



IEEE Aerospace Electronic Systems DSTEI Update

Mark E Davis

AESS Board of Governors Meeting – Fall 2025

10-11 October 2025

Krakow Poland

- DSTEI Critical Design Review (CDR)
 - UNSAAC, Cusco Peru 3-4 February 2025
 - UniCauca, Popayan Colombia 6-7 February
- Virtual Quarterly Program Review (QPR)
 - NMIT, Bangalore, India, 14 February 2025
- AESS Tutorials
 - Drone Tutorial – Vincent Socci
 - Fusion Tutorial – Stefano Coraluppi
 - “Day in the Life” Astronaut– Giovanna Ramirez
 - EO/IR Sensor Tutorial – Mark E Davis



Evaluation of DSTEI Phase 3 Proposals

Student Branch Chapter	Phase 2 Final Report	Phase 3 Proposal	Section Letter of Intent	DSTEI Transition Partner	Overall Evaluation
UniCauca					
UNSAAC					
NMIT					

	9 - 10
	7- 8
	5 -6

- Phase 3 Proposals Outstanding For All 3 SBC
- DSTEI Transition Partner Sufficiently Defined “Investment in Kind”
- Phase 2 Final Demonstration and Report End 2025
- Peru Section Provided Adequate Financial Management

1. Finished DSTEI Phase 2 With NMIT (India), UNSAAC (Peru), UniCauca (Colombia)
 - Final Report Completed 15 July
 - Proposal For Phase 3 with Memorandum of Understanding (MOU) – Transition Partners
2. Evaluated Of Phase 3 Proposals
 - BoG Evaluators: M.E. Davis, B. Himed, V. Socci, S. Coraluppi, G. Ramirez, P. Mishra
 - Provided: Phase 3 Proposals, IEEE Contribution Forms, Sections Letter of Interest
 - Selection Of Final Student Branch Chapters
3. Handoff To Next DSTEI Phase 3 Execution
 - Sent IEEE TAB Contribution Proposals, IEEE Finance To Send Grants
 - Transition To AESS BoG Project Managers: Braham Himed, Vince Socci
 - Virtual Kickoff Of Final Student Branch Chapters November/December 2025

- Backup Charts

- Each Student Branch Chapter Provided:
 - Phase 2 Final Report by 15 July – Demonstrate Hardware/Software
 - Memorandum for Understanding for Transition Plan To Agent/Company
- AESS Decides On Which Proceed to Phase 3 by September 2025
 - Business Plan For Phase 3 and Beyond
 - TAB Funding \$25,000 For (each) Team
 - Transition Partner Provides "Investment In Kind" – Funds or Personnel
 - Demonstrate Multiple (3) Drones In Final Test

TAB Calendar Year	Budget	Actual Expenses	Surplus
2023-2024 (Phase 1)	\$172,000	\$111,826	\$60,174
2024-2025 (Phase 2)	\$170,000	\$87,454	\$82,546
2025-2026 (Phase 2 & 3)	\$170,000	\$110,000	`
2026 (Phase 3)		\$29,000	

- TAB Initiatives Historically Do Not Distribute Funds Through MGA To Student Branch Chapters
- Lorenzo Planned Chapter Summits Coincident With DSTEI Meetings (e.g. 21015 \$10,275 in 2023)
- Tutorials Provided By Regions (9 & 10) When SBC Meetings In 2nd Year Of Phase
- IEEE Moved Budget Based On Previous Budget & Moved To OU Operational Plan (21015)