

14 PART III NAS ARCHITECTURE DESCRIPTION OVERVIEW

Sections 15 through 32 discuss the NAS functional areas. Figure 14-1 illustrates the sequence of these functional areas by section number. Each section covers the following topics for each functional area:

- Overview
- Evolution
- Summary of Capabilities
- Human Factors
- Transition

- Costs
- Watch Items.

Figure 14-2 depicts the evolutionary steps of each major functional area by calendar year and shows the relationship of the steps to overall phases of NAS modernization. No effort was made to synchronize the dates of the steps across the domains. The steps occur when appropriate for each domain, given the program and implementation schedules involved.

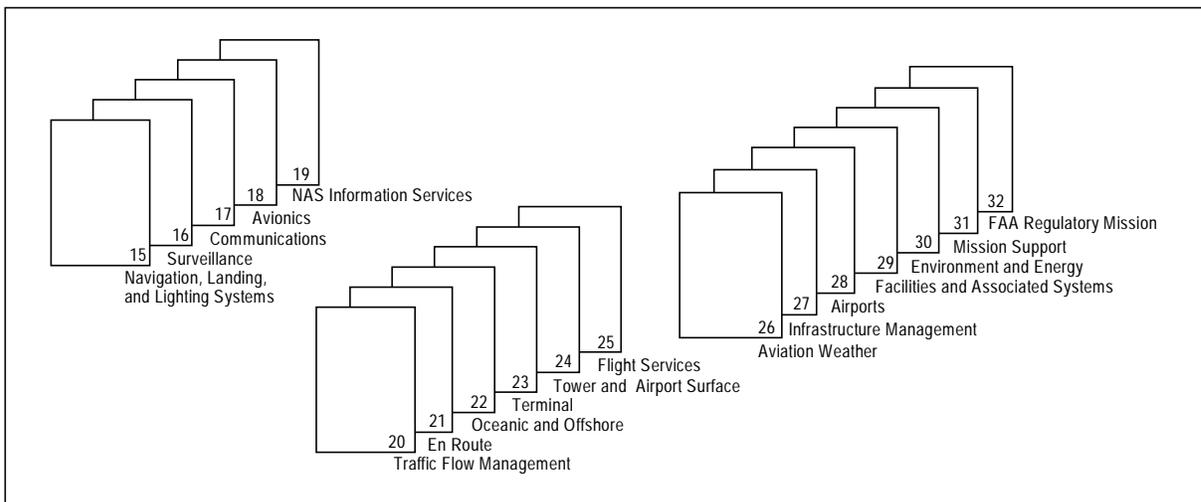


Figure 14-1. Roadmap of Functional Areas

	CY	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15
NAS Modernization Phases		Phase 1				Phase 2				Phase 3										
Navigation		Step 1		Step 2		Step 3				Step 4										
Surveillance		Step 1		Step 2		Step 3				Step 4		Step 5								
Mobile Communications		Step 1		Step 2				Step 3				Step 4								
Interfacility Communications		Step 1		Step 2				Step 3				Step 4								
Intrafacility Communications		Step 1		Step 2				Step 3				Step 4								
Avionics		Step 1		Step 2		Step 3				Step 4										
Collaboration & Info. Sharing		Step 1		Step 2		Step 3				Step 4										
Traffic Flow Management		Step 1		Step 2		Step 3				Step 4										
En Route		Step 1		Step 2		Step 3				Step 4										
Oceanic		Step 1		Step 2		Step 3				Step 4										
Offshore		Step 1		Step 2		Step 3				Step 4										
Terminal		Step 1		Step 2		Step 3				Step 4										
Tower/Airport Surface		Step 1				Step 2		Step 3		Step 4										
Flight Service Station		Step 1		Step 2				Step 3				Step 4								
Aviation Weather		Step 1		Step 2		Step 3				Step 4										
NAS Infrastructure Mgmt		Step 1		Step 2		Step 3				Step 4										

Figure 14-2. Functional Area Architectural Steps

