

MDCRS Service

Weather Observations from Aircraft
FPAW
November 11, 2005

ARINC

YOU WON'T BELIEVE WHAT WE CAN DO.™

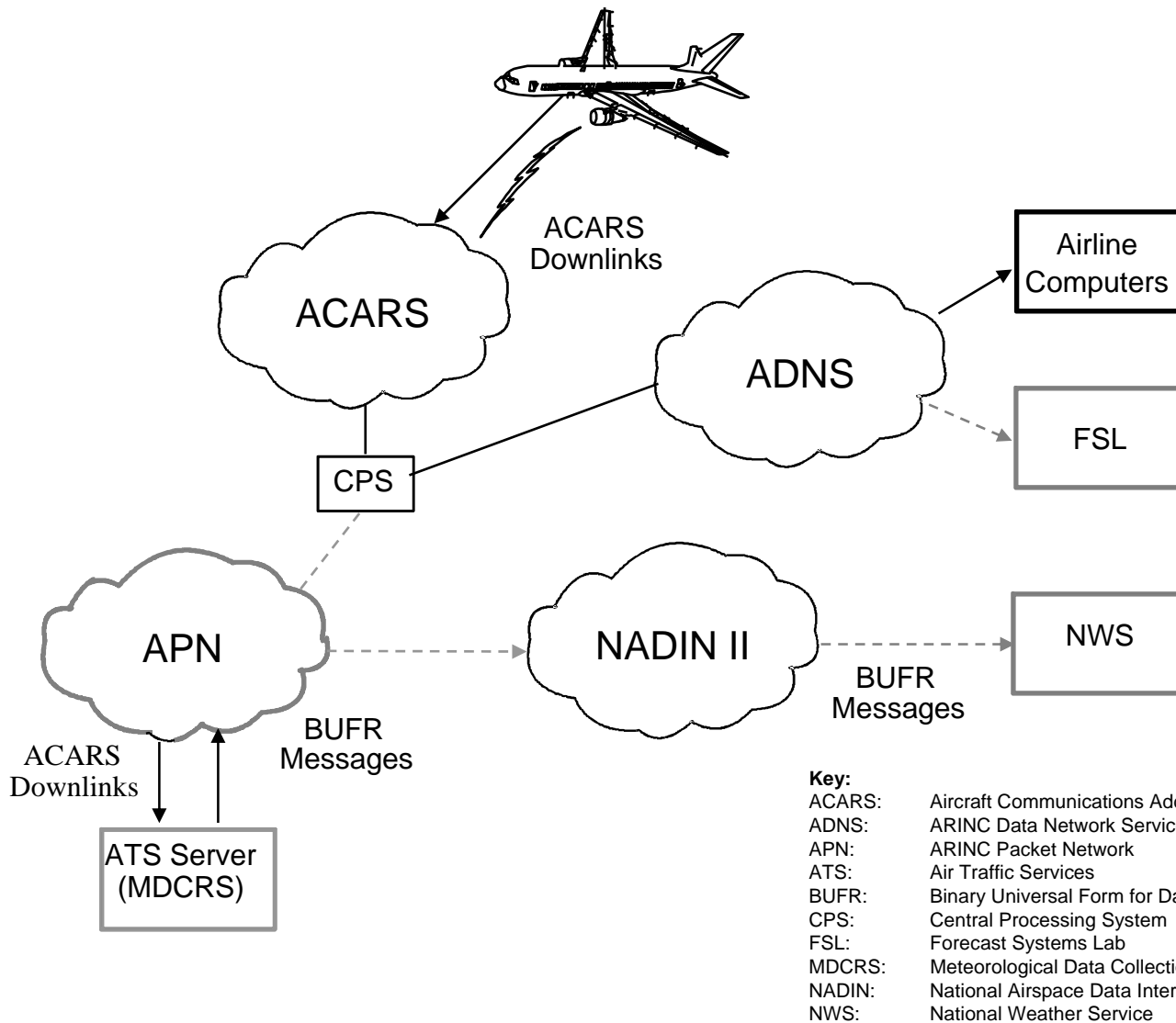




- ARINC receives weather observations from aircraft and reformats and distributes them to the NWS.
- Participating Airlines:
 - AAL
 - DAL
 - UAL
 - NWA
 - UPS
 - FX
 - SWA



The MDCRS System



Steps to Improve MDCRS

- Current provide about 3,000,000 obs. per month.
- Add carriers who operate in data-sparse regions
 - Alaska Airlines, America West, Frontier, Air Canada Jazz, USA3000, Trans States
 - Regional carriers with RJs that use ACARS
- Reduce communication costs by selecting most useful observations through “Optimization”
 - Select by flight number and phase of flight
 - Reduce number of redundant observations
 - Encourage use of standard format for MDCRS messages – ARINC 620.

