

THE SWIM IMPLEMENTATION PHILOSOPHY AND ROADMAP

1. ASIA-PACIFIC SWIM IMPLEMENTATION PHILOSOPHY

1.1 As proposed in SWIM TF/2/WP-07 and SWIM TF/3/WP-19, the proposed SWIM implementation philosophy for Asia-Pacific is a bottom-up, agile like approach.

1.2 Starting by identifying and selecting one particular operation expected to benefit from SWIM implementation, the information services and infrastructure services required to support this operation can then be identified and implemented. SWIM governances that are considered necessary for the implementation and usage of such services to support the specified operation can be built. At this stage, it is considered that the governance rules to be implemented are the only ones deemed necessary for these set of services to be used operationally.

1.3 This bottom-up principle will help provide the clear justifications to implement the SWIM infrastructure needed to better and more efficiently support the operations. Once the services are implemented and utilized to support this first operation, reflecting the advantages of using SWIM, the same process can be continuously applied to other operations considered important and requiring more effective information exchange for the region. This repetitive process adopts agile development principles in that it strives for a Minimally Viable Product (MVP), i.e. a set of working, tested and operationally ready services built on the necessary Asia-Pacific SWIM infrastructure to support the identified operations.

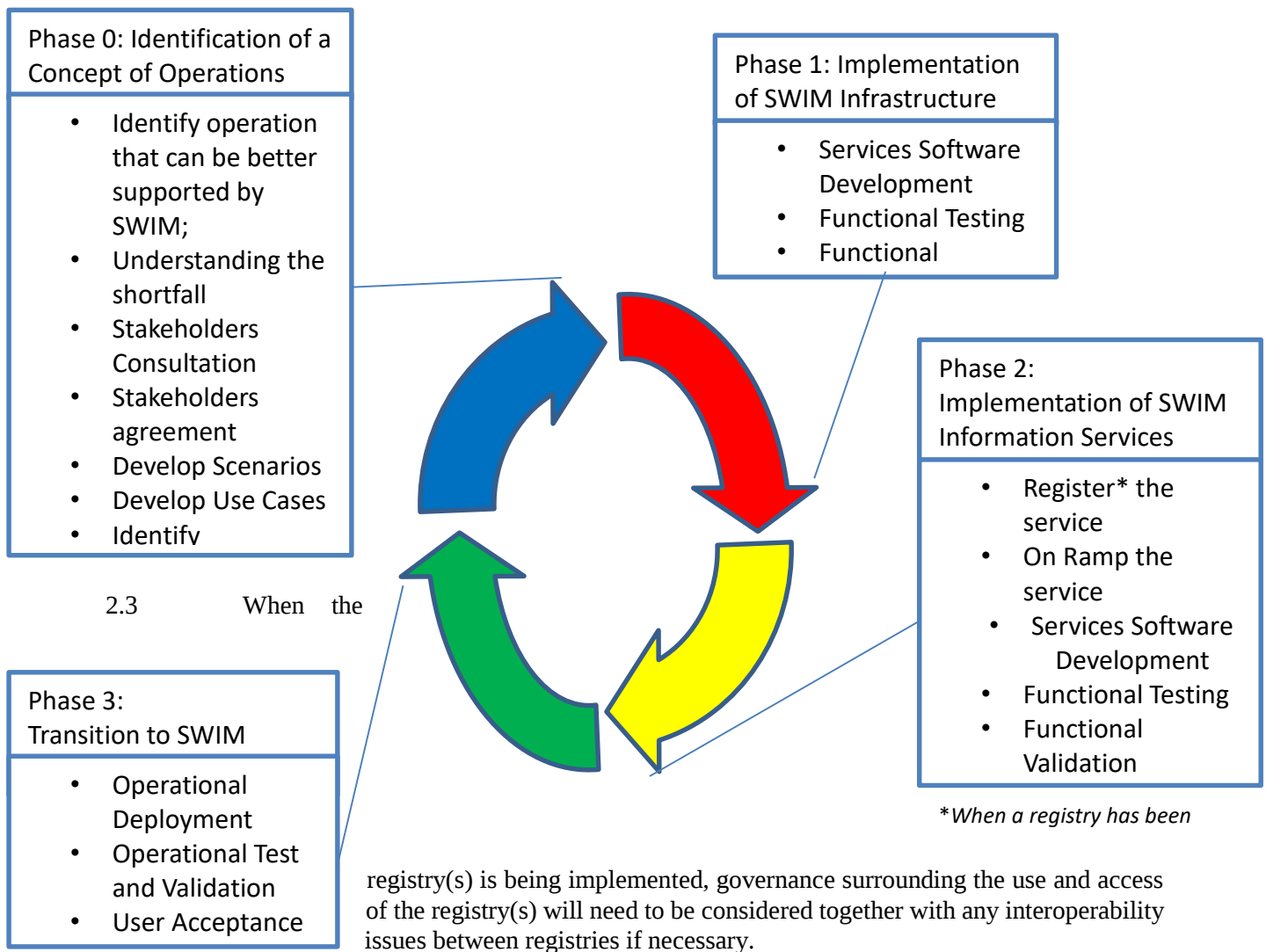
2. ASIA-PACIFIC SWIM IMPLEMENTATION ROADMAP

2.1 Based on the implementation philosophy as outlined above, the implementation roadmap can be derived as follows :

- a) Identify the operations that can be better supported by SWIM;
- b) Identify and design the information services required to support the operations specified;
- c) Identify and design the SWIM infrastructure services required to support the information services determined;
- d) Implement the SWIM infrastructure services;
- e) Implement the information services;
- f) Perform message exchange test;
- g) Perform operational trials using the information services implemented;
- h) Carry out performance and reliability test;
- i) Develop governance rules around the information services supporting the operations; and
- j) Repeat for the next operations identified.

A diagrammatic representation of the roadmap is given in the bottom of this Appendix.

2.2 A preliminary registry can be built to provide initial service discover capability. Once there is demand for the use of the implemented services outside of their original intent, a registry or registries with full capability can be then established to aid in the discovery of these services.



2.4 SWIM TF/3/WP19 further details how each step of the roadmap may be implemented.