Introduction

- Need an agreed end-point for SWIM development.
- Every state and organization has different requirements / needs for APAC SWIM
- The SIPG cannot continue indefinitely on SWIM trials alone.
  - Need an agreed set of conditions upon which the SIPG can declare the APAC SWIM TI as complete and operational
  - Need a clearly defined goal towards which we can work.
- Need an agreed method for determining the readiness of APAC SWIM for operational use.

Items to be considered

- SWIM Architecture
  - Not every state in APAC is connected to the CRV.
  - Not every states in APAC is ready to join in the APAC SWIM in the next couple of years
  - Is it enough to form the GEMS layer to consider APAC SWIM Operational?
  - Guidance material on EMS configuration?
  - Guidance material on GEMS on-boarding?

- SWIM Security
  - What kind of security mechanism is acceptable?
    - Initial phase to use self-signed certificates
    - To role out new infrastructure according to TFP recommendations once the guidance has been published
      - Expected to be PKI based.
    - Must the TFP recommendations be fully adhered to or are we able to accept a partial implementation?

Items to be considered

- ## SWIM Governance
  - Registry Management
    - Propose for every EMS provider to have 1 Registry
    - Every Edge EMS to exchange registry info with its connected Gateway EMS
    - Every Gateway EMS to exchange registry info with all other connected Gateway EMS
  - Identity and Access Management (IAM)
    - Each EMS provider needs to establish its own IAM mechanism.
    - Need a way to establish trust between different IAMs
      - Trust Framework Instance?

Information Services

- SWIM TF 9 / WP 16 Appendix A lists a set of agreed common information services
  - Broken down into 4 categories
    - APAC Common SWIM Aeronautical Information Services
    - APAC Common SWIM Flight Information Services
    - APAC Common SWIM Meteorological Services
    - APAC Common SWIM Surveillance Services
  - Should the implementation of all of these services be a required condition for APAC SWIM?
    - Proposal: Implement services for FF-ICE Release 1.