Phase 1 Go Live Discussion

- Update on STBO/TBFM Interface electronic negotiation
- Summary of alternatives for go live
- Discussion and finalizing plan for go live
NASA STBO / FAA TBFM Interface
Status Update

• Review
  – Enables IDAC-style scheduling with STBO Client acting as an IDST
  – Requires communication between NASA and FAA networks via NAS Enterprise Security Gateway (NESG) using a new TBFM NASA Proxy
  – Currently conducting on-site testing at WJHTC

• Summary
  – Network interface between NASA and FAA networks is ambitious and has proven more time consuming to validate than anticipated
  – Delays associated with TBFM NASA Proxy configuration have consumed margin in TBFM test schedule
  – TBFM PO new test schedule states STBO/TBFM Interface will be cleared for use in CLT on October 25, 2017

• Impact of STBO/TBFM Interface not available at “go live”
  – Will impact IDAC style scheduling for ZDC electronic scheduling
  – ZDC APREQ scheduling will be similar to ZTL APREQ scheduling
  – SWIM times on STBO will continue to be available
1) Big bang
   - On or before Sat Sept 30th, begin daily use of all ATD-2 system features, including; all data exchange and integration features, available APREQ features and surface metering bank 2.

2) Experimentally rigorous micro-phases
   - On or before Sat Sep 30th, begin the first micro-phase within Phase 1 evaluation, allowing progressive operational input on ATD-2 features while incrementally building up IADS capability and capturing evaluation and benefits data

3) Agile micro-phases
   - A series of micro-phases that bring in capabilities and features for use operationally in a phased manner with a more flexible (e.g. expedited) timetable and based upon local feedback/readiness input on a week-by-week basis.
Go-Live Evaluation Alternatives

1) Big bang
   - On or before Sat Sept 30\textsuperscript{th}, begin daily use of all ATD-2 system features, including; all data exchange and integration features, available APREQ features and surface metering bank 2.

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   - On or before Sat Sep 30th, begin the first micro-phase within Phase 1 evaluation, allowing progressive operational input on ATD-2 features while incrementally building up IADS capability and capturing evaluation and benefits data.

3) Agile micro-phases
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### Micro-phase I: Data Exchange & Integration

- **When:** Sep 29, 2017 (Go Live)
- **Description:** The focus of this micro-phase is on use of the ATD-2 system for all DE&I features as part of daily operations for ATC. Starts with the second bank of the day.

**ATC**
- Implement runway utilization strategies, departure fix closures, runway closures, and TMIIs using STBO as part of daily operations
- SWIM APREQ times and EDCT times will be available in STBO
- STBO tools and DASH used to understand demand capacity imbalances

**Ramp**
- During bank two all ramp controllers and the ramp manager will begin using RTC
- Inputs made by ATC regarding runway utilization strategies, departure fix closures, runway closures, and TMIIs will be seen on RTC
- Pushback advisories will be available for APREQ EDCT times
- Ability to request runways for OpNec

**Flight Deck**
- During bank two the flight deck will receive runway assignments and changes to dep fixes
- Push back advisories based on call for release times may be given
Micro-phase II: IDAC style APREQ negotiation with ZDC & Expanded DE&I

– When: Oct 26, 2017
– Description: The focus of this micro-phase is on use of the ATD-2 system for IDAC style electronic negotiation with ZDC and expanded DE&I beyond bank two

### ATC
- All micro-phase I capabilities, plus
- IDAC style electronic negotiation with ZDC for APREQ times
  - Use of red/green bar spacing to determine available slots
  - Electronic requesting of a slot

### Ramp
- All micro-phase I capabilities, plus
- During additional banks, all ramp controllers and the ramp manager will continue using RTC
  - The manner in which DE&I is expanded will be a ramp based decision but should be coordinated with ATC

### Flight Deck
- All micro-phase I capabilities, plus
- During additional banks, the flight deck will receive runway assignments and changes to dep fixes
- Push back advisories based on call for release times may be given
Phase I Go Live - Micro-Phase III

Micro-phase III: Surface Metering
– When: Nov 29, 2017 (TBD)
– Description: The focus of this micro-phase is on use of the ATD-2 system for all DE&I features during daily operations and utilization of surface metering during bank two.

**ATC**
- All micro-phase II capabilities, plus
- Procedures and coordination required for surface metering
- Use of the DASH to determine when to implement surface metering

**Ramp**
- All micro-phase II capabilities, plus
- Daily operational use of RTC
- Use of the DASH to determine when to implement surface metering
- During surface metering pushback advisories will be available and utilized

**Flight Deck**
- All micro-phase II capabilities, plus
- During bank two the flight deck will receive pushback times for surface metering
Proposed Phase I Micro-Phase Timeline

Operational Evaluation Readiness Decision (OER1)
Sep 28

Checkpoint (Shadow Session 13)
Oct 23/24

Micro-Phase I
09/29/2017

Micro-Phase II
10/26/2017

Micro-Phase III
11/29/2017

Checkpoint (Shadow Session 14)
Nov 28/29

Operational Evaluation Readiness Decision (OER1)
Sep 28

Checkpoint (Shadow Session 13)
Oct 23/24

Micro-Phase I
09/29/2017

Micro-Phase II
10/26/2017

Micro-Phase III
11/29/2017

Checkpoint (Shadow Session 14)
Nov 28/29
Discussion of Phase I Go Live

- Feedback on feasibility and level of comfort of users given training will now be held the week of September 25th

- Thoughts on the draft timetable?
  - Does a go live date of September 29th seem achievable?

- Process to transition between phases?
  - Debriefs and checkpoints
The Operational Evaluation Readiness (OER1) decision event is planned for September 28th

- This is a decision that is quality driven based on input from our field demo partners

- The meeting will allow us to discuss
  - Recent user interface refinements that were implemented based on feedback gathered during the OSE1 period
  - Data quality and robustness
  - Data feed monitoring
  - Data sharing
  - Software updates for bug fixes as well as new feature releases

- Gain field demo partner concurrence to proceed with go live on September 29th

- Initial discussions of Phase II planning and development