BY 2024 ITPFM DRAFT SCHEMA TECHNICAL ADDENDUM

Performance Metrics Data

→ *Metrics Submission Location (API Path)*: `v1/metric`

→ *Metric Actual Submission Location (API Path):* `v1/metric/{metric}/metric-actual`

→ *Technical Implementation Questions*:

- **How do I link a metric to a service?** Metrics is not an embedded document underneath services. Instead it is a standalone collection that is linked back to services using the 'agencyServiceId' field. The agencyServiceId linkage is required and validated on all POST operations. In terms of order of operations, agencies must first create a service record before they can add a linked metric.
- **Can I link a single metric to multiple services?** No, each metric can only be associated with a single service. However, agencies can, and in some cases are expected to, have multiple metrics records linked back to the same service.
- **Can I change the service alignment of a metric following the initial POST?** No, agencies are unable to change the service alignment once a metric is added. To change the service alignment, agencies should DELETE the existing metric record, and POST a new metric with the appropriate agencyServiceId alignment.
- **How can I tell what metrics are associated with a given service?** Metrics, and by extension metric actual results, will be viewable in the GET service resource call. Similar to embedded documents, metrics will NOT be viewable during a GET service collection call.
- **Is the metTarget field submit-able?** No, this field is erroneously included in the request body of metric actual POST, PUT, and PATCH operation during the v0.1 documentation release. This field has been removed from the request body in the v0.1.1 version.
- **Will IT Collect validate the agencyPriorityGoalCode field?** No, at this time, IT Collect does not plan on validating agnecyPriorityGoalCode submissions against a list of valid ASO/APG codes.
- **Where can I direct my agencies to find more information on performance metric definitions?** The Submission Overview document, scheduled for release on May 18th, will direct users where to find more information on performance metric definitions.

Risks Data

→ *Submission Location (API Path)*: `v1/services/{service}/risks`

→ *Technical Implementation Questions:*

- **Can I add multiple multiple risks with the same risk area underneath a given service**? No, each service should report one risk object per riskArea.
- **Are agencies expected to provide data for all 13 risk areas?** Yes, if agencies are not tracking a given risk area, they are expected to set activeRisk to false.

- **Where can I direct my agencies to find more information on risk area definitions?** The Submission Overview document, scheduled for release on May 18th, will direct users where to find more information on risk area definitions.

Projects Data

→ *Submission Location (API Path):* `v1/services/{service}/projects`

→ *Technical Implementation Questions:*

- **Which projects are required to report the "new" projects fields?** GSA requires that projects necessitating updates in BY 2024 report the 'new' projects fields. However, agencies are not expected to retroactively report the 'new' projects fields on historical projects data. In other words, IT Collect will mandate that all new 'required' projects fields submit on any project POST, PATCH, or PUT operation.
- **What will happen to historical/completed projects that are not updated with the new projects fields?** GSA is actively evaluating how to best proceed. Options include, (1) display old cost and schedule fields in the projects data feed for historical investments, (2) roll-up planned, projected, and actual cost and schedule data points from the activities collection for all projects in IT Collect, and (3) require that all projects report the 'new' BY 2024 fields.
- **How will cost and schedule variance scores be calculated?** Cost and schedule variance formulas will remain unchanged, and simply pull from the projects level data, instead of the activities level data.

NIST Data

→ *Submission Location (API Path)*: `v1/NIST`

→ *Technical Implementation Questions:*

- **What is the level of reporting for the new NIST document?** NIST data is collected at the portfolio level. Agencies will report their portfolio-wide totals in a single NIST document.
- **Do vendors need to POST NIST documents for their agencies?** No, IT Collect will generate all NIST documents in advance. This will allow vendors to only integrate with PATCH or PUT operations.

Other BY 2024 Changes

→ Introduction of Technology Modernization Fund Tracking *(not included in the BY 2024 Draft Submission Schema - will be discussed further on May 4th)*

→ Introduction of System ID Reporting *(not included in the BY 2024 Draft Submission Schema - will be discussed further on May 4th)*

Delivery Timetable

- ☑ *April 29th, 2022: GSA releases the BY 2024 ITPfM Draft Submission Schema to Vendors*
- ☑ *May 4th, 2022: GSA will release the BY 2024 Technical Addendum Guide to the Draft Submission Schema*

GSA

☑ ~~*May 4th, 2022*: GSA will host the BY 2024 ITPfM Draft Submission Schema Overview call with Vendors~~

☐ *May 18th, 2022*: OMB will present the BY 2024 ITPfM Policy Changes to the CIO Council

☐ *May 18th, 2022*: BY 2024 Submission Overview document posted to the IT Dashboard

☐ *May (exact date TBD), 2022*: GSA will release the 95% BY 2024 ITPfM Submission Schema to Vendors

☐ *Mid June (exact date TBD), 2022*: GSA will release the BY 2024 version submission candidate to the IT Collect Staging environment

☐ *September (exact date TBD), 2022*: BY 2024 ITPfM Submissions will begin in IT Collect

Additional Changes

GSA and OMB are still working through an implementation plan for the following areas of the IT Collect API. Please note many of these areas do not have direct vendor integration impact. However, we wanted to make sure that the community was aware of functional areas where changes and approaches are still under consideration.

- Business Logic Validations (partially reflected in the v0.1 BY 2024 Draft Submission Schema, but more changes to come)
- API Query Parameters
- Data Feeds
- Longitudinal Reporting
- Data Quality Reporting
- Data Staleness Reporting
- Additional Reporting

Questions to be Answered in Future Documentation

- How many performance metrics should each service submit?
- Which services should submit performance metrics?
- Which services should submit risks?
- Should agencies provide historical metric actual results data?
- Expected submission cadence for all new BY 2024 documents