during the EPMO Risks and Issues Meetings, as well as the EPMO Bi-Monthly MMISR Module Status Update meetings and managed through the existing risks and issues logs in alignment with the process outlined in the approved PMO7 – Risk Management Plan (the link is provided in Appendix C Section 12.3 of this document)

11.2.2 Collaboration and Tools

HHS 2020 is a complex initiative that requires a well-defined process ensuring coordination among multiple stakeholders to successfully integrate the technologies, systems, data, and services into a

unified solution. The Spruce-KPMG Team will work with HSD to identify all the stakeholders responsible for each interface and strategize the communication and engagement mechanisms. For the Interface Implementation, the team will work with stakeholders to follow business, information, and technical standards published by multiple governing bodies, including the DGC and Architecture Review Board (ARB).

To manage the intricacies of interface tasks, the following NM HSD tools will be used:

- Jama – Requirement Management
- Jira – For task management and backlog maintenance
- Jira and X-Ray plug in – Test management

11.3 SDLC for Module Release Backlog Items

The Spruce-KPMG Team will work with NM HSD team to standardize the Software Development Life Cycle (SDLC) execution of the Module Release Backlog item implementation across to support module or integration partner integration. As described in the above section, Module Release Backlog is a comprehensive list of the Integration Backlog and the Interface Catalog which will includes Integrations (API configurations, proxy APIs, MFT) and Interfaces. This section provides a general SDLC approach to design, development, testing and operation.

The SDLC implementation involves parallel execution of several item implementations at different stages of the life cycle, thereby minimizing the schedule, resource, business, or technical risk. The Spruce-KPMG Team will follow a hybrid/iterative agile process where design, development, and testing will follow typical agile process, bookended by Integration requirements gathering during module integration on one (1) end and any high-level testing on the other end. The following depicts the Spruce-KPMG SDLC process for Module Release Backlog item implementation.

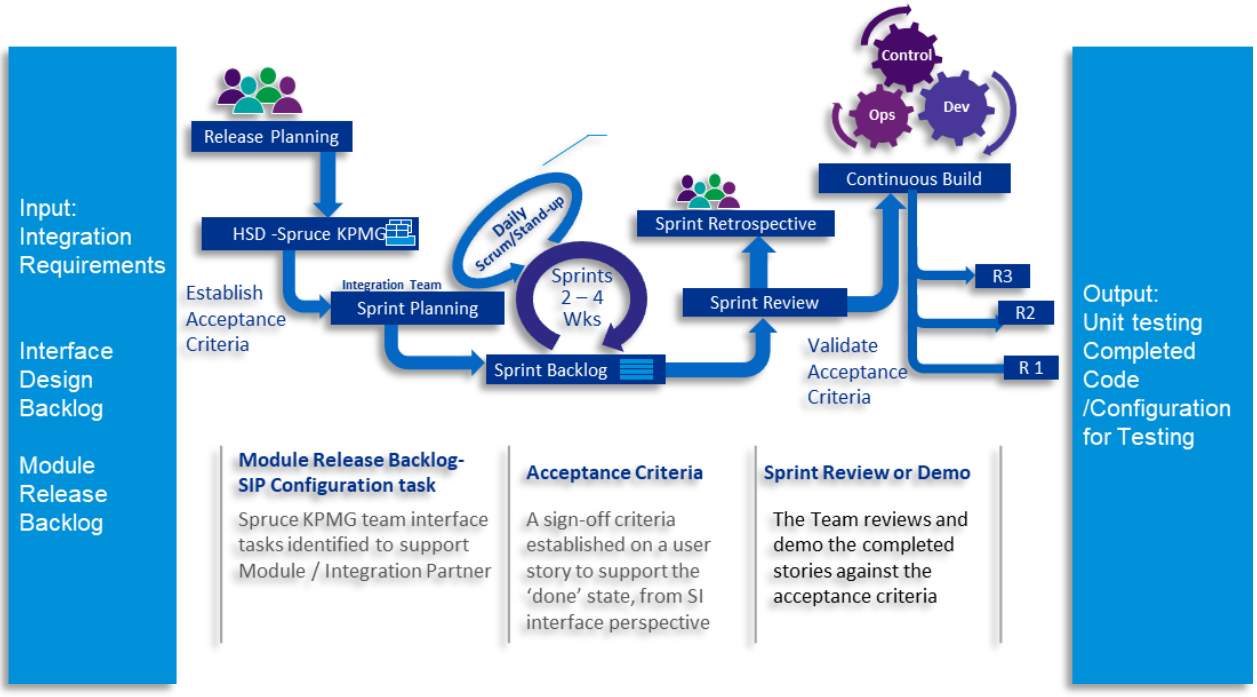

Figure 9 – The Spruce-KPMG SDLC Process for Module Release Backlog Items Implementation

11.3.1 Detailed Analysis

During the Module/Integration partner discovery sessions, the Spruce-KPMG Team will focus on capturing integration details that includes functional and technical aspects of the interface in relation to MITA business processes and conform to best practices and standards of the SIP. These integration details will be documented and assigned to the appropriate integration teams, the Spruce-KPMG Team, and Module/Integration Partners for the next phase of the life cycle. The Spruce-KPMG Team will also work with key stakeholders, the DGC, and the NM HSD team to capture high-level functional, technical, and operational parameters into the ICD. One (1) of the key technical parameters to confirm from the To-Be catalog validation will be Integration Patterns: Batch, Synchronous, and Asynchronous. Batch integrations are supported by file transfer designs. Synchronous and Asynchronous integration patterns are supported by API designs.

All the DS and FS To-Be interfaces follow batch integration patterns. For this deliverable, the Spruce-KPMG Team will provide the file transfer and API design.

During the module discovery, the Spruce-KPMG Team will work with the Module/Integration Partner and NM HSD to capture the following high-level information for each backlog item:

- High-level business operation information:
    - Contact
    - Notification's information
    - Hours of operations
    - Business and operation impact
- Capture high-level service level agreement (SLA) requirements
- Capture Integration requirements such as:
    - Technical capabilities and constraints
    - Security capabilities and constraints
    - For file transfer backlog items: pass-throughs
        - File naming for inbound and outbound
        - File format
        - Input validation and any notification requirements
        - Frequency
        - Operation notification and timeline
        - Error Management
    - For API backlog items:
        - Input and output parameters
        - Validation rules
        - Error Management

11.3.2 Development

The Spruce-KPMG Team will be implementing each Module Release Backlog item in two (2) week sprints.

11.3.3 Testing

Depending on the stage of testing, the integrating team will test the solution in isolation with mock mechanisms or integrate with other modules via the SIP and perform end-to-end testing of partial or complete workflows.

File integrations are tested using File Transfer Protocol (FTP) client tools like WinSCP or FileZilla.

The SoapUI or Postman tool offers the ability to mock any external service that needs to be tested by the platform (where a mock service is a static emulation of an API). As a result, web services could be tested independently from any other external service.

11.3.4 Operation

The Spruce-KPMG Team will design the Module Release Backlog items with operations as one (1) of the core aspects.

12.0 Appendices

12.1 Appendix A: Deliverable Record of Changes

The deliverable will include a record of changes in the following form:

Table 6 - Deliverable Record of Changes

Version Number	Date	Author/Owner	Description of Change
0.1	6/14/2022	Spruce-KPMG Team	The initial draft for internal review
1.0	7/29/2022	Spruce-KPMG Team	Initial draft submitted to NM Deliverable Review Team
2.0	8/19/2022	Spruce-KPMG Team	Final deliverable submitted to NM Deliverable Review Team

12.2 Appendix B: List of Acronyms

A list of project-specific acronyms will be maintained on the MMISR SharePoint site.

Table 7 - List of Acronyms

Acronym	Definition
API	Application Programming Interface
ARB	Architecture Review Board
ASPEN	Automated System and Program Eligibility Network
BMS	Benefits Management Services
BTC	Business Transformation Council
CMS	Centers for Medicare and Medicaid Services
DED	Deliverable Expectation Document
DGC	Data Governance Council
DS	Data Services
EPMO	Enterprise Project Management Office
EPS	Enterprise Project Schedule
FS	Financial Services
FTI	Federal Tax Information
FTP	File Transfer Protocol
HHS	Health and Human Services
HSD	Human Services Department
ICD	Interface Control Document
IV&V	Independent Verification and Validation
KRIS-C	KPMG Resource Integration Suite - Connected
KT	Knowledge Transfer
MAD	Medical Assistance Division
MFT	Managed File Transfer
MITA	Medicaid Information Technology Architecture

Acronym	Definition
MMISR	Medicaid Management Information System Replacement
MoU	Memorandum of Understanding
NM	New Mexico
PA	Prior Authorization
PHI	Protected Health Information
PII	Personal Identifiable Information
PM	Project Manager
PMO1	Project Management Office Deliverable 1 Project Management Plan
QA	Quality Assurance
RFQ	Request for Quote
SaaS	Software-as-a-Service
SDLC	Software Development Life Cycle
SI	System Integrator
SIP	System Integration Platform
SLA	Service Level Agreement
SME	Subject Matter Expert
SMR	System Migration Repository
SOW	Statement of Work
TPL	Third Party Liability

12.3 Appendix C: Referenced Documents

Upon contract award, the selected vendor will be provided access to additional information, as needed.

12.4 Appendix D: Deliverable Approval Form

Upon approval of the SI11 – SaaS Configurations for Enterprise Designs – Increment 2 – Task 6.0 – Interface Management Plan (DS and FS) deliverable, the Deliverable Approval Signature Form must be filled out, where appropriate, printed, and routed for signature. Once all signatures are provided, the Deliverable Approval Signature Form must be uploaded to SharePoint in its' respective deliverable folder.