

Digital NOTAM and SWIM



Federal Aviation
Administration

Presented to: NOTAM Industry

By: SWIM Team

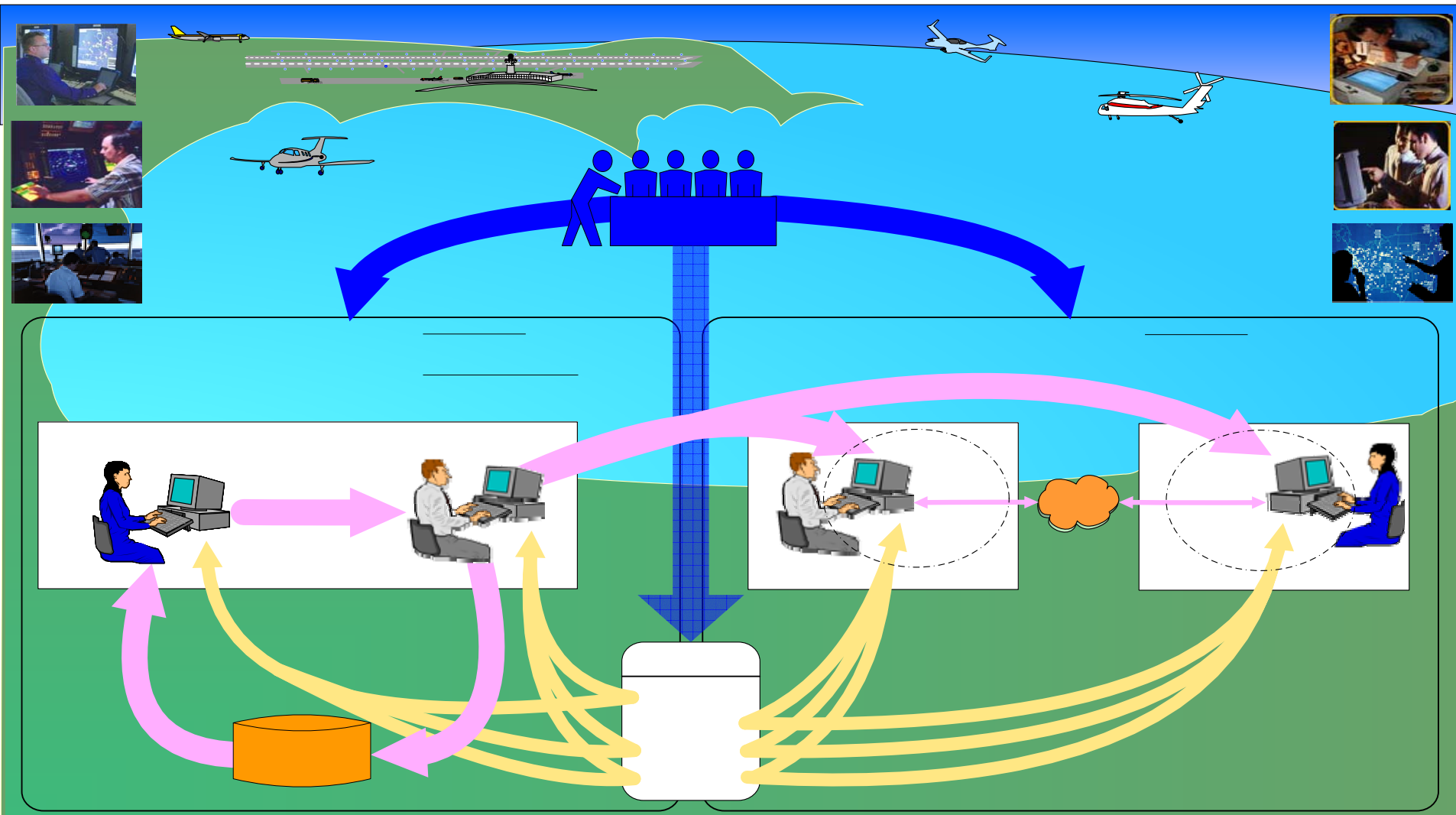
Date: 29 August 2007

Agenda

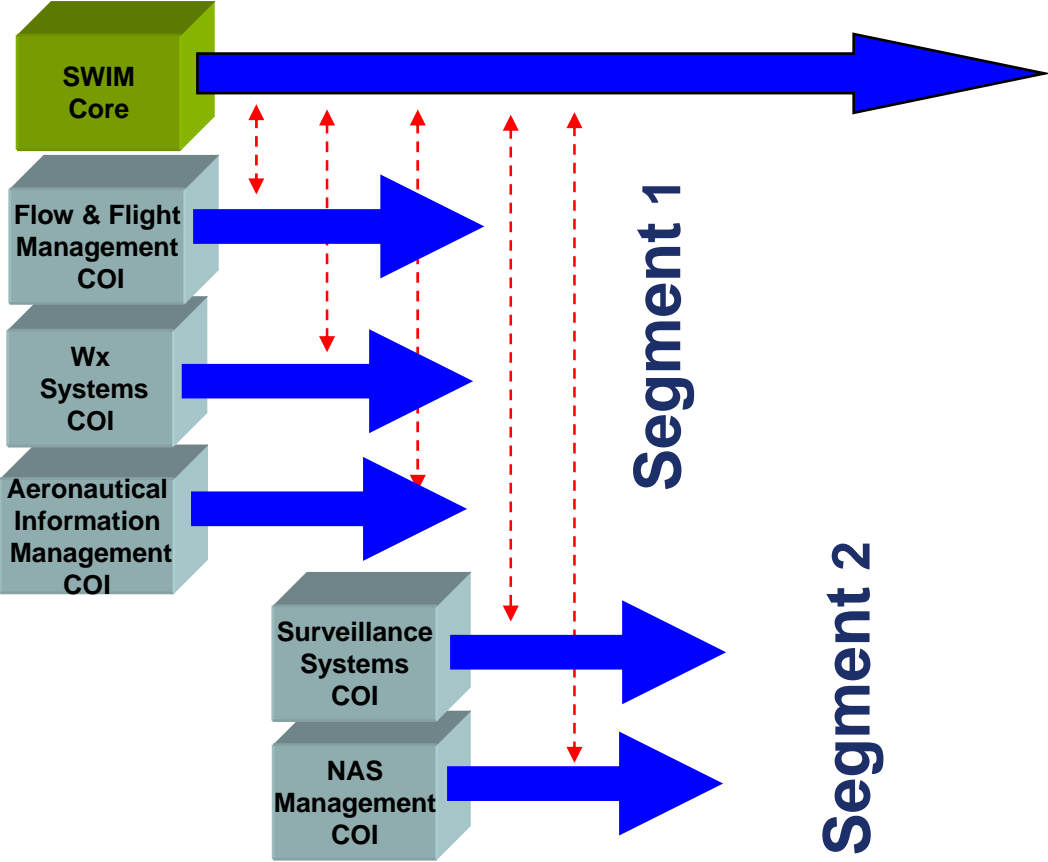
- **Introduce SWIM Architecture**
- **Discuss SWIM in relation to Digital NOTAM**



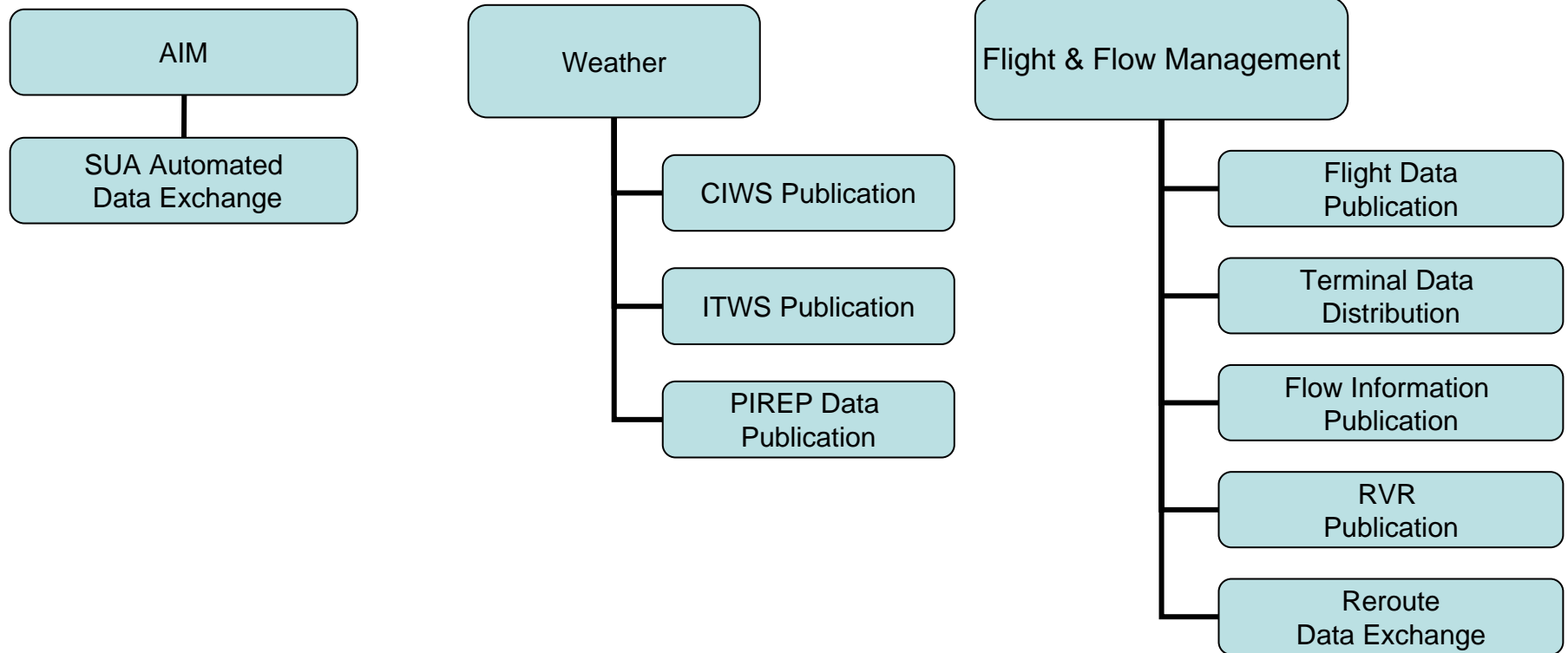
SWIM Context Diagram (OV-1)



Program Management Paradigm



SWIM Segment 1 COI Capabilities

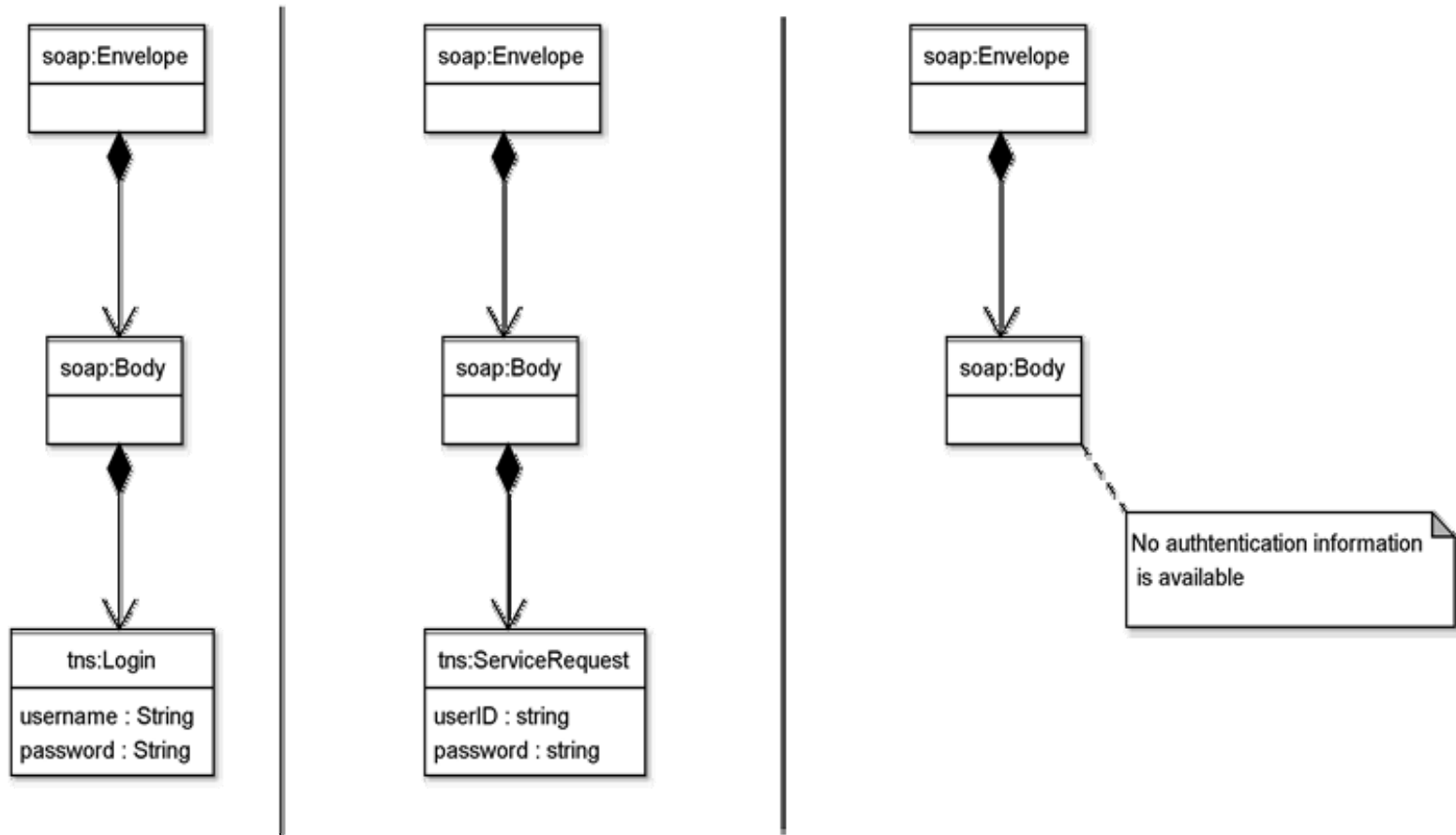


Digital NOTAM Data and Interface

- **Data Format Standards**
 - AIXM provides a standard schema to transmit NOTAM data
- **Interface and Policy Standards**
 - One example of standardizing the interface and associated policies is the method of transmitting authentication information
 - By enforcing compliance to the SWIM Basic Profile in the service interface the authentication requirements can be associated to services through policies
 - E.g. Username Token Profile, X.509 Certificate Profile



SWIM SOAP Envelope - Motivation

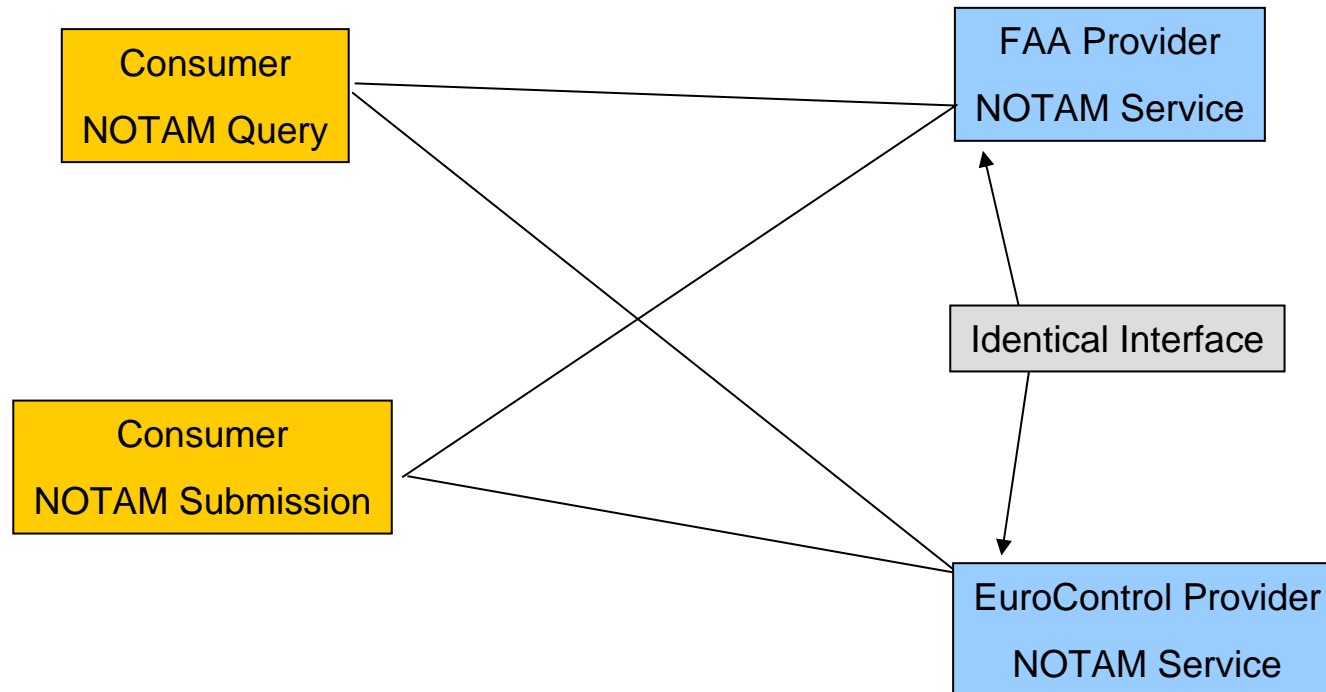


SWIM SOAP Envelope - Username

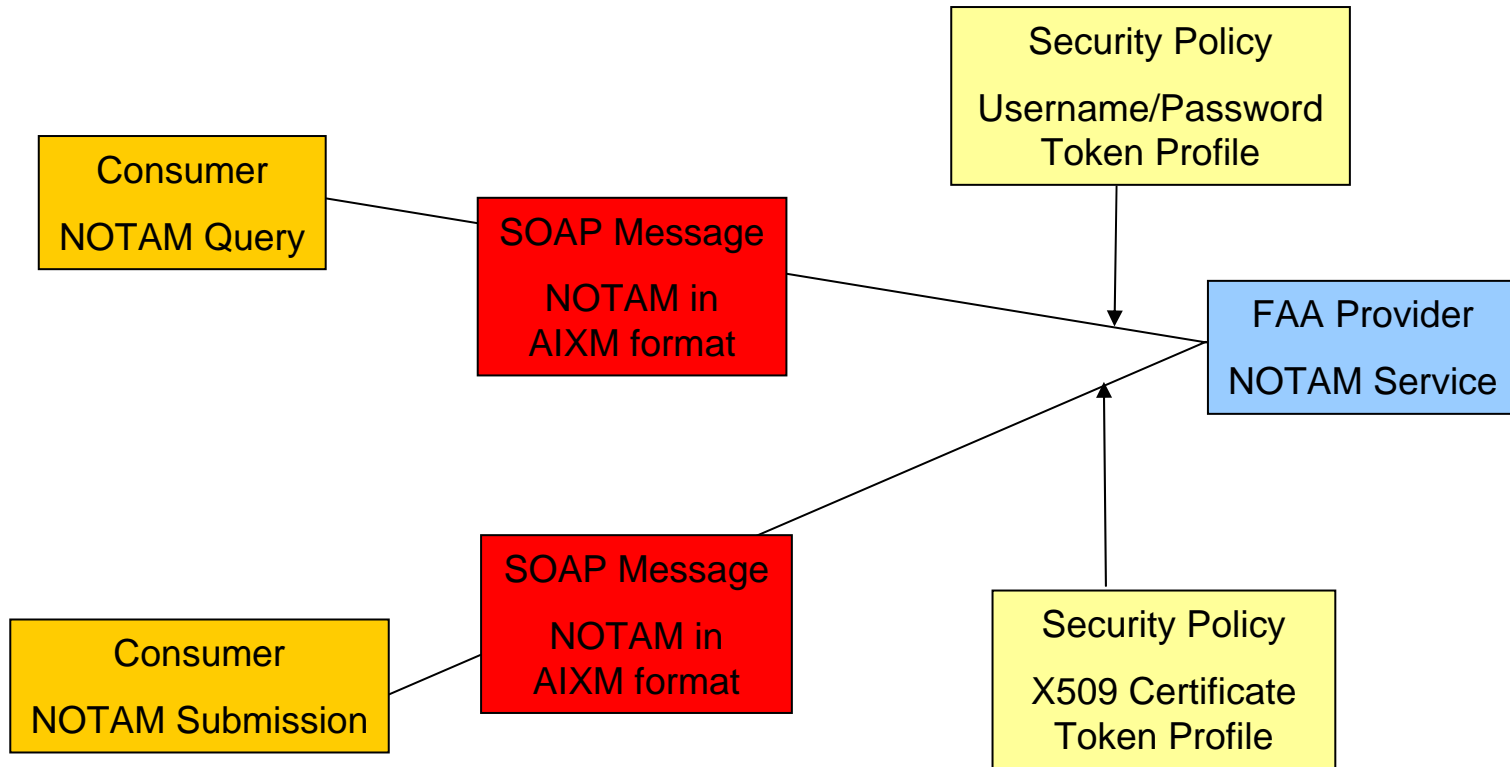
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</Header>
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Digital NOTAM Interface Standard

- **Interface Standardization enables applications to communicate with various implementations of services without changes to the code base**



Digital NOTAM Scenario



Summary

- **Introduce SWIM Architecture**
- **Discuss SWIM in relation to Digital NOTAM**



Questions and Discussion

