



**ATD-2 Integrated Arrival/  
Departure/Surface (IADS) System  
Phase 2 Fused IADS  
Informal Tech Transfers – Completed –  
TT2 Published**

*September 2019*

This document summarizes the informal tech transfer events that occurred in FY19 during Phase 2 of the ATD-2 project (Oct 2018 – Sep 2019).

Date	Brief Description	Receiving Group	Type of Transfer
11/1/18	Provided source information needed to key on when processing TFMS Terminal Flight Data (from SWIM)	TFDM development team	Email questions/answers, discussion
3/6/19, 3/23/19, 4/26/19, 8/1/19, 9/19/19	List of on-going changes to the ATD-2 Phase 2 demonstration software. These lists of changes were provided periodically to safety panel folks to keep them apprised of the latest ATD-2 agile development efforts.	Safety Risk management panel	Email, software release notes documents
3/13/19, 4/12/19	Informal technology transfer of ATD-2's parsing of Ground Stop data in the TfmData Flow feed and TMI flight matching logic	TFDM - Algorithm discussion group	Emails and teleconferences.
3/26/19	Phase 3 Briefing for North Texas mobile application kickoff meeting	Airline Operator(s), ATC, FAA ANG, MITRE for mobile app kickoff	In-person briefing
3/27/19	Briefing for the Collaborative Decision Making group Flow Evaluation Team (FET) to explain Phase 3 related goals in the NTX area.	CDM Flow Evaluation Team (FET) at AAL facility	In-person briefing
3/29/19	Meeting to discuss metrics, benefit mechanisms, and analysis results	FAA NextGen Systems Analysis and Modeling	In-person meeting
4/11/19, 4/12/19, 5/1/19	Informal technology transfer of ATD-2's lessons learned from processing of multiple flight plans and flight plan cancellations.	TFDM	Teleconferences
4/16/19	Lessons learned regarding TBFM data (from SWIM and other)	Airline Operator(s)	Meeting and emails
4/19/19	Demonstration of ATD-2 at WJHTC as part of the Trajectory Based Operations (TBO) technical exchange	TBO TEM participants	Presentation, demo
4/26/19	Discuss ATD-2 lessons learned and initial results from a lab-only SFO ATD-2 system	SFO airport personnel	In-person meeting
5/2/19	Phase 3 ATC Meeting at NTX - discussed the proposed operational use of the ATD-2 Phase 3 capability that was utilized in the field in Summer 2019	North Texas Region FAA field demo partners	In-person meeting
5/9/19	Continued the discussions on Phase 3 'Stormy 19' plan to gain consensus in the community. Phase 3 Meeting with Field Demo Partners	FAA ATC Managers and Flight Operators	In-person meeting
5/14/19	ATD-2 Briefing to SCT/FET breakout group at Spring Session. This was the first joint meeting of the two CDM teams that	CDM teams	In-person meetings

Date	Brief Description	Receiving Group	Type of Transfer
	collaborated on a CDM tasking with NASA ATD-2. The ATD-2 team briefed this group and answered questions.		
5/15/19	ATD-2 had the opportunity to address the larger/main Spring CDM forum. This discussed progress over the last year and work ahead.	CDM teams	In-person briefing
5/21-22/2019	ATD-2 briefed a full day of SWIM and Fuser related material to the SWIM Industry FAA Team (SWIFT). Topics: Learning to SWIM with ATD-2, Fuser Overview, Fuser Deep Dive, Fuser Database Overview, TTP	SWIFT team members, numerous Operators and FAA personnel	In-person briefings
5/23/19	Post-SWIFT Q&A. The ATD-2 team held an 'extra innings' to answer additional questions on SWIM related processing.	FAA SWIFT leads and others from community	In-person meeting
5/23/19	Freeze 3 briefing and discussion. This important milestone reported system development and testing progress and gained agreement on the implementation plan with the NTX community.	NTX Field Demo Partners	In-person meeting
Apr/May	ATD-2 supported the Collaborative Site Implementation Team (CSIT) team at an Operator facility.	Operators	In-person meeting
6/11/19	Phase 3 Safety Risk Management (SRM) Panel to gain approval for running ATD-2 Phase 3 capabilities in the field environment.	NTX Field Demo Partners	Meeting, signed doc
6/14/19	ATD-2 discussed what data access rights are required to share its data with an airport operator	Airport operator	In-person meeting
6/14/19	Met with FAA personnel to discuss CDM access rights for TFDM Terminal Publication (TTP) SWIM feed	TFDM	Telecon meeting
6/26/19	ATD-2 Briefing to TBFM and TFDM Ops team meeting	TBFM and TFDM Ops Team	In-person briefing
7/3/19	Various reports and accuracy data was shared with the FAA to help with adaptation development. Examples are surface taxi-out data, spot assignments, and runway configurations/ assignments.	TFDM team	Email, documents
7/10/19	Provided sample gate from TfmData Terminal Service to TFDM to assist in their ongoing development efforts.	TFDM	Email, spreadsheet
7/22/19 - 7/28/19	Demonstrated and answered questions for the AirVenture Oshkosh attendees on ATD-2's ramp capabilities, mobile app work, surface metering and many other areas.	AirVenture Oshkosh attendees	Face-to-face discussions, demos

Date	Brief Description	Receiving Group	Type of Transfer
9/5/19	ATD-2 provided lessons learned about display of default gates to TFDM	TFDM	Email
9/9/19	ATD-2 provided information about TFM control element in SWIM to TFDM	TFDM	Email
9/10/19	Analysis on the current level of L-Time (or latest gate time of departure) accuracy	Operator()	Email, analysis graphics
9/10/19, other	Engagement with TFDM Operational Metrics Team	TFDM, AJR-G, Volpe	Email, Meetings