SAFETY AND TECHNOLOGY DEPARTMENT UPDATE

Week ending June 12, 2015

AIRSPACE: Jim Davis (PCT) leads NATCA's efforts as our National Airspace Lead. Mr. Davis is also the Chair of the NATCA Airspace Committee. Below are reports from Mr. Davis and leads of various airspace teams.

- **Phoenix OAPM Design and Implementation**
    - Western Pacific Regional Office in Los Angeles, CA
    - Meeting with All Weather Operations team from Flight Standards
    - National Metroplex weekly Telcon
    - Meetings with ZLA and ZAB Metroplex teams to discuss PHX Metroplex design requirements and LOA adjustments
    - Mark Ostronic Phoenix Metroplex NATCA D&I Lead
- **SoCal Metroplex**
    - The core team met at the Regional Office this week.
    - The team worked on the finishing details for the Power Points that were used on Wednesday for the Draft EA briefing to elected officials.
    - Rob Henry (FAA Co-Lead), Ryan Weller (FAA Environmentalist), Ian Gregor (FAA Public Relations) and Mr. Gonzalez briefed Congressional Representatives, and local elected officials on the SoCal Draft EA and all of the procedures grouped by airport.
    - The team members worked on producing a Power Point, at the request of HQ, in preparation for coordination with Mazatlan Center and Tijuana Approach Control.
    - The ZLA POCs and 2 Area SMEs met with the PHX team and ZAB SMEs.
    - Agreements were reached for the JCKPOT SID, BTMNN STAR, TYSSN STAR, Delivery of aircraft affected by Bagdad MOA, altitudes for aircraft destined to SoCal Satellite airports, PHX Basin arrival altitudes, PHX to LAX altitudes, CKTUS STAR, and SNRRA STAR.
    - All team members continue to be heavily involved in working to produce information boards with procedures over Google Earth for the public workshops at the request of Headquarters.
    - Submitted by Jose Gonzalez Article 48 Rep, SoCal Metroplex
- **NorCal Metroplex**
    - Participated in the Weekly NorCal Telcon (Wed) – discussed SLMMR STAR (SMF) issues identified by PBN Specialist, Martha Dunn; planned agenda items for next week's telcon; ZOA POC Jeff Hubert provided an update on the status of the SERFR STAR (SFO).

- o Participated in the Weekly National Metroplex Telcon (Wed) – provided a NorCal Metroplex status update.
- o SoCal and NorCal Metroplex Teams to meet and discuss necessary changes to previously agreed upon entry and exit fixes. Date and location still TBD; agenda will be worked with the ZLA POCs.
- o ZOA has resumed issuing a descend via clearance to aircraft on the SERFR STAR into SFO (Mon). SME coverage provided for the day and swing shifts through Wed, day SME coverage will continue as needed. Issues have been identified with MRY departures. NCT and ZOA teams met via telcon (Wed) to discuss necessary changes to ADRs off of MRY (projected June implementation) and short-term solution options.
- o Participated in a NATCA Telcon facilitated by NATCA Safety Chair Steve Hansen (Mon). Participants included Safety Committee, ATASP, and ERC Members and the ZOA and NCT FacReps. Discussions included: the process for ATSAP info dissemination within the Metroplex projects, responsibilities of the Metroplex Co-Leads, and the overall SMS process as it relates to ATSAP data. Participated in a subsequent call with Western Service Area Safety Rep, Bud Pangan to work through additional ATSAP details.
- o An issue was identified with speeds in Class B airspace on multiple STARs. NOTAMs have been issued to rectify the issue until the procedures can be adjusted.
- o Upcoming: changed June 16-17 Core / POC meeting (@ NCT) to June 30 – July 1st; ; June 25th Chart Date – 1st Post-Implementation Slots; changed July 13-15 Core / POCs Meeting (@ NCT) to July 28-29; Aug 10-14 Quarterly Staff Meeting (SEA); Aug 20th – Stage 5A Implementation; TBD: Meeting with SoCal Metroplex Team
- o Worked 2 Operational shifts for staffing and currency.
- o Submitted by Amanda Hodge Article 48 Rep, NorCal Metroplex
- PBN Route Structure (PBNRS)
  - o MITRE meeting June 9th and 10th
  - o The group spent the day discussing ways to develop PBN route structures that could be implemented in an expeditious manner. This is in support of PBN NAS Navigation strategy at the administrator level based on the last NAC meeting.
  - o We are exploring the possibilities of developing PBN routes that could be implemented with an abbreviated process from "Rule Making" or no "Rule making" involved.
  - o This could expedite the process of development and implementation by 240 days depending on weather we end up on part 71 or 95, or 97.
  - o Similar expedited processes are being used for development PBN SIDs and STARs procedures.

- o An expedited route structure will aid the VOR MON process by providing alternate non VOR anchored routes.
- o We then shifted gears and begin to see how to improve point to point Navigation capabilities for areas where route structure is not needed.
- o We examined the NRS grid system that was developed with CA-90-99 in conjunction with HAR.
- o We agreed to keep the NRS grid or a similar modified system, and remove the restrictions that were put in place by CA-90-99. This is cost neutral to maintain the grid.
- o The grid will have a new user friendly point naming, and it will be usable at all altitudes above FL180.
- o Users can load only the points they need to navigate and not the entire grid, which currently saturates FMS systems and incurs unwanted avionics cost for memory and storage.
- o We looked at a Q-route gap analysis and evaluated where we could start the PBN route structure to enhance PBN navigation in the NAS.
- o We decided that we would began coordination with ZDC, ZTL, ZJX, ZMA and other facilities along the east coast to see where the Q-route gaps could be tied in with already started METROPLEX projects.
- o This effort will be funded and expected to begin by fall 2015.
- o **Upcoming Activities**
    - Mitre will draft the wording to make changes to the CONOPS document to include the retention of the grid system.
    - Coordination with facilities on the east coast to begin Q-route gap project on the east coast.
    - Coordination with METROPLEX leads on the east coast.
    - Mitre will do a cost analysis for the Q-Route gap implementation.
- o Submitted by Jorge Rivera Article 48 Rep National Route Structure Program
- **Atlanta Metroplex**
    - o Discussed TMI Strategy with ZTL and A80 TMOs
    - o Finalized A80 Airspace graphics with A80 POCs and ATAC
    - o Submitted A80 ARR Design Package to QCG for SRMD
    - o Worked on TBFM Status briefing for industry
    - o **Issues:**
        - A80 STARs (Platform) Training & Implementation (Summer 2015) – Postponed to Fall 2015
    - o **Milestone/Activity—Completions:**
        - ZTL started metering part time to ATL on June 2, 2015
    - o **Projected Milestone/Activity Completions and Risks(next 30 days):**
        - TBFM and Project Status Briefing for Industry – 06152015
        - Go Team SME Briefing - 06172015

- o Submitted by Joey Tinsley Atlanta Metroplex Co-Lead
- **CLE/DTW Metroplex**
    - o Detroit team revised procedures as a result of the HITL testing at MITRE
    - o Talked Class B airspace with the triple operation with facility airspace manager and to start early using simulation data and procedure modification.
    - o Delta Airlines pilot rep worked with Detroit on SID altitude and speeds. One issue still outstanding is the at or above clearances required to protect satellite sectors on departure.
    - o D21 staffing will hamper any work this summer to complete airspace work until fall.
    - o D21 is losing a great member of the team Randy Merrihew. Randy was the first D21 POC. Randy and his family will be transferring to MCO to continue his career. Good Luck and Thanks.
    - o Team was split to two locations and Cleveland did similar work to update procedure as a result of the Simulation testing.
    - o CLE work on internal sectorazation as a result of the new procedures.
    - o Telecom with Toronto ACC on the basics of the plan to include both the departure and arrival tracks to DTW. Talked metering, Publication coordination personnel in Nav-Canada for fixes in Canada in US delegated airspace.
    - o Telecom with ZMP on the new procedures at MSP and its effect on Delta airlines. Also talked about TBFM and it effect on MSP.
    - o All teams will be standing down for summer staffing and called as needed.
    - o Week's ahead: Admin Core @ CLE 6/15-18, Co-lead Delta 6/23-25, Admin core 6/29-7/3
    - o Submitted by Don Ossinger Article 48 Rep, CLE/DTW Metroplex
- **Florida Metroplex week of 6/8/15**
    - o Week 1 for Florida Metroplex in central (ZJX, ZMA, TPA, F11) Teams discussed and designed the following SIDS, STARS and procedures to all other support of the Florida Metroplex project. Only One Industry Present (American Airlines for 1 day)
        - ▪ **TPA APCH**
        - ▪ TPA BLYMY STAR
        - ▪ TPA BLFRG STAR
        - ▪ TPA BLOND STAR
        - ▪ TPA HNING STAR
        - ▪ TPA RAYZZ STAR
        - ▪ SRQ LUBBR STAR
        - ▪ SRQ JAMIZ STAR

- SRQ SRKUS SID
- MCF RWY 04/22 SID's
- **F11 APCH**
- MCO SNFLD STAR
- MCO ALINA STAR
- MCO WAALT STAR
- MCO RIDES STAR
- MCO FSHIN SID
- MCO JOEYY SID
- MCO MISSM SID
- MLB SID
- MLB STAR
- SFB/ORL/ISM SIDS
  - o F11/ZMA discussed possible airspace change
  - o The team only met for two days due to logistical problems
  - o The core team met on the final day at F11
  - o Submitted by Greg Harris Article 48 Rep, Florida Metroplex

- **Charlotte Metroplex**
  - o Team worked at the Command Center
  - o Briefed National Customer Forum
  - o Briefed the Command Center
  - o Delivered all outstanding items to OSG for the completion of the SRMD
  - o TELCON with ZTL and CLT to resolve LOA issues
  - o TELCON with OSF to confirm proper functionality of STARS automation for the 6/25/15 implementation
  - o Assisted ZTL Training Department with the construction of a CBI for the 10/15/15 cycle
  - o PBN specialists produced two re-designs of the FILPZ STAR that allow for full functionality of ERAM. These were sent to industry for review. In the near future we will bring options to the Team for consideration
  - o **Upcoming:**
    - 6/15/15 – At CLT
    - 6/22/15 – At ZTL
  - o Submitted by Bob Szymkiewicz, Charlotte Metroplex Team Lead
- **Western Service Area PBN and Established on RNP (EoR)**
  - o 6/8-6/10 On-site Western Service Center/OSG activities
  - o 6/8 Review and respond to CSA PBN Rep regarding AUS RNP's
  - o 6/9 Billings, MT PBN Telcon

- o 6/10 PBN Processing Telcon
- o 6/11–6/12 Annual Leave
- o Submitted by Phil Hargarten, WSA PBN Rep
- **North Texas Metroplex/CSA PBN 06/07/15–06/13/15**
  - o PBN Weekly Project Status Telcon
  - o Weekly Metroplex Project Lead Telcon
  - o Central OSG Environmental Review of NorTex March 2016 submissions with Daisy Mather, Bobby Beeman, Tom Lattimer and Scott Enander
  - o Telcon with Gary McMullin (SWA), AJV–14, AFS, and PBN concerning AUS RNP Waivers
  - o Coordination with KAUS and Industry, AFS, AJV–14 concerning RNP publications
  - o Discussions with Gary McMullin (SWA) concerning AUS RNP designs
  - o Continued Audit of all NorTex Post Implementation Procedures.
  - o Research/Coordination concerning NorTex Post Implementation June 2015 & August 2015 Slots. Follow up with FPT and AIS.
  - o SIM Evaluation at AAL with Brian Will, Dave Surridge, and Ron Thomas from AAL. Top of vertical windows on KDFW STARs were evaluated and a Telcon followed to discuss impressions and plans moving forward.
  - o Continued support requested for ERAM ER 136427:ERAM capability to process SID Runway Transitions properly. Additional 17 slots scheduled with CSA FPT in October 2017 to return to original designs, pending ERAM ER. This capability is also essential for correct STAR processing where Runway Transition points are built in Center Airspace.
  - o **Upcoming Activities:**
    - ▪ Deadline for NorTex Metroplex May 2016 Submissions---TBD
    - ▪ Annual Leave---July 9-18
  - o Submitted by North Texas Metroplex/CSA PBN NATCA Art. 48, Brent Luna
- **Eastern Service Area PBN**
  - o Attend ESC weekly Airspace Redesign (ARD) meeting
  - o Worked with ESA Co-Lead Rob Mason to review current PBN request in ESA
  - o Travel to Mitre for PBN RS CONOPS meeting June 9-10
  - o Worked with PBN office to establish lead carriers for SDF and BOS work groups
  - o Coordinated Co-Leads response to AJV14 telcon on environmental outreach
  - o Continued working CAR 2015-002 SDF STARs
  - o Continued work on BOS ATSAPs
  - o Met with OSG GM, ARD, and FPT manager on 7100.41 processes and new bid for Co-Leads in the SC

- **Upcoming Activities**
    - Travel to IIU for SDF/ZID STAR design meeting August 10-13
    - Travel to Nashua July 27-31 for STAR redesign meeting
    - Travel to DC for 7100.41 rewrite meeting July 14-16
- Submitted by Bill Wise ESA PBN Rep
- **Metroplex Study Team**
    - Participated in weekly Metroplex Staff telcon
    - Telcon with Denver Metroplex D&I Leads reference upcoming design meetings and programmatic issues
    - Met with D01 Tracon front office to discuss the progress of Denver Metroplex and related issues and concerns
    - Participated in Denver Metroplex D&I meetings at D01. The team worked on the STARs for DEN and the satellites over the NW corner and the associated I-Sim scenario development as they continue to evaluate the 8 versus 16 STARs issue
    - Held Telcon with Mitre support reference Las Vegas Study Team schedule
    - Multiple telcons with the Central Service Area OSG Rep reference North Texas Metroplex post-implementation work
    - Participated in weekly Metroplex Leads telcon
    - Participated in telcon with ZFW, D10, and American Airline reps to discuss data collected in the flight simulators for modifications to the OPD RNAV STARs in North Texas
    - Multiple telcons with Metroplex Program Manager and Mitre support to discuss Las Vegas Study Team tentative schedule and upcoming facility visits
    - Participated in discussion with ZLA NATCA POC reference upcoming Las Vegas Study Team initial facility briefing
    - Participated in weekly Service Center/OSG telcon
    - Telcon with NATCA Airspace Reps reference Las Vegas Study Team issues and concerns
    - Participated in numerous telcons with the Metroplex Program office and Mitre support personnel reference various concerns at the different Metroplex sites
    - **Upcoming Activities:**
        - Las Vegas facility visits – June 17-18, 2015
        - ZLA facility visit – TBD
        - Las Vegas Study Team Kickoff – TBA (Tentatively scheduled for July 21, 2015)
        - Metroplex Leads Meeting – Seattle – August 11-13, 2015
        - Metroplex Summit Meeting – September 22-24, 2015
    - Submitted by Metroplex Study Team Art. 48 Ed Hulsey

- **National Design and Implementation Representative**
  - Participated on weekly Metroplex telcon. Discussion revolved around the Phoenix D&I effort and whether or not to put it on hold or continue, we agreed to keep the program moving forward. We also discussed different schedules for the Las Vegas study team, as well as the remainder of FY15 operating budget. We also discussed the amount of work being put on our teams by outside influences and groups and strategies to relieve this additional workload.
  - Participated on the National Airspace and Procedures Committee for 3 days.
  - Participated on several telcons to discuss the 7100.41 process and the combining of several orders into one.
  - Submitted by Mark McKelligan (ZBW) National D&I Rep
- **NATCA National Airspace Representative**
  - Participated on the weekly Telcon with Frank Black, Deputy Director of Airspace Services
  - Participated on the weekly Telcon with John Brandt, Mitre Airspace Lead
  - Discussed upcoming NAS NAV Strategy meeting with Josh Gustin, PBN Program Manager
  - Spent 3 days in meetings with the NATCA Airspace and Procedures Committee

DATACOMM: Chad Geyer (ZLA) is the bargaining unit representative on DataComm. His report for the week is below.

- This week the Data Comm Program Office visited with towers and center personnel from ZKC, ZMP, MCI, TUL, STL, MSP and OMA. This was the last facility visits of 20 Centers to brief personnel on the new CPDLC service.
- Now the group will focus on the key site CPDLC deployment. BOI and SLC are both running the new version 12 for PDC and will be up on the new interface this week.
- Once completed, the group will install version 12 in HOU and IAH and also work with SLC to start CPDLC service.

INTEGRATED DISPLAY SYSTEM REPLACEMENT (IDS-R): Richie Smith (N90) leads NATCA's work on the IDS-R Program. Mr. Smith's update for this week follows.

- Research is ongoing as to how to proceed with the Emergency Release failures. NATCA and the program office disagreed about how to handle the "information gathering" process and when to contact the National Weather Service to talk to them about METAR coding. It seems that the engineers involved operate with the

mindset that you can't ask questions without having pages of data to talk about. NATCA IDS-R representative Richie Smith argued for the making of a phone call to ask a few simple questions and looking for a simple solution. That request was shot down with a resounding "We can't do that" by all other parties involved. It will be interesting to see if the simple solution would have worked.

- The Emergency Release that was slated to be tested at PIT last week is being rescheduled. NATCA is for this testing and this "build" will not impact the PIT METAR for technical reasons that are too confusing to explain in a weekly update. We are anxious to see the fix that relates to the interface with IDS5 networks.

- A date has been set for database collection from the last federal contact tower in the I90 network. We're anxious to complete the database even though it can't be installed and fully tested until ER 1 is available. The database team needs to finish this network and get ready for the next few.

- A familiarization guide for NIDS POCs has been compiled and should be available soon. We hope that this guide will help facilities with answers to some of the easier questions. NATCA has long campaigned for formal training for POCs but the program office felt that it was not needed. After getting inundated with help requests about what the engineers thought to be obvious issues the familiarization guide was developed.

NAS VOICE SYSTEM (NVS): Jon Shedden (ZFW) represents NATCA's membership as the NVS Article 48 Representative. Mr. Shedden's report for this week is below.

- **Meetings this week:**
    o Multi destination calls on NVS
    o NVS Systems Engineering Working Group
    o NVS Security
- **Other issues worked:**
    o Review of NVS Critical Design Review material
    o NVS CONR functionality
    o Revision of FAA Headset Guide
    o NVS Training Mode
    o NVS Jack box configurations
    o A/G – G/G coupling

PROCEDURES (AJV-8): Andy Marosvari (BOI) has been getting settled in as the Article 48 Representative to the AJV-8 Office. This offices drafts and works procedural changes for the ATO. Mr. Marosvari's update for the week is below.

- Attended the weekly ART 48 meeting at NATCA with Jeff Woods, Mel Davis, Dale Wright, Robert Utley.

- Met with John Hightower, AJV-8, to discuss proposed changes to 7110.65 2-1-6, Safety Alerts. The change involves updating two examples but a change in phraseology may be more appropriate.
- Telcon with Patti Wilson, AJV-8, Chuck Chamberlain, AJV-84 and Lynda Otting, ESA to adjudicate a non-concur comment for the Class G airspace DCP.
- Attended the ATC Handbook Revision Steering Committee Tuesday through Thursday. The group completed the 13 of the 15 issues assigned to it this year several of these changes will appear in Change 3 of the 7110.65, due out on June 25. At next month's meeting, the group will start the process of selecting issues for next FY. To submit an issue for consideration, send the paragraph of interest, the reason for the change, along with your name, facility, email and phone number to 65revision@natca.net.
- Met with Steve Weidner, NATCA, to discuss changes to procedures in association with UAS operations.

PROGRAM MANAGEMENT OFFICE (PMO): Jeff Woods (I90) is the PMO Article 48 Representative for NATCA. Mr. Woods provided the information below for this update.

- Participated on a weekly telcon with Jim Linney (PMO). The issues below were discussed.
  - Progress of ASSC
  - Status of Off-Shore Automation
  - Issues facing the IDS-R program
  - Surface Office Interactions
  - Followed up on the establishment of a Terminal CHI Team
- Attended meeting with Jay Merkle (PMO) to talk about "cross program" oversight
- Attended a weekly update meeting with Dale Wright (NATCA Director Safety & Tech), Mel Davis (NextGen Rep), Robert Utley (NATCA Safety & Tech), Jim Davis (Airspace Rep) and Andy Marosvari (AJV-8 Rep)
- Attended meeting with Deborah Lawrence (PMO) to talk about ILS Rationalization, VOR MON, and PRRRT
- Participated in a telcon with NATCs Contingency/Continuity of Operations group about the FAAs Spare ARTCC in Atlantic City
- Attended a meeting with Jim Eck (VP PMO) to check-in
- Attended multiple meetings with NATCAs Airspace Committee at NATCA National Office
- Attended a meeting with FAA AJV-7, FAA LR, James Keith about Terminal Work Package 1 (TRACON Evolution)
- Participated on a telcon with Jim Linney and Walter Abilia about Off-Shore Automation

- Attended a meeting with AJV-7, Eric Owens (NATCA TBFM) about a Lateral Path Stretch decision support tool
- Attended a meeting with Dale Wright, Robert Utley, Bill Geoghagan (NATCA S & T), Bill Payne (Program Manager Colorado Surveillance Project) to talk about Blended Airspace concept
- Attended a meeting with Eric Owens and Rebecca Guy (PMO) about TBFM
- Participated on a telcon with Steve Reynolds (PMO) about Spare ARTCC
- Attended a meeting with Eric Owens, AJV-8 and the PMO to talk about TBFM in the New York area
- Participated on a telcon about Spare ARTCC with Phil Barbarello (Eastern Region RVP) and Mike Odryna (NATCA OSHA Representative)

RNAV and PERFORMANCE BASED NAVIGATION (PBN): Dennis Kelly (PHL) is NATCA's Article 48 Representative for the criteria work on RNAV and PBN procedures. Mr. Kelly has forwarded the information below of this week's update.

- **ATL/A80 –** ATL has a Special RNAV SID with RF legs (curved path) that could be desirable at other locations if the criteria for them could be developed. This is only a special procedure that Delta can use and was discussed during ATL Metroplex planning for possible development for public use. A group will be put together to work this collaboratively and flight trials would have to be coordinated with Delta and others to collect aircraft/FMS compliance/performance data for analysis to create criteria.
- **Climb/Descend Via –** Climb/Descend Via DCPs are being circulated for internal review and then will be circulated for public comment. Publication is expected to be May 2016 as it is too late to make the December publication date. Bottom altitude review on all descend via charts is still ongoing. ICAO climb/descend via changes have gone out to the states for comment until Aug. 2015. Their phraseology is similar to ours. Obstacle departure procedures (ODP) DCPs are going out for final review and the comment period will be over soon.
- **Climb Via Joint Pilot/Controller training demo –** This is an effort to determine if a video training presentation can be developed and be an effect method for pilots and controllers to understand new material rather than the traditional training methods. This will be mainly done in the Salt Lake City area where Delta has training/simulation facilities and air traffic from those facilities will be used as well. The reason climb via was chosen was because of the numerous ATSAP and ASAP reports generated for this relatively new phraseology.
- **NSPP –** 65 new procedures to be published for the 6/25 publication cycle for top altitude only.
- **Procedures below Class B airspace –** An issue has come up several times in reference to aircraft operation below the floor of a Class B on an RNAV procedure or any procedure for that matter. Many of the "AT" speed & altitude

restrictions at waypoints are below the floor of Class B airspace and in excess of the maximum 200 KIAS prescribed in 14 CFR §91.117 (c). ATC does not have the authority under this CFR to waive the 200 KIAS maximum speed. Further, per an AGC 200 Letter of Interpretation the minimum safe speed exemption provided in 14 CFR §91.117 (d) does not apply if the aircraft can be safety configured to comply with the prescribed maximum speed limit. This has occurred mostly with a crossing restriction of 210 kts at certain fixes closer to airports. This something to keep in mind during design phases.

- **TBFM Course –** The TBFM controllers eLMS course has been implemented. The course is approximately 90 minutes long, and as of April 28th 2015 6,120 controllers have completed the TBFM eLMS course. The TBFM TMC/STMC FAA Academy course has also been completed and implemented (April 2015). It is a 7 day instructor led course in Oklahoma approximately 50 TMC/STMC have completed the course to date (class size is limited to 12 due to equipment requirements).
- Mr. Kelly attended meetings/telcons for NSPP, 3 day NAPC meeting, Climb via video meeting and RTCA Obstacles to PBN use telcon.

SURVEILLANCE and BROADCAST SERVICES (SBS): Eric Labardini (ZHU) serves as NATCA's Article 48 Representative to the SBS Office. Below are reports from Mr. Labardini and other members of the SBS Article 48 Team.

- **Eric Labardini (ZHU), National SBS Article 48 Rep**
    - Multiple telcons this week.
    - Implementation telcon discussed status of SBS Program activities
    - TFOS and Fusion Pre-Op telcons gave a status of upcoming and ongoing Fusion and ADS-B implementation activities within Terminal automation. Initiated a regular agenda topic on CLT WAM development as well.
    - Brief telcon with SBS PO on the ICAO Flight Plan risk. Without standardization, ADS-B equipage indications will not be available for preplanning purposes. This represents a significant loss of efficiency for many environments, primarily oceanic, where they require advance notice of ADS-B equipage to allow more efficient routes or altitudes to be flown.
    - SBS Safety Risk Management Board telcon gave a status of all safety analysis work ongoing or planned. SBS continues to be engaged on multiple fronts with multiple automation platform efforts.
    - Participated in a Fusion Capability Management discussion on potential display changes.
    - Discussed ADS-B issues with the ERAM National User Team. ADS-B outage indications are the primary topic, but also discussed non ADS-B CHI and the ADS-B Alerts.

- o ERAM/SBS and MEARTS telcons provided a status of ongoing activities and plans for the upcoming HCF ADS-B Flight Inspection.
- o Led our weekly NATCA SBS telcon. Discussed team support activities, both upcoming and ongoing.
- o Participated in the SC186 Plenary meeting. SBS have a status report to the group. As of May 31, the number of ADS-B equipped aircraft reached 12,613. GA aircraft make up 10,902 of those, and overall there was 7% growth for the month of May.
- o Met the SBS Article 48 Agency Co-lead, Bobby Nichols, to discuss next week's work group agenda and other topics.

- **Craig Bielek (A90)**
  - o Monday participated in a telcon with TSLE to discuss a STARS Fusion discrepancy report.
  - o Tuesday participated in the Fusion Focus Group telcon. Participated in the Fusion Capabilities Management Telcon.
  - o Wednesday worked on currency.
  - o Thursday participated in the NATCA SBS weekly telcon.
  - o Friday leave.

- **Randy Ezell (ORD), National Airport Surface Surveillance Capability (ASSC) Rep**
  - o Dan Hamilton (SFO) collaborated on this update. Dan will assume NATCA ASSC Rep duties in August
  - o Monday, dialed into SBS Implementation telcon. Travel.
  - o Tuesday, dialed into ANC ASSC telcon to discuss upcoming site engineering survey in Aug.
  - o Evaluated ASSC in shadow cab at SFO. Several enhancements were put into software, most didn't work as advertised. Vendor is working to fix. Met with PO support to discuss potential ways forward.
  - o Wednesday, attended ASSC Tech Ops update briefing in the morning and ASSC Air Traffic briefing in the afternoon. Worked with the vendor to fix some bugs.
  - o Thursday, dialed into the ASSC IPR (internal program review). NATCA SBS telcon. Evaluated ASSC system in the shadow cab.
  - o Friday, travel. ASSC leads telcon.

- **Andrew Stachowiak (I90)**
  - o Exchanged emails with the FacRep of OKC and discussed their continued difficulties with stitching in a Fusion environment that has a lack of radar surveillance. OKC will continue to work with Fusion and ZP anomalies for the OSF to investigate. R27 will bring relief and it will hopefully be released, after a successful Regression Test, at the end of August.
  - o Participated in ADS-B Only Refresher Briefings for Phoenix, Corpus Christi and Tampa.

- o Also participated in an ADS-B only status teleconference for Midland. Their flight inspection is on schedule for
  - o STARS software R3D3 has been in Keysite testing at Allentown and Midland for the last 2 weeks. This software is necessary for ELTE sites to achieve ADS-B IOC and Fusion Suitability. Austin should receive this software in August and then Fusion could be possible by September.
  - o There was a group discussion between SBS and TAMR NATCA workgroups regarding a Type 2 PTR that was written against R27 involving ADS-B CHI and Non-Mode C aircraft. The STARS software is working as designed and needs to be modified so that ADS-B is treated with the same importance as a SRR radar since the ADS-B only 3nm rule was changed.
  - o The TAMR and SBS NATCA workgroups have agreed to have regularly scheduled weekly teleconferences to foster a better understanding of our mutual goals and ongoing efforts.
- **Tom Zarick (ZDV), National Interval Management Representative**
  - o Traveled to Austria this week to attend the SC-186 / WG4 meeting. Most of the meeting consisted of reviewing the 1124 comments of the FIM MOPS. Majority of comments were on clarity and context. Comparatively few comments against the intent of the requirement. Three non-concurs still exist that are being addressed.
  - o Two additional telcons are set up within the next month to implement the outstanding actions. The document will be complete by the 24th of July.

TEMPORARY OPERATIONAL CONTINGENCY OFFICE (TOCO): Tammy Norman (ZTL) is temporarily assigned to the Eastern Service Center to represent controllers on the TOCO initiative. Ms. Norman's report for the past two weeks is below.

- The TOCO website is almost complete. Anyone is welcome to visit the KSN website to view the TOCO work.
- Request for Assistance with Contingency Operational Plans:
  - o Preparing to make a request the Service Centers to identify an Operational Support Group of specialists to be responsible for supporting each service area with revising Operational Contingency Plans (OCP) to meet the requirements of the revision of the 1900.47. The 1900.47E introduces the divestment of airspace to surrounding facilities to support ATC Zero events. This group is requested to be in place for assistance before the September Tech Center Meeting.
  - o The TOCO is developing a charter for this OCP Team comprising a support staff and bargaining unit member to provide assistance to field facilities with the development of new OCPs.

- Working deliverables with the En Route Procedures Group, AJV-83, and Operations Support Group , AJV-W2, Tactical Operations Team and Tech Ops:
  - Definition/development of Go-Bags and Go-Teams and the revision of the 7210.3Y.
  - This deliverable has been handed off to tech ops, but we are continuing to work it together.
- The September EnRoute Tech Center Meeting:
  - Coordinating plans/agenda with Steven Reynolds, IPT Requirements for TOCO, FAA Aviation Technical Systems Manager
  - Added the assistance of NATCA's NAS Outage team to help facilitate the meeting.
  - Made arrangements to travel to Tech Center next week to finalize agenda.
    - Steve Reynolds has invited Robert Copes from Tech Ops, Dwayne Bonker from MEARTS, Walter Abilla, AJM-25 Design and Development Manager to attend.
    - Linda Long, Org Support and Janet Kinsell ANG- Facilities Logistics will be there to help support the September Meeting Logistics.
- Beginning to work the "Unique Four": Guam, Hawaii, Alaska, and Puerto Rico:
  - The "Unique Four" revised contingency plans will be developed separately since they do not have the aid of surrounding ARTCCs.
  - Finding out what OCPs are in place, if ATOP can be of assistance, where available, and what technology has been adapted to aid these facilities since the last OCP was put into place.

TERMINAL AUTOMATION MODERNIZATION REPLACEMENT (TAMR): Mitch Herrick (MIA) is NATCA's Article 48 Representative on TAMR. Below are reports from Mr. Herrick and TAMR Team Leads.

- The big news in TAMR Land is that South Bend, Indiana transitioned to STARS at 6:30 am EST on Monday, June 15th.
- **STARS/TAMR Phase 3 Segment 1 update submitted by Doug Peterson-D10**
  - The primary activity for Segment 1 this week focused on the impending SCT transition and the regular PTR prioritization meeting. The PTR prioritization was unremarkable but effective. We have made sufficient progress over the last several meetings that we have effectively handled the bulk of the unranked items and have a reasonable ranked list to present to build planning group for the next several revisions.
  - The SCT transition has been a bit more dramatic. Planning is in place for SCT's IOC to take place on July 12. We hold regular weekly meetings to review status of outstanding issues and preparedness. One of our watch items that have carried some risk is the way the STARS fused radar

tracker handles sub-standard radar performance. None of the other STARS systems in the NAS seems to have presented quite the level of marginal radar coverage coupled with poor radar performance as Southern California. We have seen some target output that is unacceptable.

- o The entire TAMR deployment team with all levels of support has been dedicated to creating a workable short-term solution. Up until this week it has seemed likely that an adaptation solution was near at hand that would allow us to stay on schedule. This week an additional example of unacceptable output was observed that suggests that the scope of the problem may be larger than initially thought. Raytheon has proposed a software solution to mask the sub-standard radar performance issues, but for the first time the TAMR program is at risk for missing an IOC.

- **STARS/TAMR Phase 3 Segment 2 update submitted by Scott Robillard–K90**
    - o June 7–June 12, 2015, Scott Robillard (K90) assisted the S804WG with analysis of MHW and PSC for possible realignment of the radar function to either P80, S46 or GEG.
    - o June 8, 2015, Bill Spence (BTV) dialed into the EVV IOC planning telcon. The EVV IOC is planned September 18, 2015 and is the last of fiscal year 2015. IOC is June 15th.
    - o June 9–11, 2015, Joe Yannone and Frank Stahler (Region X) participated in three days worth of meetings with the CTD group on a requirements review. NATCA has been working with PASS and the test group at the Tech Center to ensure that a proper and complete testing requirements document is in place to help mitigate a poor requirements document used for the development of the equipment. The CTD is required for 23 FAA ASR8 sites to enable transition from ARTS IIE to STARS.
    - o June 9, 2015, Richard Thomas (GEG) dialed into the Joint Site Survey (JSS) in-brief at AVP. JSS is a survey with the vendor that concludes with the ordering of STARS equipment for the site.
    - o June 9, 2015, Joe Yannone (region X) dialed into the CTD risk board.
    - o June 9, 2015, Bill Spence (BTV) dialed into the LAF IOC Planning telcon. The LFT IOC is scheduled for June 20th.
    - o June 10, 2015, Richard Thomas (GEG) dialed into the AVP Joint Site Survey (JSS) out-brief.
    - o June 11, 2015, Ross Costa (RSW) attended the Joint Site Survey (JSS) at PGD. PGD is adding a STARS TDW off of the RSW STARS system.
    - o June 11, 2015, John Kerr (MIA) participated in the PTR prioritization review. John was representing both Phase 1 (Legacy STARS systems) and SEG2 (All STARS ELITES and ARTS IIEs).
    - o June 11, 2015, Bill Spence (BTV) dialed into the LFT IOC telcon.
    - o June 11, 2015, Tim Poer (ABI) dialed into the CMI post ISS followup telcon to resolve outstanding issues at CMI.

- o June 11, 2015, Bill Spence (BTV) dialed into final IOC planning telcon SBN. SBN will go IOC on Monday morning June 15th. SBN will be the second of three (3) ASR8's to both transition from an analog to digital on the ASR8 and transition from ARTS IIE to STARS with a big bang approach.
- **STARS/TAMR OSF update submitted by Candy Barr–OSF/Multi Unit**
  - o Monday
    - ▪ Mr. Barr attended The Leads Telecom
    - ▪ Ms. Barr attended the TFOS Coordination Telecom. CLT WAM and PHL Ground Stationissues were added to the weekly agenda.
  - o Tuesday
    - ▪ Steve Sims attended the STARS Software Build Telecom
  - o Wednesday
    - ▪ Michael Tate and Jake Alcromback attended the TSAS (formally know as TSS) Telecom
    - ▪ Mr. Barr the SMS Telecom
    - ▪ Steve Sims, Ms. Barr attended a Telecom with Doug Peterson, Dan Hetland (SEOSF) and PCT to discuss issues with SSR code ACFT and the position symbols available. Issues identified were provided to TSLE software for inclusion into a PTR.
    - ▪ Steve Sims and Ms. Barr attended the ELITE opportunity Telecom, schedules were discussed and OSF training requirements were reviewed.
    - ▪ Ms. Barr attended the S6.00R2A National Release Suitability Call Telecom, all parties agreed this build is suitable for national deployment.
  - o Thursday
    - ▪ Steve Sims and Ms. Barr attended the PTRWG Telecom.
    - ▪ OSF specialist attended the TSLE Technical Telecom
    - ▪ Ms. Barr attended the TAMR OSF Telecom. MDM4 deliveries and MDM3 disposition for ELITE were discussed. We asked to track MDM4 deliveries for the G4 OSF systems. The scheduled delivery of the NCT ELITE OSF system was discussed and the impact that would have on the ELITE program. The ELITE opportunity schedule impact to Joint Site Survey meetings for G4. OSF spares were discussed. Some OSF's have space issues. The program office is asking to reduce spares that are common to both ELITE and G4. Mike Carnicom and Ms. Barr will discuss and provide the PO our decision.
  - o Friday
    - ▪ Mr. Barr and Ms. Barr attended the TAMR TAGUP Telecom.

- ▪ Ms. Barr attended the NATCA TAMR SBS information share Telecom
  - o Week Ahead   SBN ELITE IOC and D10 prepares for S6.00R3D4 IOC

TIME BASED FLOW MANAGEMENT (TBFM): Eric Owens (I90) is the TBFM Article 48 Representative for the union. Mr. Owens' report to the membership is below.

- Last week Mr. Owens attended the National Airspace and Procedures meeting at NATCA National.
- The TBFM Ops Team supported a Coupled Scheduling (CS) key site at ZLA and ZOA.
  - o This activity was restricted to scheduling the departures to a de-confliction point and did not fully test the functionality of CS.
  - o A command and control issue was identified and fixed with a local modification.
  - o However, the identified issue will need to be fixed in a national build or patch for further delivery.

VOR MINIMUM OPERATION NETWORK (MON): John Vogelsang (P31) is the Article 48 Representative for the VOR MON work. Below is Mr. Vogelsang's report for this week.

- Last week the VOR MON program held a working meeting in Ft Worth that Brent Luna attended for NATCA. Here are the notes that he took:
  - o Scope defined as 100 within the first 5 years....Goal for this meeting is to identify the order for this time period.
  - o Discussion about using OEAAA Tool to automate amendments. FPT and CSA feel this is very beneficial. Annual fee for use will need to be paid. Leonixa getting info for who to pay for access. Additional functionality requested by CSA and ESA and WSA will use it/benefit as well. Tool is essential for MON process
  - o 8/11-8/13 Metroplex Leads Meeting...I encouraged everyone that it is a good idea to plug in with OAPM now. Lisa Cureton will get to Mike Barnhart (Metroplex PM) and get info to team leads as well as coordinate VOR MON team time at the Leads Meeting in August. DataComm came through one of our previous meetings and the info exchange was very helpful. These teams can be very helpful or a pain, depending on when you guys get to them and where they are at in their design/publication process.
  - o Most of the afternoon was spent on tweaking the waterfall list and balancing each service center and each chart cycle and/or year.

- o An agreement is being worked with AFS that MagVars for VORs that are on the discontinuance list will not have to be done...details have not been finalized
  - o Team discussed the many pitfalls as the process starts to come together. I encouraged them to keep all plans flexible and able to dynamically be changed as facilities identify different needs when existing nav structure is changed. Rigid timelines are preferred and may need to be advertised, but behind the scenes, there needs to be contingencies for when a certain site becomes a more complex challenge.
  - o Mr. Luna asked if it was possible to delay the waterfall by say 5 years and let FPT and all projects focus on pulling procedures off the VORs....Team indicated the train was already rolling and that was not an option for other lines of FAA business.
  - o Mr. Luna think the COMs piece of this could be a huge pain. Mr. Luna thinks NATCA will need someone on this team that can speak to Frequency use and coverage and how that affects the waterfall. Service Centers may have someone knowledgeable to plug into this. Chris Sutherland (Harris Corporation) said there were Frequency managers in the meetings three weeks ago.
- This week Mr. Vogelsang participated in the bi-weekly telcon for the program. There was little new information as the program manager is on leave this week.

UNMANNED AIRCRAFT SYSTEM (UAS): Steve Weidner (ZMP) leads NATCA's work on the UAS front. Mr. Weidner's report to the membership for this week is below.

- Mr. Weidner attended the weekly UAS Hot Topics meeting hosted by Peggy Gilligan (FAA Associate Administrator for Aviation Safety).
- Participated in a pre-brief meeting for the Class D UAS panel that was held this week.
- Participated in the Class D UAS panel.
- Met with Dan Williams (ATO UAS Integration Team Lead) for their weekly meeting.
- Met with Randy Willis (AJV115 Manager) for their weekly meeting.
- Met with Mel Davis (NATCA Art 48 Rep to NextGen) to catch up on overlapping activities between NextGen and UAS.
- Met with Andy Marosvari (NATCA Art 48 Rep to AJV8) to get him up to speed on UAS activities affecting AJV8.
- Met with Robety Utley (NATCA S&T Dept) to discuss Article 48 communications and to brief Mr. Utley on UAS.

- Participated in several phone calls/emails over the course of the week regarding FAA input to potential Congressional language regarding hobbyist UAS.

Dale Wright

Dale Wright
Director
Safety and Technology