**Rapback Services**

**Update**

***Subscription Flow***

1. Rapback Submission Reporting Service
   1. Receives and forwards the rapback submission to the Rapback Submission Recording Service

[NIST structure/data to be an MTOM attachment to the SOAP message, with any metadata in the body of the SOAP message. (It is assumed that the metadata will include some kind of transaction ID that allows subsequent results to link back to these submissions.)]

1. Rapback Submission Recording Service
   1. Receives and records the rapback submission for persistence in the Rapback Data Store.
2. Rapback Initial Results Reporting Serivce
   1. Receives and forwards the Rapback Initial Results to the Rapback Initial Results Recording Service

[Text of the response to be an MTOM attachment to the SOAP message, with any metadata in the body of the SOAP message]

1. Rapback Initial Results Recording Service
   1. Receives and records the Rapback Initial Results for persistence (recording) in the Rapback Data Store.
2. Identification Query Request Service

*Intermediary*

* 1. Receives and forwards a request (for all past Initial Results received in response to background checks conducted by the user’s organization) from the HIJIS Portal to HCJDC Identification Query Request Service.

*HCJDC*

* 1. Receives a request for all Initial Results stored in the Rapback Data Store

1. Identification Query Results Service

*Intermediary*

* 1. Receives and forwards Initial Results obtained from the Rapback Data Store

*HIJIS Portal*

a. Receives Initial Results for viewing.

1. Subscription Query Request Service
   1. Receives a request from the HIJIS Portal for the following actions:
      1. Rapback Subscription
      2. Rapback Unsubscribe
      3. Rapback Validation (extends subscription date)
   2. Updates HIJIS Subscription Database
   3. Submits a Rapback Subscription, Unsubscribe or Validation request to FBI through the EBTS gateway
   4. Receives a Rapback Subscription, Unsubscribe or Validation query results from the FBI through the EBTS gateway.
   5. If an error message is returned from the FBI, it will go into a queue and an email will go to an administrator to investigate (details TBD ).
2. Rapback Query Request Service

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* 1. For the rapback subscription request, the service will query the Rapback Data Store (through the Rapback Interface Adapter) to get the following information:
     1. Information from the original submission necessary to create the subscription.
     2. Fingerprint data and other information needed to form the subscription request EBTS transaction
     3. Rapback profile - email addresses to be notified and other information TBD

1. Rapback Query Results Service
   1. Receives the following information from the Rapback Data Store for use in setting up a rapback subscription
      1. Information from the original submission
      2. Fingerprint Data
      3. Rapback profile
2. Subscription Query Results Service
   1. Receives the following results from the Rapback Subscription Service:
      1. Subscription acknowledgement
      2. Unsubscribe acknowledgement
      3. Validation acknowledgement
3. Rapsheet Query Request Service

*Intermediary*

1. Receives and forwards a request for a rapsheet from the HIJIS Portal to HCJDC Rapsheet Query Request Service.

*HCJDC*

* 1. Receives a request for a rapsheet stored in the Rapback Data Store

1. Rapsheet Query Results Service

*Intermediary*

* 1. Receives and forwards query results for a rapsheet from the Rapback Data Store.

*HIJIS Portal*

1. Receives a rapsheet for viewing.
2. EBTS Subscription Request Service
   1. Receives a Rapback subscribe, unsubscribe or validation request and formulates/sends the request (through the EBTS Gateway) to the FBI NGI System for processing.

***Subscription Flow***

1. Arrest Reporting Service
   1. Receives only non-Hawaii arrest reports from the FBI.
   2. Receives Hawaii arrest reports from Greenbox that are transformed into a request sent to the Identification Query Request Service
   3. Receives results from the Identification Query Results Service to determine whether there is an ID match with the new arrest report
   4. All arrest reports are forward to the Notification Service
2. Notification Service
   1. Receives an arrest report and determines whether there is a subscription associated with the report. If there is a match, an email is sent to the subscriber.
   2. Sends the Rapback Notification to the Rapback Notification Recording Service.
3. Rapback Notification Recording Service
   1. Records a rapback notification to the Rapback Data Store.