

Air Traffic System Requirements Service (ARS), Mission Analysis Division (ARX-200)
Mission Analysis Status
April 16, 1999

Section 1: Mission Analysis/Mission Need Statements
 Section 2: Special Projects

Section 3: MNS Completed & Transitioned to Investment Analysis
 Section 4: Preliminary Analysis/ Discussion/ On Hold/ Pending

Section 1 - Mission Analysis/ Mission Needs statements

<u>LOB #</u>	<u>MNS #</u>	<u>MNS TITLE/DESCRIPTION/STATUS & PHASE</u>	<u>POINTS OF CONTACT</u>	<u>PRIORITY</u>
ATS	326	<p>Title: <i>ADS-B</i> Description: New GPS based technology is being developed which can provide surveillance capability. Status: Final comments incorporated in MNS; MNS sent to RTCA for review and comment (4/22/99js)</p>	<p>ARX-200 Jim Rowlette 493 - 0669 Joe Sciortino 493-0246 AFS-430 Garrett Livack 267-7954 AIR-130 Jerry Anderson ASD-410 Evan Soffer ASD-130 Brent Phillips AND-470 Gene Wong 267-5339 ARR-100 Chris Overmoe ATO-410 Keith Dutch</p>	HIGH
ATS	XXX	<p>Title: <i>Airport Cable Loop (Fiber Optic) Sustain</i> Description: The Mission Need involves sustaining, replacing and technological opportunity for addressing an aging signal cable infrastructure. Aging control cable infrastructure poses an impending threat to the security and safety of the NAS. Status: Phase V. Evaluating interviews taken at ORF, RIC, PHF, Norfolk Detached Staff NIMS, IAD, DCA, LGA, EWR, JFK and LIB SMO. Modify MNS by 4/30/99. (4/22/99, alb)</p>	<p>ARX-200 Julia Frasure 493-0672 Amy Bennett 366-9935 Paul Piorier (617) 494-2204 Volpe ANI-30 Edgar Calderon ANI-30 Matt Sibert 493-6532 ANS-600 Lawrence Hawkins 267-9435 AOS-100 Frank Kulesa 267-9732 ANS-600 Drew Denton 267-7834 ANS-600 Pedro Bracero 267-7808 ARW-300 Robert Pierce 366-6793 ANS-600 Joy Fenton 554-8438 ANS-600 Renee Thomas 554-8438 ARN-300 Tim Wallace 493-0698</p>	LOW

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ATS	XXX	<p>Title: <i>Flight Safety Certification/ Aircraft Acquisition Programs</i></p> <p>Description: This mission need involves the revalidation of CIP M-11 for MNS 107 Aircraft Acquisition Program and CIP M-12 MNS 60 Aircraft Related Equipment Program.</p> <p>Status: Phase III In progress. Phase II Complete. Continue coordination and preparation for first IRT meeting scheduled for 4/27. Planned completion by 9/99 (4/22/99ra)</p>	<p>ARX-200 Russ Augspurg 366-0608 ARX-200 Patricia Walker 493-0661 AVN-7 Ray Gambill 954-4011 AVN-7 Roger Stickley 954-9810 ASW-206 Euel Henry 222-5203 AMQ-340 Carolyn Hudson 954-7884 PASS Phil Bradley 366-4381</p>	Medium

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ATS	333	<p>Title: <i>Seismic Safety Re-mediation Program</i></p> <p>Description: This program involves life safety of personnel and sustainment of air traffic operations in the event of seismic activity as well as risk mitigation by (structural and nonstructural) re-mediation of occupied operational facilities.</p> <p>Status: Phase IV. Phases II and III have been completed. The existing ROM cost estimate is being reviewed for validity. The initial IRT meeting was held 4/20 and resulted in some actions to exchange and review information and begin drafting sections of the mission need statement. The next meeting is 5/3. Planned completion is 8/99 (4/22/99pw)</p>	<p>ARX-200 Patricia Walker 493-0661 ARX-200 Russ Augspurg 366-0608 ARR-100 Fred Broadway 366-6925 ANS-400 Doris Turner 267-7973 ANS-240 Bill Kaplan 493-4361 ANS-300 Ed Mittelstedt 493-4327 ANS-400 Singh Colan 267-3072 ANS-500 Bob Chalfant 267-3072 ATX-200 Mary Wingard 493-4301 ATO-320 Bob Geranis 267-9326 AAS-200 David Cross 267-7784 ARX-200 Jerry Weber 646-2321 PASS Phil Bradley 366-4382 NATCA Sterling Swan 493-0301</p> <p>ASO-471 A. Stensland (404) 305-6570 ANI-30 Pablo RioFrio 493-6531 ANI-40 Marco Molinar 493-6544 ANI-730 M. Gorman (907) 271-3659 ANI-840 Jon Ikeda (425) 227-2217 ASU-140 Susan Freericks 267-8374</p>	Medium

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ATS	XXX	<p>Title: <i>Tower Display Integration Program</i></p> <p>Description: This effort involves an assessment of the Tower environment. The impetus was the proliferation of displays in the tower and TRACON environments. Initial focus is on human factors from the computer-human-interface and the stand point of space congestion. PRB direction (7/20) is to focus priority on an Information Display System (IDS) and the Tower/TRACON Electronic Drop Tube (EDT). Beyond these two short-term efforts, PRB direction is to complete a phased mission analysis for the domain.</p> <p>Status: Phase VI Tower IRT met 4/20. The team completed the report on the findings of current IDS systems in use in the NAS. This report will be presented to the PRB on 4/ 26. Tower Integrated Display MNS is being drafted.(4/23/99cc)</p>	<p>ARX-200 Cyndi Deyoe 493-0340 Joe Sciortino 493-0246</p> <p>ATO-400 ARR-100 Sam Moore 267-9210 Phillip LaBar 366-0301 Bob Fitzpatrick 366-1229 Alden Murray</p> <p>ARU-200 ARW-300 ANS Don Robertt 267-3917 AUA Mike Bateman ASD-120 Michael. McVeigh 358-5187</p> <p>NAATS: Jeff Barnes 493-0174 NATCA Wes Stoops</p>	MEDIUM

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ATS	Begin: 7/15/98	<p>Title: ILS Mission Analysis Description: Critical Analysis of the ILS system capabilities through the year 2015 to determine what gaps exist. Status: Clearing documents for publication. (4/23/99vv)</p>	<p>ARX-200 Virginia Volk 366-6939 ARX-200 Larry Reed (CGH) 366-4313 ARX-200 Stephen Crossetti 493-0671 AOS-100 Cheryl Veney 267-9591 AOS-240 Donald Megehee (405)-954-5131 Dick Caldwell (405) 954-5198 Stan Bradley (405) 954-5198 George Leal (405) 954-5198 APP-410 Steve Urlass 267-8821 Larry Kiernan 267-8784 ANS-400 Doug Campbell 267-8587 ANS-700 Doug Spandou (NISC) 646-2197 Frank Schmidt (NISC) 646-5300 Dennis Hughes(NISC) 646-5300 ARN-200 Franklin Patrick 493-0673 Trevor Henry 493-0701 Art Jackson (SLI) (703) 730-2442 Donald Lampkins (OCI) 366-9146 ASD-140 Dave Olsen 358-5440 Robert Anoll (SETA) 651-2290 AOP-300 Nick Kozak 267-7875 Tom O'Keefe 267-7868 AML-652 Judy Martin (405) 954-7453 AAS-100 Robert Bonanni 267-8761 ANI/ASIW Kelvin Solco(817) 222-4211 ANI/ASO Dave Gigowski AND-740 Gary Skillicorn 493-4747 Calvin Miles 493-4763 Mike Flynn 493-4758</p>	HIGH
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AOA	Begin: 4/10/98 End: 02/99	Title: Separation Standards (NAS Modernization Task Force Item 18) Description: NMTF-AI#18: Separation Standards & Capacity Status: IRT has finalized written report and action plan. Waiting to brief ATS-1. Clearing documents for publication. (4/23/99 vv)	ARX-200 Virginia Volk 366-6939 ARX-200 Larry Reed (CGH) 366-4313 ARX-100 Pilar Madera 493-0664 ARX-100 Rich Acosta 366-8546 ASC-100 Frank Soloninka 267-9340 Nick Johnson 267-5767 ASD-130 Steve Bradford 358-5224 Brent Phillips 358-5311 Lee Brown (MITRE/CAASD) (703) 883-7618 ASD-140 Ann Tedford 358-5432 Jack Nulty (SETA) 651-2365 ARU-100 Geoff Shearer 366-6573 ACT-500 Brian Colamosca 609-485-6603 John Van der Veer (609) 485-5645 AFS-405 Spyder Thomas 267-3726 AAR-100 Mark Rodgers 493-4611 ATO-140 Wayne MacKenzie 267-5789 ATO-410 Mitch Grossberg 493-4030 ATA-200 Frank Loy 267-9320 Steve Roseman AEE-120 Jake Plante 267-5594 Emily Barnett 493-5594 NATCA Bruce Ferguson 493-0254 SUPCOM Mark Penn Raymond E. Newman	HIGH
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ATS	NA	<p>Title: <i>ATS Special Project NAS Infrastructure Sustainment Priorities</i></p> <p>Description: ATS-1 has requested the development of a comprehensive package that clearly describes our most critical NAS Infrastructure sustain needs of today. The FAA Administrator may use the package when briefing the Department, Budget Office, and Congress). The first draft is due to ARS-1, AAT-1, and AAF-1 by February 26th. The package needs to make a compelling and defensible case (withstand critical review) on the current/ most critical capability shortfalls of the NAS infrastructure. It has to be in plain language, precise and to the point, sound bites, supported by available data, well organized, a repeatable story, and can transmit a sense of urgency to the audience. Expected products include a concise report with executive summary, briefing charts, and possible testimony posters.</p> <p>Status: Phase VI Executive briefing package is completed. Version 1.0 is being printed and will be distributed.(4/23/99cc)</p>	<p>ARX-200 Stephen Crossetti 493-0671 Cyndi Deyoe 493-0340 Joe Sciortino 493-0246</p>	HIGH
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Section 2 - Special Projects

ATS	330	<p>Title: <i>Small Aircraft Transportation System (SATS)</i></p> <p>Description: The National Aeronautics and Space Administration (NASA) has sought FAA's partnership in the mission analysis of the need for a hub infrastructure for commercially leased small business aircraft and personal use general aviation. Aspects of this are evolving, affordable aircraft technology that will increase commercial commuter and personal aircraft use. This is a forward-looking analysis of a future and separate aviation market likely to expand first along high tech/business corridors.</p> <p>Status: Phase III. Distributed draft Mission Needs Statement version .04 to the entire Integrated Requirements Team and interested parties. Briefed ATS program directors. Working ROM. (4/22/99 ht)</p>	<p>ARX-200</p> <p>H. T. Parker 493-0668 Bob Locke 493-XXXX Paul Gross 646-2310 Jerry Weber 646-2321</p>	HIGH
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Section 3 - MNSs Completed & Transitioned

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ATS	309	En route (and Oceanic) Domain	11/06/97	11/07/97	ARU-100 Jack Van Zandt	Patricia Walker	Randy Ficklin ARR
ATS	316	Facilities Risk Management	08/05/97	09/24/97	ANS-400 Juaida Norrell	Dave Hartnett	Phillip LaBar ARR
ATS	320	Voice Switching Capability for Flight Service Stations Investment analysis activity in progress.	08/05/97	09/24/97	ARU-300 Bill Howard	Patricia Walker	Randy Ficklen ARR
ATS	322	FAA Telecommunications Infrastructure Investment Analysis Team meeting held on 5/14/98	05/06/98	05/07/98	AFR-300 Tim Wallace	Julia Frasure	Tammye Jenkins ARR
ATS	323	Airport Surface Movement Enhancement and Runway Incursion Prevention MNS Approved by JRC on 5/28; transitioned to IA 5/29	05/28/98	05/29/98	ATO-102 Dwayne Dupon	Cynthia Deyoe	Mike Wagner ARR Chris Overmoe
ATS	325	Asset Supply Chain Management MNS approved by JRC on 8/28; transitioned to IA 8/27	08/21/98	09/10/98	AFZ-500, Connie Vinck AMC, Ken Frengs AML, Bob Oborsky	Julia Frasure	Phillip Bergstrom ARR
ATS	137	Next Generation Communication [Revalidation]	05/05/98	05/06/98	ASR-200 Don Willis	Julia Frasure	Randy Ficklen ARR
ATS	XXX	Bahamas Modernization Plan (Special Project) Begin: 5/16/97 End: 5/16/98	NA	NA	ASO	Dave Hartnett	Chris Overmoe ARR

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ATS	XXX	Chicago TRACON Project Mission Analysis Document Begin: 3/1/98 End: 5/8/98	NA	5/8/98	AGL-503 Bob Everson, 847-294-7402	Virginia Volk	Chris Overmoe ARR
ATS	XXX	Aeronautical Data Link System (ADLS) (revalidation as a result of NMTF Action Item) (see CPDLC)	NA	5/20/98	Lockett Yee 358-5088	Virginia Volk	Frank Cote ARR
ATS	XXX	New York TRACON Infrastructure Analysis	NA	9/17/98	AAT	Cyndi Deyoe	AAT
ATS	XXX	Planned View Display (PVD)/ Interface Buffer Adapter Generator (IBAG)	NA	9/25/98	ATO-1 Jeff Griffith	Cyndi Deyoe	ARR
ATS	XXX	Power Systems	NA	11/12/98	ANS-600 Drew Denton	Cyndi Deyoe	Phil Bradley ARR
ATS	NPI-86	Revalidation of the Gulf of Mexico Mission Need Statement (GOMP)	NA	3/31/99	ATO	H. T. Parker	ARR
ATS	XXX	Weather Message Switching Center Replacement (WMSCR)	NA	3/31/99	ATO	H.T. Parker	ARR
ATS	XXX	International Compatibility for all NAS	NA	9/14/98	AAT	Cyndi Deyoe	Pat Millspaw ARU

Phases of Mission Analysis:

- Phase I:** Service and Operations Analysis
- Phase II:** Initial Needs Analysis and Acceptance
- Phase III:** ATS Needs Validation
- Phase IV:** Trend and Cost Analysis
- Phase V:** Review and Coordination
- Phase VI:** Agency Review and Coordination

Priorities:

- High:** Potential for loss of life, immediate impact on safety or imminent impact on safety or imminent widespread adverse affect on capacity; results in substantial cost savings, benefits, or productivity; or is politically sensitive.
- Medium:** Directly related to near/mid term safety issues or potential to have a limited adverse affect on capacity in the near term, or results in significantly cost savings, benefits, or productivity, or has the potential for political ramifications.
- Low:** Any relation to safety or capacity is long term (10-15 years), offers limited or no cost savings, benefits, or increases in productivity, and has no political impact.

Notes: New MNS Shaded.

- ~~— Status Updates/Changes in BOLD TYPE.~~
- ~~— XXX – MNS Number will be assigned after ARX-200 Acceptance Criteria Completed~~
- ~~— ETD – Estimated Transition Date (Transition to ARR for Investment Analysis)~~
- ~~— Priority based on mission analysis acceptance criteria priority definition (follows MNS listing)~~
- ~~— Mission Analysis Completions/Transitions Noted for 3 months then transferred to separate file.~~

Air Traffic System Requirements Service (ARS), Mission Analysis Division (ARX-200)
Mission Analysis Status
April 16, 1999

Section 1: Mission Analysis/Mission Need Statements
 Section 2: Special Projects

Section 3: MNS Completed & Transitioned to Investment Analysis
 Section 4: Preliminary Analysis/ Discussion/ On Hold/ Pending

Section 4 - Preliminary Analysis / Discussion/On 'Hold'& Inactive

<u>LOB#</u>	<u>MNS#</u>	<u>MNS TITLE/DESCRIPTION/STATUS & PHASE</u>	<u>POINTS OF CONTACT</u>	<u>PRIORITY</u>
ATS	237	Title: <i>Central Florida [Metroplex] Large TRACON</i> Description: To be in accordance with the FAA's Acquisition Management System, a revalidation of the MNS for the Central Florida Large TRACON (CLT) Program is needed. Status: Phase I. This project has been placed on hold by the PRB, pending results of airspace study. On Hold (tbd)	ARX-200 Bob Lock 493-XXXX ATA-200 Frank Loy 267-9320 ARN-100 John Babich 493-0709 DAB ATCT Burt Willis (904)-266-3902 ORL ATCT Steve Dye (407) 240-4536 PASS Rick Honsa (407) 240-4536	Pending/ Hold
ATS	232	Title: <i>NAS Regional Center Logistical Support Services</i> Description: This was a revalidation of a logistics support service contract that expired in 1999. Status: Phase: V + On Hold (tbd)	ARX-200 Patricia Walker 493-0661 ANS Rita Estrada-Cavallini 267-9528 ACE-55 Steve Switzer (816) 426-3401 ARR-100 Bill Baumann 366-8073	Pending/ Hold
ATS	XXX	Title: <i>Operation Data Management System (ODMS)</i> Description: A request for revalidation of the current MNS was received. ODMS involves enhancement and integration of existing systems to be linked together into one operating environment. Status: Phase III. On Hold. (tbd)	ARX-200 TBD (H. T. Parker 493-0668) ATA-100 Rodger Dean AIT-200 Jaime Figueroa ARR-100 Phil LaBar	Pending/ Hold

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Air Traffic System Requirements Service (ARS), Mission Analysis Division (ARX-200)
Mission Analysis Status
April 16, 1999

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