

ASOS DATA TYPE	ASOS DATA OUTLET											
	OID/REMOTE USER INTERACTIVE SCREENS					ON-SITE SCREEN	ON-SITE PRINTER	LONG-LINE			COMPUTER GENERATED VOICE	
	OBSVR LEVEL (1)	ATC LEVEL (1)	MAINT LEVEL	SYS MGR LEVEL	UN-SIGNED USER LEVEL	VDU	(STAFFED SITES)	NWS AFOS	NWS AWIPS	FAA NADIN	GROUND-TO-AIR RADIO	TELEPHONE DIAL-IN
OMO DATA	◆	◆	◆	◆	◆		◆		◆ ₂	◆ ₂	◆ ₃	◆ ₃
METAR DATA	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆	◆ ₃	◆ ₃
AUXILIARY DATA	◆	◆	◆	◆	◆	◆	◆					
SHEF DATA	◆		◆	◆	◆		◆	◆	◆	◆ ₄		
MAINTENANCE DATA	◆		◆	◆	◆		◆					
DAILY SUMMARY DATA	◆		◆	◆	◆		◆	◆	◆			
MONTHLY SUMMARY DATA	◆		◆	◆	◆		◆	◆	◆			

- ◆ Data type available through data outlet
- 1 This level not available remotely
 - 2 Selected OMO data provided once every 5 or 15 minutes upon request
 - 3 Either OMO or last transmitted METAR/SPECI - Not both
 - 4 Available through FAA ADAS interface

Figure 4. Availability of ASOS Data

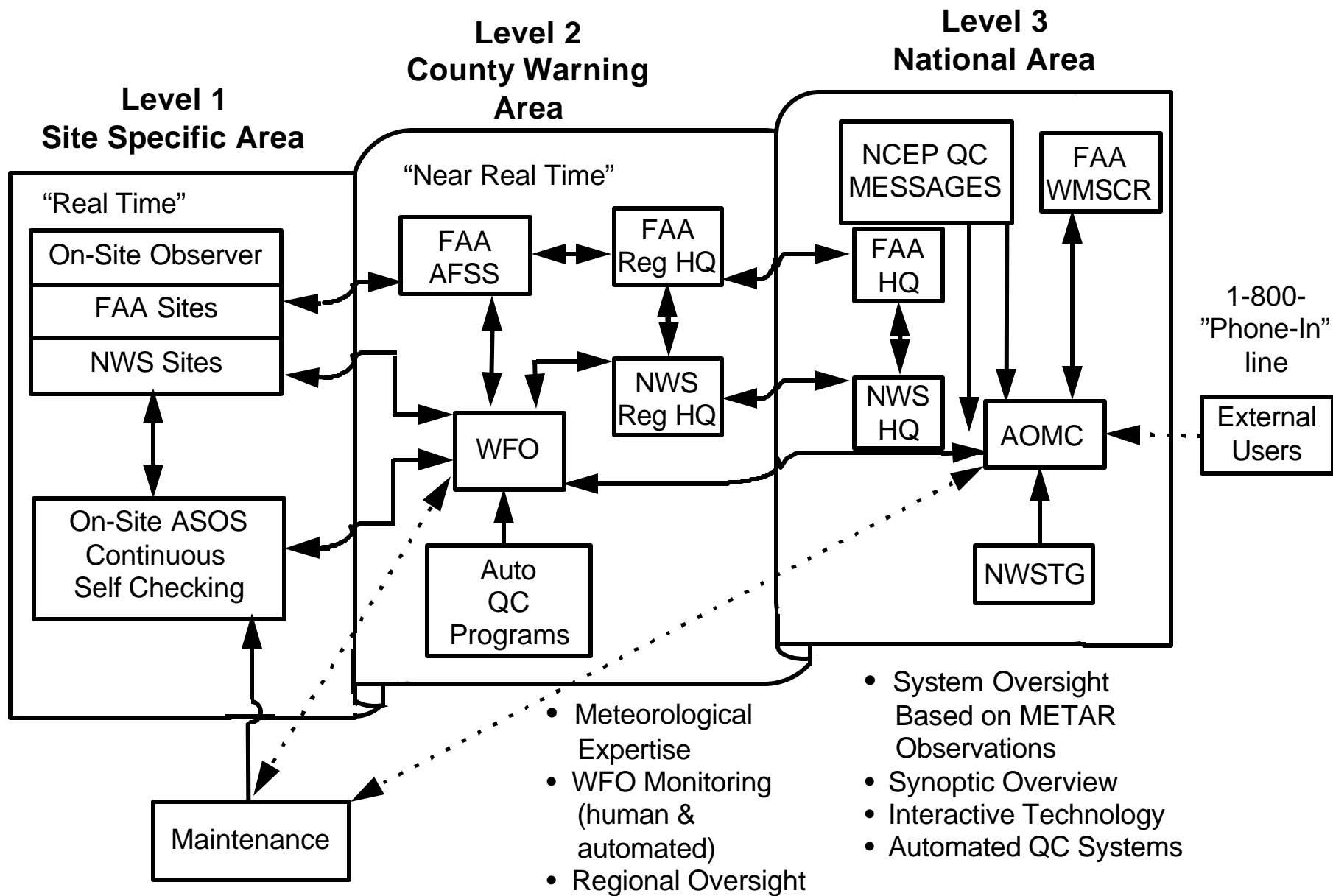
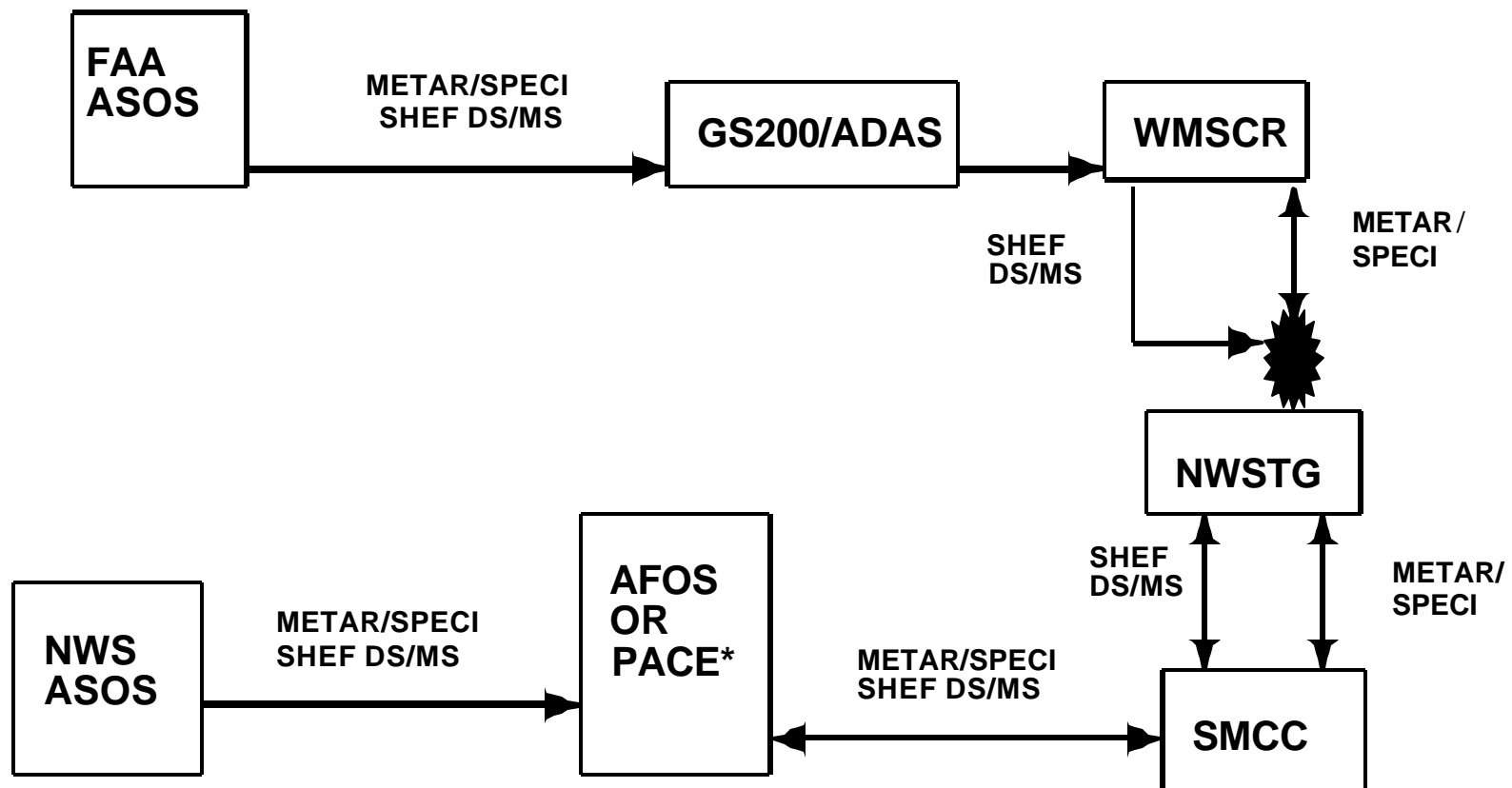


Figure 1. ASOS Quality Control Concept

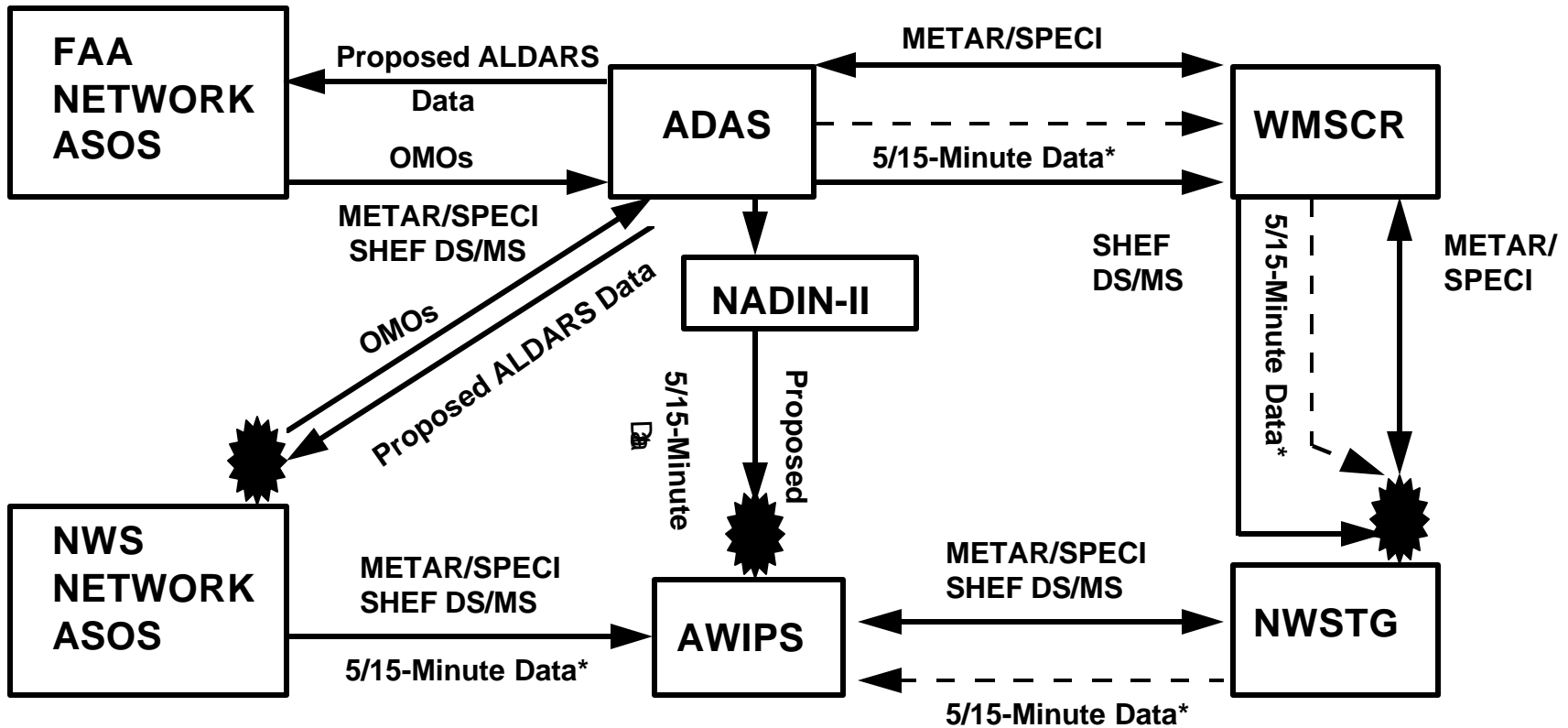


- Interagency Interface

* - PC-Based Asynchronous Communications Extension (for ASOS)

METAR/SPECI- Aviation Routine Weather Report
 SHEF - Standard Hydrometeorological Exchange Format Reports
 NWSTG - National Weather Service Telecommunications Gateway
 ADAS - AWOS/ASOS Data Acquisition System
 WMSC - Weather Message Switching Center

Figure 18. ASOS Network Data Flow—Initial Configuration (1997)



 - Interagency Interface

* - Alternate proposal for delivery of the 5/15-minute data from FAA to AWIPS

METAR/SPECI - Aviation Routine Weather Report
 SHEF - Standard Hydrometeorological Exchange Format Reports
 OMOs - One Minute Observations
 DS/MS - Daily Summary/Monthly Summary Messages
 WMSCR - Weather Message Switching Center Replacement
 ALDARS - Automated Lightning Detection and Reporting System

Figure 19. ASOS Network Data Flow—Final Configuration