**Tuesday, July 19**

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| **Time** | **Subject** | **Speaker** |
| 8:00 – 8:15 | Welcome and Introductions | Larry Ilcewicz, FAA |
| 8:15 – 8:45 | [Overview of proposed AC scope and workshop goals](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CStructural%20Modifications%20Intro%2007-18-16.pptx) | Cindy Ashforth, FAA |
| ***Session 1: Requirements and Metallic Modifications*** |
| 8:45 – 9:30 | [Modification Experience](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5C160718%20160719%20%20EASA%20Composite%20Modifications.ppt) | Simon Waite, EASA |
| 9:30 – 10:00 | [Modification Challenges from the CAA NZ Perspective](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CComp%20Mod%20WShop%20-%20CAA%20NZ.pptx) | Greg Baum, CAA New Zealand |
| 10:00-10:15 | *Break* |
| 10:15-10:45  | [Overview of regulatory requirements and existing guidance and industry documentation](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CMike%20Cann_Overview%20of%20Regulations_7_19_16.pdf) | Mike Cann, FAA |
| 10:45 – 11:15 | [Considerations and experiences installing composite parts on metallic structure](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CEd%20Davis_General%20Considerations_7_19_16.pdf) | Ed Davis, Aviation Partners |
| 11:15 – 11:45 | [Structural Modifications – Classification, Requirements and Certification Aspects](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CFAA%20Workshop%20Structural%20Mods%20-%20Fokker%20contribution.pptx) | Andries Buitenhuis, Fokker Aerostructures |
| 11:45 – 12:15 | [Moderated Discussion](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CComposite%20Modification%20Workshop_Session1-Moderated%20Discussion%20Questions_AR.ppt) | Andreas Rambalakos, FAA |
| 12:15 – 1:15 | *Lunch* |
| ***Session 2: Requirements / Practices to Design and Certify Composite Modification Parts*** |
| 1:15 – 1:45 | [Common MRB for Composite Parts](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CDave%20McClenahan_Common%20MRB_7_19_16.pdf) | Dave McClenahan, McClenahan Engineering |
| 1:45 – 2:15 | [Development and Certification of Composite Helicopter Rotor Blades](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CJames%20Van%20Horn_Developoment%20and%20Certification_7_19_16.pdf) | James Van Horn, Van Horn Aviation LLC |
| 2:15 – 2:45 | Requirements / Practices to Design and Certify Composite Modification Parts | Ed Goodrich, Nordam |
| 2:45 – 3:00 | *Break* |
| 3:00 – 3:30 | Special Mission Belly Pods / Radomes | Frank Simmons, Gulfstream |
| 3:30 – 4:00 | Moderated Discussion | Angie Kostopoulos, FAA |
| 4:00 – 4:30  | Industry Partnerships and International Standards for Certification Efficiency | John Tomblin, NIAR |
| 4:30 – 5:00 | Tour of National Center for Aviation Training | John Tomblin, NIAR |
| 5:00 – 6:30 | *Hosted Social Hour* |

**Wednesday July 20**

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| **Time** | **Subject** | **Speaker** |
| ***Session 3: Requirements for Modifying Composite Structure*** |
| 8:00 – 8:30 | [The Substantiation Dilemma Associated with Major Composite Repairs and Alterations](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CThe%20Substantiation%20Dilemma%20R1.pptx)  | Jim Epperson, Spirit Aerosystems |
| 8:30 – 9:00 | [Perspectives on Modifications and Alterations on Modern Composite Airplanes](Perspectives%20on%20Modifications%20and%20Alterations%20on%20Modern%20Composite%20Airplanes_Brey_v1.pptx) | Paul Brey, Consultant |
| 9:00 – 9:45 | An experimental presentation on the effects of poor design or implementation of modifications involving composite materials | Yeow Ng, NIAR |
| 9:45 – 10:00  | *Break* |
| 10:00 – 10:30 | [Design and Process Guidelines for Helicopter Structural Modifications](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CDJ%20Reddy_Design%20and%20Process%20Guidelines_7_19_16.pdf) | DJ Reddy, Consultant |
| 10:30 – 11:00 | [Manufacturer’s View on Structural Modifications to Composite Airframe](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CSurendra%20Rajpal_Antennae%20Installation_7_19_16.pdf)[AIRBUS VIEW ON STRUCTURAL MODIFICATIONS TO COMPOSITE COMPONNENT](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CBarry%20Schroeder_Airbus%20View_7_19_16.pdf) | Surendra Rajpal, Boeing and Barry Schroeder, Airbus |
| 11:00 – 11:30 | [Requirements for Modifications to Composite Structure](Airline%20input%20on%20Modifications%20revA.pdf) | Eric Chesmar, United Airlines |
| 11:30 – 12:00  | Moderated Discussion | Larry Ilcewicz, FAA |
| 12:00 – 1:00  | *Lunch* |
| ***Session 4: Special Subjects*** |
| 1:00 – 1:40 | [Repair and Modification of Primary Composite Structural Components – Substantiation Complexities for Non-OEMs Within the Scope of both Field Approvals and STC Projects](Issues%20Associated%20with%20Modification%20and%20Repair%20of%20Primary%20Structures.pptx) | Steve Forness, Air Flight Technical |
| 1:40 – 2:00 | Background: Part 23, 21.9 NPRM | Lester Cheng, FAA |
| 2:00 – 2:30 | [Limit of Validity, Repairs, Modifications, Composites, and the Aviation Advisory Rulemaking Committee](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CLOV_Repairs%20%20Alterations_Final_R1.ppt) | Walter Sippel, FAA |
| 2:30 – 3:10  | [The Impact of Electromagnetic Effects on Composite Structure Design and Repair](file:///C%3A%5CUsers%5Cauditorium%5CDesktop%5CPresentations%5CBilly%20Martin_Electromagnetic%20Effects_rev1_7_19_16%20%281%29.pdf) | Billy Martin, NIAR |
| 3:10 – 3:25 | *Break* |
| 3:25 – 3:45 | Inspection Challenges | Rusty Jones, FAA |
| 3:45 – 4:15 | Substantiation of Bonded Repair | Mike Borgman |
| 4:15 – 4:45 | Moderated Discussions | Mike Cann, FAA |
| 4:45 – 5:00  | Wrap Up and Closure | Larry Ilcewicz, FAA |