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## SAFETY AND TECHNOLOGY DEPARTMENT UPDATE

Week ending July 3, 2015

**AIRSPACE:** Jim Davis (PCT) represents NATCA's work on Airspace Initiatives as the National Lead for Airspace. Mr. Davis and various Airspace Team Leads forwarded the reports below for this week.

- **Atlanta Metroplex**
  - Updated MS Project file
  - Meeting regarding VOR MON and replacing 4 VORs with waypoints on ATL STARS
  - Closed out 06252105 Airspace Implementation
  - Verified new 10152015 and 12102015 airspace files from ATAC
  - Created training graphics for 12102015 ZTL Area 6 & 7 training
  - Met with A80 to review A80 STAR Design Packages we received back from ATAC
  - **Issues:**
    - A80 STARS (Platform) Training & Implementation (Summer 2015) – Postponed to Fall 2015
  - **Milestone/Activity—Completions:**
    - ZTL started metering part time to ATL on June 2, 2015
    - 06252015 Airspace Implementation
  - Submitted by Joey Tinsley Atlanta Metroplex Co-Lead
- **NorCal Metroplex**
  - Cancelled the Weekly NorCal Telcon (Wed) – Core / POCs met @ NCT Tues and Wed.
  - Participated in an ERAM / Metroplex telcon with SoCal Metroplex Art 48 Rep Jose Gonzalez, ZDC Airspace Rep Curt Johnson, and ZDC ERAM PFR Rex Jackson. Discussion items included: nuisance Conflict Alert / Procedure Altitude SIG1587; conflict probe modeling; known issues with ERAM / Metroplex / Data Comm; potential future and currently used workarounds to known issues. Work with Jose will continue to capture all known issues, possible workarounds and best forward paths for current and future Metroplex teams.
  - Core / POC Meeting @ NCT (Tue-Wed). Reviewed and edited Design Packages and Change Control Sheets for all NorCal Metroplex procedures with CSSI Documentation Specialist Debra Mulder (to be finalized and signed at next Core meeting); updated Implementation Tracker; reviewed team schedule through September; discussed status of meeting with SoCal Team and the needs from ZOA's perspective; determined appropriate coordination with Flight Plan Filers for Aug 20<sup>th</sup> Implementation; planned Industry Outreach for Aug 20<sup>th</sup> Implementation; NBAA conversation re: appropriate chart notes and ATIS possibilities for OAK procedures; reviewed all upcoming amendments through Dec 2015; reviewed outstanding change requests that have been validated, but not yet submitted; discussed and captured need for HWD procedures.
  - Weekly National Metroplex Telcon cancelled due to unavailability of many of the regular participants (Wed).

- Coordinated with SoCal Metroplex Art 48 Rep Jose Gonzalez to follow up on information discussed during ERAM / Metroplex Telcon. Planning call early next week.
- SoCal and NorCal Metroplex Teams to meet and discuss necessary changes to entry and exit fixes. Initial informational PowerPoint received from ZLA and discussed by NorCal Team this week; ZLA and ZOA to work out agenda, necessary SMEs, availability of each team and location / type of meeting. ZOA needs discussed during Core / POCs meeting; ZOA Management POC Jeff Hubert will follow up with ZLA POCs.
- Upcoming: July 28-29 Core / POCs Meeting (@ NCT); Quarterly Staff Meeting (SEA) moved to Aug 4-7; Aug 20<sup>th</sup> – Stage 5A Implementation; TBD: Meeting with SoCal Metroplex Team
- Worked 1 Operational shift for staffing.
- Submitted by Amanda Hodge Article 48 Rep, NorCal Metroplex
- **DC Metroplex**
  - DC Metroplex team conducted successful June implementation of OAPM RNAV procedures for BWI, DCA, IAD, ADW, and satellite airports.
    - RNAV SIDS for KBWI working as designed with no issues.
    - RNAV SIDS for KDCA working as designed with no issues.
    - RNAV SIDS for KADW working as designed with no issues.
    - RNAV SIDS for KHEF are working as designed with a few automation issues that were corrected with ZDC FAST automation build on 06/30/15.
    - CAVLR 2 RNAV STAR for KIAD is working as designed with no issues.
    - DUCXS 2 RNAV STAR for KRIC is working as designed, but there are instances with some carriers not filing procedure. Metroplex Industry POC's providing follow up with dispatchers to increase awareness and filing/usage of the procedure.
  - DC Metroplex conducted daily teleconferences twice a day with affected air traffic control facilities and industry/GA, identifying issues associated with the June implementation.
  - Delta MD88/90 series aircraft unable to accept RNAV SID's due to navigational equipment limitations—aircraft will be assigned conventional routing and altitude assignment through the end of 2015 until FMS's are updated.
  - Incorrect filing of navigational equipment in field 18 of ICAO flight plan, untimely updating of FMS data base noted as a continuous issue the first 2/3 days of implementation—Industry POC's reaching out to industry to reaffirm the importance of correct flight plan filing for the new procedures—also making note of the issue for the “lessons learned” portion of the OAPM process to prevent future occurrences.
  - Identified several automation issues initial day of implementation—issues resolved with ZDC FAST rebuild 6/30/15.
  - Limited cases of KDCA departures over MOL/GVE flashing to ZDC-06 HGR sector instead of ZDC-60 MOL sector and issued was corrected on 6/30/15.
  - The NACO Charts published with the wrong departure frequency for the BULRN1; however Jeppesen and Lido charts were correct. A NOTAM has been issued for the NACO charts showing the correct frequency until the BULRN2 is published.

- ZDC had an issue with LINCEN1 departures from ADW flashing to incorrect ZOB sector, noted as an ERAM parameter issue, current ZOB ERAM processes flight plan distribution at requested altitude at a distance greater than 93 miles from departure point—issue under review between ZDC and ZOB.
- DC Metroplex team began scheduling/logistical support with Environmental Specialist, North Team Operations Support Group, AJV-E2 for noise modeling of DC OAPM procedure changes
- DC Metroplex team directed affected stakeholders to the coordination website for up-numbered RNAV SID procedures due to the Runway Safety Area (RSA) project at DCA.
- Submitted by Bennie Hutto Article 48 Rep, DC Metroplex
- **SoCal Metroplex**
  - The core team participated in the 3<sup>rd</sup> week of Public Outreach meetings for the Draft EA
  - Rob Henry (FAA Co-Lead) and Mr. Gonzalez briefed staff members for LA City Councilman Mike Bonin of the 11<sup>th</sup> District on SMO procedures. Their major concern was de-coupling LAX and SMO procedures and air pollution. They requested additional information on LAX departures and early turns.
  - Amanda Hodge, NorCal Metroplex, Mr. Gonzalez, Curt Johnson, ZDC Airspace and ZDC ERAM Rex Jackson participated in a telcon to discuss SIG1587. SIG1587 is the ERAM patches to address descend via/false conflict alert activations. There are many facets to the problem and the solutions are increasingly difficult to engineer and cost is rising. There have been many workarounds that have been developed, but there are still many issues that need to be addressed. The team will continue to work together to try to address the issues and find solutions to them.
  - The core team and environmental team conducted a Public Outreach meeting in Ventura County on June 29 for Metroplex procedures affecting the Fillmore, Camarillo, Oxnard and Point Mugu areas.
  - The core team and environmental team conducted a Public Outreach meeting in SBA on June 30 for Metroplex procedures affecting SBA.
  - Mr. Henry, Ryan Weller, FAA Environmentalist, and Mr. Gonzalez briefed representatives for the City Of Culver City and a representative for Congresswoman Karen Bass of the 37<sup>th</sup> District. The City of Culver City had concerns over the use of DNL vs CNEL for noise evaluation. Why NIRS was used instead of AEDT and the presumed to conform air quality exemption awarded the FAA. They also had concerns over the fix CLIFY that is closely located to SMO. Additional Google earth slides will be prepared to better display the fix.
  - Some of the comments received from the public outreaches:
    - When will the extension to the comment period be announced? The comment period ends July 10, 2015.
    - The need to provide interactive maps so that the public can find their home and see how procedures overlie them.
    - The need to provide dependencies of other procedures to better explain why a procedure just can't be moved over there. More ATC 101 explanations; perhaps having a specialist who can explain "criteria" and why a fix, or leg length or arc "has to be" that way; can pilots be present to answer the public's questions.

- Thank you SoCal Metroplex Team for all of your hard work. These past 3 weeks have been exhausting but hopefully have done a lot to help the public better understand the process. The team will be taking a week off. Happy Independence Day from your SoCal Metroplex Team.
- Submitted by Jose Gonzalez Article 48 Rep, SoCal Metroplex
- **Phoenix OAPM Design and Implementation**
  - Albuquerque ARTCC for Design
  - TMU HITL Matrix creation with Tom Schaefer of MITRE
  - Project Tracker review and update
  - Procedure Tracker review and update
  - TBFM adaptation discussions with ZAB, P50, and ZDV
  - Project progress discussions and deadline updates with core team
  - Major scheduling updates and creation for fall and winter.
  - Prep for next weeks TMU meeting with ZAB, P50, Metroplex national TBFM team, and National NATCA TBFM team
  - Reviewed current known issues still to be resolved
  - Mark Ostronic Phoenix Metroplex NATCA D&I Lead
- **Charlotte Metroplex**
  - Leads worked at home facilities
  - Continued work on LOAs and the CLT SOP
  - Assisted CLT with video map issues
  - Re-schedule Industry outreach at the request of our industry partner
  - Working with CLT Airport to set-up a briefing on the project. The Airport has several question and we are coordinating with our contractors and Service Center support to provide answers
  - Coordinated with Sean Bodkin to be included in upcoming dispatchers TELCONS
  - Participated in various TELCONS
  - **Issues:**
    - LIINN STAR. The procedure was not fully flight checked due to an equipment failure on the aircraft. This check is being re-scheduled and the publication will be delayed until October 15, 2015. This does not delay implementation
  - **Upcoming:**
    - 7/6/15 – At ZTL
    - 7/13/15 – At CLT
  - Submitted by Bob Szymkiewicz, Charlotte Metroplex Team Lead
- **North Texas Metroplex/CSA PBN**
  - PBN Weekly Project Status Telcon
  - Weekly Central OSG Management Meeting
  - Central QA/ATO Safety Meeting over specific incidents and PBN procedure development
  - NSPP Weekly Telcon
  - Chicago Airspace Project Telcon- Commissioning of KORD RWY 10R/28L
  - Future planning for KCMH, KCRP, KIND, KMSP, KAUS, KPWK upcoming RNAV requests and projects.
  - **Upcoming Activities:**

- Annual Leave---July 9-18
  - Columbus, OH (KCMH) BAR Development---July 28-30, at Columbus, OH
  - KIND Post Implementation Meetings---August 4-6, Indianapolis, IN
  - Next Chart Date-August 20, 2015
- Submitted by CSA PBN NATCA Art. 48, Brent Luna
- **Eastern Service Area PBN**
  - Attend ESC weekly Airspace Redesign (ARD) meeting
  - Weekly NATCA PBN Telcon
  - NSPP Telcon
  - Working BOS ATSAPs
  - Coordinating with ZBW and A90 on progress of LOA changes need for Descend Via (DV) procedures
  - Working with .41 Co-Leads and AJV14 on Post Implementation Analysis Report (PIAR) format to close out 7100.41 projects
  - Participated in Telcon for the CURSO4 RNAV STAR into MIA
  - **Upcoming Activities**
    - Clarify changes to the MIA CURSO4 STAR with MIA TRACON to finalize design
    - Travel to Nashua July 7 & 8 for Post-Implementation work
    - Travel to Nashua July 27-31 for STAR redesign
    - Travel to DC July 14-16 for 7100.41 rewrite meeting
    - Travel to IIU August 10-13 for SDF/ZID STAR design meeting
    - RAPT meetings; AEA July 7, ANE July 15, ASO July 22
  - Submitted by Bill Wise, ESA PBN Rep
- **Metroplex Study Team**
  - Took 1 day of Annual Leave/1 day Holiday Leave
  - Held Telcon with Metroplex Program Office and Mitre support reference Las Vegas Study Team schedule
  - Participated in weekly Metroplex Staff telcon
  - Multiple telcons with Metroplex Program Manager and Mitre support to discuss Las Vegas Study Team activities
  - Multiple telcons to discuss potential North Texas Metroplex activities
  - Participated in numerous telcons with NATCA airspace representatives regarding various airspace related issues
  - Participated in numerous telcons with the Metroplex Program office and Mitre support personnel reference various concerns at the different Metroplex sites
  - **Upcoming Activities:**
    - North Texas Post-Implementation Data Review – July 9, 2015
    - 7100.41 Re-Write Meeting – July 14-16, 2015
    - Las Vegas Study Team Kickoff – August 4, 2015
    - Metroplex Leads Meeting – Seattle – August 5-6, 2015
    - Las Vegas Study Team Initial Outreach Meeting – August 11-13, 2015
    - Metroplex Summit Meeting – September 22-24, 2015
    - NATCA Art. 48 Tech Rep Meeting – New Orleans – November 17-19, 2015
  - Submitted by Metroplex Study Team Art. 48 Ed Hulsey

- **NATCA National Airspace Rep**
  - Spoke with Jodi McCarthy, Director of Airspace Services, concerning North Texas
  - Met for 2 days at Mitre working on version 5 of the NAS NAV Strategy document
  - Had multiple discussions concerning PHX
  - Participated on a Telcon to discuss various projects affecting the NAS
  - Submitted by Jim Davis (PCT) NATCA National Airspace Rep

**COMMON AUTOMATION (CARTS):** Mickey Vitti (N90) represents NATCA members as the Article 48 Representative for CARTS. Mr. Vitti's update for the week is below.

- Traveled To Lockheed Martin in Eagan, MN along with Charlie Driscoll (C90) for the Chicago FMA 100% In Process Review (IPR).
- July 3 used for staffing at N90.

**DATAComm:** Chad Geyer (ZLA) is the DataComm Article 48 Representative. Mr. Geyer's update for this week is below.

- This week members of the DataComm SME team were at Atlantic City to check out the CPDLC build that will be delivered to SLC. There have been reports of the DCL application temporarily freezing up and requiring a system switchover or thin client restart. It was decided that the current thin client has a firmware issue with the new version 12 software. Oklahoma City has installed a different thin client and it has been determined that all sites will require thin client upgrades. It was also determined that version 12 will not be installed at IAH or HOU until the new hardware can be installed. This should be accomplished around the week of 7/23. This should not affect the current IOC dates of 9/3 at IAH and 9/10 at HOU.
- The DataComm SME's have completed PDC training at IAH and will begin to teach HOU this week.
- Requests for controllers to attend Operational Try Outs of the PDC and CPDLC training courses will go out this week. The program office will be looking for two individuals from JFK, CVG and SAN to attend the 5 day tryout in OKC the week of August 10<sup>th</sup>.

**INTEGRATED DISPLAY SYSTEM REPLACEMENT (IDS-R):** Richie Smith (N90) leads NATCA's efforts on the IDS-R as the Article 48 Representative. Below is the project update for this week.

- Mr. Smith was on leave this past week. Jason Michaud (K90) covered the position during Mr. Smith's leave but the weekly national telcon was cancelled a few hours before the scheduled start time. No reason was given for the cancellation and the fact that there were no pending resolutions or test results due during the week left us with the task of catching up for next week's meetings.
- Rumors are still circulating about the problems that the NIDS software is encountering. Let's review some facts:
  - The program office is going to test the first of two emergency releases during July and preliminary test results are due for ER2 are due by July 10.

- Negotiations continue with the National Weather Service in reference to the METAR sequencing issues being addressed in ER1.
- The NIDS vendor, All Weather Inc. (AWI), has expressed confidence that the software releases will pass testing.
- During these confusing times certain IOCs and installations have been postponed. As of the present time the only operational facility impacted by the software issues is CID.

**NAS VOICE SYSTEM (NVS):** Jon Shedden (ZFW) is the NVS Article 48 Representative. Mr. Shedden's report for the week is below.

- Mr. Shedden was at Harris Corporation in Melbourne, FL with members of the NVS air traffic user team. The team looked at several prototypes for the Touch Entry Display (TED) including both high bright (tower) and normal (TRACON, en route) displays.
- The team also discussed and evaluated:
  - Font sizes to determine the optimal size for for both readability and content
  - Call Queue
  - TED colors
  - Position classmarks
  - Supervisor/CIC functions (reconfigurations, temp mods)
- Other issues worked:
  - Discussion with Jeff Woods on D10's voice switch issues and on PCT's VSBP and ECS

**NEXTGEN:** Mel Davis (SCT) is the National NextGen Representative in accordance with Article 114 for the NATCA/FAA Collective Bargaining Agreement. Mr. Davis' report for this week is below.

- There were two primary items for NATCA NextGen this week, PBN Navigation Infrastructure Strategy and ADS-B In applications:
  - The PBN NAV Strategy continues to gain momentum as evidenced by the initial discussion with industry at the RTCA NextGen Advisory Committee (NAC) meeting. At the NAC the FAA briefed a very high level overview of a possible transition strategy from ground based NAVAIDs as primary to secondary where feasible. The approval of satellite based navigational capabilities has been widespread over the last 5-10 years and it is now time to identify the path of transition which will take another 10 to 15 years. The NATCA representative for NextGen must ensure that relevant decisions are made and that critical items are identified as the strategy is developed. The main goal of NATCA NextGen is to ensure that controller decision support tools such as TBFM are available and functional during the continued deployment of PBN. It is critical that the strategic documents that drive progress identify controller DST's as essential to the success of PNB.
  - The ADS-B In application viewed this week was called Paired Approach and is one of 10 or 11 different ADS-B In applications that have been identified by the aviation community. Each application is a unique use of cockpit based ADS-B information, giving the flight crew better situational awareness of the NAS. The Paired Approach application would allow highly equipped and specially trained flight crews to operate in

marginal VMC conditions to closely spaced parallel runways. This concept has been part of the long-term NextGen Research and Development (R&D) effort for a decade or so. It receives a small amount of funding and continues to show promising results. However, there are other higher priorities, higher benefits applications that will need further concept validation in the near-term.

**PROJECT MANAGEMENT OFFICE (PMO):** Jeff Woods (I90) represents the membership as the Article 48 Representative to the PMO. Mr. Woods' update for this week is next.

- Participated on a weekly telcon with Jim Linney (PMO)
- Attended a meeting with Dale Wright, Mel Davis, James Keith, Jim Davis, Robert Utley and Andy Marosvari
- Attended a bi-meeting with and Kathy Heet (AJT), Mark Minik (AJT), and Lori Farrell (AJT)
- Attended meetings at Mitre on the FAA's Nav Strategy
- Attended a demo at Mitre on Paired Approaches
- Attended a meeting about Surface Viewer Tool (SVT)
- Participated on a telcon about Off Shore Automation with Walter Abilia (PMO)
- Attended a meeting on TBFM in New York with AJV-8, PMO, Mitre, Eric Owens (NATCA TBFM Rep), and Dean Iacopelli (NATCA Alternate RVP Eastern Region)

**REQUIREMENTS (AVJ-7):** James Keith (D10) is the NATCA Article 48 Representative to the AVJ-7 Office. Mr. Keith's summary for the week is below.

- Attended AVJ-7 managers meeting.
  - Main topic of discussion was the APP for UAS. Mr. Keith will defer to Steve Weidner (NATCA UAS Rep) to provide a more in depth briefing.
- Meet at MITRE with Mel Davis (NextGen) and Jeff Woods (PMO) to receive a briefing on paired approaches. The concept is going the right direction.
- Meet with Wendy O'Connor (AJV-72) and discussed path stretch, EIDS, and Interval Management (IM). Topic of discussion was the progress of path stretch, EIDS, and AVJ-7 involvement with IM.
- Meet with Sharon Kurywchak, AVJ-72 manager and Trish Horan the soon to be acting AVJ-72 manager. Ms. Kurywchak is going to ORD on a detail to be the ATM. The discussion was reference all the things currently being worked and to get Ms. Horan up to speed.
- Was notified that the NAS voice recorder program (NVRP) was officially handed to the PMO.
- The week was short due to most in the office out for the holiday weekend.

**SURVEILLANCE and BROADCAST SERVICES (SBS) OFFICE:** Eric Labardini (ZHU) leads NATCA's efforts with the SBS Office as the Article 48 Representative for this office. Below are updates from Mr. Labardini and other NATCA members working on the SBS Article 48 Team.

- **Eric Labardini (ZHU), National SBS Article 48 Rep**
  - A shortened holiday week for the team



- Participated in several telcons this week. Program status was provided in the Implementation Team and SBS Weekly telcons. Terminal status was discussed in the TFOS and Fusion Focus Group telcons. Enroute status was discussed in the ERAM/SBS and MEARTS telcons.
- Participated in a short Safety Risk Management Panel meeting with Sam Passialis (ZAU), Anthony Goodwin (ZSE), Tom Zarick (ZDV) and Shawn Sharpless (ZHU). The meeting was prompted to answer concerns raised by the Independent Operational Assessment (IOA) team's evaluation of ADS-B and ERAM. The end result was no change in hazard ranking and no new hazards identified.
- Led our weekly NATCA SBS telcon.
- **Craig Bielek (A90)**
  - Monday, participated in SBS Implementation, SBS Weekly, and TFOS Coordination Telcons.
  - Tuesday, participated in SCT IOC Planning Telcon.
  - Wednesday, participated in Fusion Focus Group Telcon.
  - Thursday, participated in NATCA SBS Weekly Telcon.
- **Randy Ezell (ORD), National Airport Surface Surveillance Capability (ASSC) Rep**
  - Dan Hamilton (SFO) collaborated on this update. Mr. Hamilton will assume NATCA ASSC Rep duties in August
  - Monday, SBS implementation and team telcons. ASDE-X tech refresh telcon.
  - Tuesday, ASSC bi weekly telcon. Telcon with ASSC leads to discuss NCP's.
  - Wednesday, Vehicle ADS-B telcon, still issues at LAX that need to be resolved, CLE transmit map is ready for spectrum. 626 vehicles equipped at 12 airports throughout the NAS.
  - Thursday, NATCA SBS telcon.
- **Andrew Stachowiak (I90)**
  - Participated in the ADS-B Only with Fusion Refresher Briefing for P31/PNS.
  - Participated in the NATCA SBS Weekly Teleconference.
  - Participated in the TUS/U90 ADS-B only status update teleconference
- **Tom Zarick (ZDV), National Interval Management Rep**
  - TBFM 4.2 SRM Panel was held Tech Center. No hazards were identified. Decision Memo will be drafted. Panel does, however, have some recommendations for ZDV and ZAB regarding adaptation to be discussed with the facilities.
  - ZDV still on track to IOC GIM-S in the beginning of August. The 3rd may be at risk due to a TBFM patch that needs to be installed prior to IOC. TBFM Op's team is hopeful for the week of the 10th. Training at ZDV to be performed the week of July 13th.

**TERMINAL AUTOMATION MODERNIZATION REPLACEMENT (TAMR):** Mitch Herrick (MIA) leads NATCA's TAMR Team as the Article 48 Representative to this project. Below are updates from Mr. Herrick and TAMR Team Leads.

- Week shortened by multiple people on Annual Leave and Friday shutdown in observance of Independence Day.

- The second half of this year will see several major facilities transitions to STARS. SCT, M98 and A80 are all on schedule to transition before Christmas. This represents a great step towards completion of Phase 3 Segment 1 and only T75, PCT, C90 and N90 will remain. All are scheduled for transition before next June.
- Section 804 hopes to have recommendations in place for the CLE area as well as Kalamazoo area in the next couple weeks. We are also working on the Moses Lake and Pasco, WA scenario and we are scheduled to begin the process with Charleston, SC next week.
- **STARS/TAMR Phase 1 update submitted by Jimmie White-PHL**
  - **Monday 6/29:** Final STARS-TAMR Management Leads Meeting-OS. NATCA Phase 1 rep reports S4:00R27 not suitable for deployment, citing a flaw that was not previously caught in ATPA development and implementation. The monitor cone use while operating the ATPA tool, does not behave as expected. If the monitor cone is active and the warning/alert cone is inactive, when an acft enters the ATPA volume, the cone is supposed to disappear. This did not happen and more over was caught during testing, in the S6 baseline (R3). This feature was fixed in S6, but did not carry over to legacy STARS (S4 baseline). This was given a type 2 DR (discrepancy report) which is an automatic fail. Terminal Second Level Engineering (TSLE) focused on a fix and demonstrated a successful demo for the SME team ending the week of test. Plan calls for a retest on Wednesday 7/1. The TSLE test team did a much better job, clearly defining all test subject matter, expectations, and the testers where much more knowledgeable this time around.
    - This meeting in the future will be combined with Phase 3 segments 1 and 2 (TAMR Weekly Staff Meeting).
  - **Wednesday 7/1:** Re-Test for R27 (S4:00R27D7). The monitor cone behavior has been corrected and tested against all legacy STARS platforms (G1/G2/G4). The second test was safety. There was a scenario flaw which appeared to make ADSB tracking in error.
    - This test was evaluated on all platforms and was not present in a live traffic or simulated run.
    - R27D7 suitable for deployment.
    - TAMR Summit Meeting.
  - **Thursday and Friday 7/2 and 7/3:** All meetings canceled in observance of Independence Day holiday weekend.
- **STARS/TAMR Phase 3 Segment 1 update submitted by Doug Peterson-D10**
  - "A tree falls in Long Beach" was the big news of week in segment one. Two large trees only about 500 feet from the Long Beach radar site have been wreaking havoc on radar performance near the John Wayne airport for years. When nearly all software, adaptation, and radar optimization efforts were exhausted, one keen-eyed radar engineer spotted the tree on Google earth and the final piece of the puzzle seems to have fallen into place. The trees hit the ground on Monday and the radar performance improvement was immediate and obvious. The improvement was so evident that within hours NATCA local was prepared to support TAMR test events one and two both of which were at risk last week posing a significant risk to the TAMR schedule.
  - The TAMR team visited Minneapolis TRACON (M98) for a lessons learned meeting. Chicago TRACON (C90) also attended. Much useful information was shared. The M98 air

traffic team had significant feedback about their frustration with ATCoach and the available training tools. NATCA TAMR training lead Aaron Rose answered their questions and will provide recommendations for improving training development.

- **STARS/TAMR Phase 3 Segment 2 update submitted by Scott Robillard-K90**
  - As preparation for the 4th of July weekend, TAMR Segment 2 had a slower than normal week. During this weeks, SEG2 reps worked with the Program Office on a lessons learned from the LFT STARS transition; progressed on the CHA ASR8 digitization; and GSO progressed through the Site Implementation Review (SIR). The next ARTS IIE facility to transition from CARTS to STARS will be EVV. EVV is scheduled for September 18, 2015, followed GSO and TYS in the December 2015/January 2016 time frame.
  - Special thanks to Tim Poer (ABI), Mike Wilson (CAK), Jim VanZee (GRR), Richard Thomas (GEG), Bill Spence (BTV), Joe Yannone (Region X), Colin Ngai (Region X), and Dan Stefko (Region X). This is the NATCA Segment two team and this team, along with others, is ensuring that all ARTS IIE facilities are transitioned to STARS and that NATCA and the FAA are both successful in accomplishing something that has been desired for more than 30 years; a single automations platform for the terminal NAS.

**TEMPORARY OPERATIONAL CONTINENCY OFFICE (TOCO):** Tammy Norman (ZTL) is the Article 48 Representative to the TOCO initiative. Ms. Norman provided the information below for the membership.

- **The September Tech Center Contingency Meeting:**
  - **The 1900.47 has been revised** and sent for SMS (Safety Management System) process.
    - The major change is contingency plans will accommodate revised strategies to allow for the divestiture of airspace and improved NAS efficiency in ATC Zero events.
    - On August 4<sup>th</sup>, a panel meet to review the 1900.47E revision.
    - After this panel, it will go to a safety risk management team for review.
    - Unlikely to be published for September meetings, but the TOCO will receive approval to use the draft for guidelines.
  - **Teams from each ARTCC facility** have been selected (excluding ZAN, ZSU, ZHN and ZUA- the "Unique Four"):
    - Air Traffic Management Rep
    - NATCA Rep
    - Technical Operations Management Rep
    - PASS Rep
    - Program Operations Field Managers (POFM)
    - Additionally, requesting participation of each Contingency POC from the three Service Centers.
- **The Contingency Planning Checklist (Pre-Work)** for the teams has been approved and will be sent out this week. The purpose of this work is to outline considerations and resources intended to aid ARTCC's in refining their respective contingency plans according to updated policies and efficiency targets.

- The TOCO will create **KSN accounts** for each POFM to collect and consolidate the Pre-Work data. This will allow the neighboring facilities to share information.
- Began work on the **“Unique Four”**: Hawaii, Guam, Puerto Rico and Alaska.
- Unable to retrieve contingency plans....ACT-2 is down, again.
- **ACT-2 National Database:**
  - Found out the ACT-2 Database that houses the national contingency plans was down, and it stayed down for the last 2 weeks.
  - The FAA has purchased a new certificate and the ACT-2 is back online.
  - The TOCO questions its reliability for storing Operational Contingency Plans, and we will continue to find options to upgrade the system.
  - TOCO Manager, Tony Jenkins, will meet with Jeff McCoy (FAA Tech Ops) and Bill Davis (FAA AJV) next week to discuss enhancements to the ACT-2 to handle our needs.

**TIME BASED FLOW MANAGEMENT (TBFM):** Eric Owens (I90) works as the Article 48 Representative for TBFM. Below is information Mr. Owens forwarded for this week’s report.

- The TBFM Training Development Workgroup met to develop the training for the TBFM 4.4 release which will be delivered in November 2015. This training will also be incorporated into the current national TBFM training being taught in Oklahoma City.
- A few of the Ops Team members met at the Tech Center last week to look at extended metering scheduled to go into effect August 3, 2015 for Phoenix arrivals from ZDV to ZAB.
- The Ops Team continues to work with ZLA, LAX and BUR with Integrated Departure and Arrival Capability (IDAC).
  - There was an issue with IDAC that will be fixed with a patch the week of July 16.
  - The team is also working with ZLA and ZOA on Coupled Scheduling activities.
  - Coupled Scheduling is currently working as expected.
- A group will be at Raytheon this week to work on CHI for the Terminal Spacing and Sequencing tool (TSAS).

**UNMANNED AIRCRAFT SYSTEMS (UAS):** Steve Weidner (ZMP) is the UAS Article 48 Representative. His report for this week is below.

- Mr. Weidner attended the RTCA SC228 DAA Safety working group meeting Monday-Wednesday at the Northrup Grumman facility in Melbourne, FL
- Mr. Weidner participated in the RTCA SC228 DAA weekly telcon
- Mr. Weidner reviewed the proposed ConOps for the Beyond Visual Line of Sight (BVLOS) Pathfinder activity.
  - The ConOps is a proposal from BNSF Railroad, the FAA’s research partner in this activity. The proposed testing area defined in the ConOps lies primarily in ZAB airspace.
  - Mr. Weidner is coordinating with ZAB Facrep, Mike Meredith on ZAB participation in an upcoming SMS panel on this activity.

**WAKE TURBULENCE:** Scott Pressley (BHM) is NATCA’s Article 48 Representative to the Wake Turbulence Office. Mr. Pressley forwarded the information below for this week’s report.

- The week of June 29th was spent implementing RECAT in Chicago.
- RECAT was implemented at C90, ORD and MDW. All three facilities did a great job on the implementation.
  - The controllers at all facilities caught onto the new separations quickly and they were catching nearly every opportunity to close the gaps that RECAT allows them to.
- The latter part of the week was spent in Detroit introducing them to Wake Turbulence for Arrivals.
  - This is something that probably will not happen until after they are through with metroplex next year

**WEATHER:** Matt Tucker (ZTL) is the Article 48 Representative on Weather for NATCA. Mr. Tucker provided the report below for this week.

- Mr. Tucker worked the boards Sunday and Monday.
- Traveled to the tech center to meet with the weather testing group on the Offshore Precipitation Capability (OPC).
  - This product came out of a CAR for lack of weather radar in the Caribbean and Gulf. The product being created is a mix of lighting, satellite, and modeling data to create a proxy for radar derived weather.
  - The team met to discuss testing concepts and the use of the NIAC at the tech center to possibly conduct HITLs. Lincoln Labs is the prime developer of the product and should have a live website soon to demonstrate the product.
  - If this product tests out correctly it has the possibility of being used NAS wide to provide weather coverage in areas of spars to no weather radar coverage. It also has the potential to become a global proxy for radar.
- **Weather and Radar Processor (WARP)**
  - Mr. Tucker met with the testing team in the tech center and looked at the upgrade that is in testing and what I saw was great improvement over the current mosaic and with changing the floor of mosaic we were able to eliminate most of the AP caused by ground clutter and a wind farm.

*Dale Wright*  
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Director  
Safety and Technology