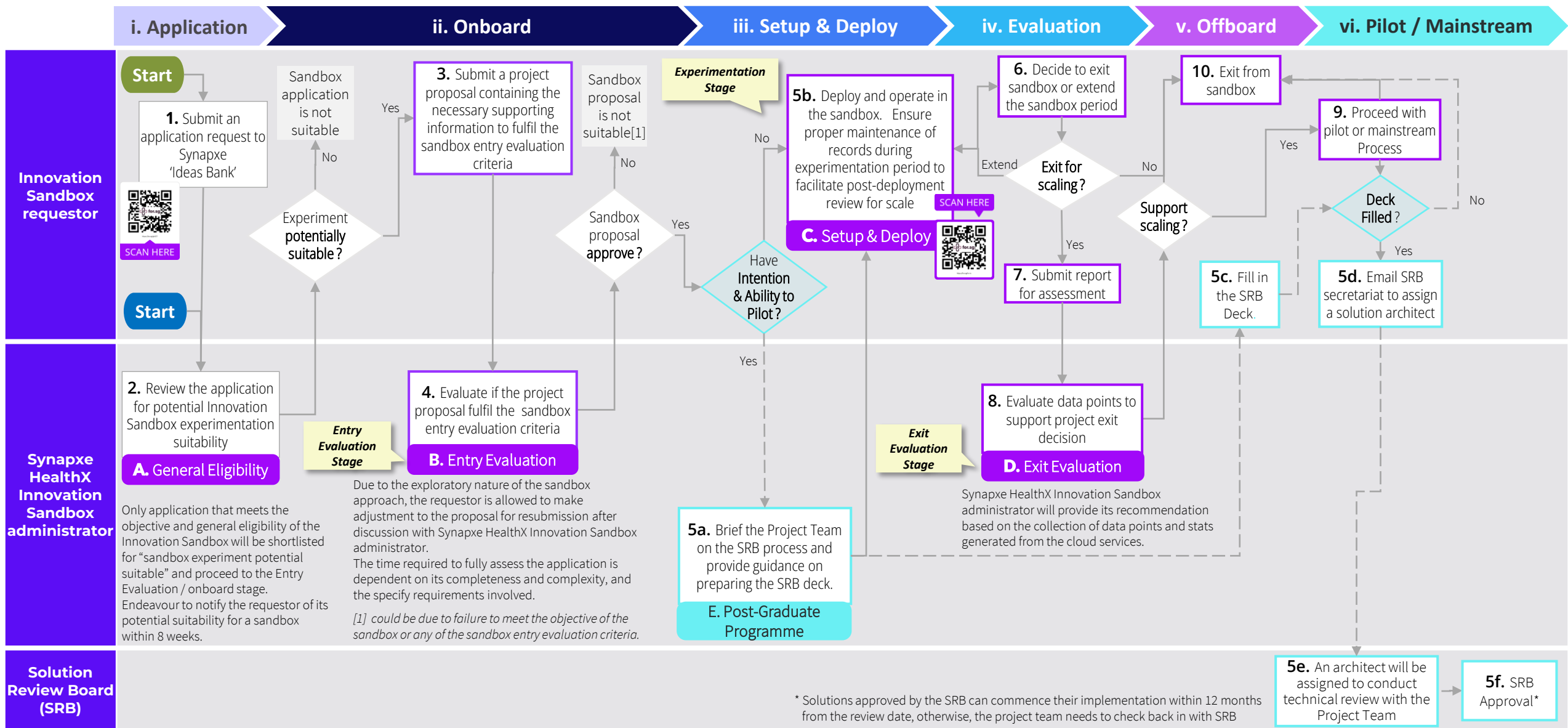


HealthX Innovation Sandbox Overall Process

Synapxe and the requestor / sandbox entity will be in communication



Start For ideas submission **Start** For submission directed from funding administrators

Legend: Qualification via Ideas Bank Submission HealthX Innovation Sandbox Operating Model Post-Graduate Programme

Annex A : Objective and eligibility of HealthX Innovation Sandbox


- The **objective of HealthX Innovation Sandbox** is to establish suite of enablers including a conducive policy-ops Innovation Sandbox that is accessible, safe, self-contained and realistic in simulating a production environment that allow innovators to “start fast and prove fast / fail-and-recover fast” on their innovations.
- **General Eligibility** for shortlisting of “sandbox experiment potential suitable” and proceed to the next stage during qualification process



Compliance

The sandbox can leverage on existing Sandbox Enabling Environment in Healthcare Commercial Cloud (“HCC”); and


- must ensure baseline security & data management and entry & exit requirements with adequate consideration for scale; and
- must have a well-defined and short-term duration (< 9 months from setup to deployment in sandbox environment) for the proposed technology to be launched, within which the consequences of failure can be contained.



Project Team

The requestor is required to form a team (“Project Team”) comprising

- Preferably at least one (1) interested healthcare provider or institution to formulate the use case(s) to address a problem or bring benefits and define the intended outcomes to unlock potential impact; if not, it will be up to the discretion of the HealthX Innovation Sandbox administrator recommendation; and
- At least one (1) technical personnel with HCC certification to provide the solution architecture diagram and specify the environment requirement for the sandbox experimentation.



Funding and Resources

Funding and resources intended for the innovation sandbox project should be catered; including

- workloads operating cost for Innovation Sandbox hosting; and
- workloads management in HCC (including setup and operations).

Note: Experimentation on the enhancement of existing products will be subjected to further discussion.

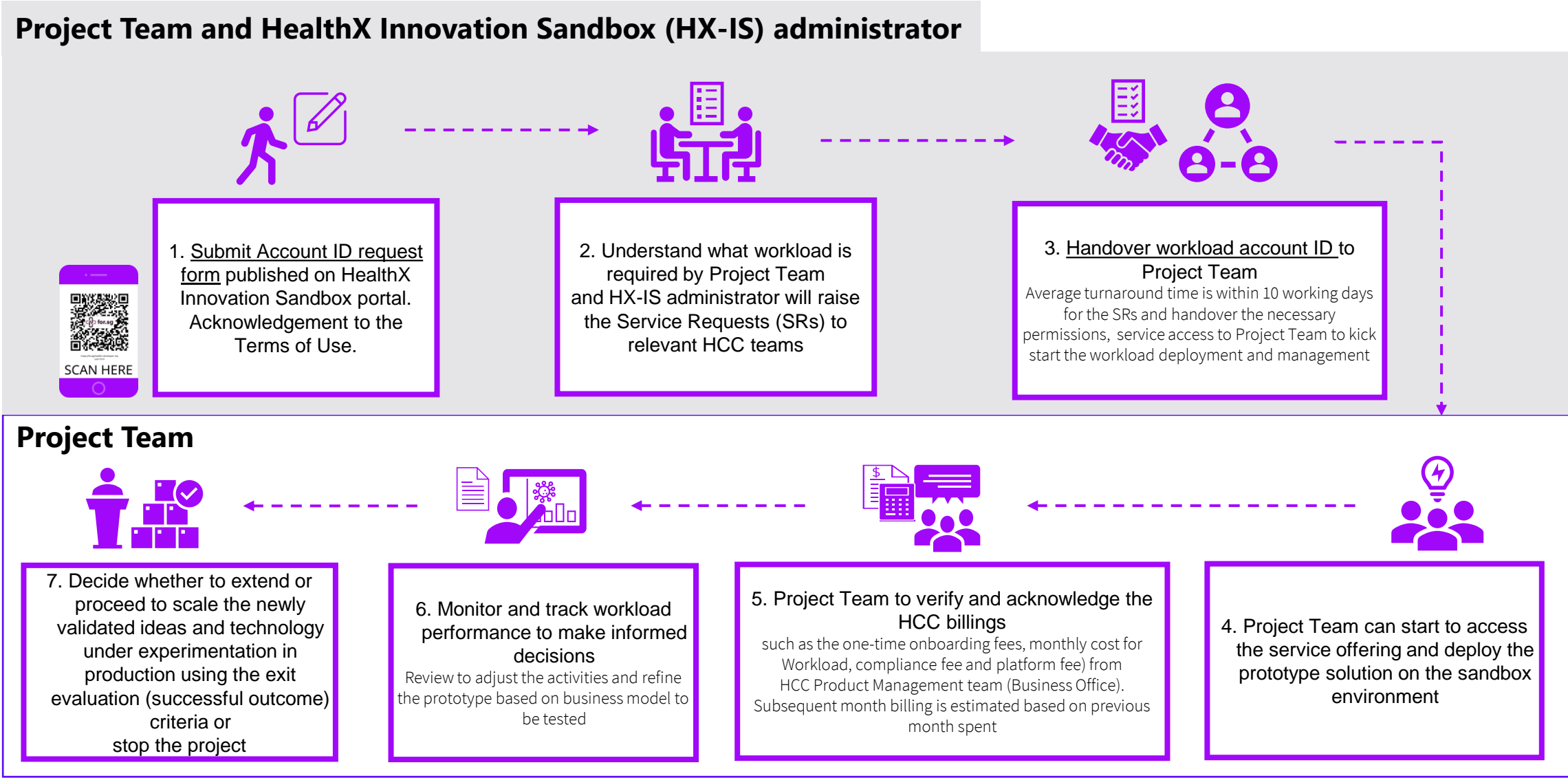
Annex B : Sandbox Entry Evaluation Criteria

- The requestor must submit a project proposal with the project team composition and project information (including list of Cloud Service Provider (CSP) requirements or services required, solution architecture diagram and entry & exit requirement for the project).
- The criteria listed below shall be used for the evaluation of the Sandbox Proposal

Evaluation Areas	Component	Evaluation Criteria
General	1 Team Evaluation	<ul style="list-style-type: none"> • Assigned Team Lead from Project Team to oversee the sandbox project • Project Team : Team members' capability or ease of access to relevant business / technical subject matter expert(s) at working level to undertake and coordinate the sandbox implementation during the sandbox period
	2 Pre-requisites	<ul style="list-style-type: none"> • Availability of technical personnel for solutioning and business sponsorship for funding the experimentation
Biz - Tech	3 Stakeholders experience	<ul style="list-style-type: none"> • Specify what is the entry and exit requirement for the project
	4 Technology Alignment	<ul style="list-style-type: none"> • Abide by a set of "Terms of Use" (TOU) ^[1] to ensure baseline security and data management • Leverage on existing Sandbox Enabling Environment (host in Healthcare Commercial Cloud platform) ^[2] • Solution architecture diagram which indicates all the requirements or services required (e.g., which type of compartment and services in HCC Border Control Services (BCS) and HCC Compliance Services (CS))
Implementation	5 Project Feasibility	<ul style="list-style-type: none"> • Short term nature (< 9 months) of sandbox project implementation plan (quick and fast development) • Budget is catered or ease of access to gain funding

[1] Please refer to the FAQ page in Synapxe HealthX Innovation Sandbox portal for the Terms of Use (TOU).
 [2] Healthcare Commercial Cloud (HCC) is a commercial cloud platform managed by Synapxe with customized infrastructure to support healthcare staff and organisations. HCC platform is constructed upon the leading Cloud Service Providers (CSPs), i.e., Microsoft Azure and AWS for start. It enables Healthcare applications to consume securely a broad range of cloud infrastructure and services offered by the CSPs.
 HCC Foundation Training is offered for free to help subscribers, project managers, and vendors demonstrate the ability to select and use the appropriate HCC services to host their systems and applications on HCC. To attend the HCC Foundation Training course, you may register for a free Udemmy account at www.udemy.com and provide a valid Udemmy account email address during course registration. Note that your Udemmy email address is case sensitive. You will receive the invitations via email within 3 working days.
 ✓ HCC Foundation Training Course ✓ HCC Foundation Certification Exam

Annex C : Process to setup & deploy workloads in Sandbox environment



Annex D : Extending or Exiting the Sandbox

- Project Team can decide to exit sandbox or extend the sandbox period at its own discretion.
- Upon exiting, the Project Team must submit a report to HealthX Innovation Sandbox administrator @ healthx@synapxe.sg within 1 month from the expiry of the sandbox period.
- HealthX Innovation Sandbox administrator will evaluate the data points and provide its recommendation to support project exit decision based on stats generated from the cloud services (e.g., number of users and usage, transactions supported)
- Project team will “graduate” from the sandbox and may proceed to scale the technology under experimentation in production, provided that:
 - ✓ the Project Team has provided an acceptable exit and transition strategy^[1];
 - ✓ the sandbox has achieved successful outcome in actualizing its goal and objective (i.e., fulfil the entry and exit requirement of the project).
- At the end of the sandbox period, the Project Team must settle the HCC billings, teardown the workloads, de-activate the account(s) and exit from the sandbox.
- For the purpose of transparency, relevant information of all approved sandbox projects such as the name of the requestors, the start and end dates of the sandbox experimentation, experimentation conclusion and exit outcome will be included in Synapxe documentation repository as part of the Sandbox lessons learnt and may be shared with wider innovation community or published on Synapxe HealthX Innovation Sandbox portal.

[1] Review and approval by appropriate forums will be required as exemption from Solution Review Board (SRB) would only be for the purpose of experimentation conducted in Sandbox.

Annex E : Post-Graduate Programme

What is Post-Graduate Programme?

Is an alternative path to fast-track innovation projects which have potential to graduate and proceed to pilot (i.e., production environment) with a more streamlined process.

Purpose of this Post-Graduate Programme

The streamlined process enable teams to:

- (a) **Plan and address solution governance requirements early** (from the start of onboarding sandbox) to avoid **unnecessary rework**
- (b) **Align to standard & guidelines** while building to prepare for **mainstreaming adoption**.
- (c) **Address technical risks and develop mitigation plan** in advance for **risk management**.
- (d) **Incorporate solution governance to front load the review** and ensure a smooth transition from a sandbox state to a pilot (production) state.

Checklist for assessing project / team that has Potential to Pilot after exiting the sandbox:

The applicant has successfully piloted their solution or similar technology or uses of exiting technology in an innovative way:

- 1. Already has at least 1 **Public Healthcare Institution** user lead / project manager as part of the current project team **AND**
- 2. In at least 1 **healthcare provider outside Singapore** **OR**
- 3. In at least 1 **local private healthcare provider in Singapore** **OR**
- 4. In at least 1 **non-healthcare industry** setting and has **potential to deploy in healthcare industry**

If the project team has at least 1 **Public Healthcare Institution** user lead or user project manager as part of the current project team and their proposed innovation solution or technology has **fulfilled point [1] and any one of the [2] to [3] criteria** listed above; HealthX Innovation Sandbox administrator may conduct briefing on solution review governance requirements to prepare the team.