



Minutes Joint WG Team Leaders and Steering Committee Mtg
June 24, 2013
@ Composites Innovation Centre
13h00-16h00

1. Introduction

- The Chairman identified the objective of the joint meeting was to review the work of the six groups, provide some guidance and as well continue onwards with a Steering Committee session to discuss how the TRM could be actioned

2. Working Group Reports

- WG 1 – Advanced Machining
 - i. Adaptive Machining
 - ii. 3D X-ray inspection
 - iii. Additive Manufacturing
 - iv. NDE- - Electromagnetic Non-destructive Evaluation
 - v. 3 potential reports to come
- WG 2 - Robotics and Automation
 - i. Multi use End of Arm Tooling
 - ii. Self-Reconfiguring Robotic Systems
 - iii. Human Robot Interaction
 - iv. Intelligent Sensors
- WG 3 - Composites
 - i. Automated lamination processes for composite products
 - ii. Out of Autoclave processing (OOA)
 - iii. Ceramic Matrix Composites (CMC)
 - iv. 3D-Fibre Pre-Forms
 - v. Resin Infusion (RI)
- WG 4 - Simulation, Analysis and Modeling
 - i. 3D Enhanced Instructions and Training
 - ii. Simulation Platform for Complex Interconnected Systems
 - iii. Modeling of New and Emerging Composite Materials
- WG 5 - Engine Testing and Certification
 - i. Gas Turbine Testing Simulator
 - ii. Improvement of Efficiency of Test Sites (Wireless Communication, Robust Instrumentation, Robust High Speed Video)test cell health monitoring
 - iii. Custom Design of Specialized Instrumentation
 - iv. Emerging Aero Engine Tests
- WG 6 - Space and Rocket Systems
 - Technology Thrust Reports to be provided (ASAP please)

3. Instructions to WG's –Overall

- A significant amount of effort has been seen to date; the next deadline is the full and final presentation of the TRM reports by the end of August.
- Each Working Group should consider the possibility of a near term project arising from their reports. Can a project be identified which can be initiated in the very near future? Is there a potential for a tech demo project?
- All Thrust Reports will be circulated, along with the minutes to all Working Group and Steering Committee members for review of overlaps, and identification of collaborative projects and Tech Demos..
- TAWGS to consider cost components and implementation strategies for the Thrust elements

4. Environmental Scans

- There are a total of 15 scan requests from 5 Working Groups which have been forwarded to CISTI. For the most part these Scan Requests are in final form.
- Some of our groups have already been in dialogue with the CISTI people, others are pending
- CISTI indicates that they will spread this work out between 4 Information Specialists and that their work will continue onwards through to the end of July with that end of month as their deadline
- Our WG's are therefor to proceed as they are now and incorporate materials from CISTI when they arrive
- Our compliments to Economic Development Winnipeg for providing the financial support to conduct these database scans and to IRAP for mediating these conversations

5. Collaboration

- Observations were offered on the substantive cross company collaboration that has occurred through the TRM process and the importance of maintaining the momentum that has been created
- Creation of collaborative research projects within MB would be a big advance and it was suggested that we try to create at least one collaborative project out of each group.
- Are there elements in your Thrust Reports that can be integrated into multi stakeholder research project involving industry partners and academe, as appropriate?

6. Next Stages

- The Steering Committee will review these Tech Thrust Reports and consider OEM alignment
- In some matters, guidance will be also be provided by the Steering Committee through the Chairman to individual Working Groups
- The Steering Committee has begun discussion on mobilizing this project towards input on national platforms, such as AIAC-Emerson Report
- Consideration will proceed on a general vs. a detailed implementation of the Thrust reports and an implementation subcommittee will be considered.
- "Next-Steps" planning will be initiated shortly