



AIAA Technical Committee Charter

Version	Revision date	Updates	Revisions made by
Version 1	01/10/2019	Initial release. Vetted by the ATIO Group Director	Oleg Yakimenko, ADS TC Chair 2019-2021
Version 1a	02/10/2020	Reflects the ADS TC roster changes introduced by AIAA HQ on 02/01/20 Approved on 03/02/2020 (out of 33 TC members 20 (64%) voted as follows: 21 Yes, 0 No, 0 Abstained)	Oleg Yakimenko, ADS TC Chair 2019-2021
Version 2	10/26/2020	Accommodates a COVID-19-caused shift of ADS TC activities by one year	Oleg Yakimenko, ADS TC Chair 2019-2022

1. Committee name

Aerodynamic Decelerator Systems Technical Committee (ADS TC)

2. Officers and Subcommittee Chairs

- *Dr. Oleg Yakimenko, Naval Postgraduate School, TC Chair and Standards Subcommittee Chair*
- *Richard Benney, US Army CCDC Soldier Center, Treasurer*
- *Michael Petersen, NAWCWD China Lake, Secretary and Awards Subcommittee Chair*
- *Dr. Jean Potvin, Saint Louis University, Short Course Subcommittee Chair*
- *Terence Rose, US Army CCDC Soldier Center, Student Paper Award Subcommittee Chair*
- *Jerome Richards, Bally Ribbon Mills, Materials Subcommittee Chair*
- *Dr. Vinod Kumar, UT El Paso, Database Team Leader*

3. Scope

ADS TC focuses on development and application of aerodynamic decelerator systems and lifting parachutes, paratroopers, and inflatables for deceleration, sustentation and landing of manned and unmanned vehicles.

4. Roles and Responsibilities

- 4.a. *Organize technical seminar and technical sessions at Aerodynamic Decelerator Systems Technology (ADST) conference on the even years, specifically*
- *May 2022: in Toulouse, France, together with DGA Techniques Aéronautiques, and*
 - *June 2024: within the AIAA Aviation Forum and Exposition*
- 4.b. *Solicit nominations and administer the Theodor W. Knacke Aerodynamic Decelerator Systems Award due to AIAA HQ by October 1st of the odd years*
- 4.c. *Organize Parachute Short Course to ADS community (on odd years)*

5. Governance

- 5.a. *The ADS TC falls within the Aircraft Technology, Integration and Operations (ATIO) Group*

5.b. Reporting requirements

- Annual Report submitted to ATIO Group Director by December 15
- Updated TC roster submitted to AIAA staff (cc Group Director) by end of January
 - a) updates determined annually at SciTech Forum
 - b) changes take effect May 1
- Respond to other requests from Group Director/AIAA staff as needed

6. Leadership

Describe the officer positions, how elected, term, and responsibilities

- Chairperson – (s)elected before the ADST conference for a two-year term. Service starts the day after the ADST conference. Organizes and leads all ADS TC activities throughout a two-year period (because of COVID-19, the-2021 ADST conference was postponed by 1 year, so the current term is extended by 1 year until the 2022 ADST conference).
- Treasurer- (re)appointed after the ADST conference for a two-year period (because of COVID-19, the-2021 ADST conference was postponed by 1 year, so the current term is extended by 1 year until the 2022 ADST conference).
- Secretary - appointed after the ADST conference for a two-year period (because of COVID-19, the-2021 ADST conference was postponed by 1 year, so the current term is extended by 1 year until the 2022 ADST conference).

7. Structure

- Conference Organizing Committee (Oleg Yakimenko) – focuses on organizing the 2022 ADST conference
- Awards Subcommittee (Michael Petersen) – focuses on soliciting inputs, selecting the Theodor W. Knacke Aerodynamic Decelerator Systems Award nominee and submitting nomination package to AIAA HQ
- Student Paper Award Subcommittee (Terence Rose) – focuses on reviewing / judging student papers
- Short Course Subcommittee (Jean Potvin) – focuses on organizing Parachute Short Courses
- Database Team (Vinod Kumar) – focuses on maintaining and updating ADS TC website (outside www.aiaa.com)
- Materials Subcommittee (Jerome Richards) – focuses on leading technical activities of a specific topic of a major importance for ADS community
- Standards Subcommittee (Oleg Yakimenko, John Watkins, Charles Fremaux, Elsa Hennings, Jean Potvin, Ben Tutt, Roberto Montañez, Michael Petersen, Jared Daum) – focuses on reviewing / updating ANSIAIAA S-017B-2015, Aerodynamic Decelerator and Parachute Drawings (the next review cycle ends in June of 2024)

8. Membership

As of November 1st, 2020 there were 32 ADS TC members

- Most of them were ADS TC members for a couple of decades
- Region I (North East) – 8 members (25%), Region II (South East) – 2 (6.25%), Region III (Central) – 1 (3.125%), Region IV (South Central) – 7 (21.875%), Region V (Mid-West) – 4 (12.5%), Region VI (West) – 7 (21.875%), Region VII (International) – 3 (9.375%) (1 UK, 1 Germany and 1 New Zealand)
- Fellows – 2 members (6.25%), Associate Fellows – 9 (28.125%), Senior Member – 12 (37.5%), Member – 9 (28.125%) (among the TC members, there are 3 Lifetime Members (9.375%))

- *Industry – 12 (37.5%), Government Employees – 11 (34.375%) (incl. U.S. Army – 4 , U.S. Navy – 2, NASA – 3), Academia – 6 (18.75%), Retirees – 2 (6.25%)*
- *Young Professionals (below 35-year age) – 4 members*

9. Meetings

ADS TC meets more or less every other month via teleconference call to discuss the current issues

10. Correspondence

Correspondence with the committee should be sent to the ADS TC Chair via email at oayakime@nps.edu or mail at

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11. Charter revision

Technical Committees are expected to review and revise as appropriate their charters when the TC chair changes, with some small annual updates such as officers and subcommittee chairs. Technical Committees wanting to change the committee's scope must follow the defined formal process through the Technical Group and the Technical Activities Division.