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**Initiatives Platform
Supplementary Specification**

Version 1.0

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Supplementary Specification	Date: 20/May/2018
DOC_SPECIFICATION_003	

Revision History

Date	Version	Description	Author
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Supplementary Specification

1. Introduction

The purpose of this document is to define requirements of the Initiatives Platform System. This Supplementary Specification lists the requirements that are not readily captured in the use cases of the use-case model. The Supplementary Specifications and the use-case model together capture a complete set of requirements on the system.

This specification defines the non-functional requirements of the system, such as reliability, usability, performance, and supportability as well as functional requirements that are common across a number of use cases. (The functional requirements are defined in the Use Case Specifications).

The non-functional requirements are prioritized based on ease of use and overall extendibility of the Initiatives Platform System, while respecting the required development and execution times.

2. Non-functional Requirements

2.1 Availability

The system is 100% of the time, except the planned periods of maintenance, when the system is under development and it is not available for the users.

2.2 Accessibility

The platform provides an intuitive user interface that is natural to use even for users with poor technological education. Also, it is accessible from older or less performant hardware and software platforms.

2.3 Capacity

The system accommodates around 10,000 users and is able to process 500,000 requests per month.

2.4 Performance

The system is characterized by the following performance metrics:

- the response time for the operations (latency) is less than 1s,
- the throughput (rate of processing work) of the system is at least 100 requests per second.

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2.5 Platform Compatibility

The system is compatible with all platforms that can run a browser of version similar to or newer than IE8.

2.6 Security

The system provides secure login and session management and ensures data privacy especially on sensitive data. It also follows the OWASP security practices.

3. Design Constraints

The application is implemented as a web-based platform with the compatibility constraints mentioned in Section 2 (Non-functional Requirements). It is structured as a layered application in order to facilitate reuse and portability. Also, the application implements the MVC pattern for easy integration of different UIs. In terms of programming language Java is used for its portability, robustness and multitude of extensions. Regarding the frameworks, Hibernate is the chosen JPA implementation and Spring is the chosen web framework.