



SWIM in Support of ATFM – Singapore's View

David Leow

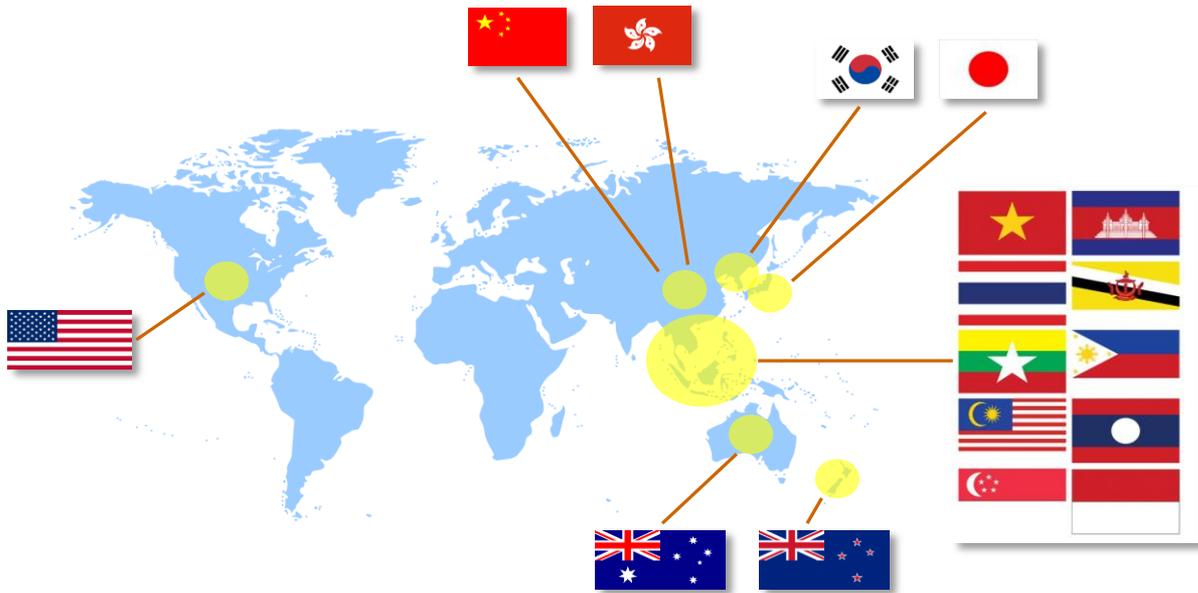
SWIM in Singapore

- CAAS is looking to SWIM to provide an information rich environment
 - Support Distributed Multi-nodal ATFM Network
 - Increase situational awareness
 - Increase predictability
 - Data analytics
 - Support FF-ICE and TBO
- CAAS has already implemented a small scale SWIM
 - For the purpose of data analytics
 - Focused on collecting ground tracks from the A-SMGCS and ADS-B
 - No registry as yet due to the small number of services offered.

SWIM Supports ATFM

- All flow management relies on the availability of information. ATFM is no different
 - Is there a ground delay program in effect?
 - What is the weather going to be like?
 - What is the traffic going to be like?
- SWIM facilitates information exchange
 - Exchange through standard formats and rules
 - Electronic exchange
 - Ubiquitous
- Thus SWIM supports ATFM by providing on-time, on-target information.

SWIM in ASEAN Demonstration



Conclusion

- SWIM is a valuable and essential piece of infrastructure in support of ATFM
- Needs to be developed both regionally and globally
- SWIM, requires standardized formats and governance in order to be globally interoperable.
- SWIM will allow the automation of ATFM systems, thus increasing efficiency and reducing errors.
- We are not there yet, but through demonstrations, work in the ICAO panels and regional task-forces we are on our way.

Thank you