PROGRAM PROPOSAL

Proposed Program Name: Data Technologies

Sponsoring Member(s):   Morgan Stanley, JPMC, Citi

Initial PMC Lead: Alvin Shih

Proposed Scope: The program's objective is to support open collaboration around technology and tools supporting the common lifecycle of data in financial services. The common data lifecycle is defined as any activity required to extract value from data, including but not limited to acquisition, storage, governance, processing, and distribution. Sample projects potentially supported by the program would include Hadoop-based time series solutions, graph database technologies, visualization tools, data analytics libraries, governance tools, etc.

Initial activity is expected to focus on opportunities to standardize and enhance the development ecosystem of the kdb+ time series database – where participating members have internally developed similar solutions - and subsequently develop and publish standardized solutions as open source projects.

Proposal Justification: There is substantial overlap in firms' internal efforts to customize and standardize finance-oriented data technologies such as kdb+. Creating an open space to collaborate around these technologies can lead to a more robust developer ecosystem by providing a forum for sharing expertise, providing a unified voice to vendors, and reduce redundant investment by firms into costly and time consuming engineering changes to products that do not lead to competitive advantage. Having an area where participating members can contribute frictionlessly makes FINOS an ideal organization to facilitate this activity.

Program Operations Policy: Standard: ☒

Amended: ☐ (please provide redlined POP with this proposal)

Initial Projects and/or Working Groups:

Name	Scope	Initial Roster
kdb+ Working Group	Curate common standards, tools, and libraries to facilitate collaborative development, ease artifact reuse, and improve usability and administration of kdb+ software in enterprise deployments.	Alvin Shih (chair), Jason Foster-Bey, Alok Dutt, Sam Eberspacher, William Quan
kdb+ Project(s)	Open Source project(s) arising from the deliberations of the working group of the same name. Some initial candidates are: ● module loader API ● default handlers ● logging API	Alvin Shih, Jason Foster-Bey, Alok Dutt, Sam Eberspacher, William Quan