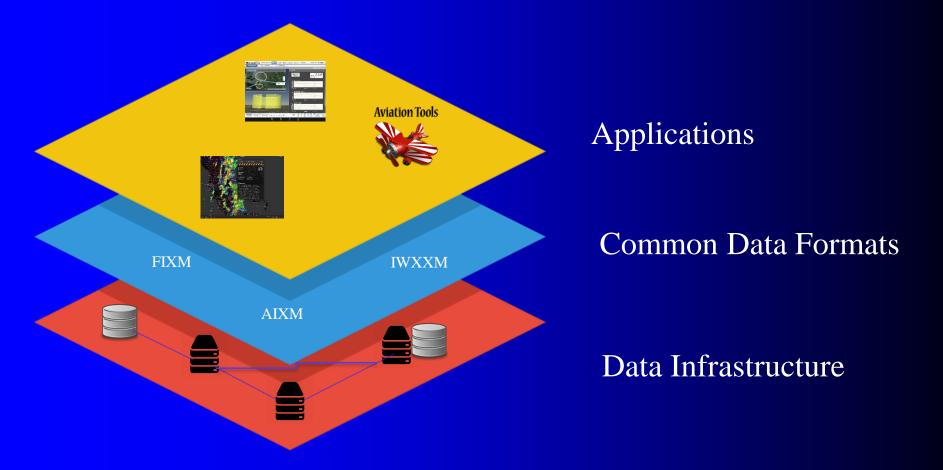
SWIM and IWXXM

Wellington 0830 - 1700 31 August 2017

Hosted by Civil Aviation Authority of New Zealand



SWIM Concept



IWXXM – the data format for meteorology

- Structured Data Model
- Aligned with WMO and ICAO Annex 3
- Available since 2013
 - Version 2.1 latest
- OPMET "should" be disseminated in IWXXM format from November 2016 (Amd 77, Annex 3) in addition to TAC
- OPMET "shall" be disseminated in IWXXM format from November 2020 (Amd 78, Annex 3) in addition to TAC

TAC vs IWXXM (1)





TAC vs IWXXM (2)

W07305 S2705 WI 150NM OF TC CENTER TOP ABV FL500





Why IWXXM?

- Aids machine-readability and can readily be transformed to many other forms
- XML schema can be used to check messages for correctness (i.e., 'validation') especially useful for data producers
- Explicit geo-locations (points, polygons, etc.) for weather phenomena
- Permissible usage: operational, non-operational test or exercise
- Future changes are likely to be made to add elements to IWXXM that are not possible to carry in TAC

SWIM Workgroup within NSS