



HIWC Way Forward

Tom Ratvasky & Tom Bond
December 08, 2016



HIWC Way Forward

- NASA and FAA are continuing to examine long range HIWC identification through HIWC RADAR II flight campaign for August 2017
 - Data will yield insights (capabilities and limitations) into dual frequency or dual polarization for HIWC conditions detection and provide additional characterization for future Appendix D/P assessment
 - NASA is continuing ice crystal icing fundamental physics testing at Propulsion Systems Lab (PSL)
 - Data will be used to improve ice accretion models
 - NASA is continuing to utilize PSL for engine icing testing
 - NASA will be comparing the PSL cloud simulation to natural HIWC conditions defined by HAIC-HIWC campaign results
 - FAA and NASA will support the Aviation Rulemaking Advisory Committee (ARAC) as needed to review Part 33 Appendix D and harmonized with EASA CS-25 Appendix P.
 - NASA is currently reviewing opportunity to collaborate in HAIC 2
-