

Return to Flight Task Group

Public Meeting

**February 17, 2005
Teleconference**

Public Meeting Agenda

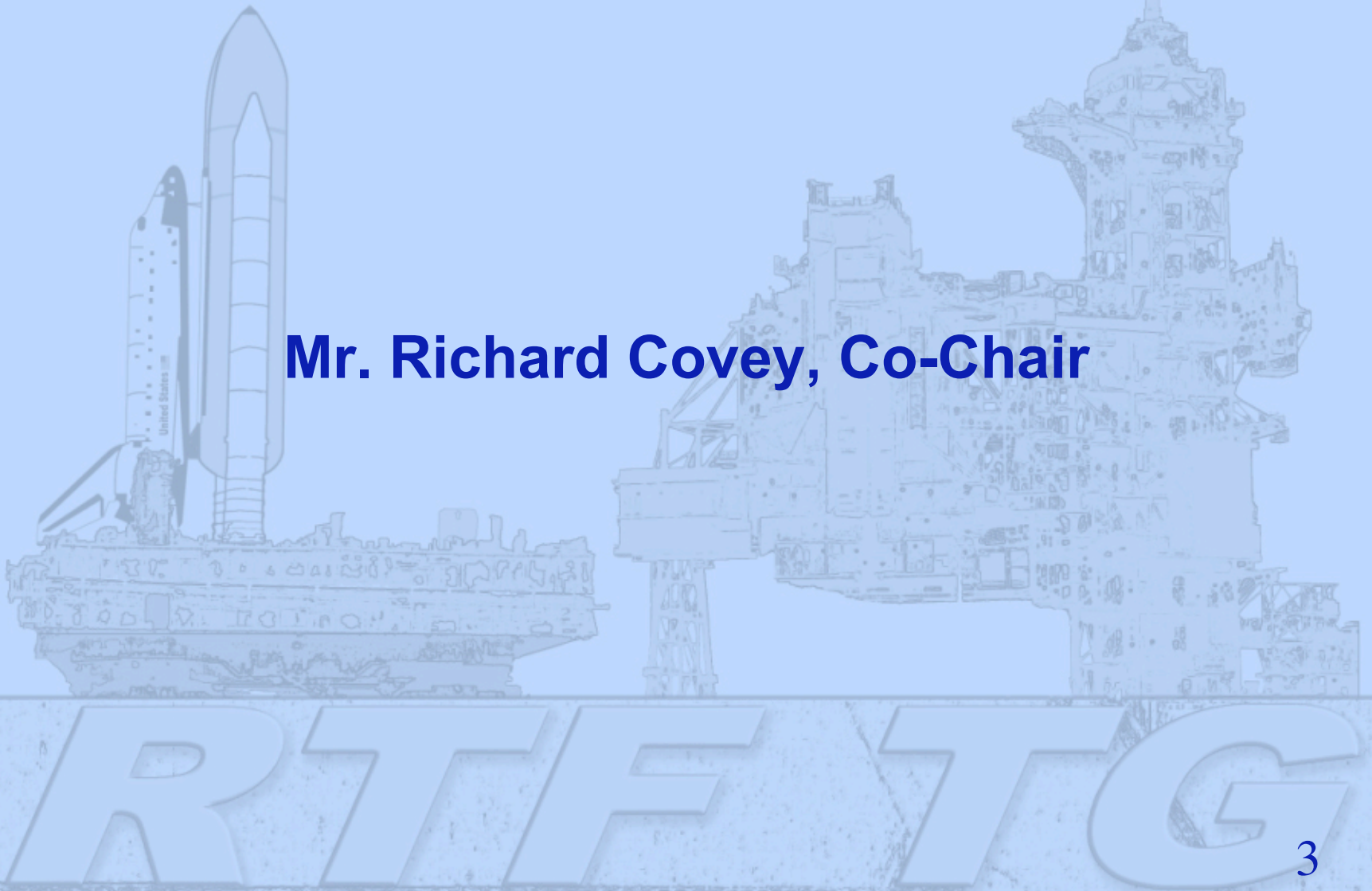
February 17, 2005

- 1205 – 1215*
Introductory Remarks:
Mr. Richard Covey – Co-Chair
Mr. Joe Cuzzupoli – Technical Panel Lead
- 1215 – 1230
Technical Panel Presentation
3.3-1 Reinforced Carbon-Carbon Structural Integrity – Mr. Sy Rubenstein
- 1230 – 1240
Action Item Summary and Closing Remarks
Mr. Richard Covey – Co-Chair

* All Times are Eastern

Introductory Remarks

Mr. Richard Covey, Co-Chair



Technical Panel Introductory Remarks

Mr. Joe Cuzzupoli

Technical Panel

R3.3-1 Reinforced Carbon-Carbon Structural Integrity

Mr. Sy Rubenstein

RTF TG

3.3-1 – Reinforced Carbon-Carbon Non-Destructive Inspection

CAIB Recommendation

Develop and implement a comprehensive inspection plan to determine the structural integrity of all Reinforced Carbon-Carbon system components. This inspection plan should take advantage of advanced non-destructive inspection technology.

3.3-1 – Reinforced Carbon-Carbon Non-Destructive Inspection

RTF TG Interpretation

Re-baseline Reinforced Carbon-Carbon (RCC) components by recycling through original manufacture process. Use advanced technology as appropriate.

Pursue inspection capability improvements with newer technologies to allow Non-Destructive Evaluation (NDE) of RCC without removal. Assess commercially available equipment and develop standards for use against flight hardware.

3.3-1 – Reinforced Carbon-Carbon Non-Destructive Inspection

Panel Assessment

- **Closure Status**
 - Full closure package submitted to Task Group during April, 2004 Plenary; at that time, the Task Group accepted NASA's plan contingent on closure of the following items:
 - Investigate OV-105 Nose Cap Anomaly, provide rationale why it is not a flight constraint.
 - Update Operations and Maintenance Requirements and Specifications Document (OMRSD) for inspection of RCC panels
 - Closure of all Material Reviews/Problem Reports (MR/PR's) from detailed RCC NDE inspection
 - Receipt of Program Requirements Control Board (PRCB) Directive S064002
 - Closure of Request for Information (RFI) Tech-046, RCC Impact Test Data

3.3-1 – Reinforced Carbon-Carbon Non-Destructive Inspection

Panel Assessment

- **Fact Finding**
 - Receipt of PRCB Directive S064002; received Dec. 2004 Plenary
 - Closure of RFI Tech-046, RCC Impact Test Data; received Dec. 2004 Plenary
 - 105 Nose Cap damage anomaly occurred during Type A sealant refurbishment process
 - All RCC hardware has previously been subjected to the same refurbishment process without incident
 - All RCC hardware has been subjected to NDE
 - Any similar anomalies would have been detected through NDE
 - No anomalies occurred.
 - All MR/PR's from detailed RCC NDE inspections have been closed
 - The technical change to update the OMRSD for inspection of RCC panels has been reviewed

3.3-1 – Reinforced Carbon-Carbon Non-Destructive Inspection

Recommendation

- **NASA has met the intent of CAIB Recommendation**
- **Accept for Full Closure**
- **Transition to Aerospace Safety Advisory Panel to ensure that NDE inspections of the RCC continue for future flights.**

Action Item Summary and Closing Remarks

Mr. Dick Covey – Co-Chair

