



Release Notes:

- Clarified which requirements do not apply to MME Connected Knowledge Sources and/or MME Functional Study Nodes (#1, #11)
- Updated URL of “Matchmaker Exchange Matching and Notification Protocols” (#5)
- Reference to GA4GH Security Technology Infrastructure replaced by Data Security Infrastructure Policy (#10)

Matchmaker Exchange Service Requirements

To become a Matchmaker Exchange (MME) service, each new site must achieve the following:

1. Require users to deposit case data to undertake a federated query across the MME service providers. (Note: Not required for MME Connected Knowledge Sources and MME Functional Study Nodes.)
2. Establish a minimum of two point-to-point API connections to other MME services.
3. Contain content that is considered by the MME Steering Committee (SC) to be useful for matching, including the flagging of, or ability to prioritize, candidate genes.
4. Successfully implement matching algorithms using test data.
5. Notify submitter (querier) and depositor (queried) of matches according to user expectations. (See “Matchmaker Exchange Matching and Notification Protocols” <https://www.matchmakerexchange.org/participants.html>.)
6. If a user receives a notification, the notification should include all information provided by the matching service or a direct link to additional available information.
7. For each database to which a MME service is connected by an API, the connected database’s disclaimers and terms should be posted on the MME service’s website and displayed with query results. Disclaimers can be found on GitHub (<https://github.com/ga4gh/mme-apis>). Disclaimers and terms may be returned with query results, which should supersede those found on the previously mentioned GitHub repository.
8. Store queries sent and received between MME sites only for the purpose of auditing, defining query statistics, and following up queries to understand rates of validated gene discovery.
9. Implement MME Metrics API (<https://github.com/ga4gh/mme-apis/blob/master/metrics-api.md>) and make metrics publicly available.
10. Attest to the Data Security Infrastructure Policy defined by the Global Alliance for Genomics and Health (GA4GH) (https://github.com/ga4gh/data-security/blob/master/DSIP/DSIP_v4.0.md).
11. Advance the goals of the MME project through active participation in meetings and conference calls including defining a representative for the MME SC. (Note: Not required for MME Connected Knowledge Sources.)