

AJR-X Update 504 Section B

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February 26, 2021

IT STARTS
WITH A
PLAN



VIABLE OCPs +



EXERCISED OCPs =



PREPARED CRISIS RESPONSE



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◀ 504b. Requirement, Review and Actions

Requirement:

- Not later than 60 days after the date, the air traffic control operational contingency plans are reviewed under subsection (a), the Administrator shall submit to the appropriate committees of Congress a report on the review, including air traffic facility outages that do not have a major impact on the operation of the national airspace system (NAS)

Review:

- Current FAA Order 1900.47 Air Traffic Control Operational Contingency Plans
- Development of an extensive plan for improving infrastructure
- Procedures with the intent of modeling this effort for strategic contingency planning at all NAS facilities

Actions:

- Update the FAA Order 1900.47
- Establish a waterfall for the OCP rebuilds to include and prioritize Core 30 airports for all domains consisting of ATCTs, TRACONs and ARTCCs
- Facilitate Contingency Exercise Program workshops using realistic scenarios tailored to the operational characteristics and contingency capabilities of the individual facility



◀ Operational Readiness (AJR-X) Overview



Centralized Operational Contingency Group:

- Agency focus on facility Operational Contingency Plans (OCPs)
- Mission: Build Contingency into the culture of the FAA

AJR-X Vision:

- Rebuild the facility OCPs for all domains (ATCT, TRACON, ARTCC) so that they are consistent, have common essential elements, are socialized and agreed upon with their support network facilities, and are exercised on a routine basis to confirm plan awareness
- Viable Plans + Exercised Routinely = Prepared for Crisis Response

Current State:

- AJR-X became an official directorate on June 21, 2020
- AJR-X continues to apply consistent and dedicated focus towards improving and sustaining the safety and efficiency of the NAS, along with ensuring customer and stakeholder collaboration to support the vision and the mission of the Agency



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ATO Operational Readiness AJR-X

Contingency Planning & Integration

Apply analyses of NAS systems and tools toward the advancement of systems and future NAS capability requirements.

Services/Functions

- Conduct risk and trend analyses on contingency events
- Perform gap analyses and create Operational Contingency Plans (OCP)
- Maintain OCP database, ACT2, and oversee acquisition of its replacement
- Assess and validate contingency-related NAS capability needs

Contingency Operations

Rebuild and exercise facility Operational Contingency Plans to confirm viability and awareness

Services/Functions

- Conduct facility OCP reviews
- Facilitate site-level OCP validation and rebuilds
- Support site-level OCP exercises

Policy & Procedures

Provide the foundational processes for contingency policy, training, exercises and international LOAs

Services/Functions

- Manage necessary updates to the JO 1900.47F policy
- Develop OCP training and guidance
- Define OCP exercises procedures
- Execute International contingency Letters of Agreement (LOA)



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FY19 Accomplished Leadership Goals

- Conducted Operational Contingency Plan (OCP) Exercises at 10 facilities (see slide 8 for full list)
- Completed OCP Reviews and Reports for 50 sites
- Conducted OCP Rebuilds at 12 sites (see slide 8 for full list)
- Completed OCP Overview Training video
- Drafted Operational Contingency Evaluation & Exercise Procedure (OCEEP) guidance
- Developed a draft plan for NAS Enterprise System contingency planning
- Developed initial requirements for the acquisition development of an OCP database to replace the Automated Contingency Tool (ACT2)
- Completed alternatives analysis report and recommendations for Oceanic OCPs



FY20 Accomplished Leadership Goals

- Completed the development of a NAS Enterprise System Operational Contingency Plan (EOCP) pilot for Traffic Flow Management System (TFMS)
- Conducted 12 OCP Exercises (see slide 8 for full list)
- Conducted OCP Rebuilds at 21 sites (see slide 8 for full list)
- Completed OCP Reviews and Reports for 50 sites
- Completed final template for International Contingency Letters of Agreement (LOA) to be employed between Federal Aviation Administration (FAA) and International Air Navigation Service Providers (ANSP's) around the US borders. Two LOAs completed between Boston (ZBW)/NAVCANDA Moncton and ZBW/NAVCANDA Montreal
- Developed a Contingency Exercise Program that includes guidelines, metrics, tools and templates for Air Traffic Control Tower facility implementation
- Published the 1900.47F rewrite and change communication



◀ 1900.47 Policy Publication: March 2020

Significant 2020 Changes

Spring 2020 Update

ADDED

- ✓ ATC-Limited application has been expanded to ARTCCs.
- ✓ Additional guidance is provided for developing Letters of Agreement (LOAs) with external organizations.
- ✓ Guidance is provided for the inclusion of Notice to Airmen (NOTAM) dissemination in OCPs.
- ✓ OCL and response level reporting processes have been simplified and incorporated into Joint Air Traffic Operations Command (JATOC) notification procedures.
- ✓ All facility Air Traffic Managers (ATMs) must ensure at least one facility ATC-Zero exercise is conducted annually— *actual ATC-Zero events no longer satisfy the annual exercise requirement.*
- ✓ All contingency routes (both radar and non-radar) and procedures for their use during an ATC-Zero or ATC-Limited event must be stored as an attachment in the Automated Contingency Tool (ACT2).



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OCP Rebuild & Exercise Summary



FY19

12 OCP Rebuilds complete: Miami (ZMA), Washington Dulles (IAD), Memphis (MEM), Salt Lake (SLC), Anchorage (ZAN) Oceanic, Oakland (ZOA) Oceanic, Washington Reagan (DCA), Minneapolis-Saint Paul (MSP), Fort Lauderdale (FLL), Denver (DEN), Houston (IAH), Seattle (SEA)

10 OCP Validation Exercises: Memphis (ZME), Oakland (ZOA), New York TRACON (N90), 3 at FAA Command Center (ATCSCC), Washington Dulles (IAD), Memphis (MEM), Salt Lake City (SLC), Washington National (DCA)

FY20

21 OCP Rebuilds complete: New York (ZNY) Oceanic, Detroit Metropolitan Wayne County (DTW), Chicago O'Hare International (ORD), Chicago Midway (MDW), Orlando International (MCO), San Francisco International (SFO), Hartsfield - Jackson Atlanta International (ATL), McCarran International (LAS), Phoenix Sky Harbor International Airport (PHX), Baltimore/Washington International Thurgood Marshall (BWI), Dallas-Fort Worth International (DFW), Los Angeles International (LAX), New York LaGuardia (LGA), New York John F. Kennedy Intl (JFK), Newark Liberty Intl (EWR), Boston Logan Intl (BOS), Teterboro Airport (TEB), William P Hobby (HOU), San Diego Intl (SAN), Honolulu Intl (HNL), Portland Intl (PDX)

12 OCP Validation Exercises: New York (ZNY) Oceanic, Detroit Metropolitan Wayne County (DTW), Chicago O'Hare International (ORD), Chicago Midway (MDW), Orlando International (MCO), San Francisco International (SFO), Hartsfield - Jackson Atlanta International (ATL), McCarran International (LAS), Phoenix Sky Harbor International Airport (PHX), Baltimore/Washington International Thurgood Marshall (BWI), Dallas-Fort Worth International (DFW), Los Angeles International (LAX)

FY21

27 OCP Rebuilds Planned (completed): *Philadelphia (PHL), Miami (MIA), Nashville (BNA), New Orleans (MSY), Oakland (ZOA), Tampa (TPA), Cincinnati (CVG), Charlotte (CLT), Albuquerque (ZAB), Atlanta (A80), Chicago (C90),* NorCal (NCT), Houston (ZHU), New York (N90), Dallas FW (D10), SoCal (SCT), Atlanta (ZTL), Chicago (ZAU), Los Angeles (ZLA), Cleveland (ZOB), Miami (ZMA), Fort Worth (ZFW), Salt Lake (ZLC), Washington (ZDC), Memphis (ZME), Minneapolis (ZMP), Seattle (ZSE)

Contingency Exercise Program: Q1 FY21 beta test with ATCT (PHX), TRACON (P50) and ARTCC (ZAB): Q2 FY21 develop waterfall