



ICAO AIRM Briefing

ICAO APAC/EUR/MID Workshop

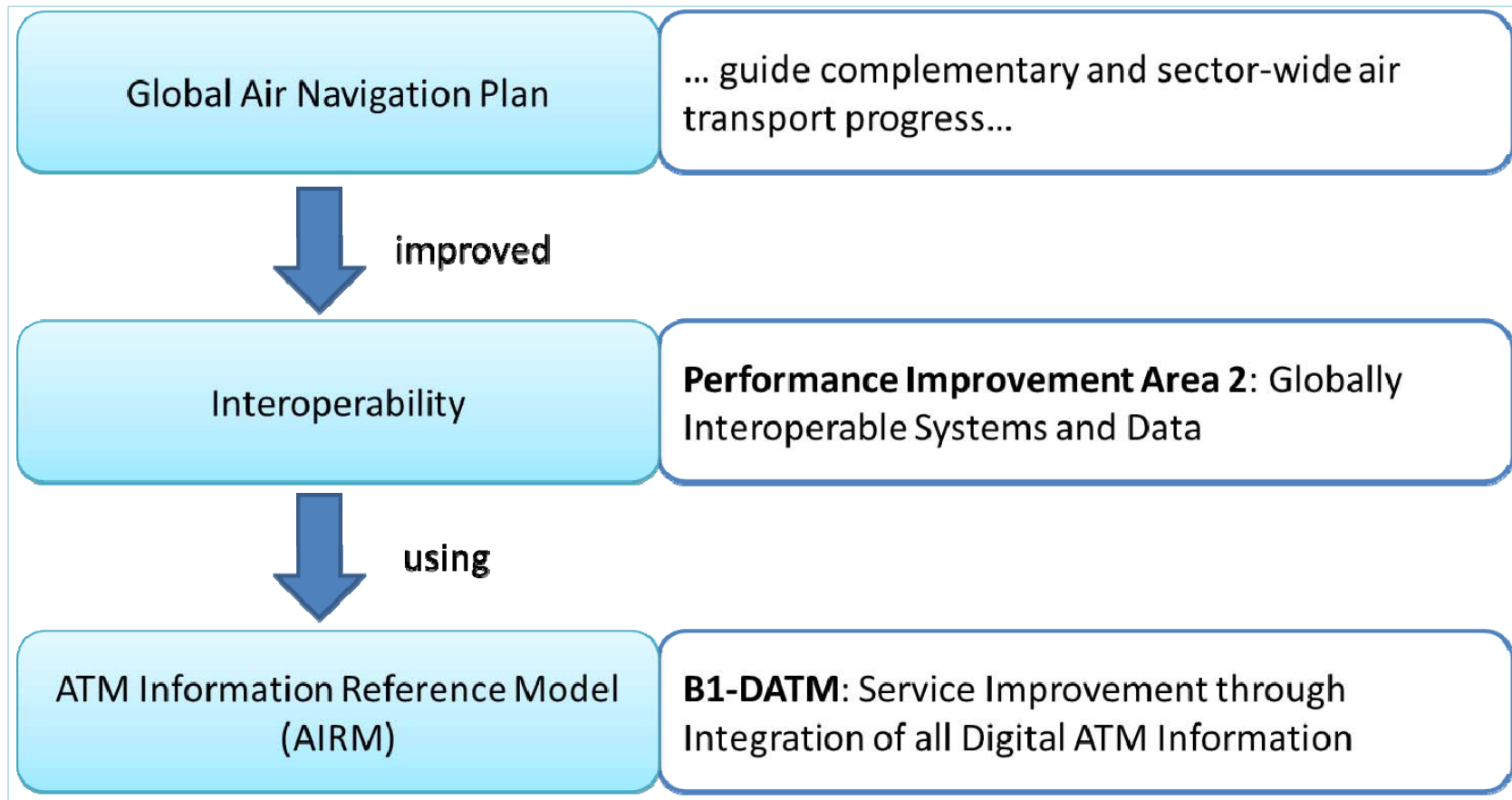
Scott Wilson

EUROCONTROL

ICAO IMP WG-Information Architecture

Task 3 - ICAO AIRM

ATM Modernisation and Transition to SWIM



The ICAO ATM Information Reference Model (ICAO AIRM)



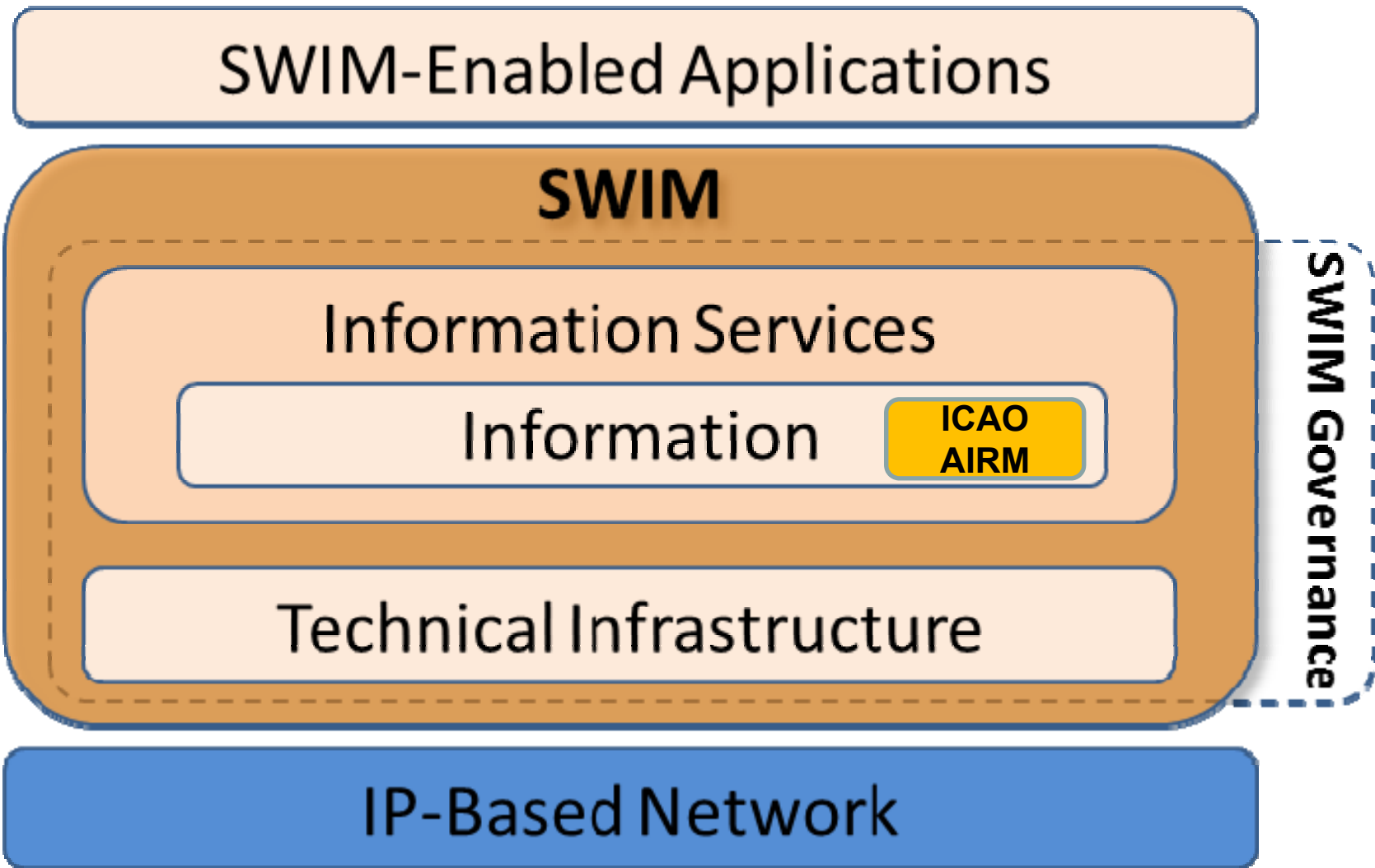
a structured, traceable, unified, harmonized,
common, digital representation based on standard
modelling notation



model comprised of ATM-specific terms,
definitions, and essential associations, that
serve as the common ICAO reference

Source: IMPWG3WP16 Architecture ICAO AIRM Alpha v2.pdf

AIRM within System Wide Information Management



Source: Draft revised Doc 10039

Relation with Information Exchange Models



- **ICAO AIRM is not**
 - × A database
 - × An application
 - × An exchange model

- **ICAO AIRM is**
 - + Reference material
 - + Based on ICAO SARPs



ICAO AIRM Structure



ICAO AIRM

AIRM Contextual Model

general elements such as ATM Business Terms and publications which provide the scope



AIRM Conceptual Model

descriptions on a level that are generally understandable to a business user

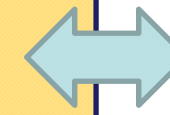
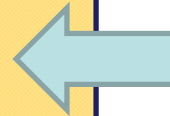


AIRM Logical Model

detailed and structured elements needed to develop technical building blocks



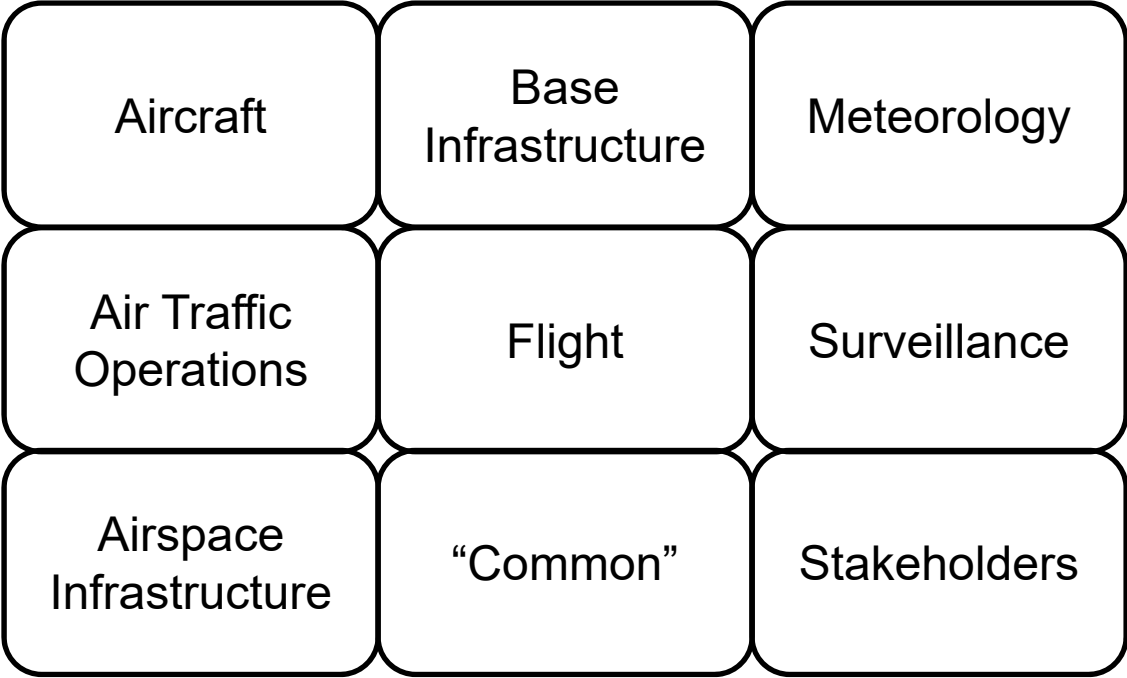
Textual descriptions
e.g. ICAO Annexes,
Terms, Docs



e.g. system
and data
models



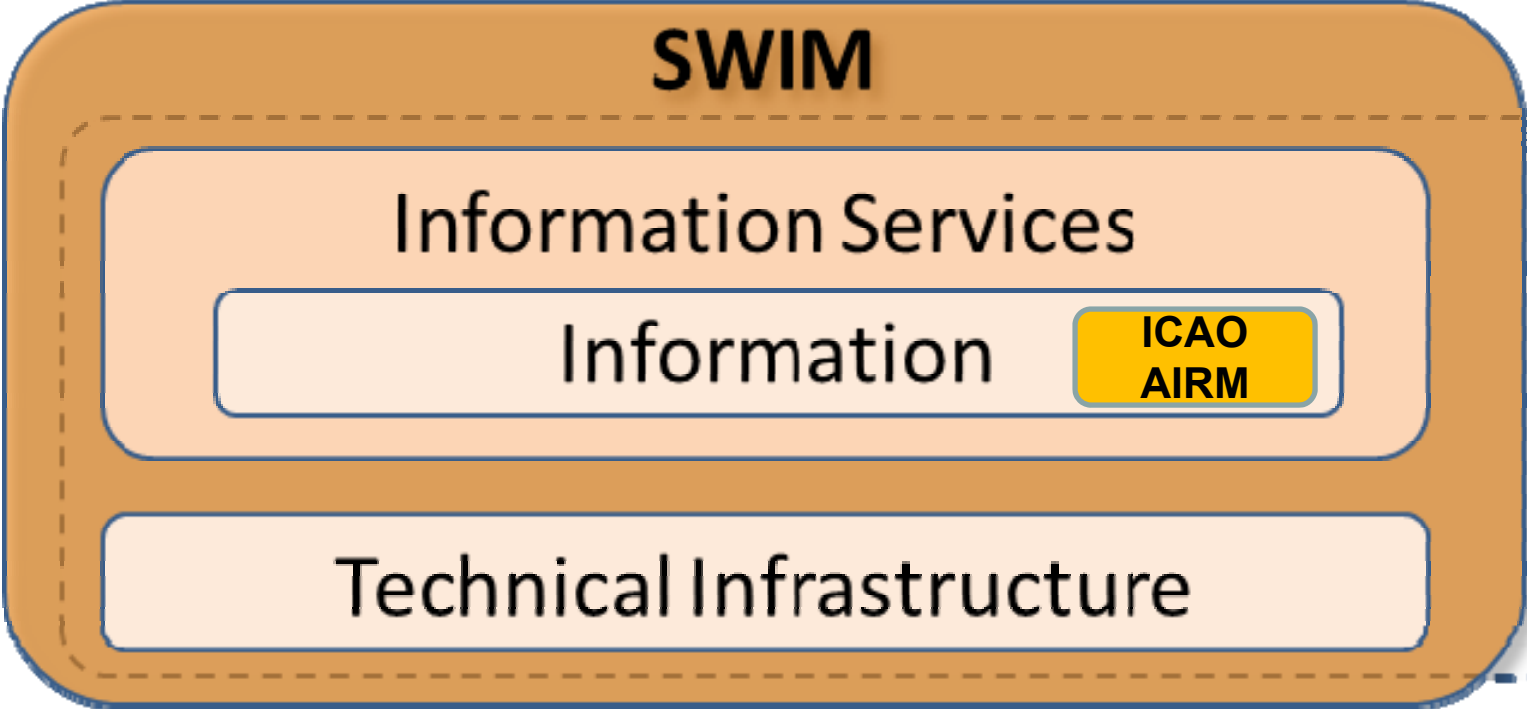
ICAO AIRM Scope: Subjects



Summary



SWIM-Enabled Applications



IP-Based Network



Thank you!

