



The SpaceTEC® National Resource Center continuously strives for a "Legacy of Excellence" by working through industry and educational partnerships to provide valid, relevant, error-free performance-based certifications for America's technical workforce.



## SpaceTEC® Talk

November 2012

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George Hauer  
Dr. Linda Miedema  
Jerry Moyer  
Adrian Laffitte

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C.C. of the Air Force

A Message from the SpaceTEC® PI...  
by Dr. Al Koller

We are in our busiest time of the year for NSF Projects and Centers, and the holidays are upon us! This edition of SpaceTEC® Talk provides articles on some of the key activities we think may interest you most. They include our recent ICAC international accreditation for certifications; changes in recertification policies for technicians; initial delivery of certification test cards and consoles from Nida Corporation for Basic Electricity/Electronics; and new partners and affiliates that will help grow our SpaceTEC® "family".

As promised, we have completed and submitted two major NSF Proposals - one for the renewal of our SpaceTEC® National Resource Center, and the other to fund Project CertTEC®, applying lessons learned from aerospace to credentialing in other STEM fields. We also submitted a request for supplemental funding for VetTEC™, a new initiative to build pathways to careers by credentialing returning veterans for civilian jobs related to their Military Occupational Specialties (MOS). SpaceTEC® has been included in this year's National Defense Authorization Act (NDAA), and we are receiving inquiries about certifications almost daily.

Mel Cossette,  
Edmonds C.C.

Pat Taylor,  
Thomas Nelson C.C.

Brad Hanselman,  
Tulsa Technology  
Center

Vince Thomas,  
Dona Ana C.C.

Eddie Ellegood,  
Embry Riddle A.U.

Lee Brewster,  
NCATT

As always, we welcome your comments, suggestions, and ideas. Once funding decisions are announced, we'll notify you of the results. Meanwhile, watch the websites ([www.spacetec.org](http://www.spacetec.org) and [www.certtec.com](http://www.certtec.com)) for additions and new capabilities coming soon!

## Program Activities of Note

### Recertification Requirement

[SpaceTEC®](#) and [CertTEC®](#) certifications are a mark of career excellence that affirms one's commitment and demonstrates their expertise and knowledge. To maintain the integrity of their certification, SpaceTEC® and CertTEC® requires that personnel holding our Concentration Certifications recertify every three years either by work verification, alternate method or by examination. Additional information is available about our [recertification](#) requirements.

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## Quick Links



**CERTTEC®**



[ICAC Press Release](#)

[Best-In-Us Website](#)

[FAA Safety Approval](#)

[FLORIDA SPACE rePORT](#)

[Nida Corp.](#)

[NCATT](#)

[ETA-I](#)

[NCATC](#)

[VAe](#)

[CSS-Dynamac](#)

[Lockheed Martin Space  
Systems](#)

### New Equipment

SpaceTEC Partners Inc. has purchased new equipment for the Basic Electricity and Electronics ([BEE](#)) Certifications. Under the [CertTEC®](#) brand the new testing stations will allow us to offer a performance-based certification in BEE for AC, DC, Analog and Digital. Along with the new testing stations an examinee will utilize a multimeter, function generator and oscilloscope.



Figure 1-NIDA 110E trainer w/testing cards

### Federal Aviation Administration Commercial Space Transportation Advisory Committee (COMSTAC)

Since 2003 SpaceTEC® has attended the FAA's [COMSTAC](#) meetings and participated in educational and training activities under a formal Memorandum of Understanding that was signed in 2004. Since that time major changes have included citing of SpaceTEC's Certified Aerospace Technician™ credential as a recommended approach for

Bionetics

Space Coast Energy Consortium

CCTS

CCID

Space Florida

SpaceX

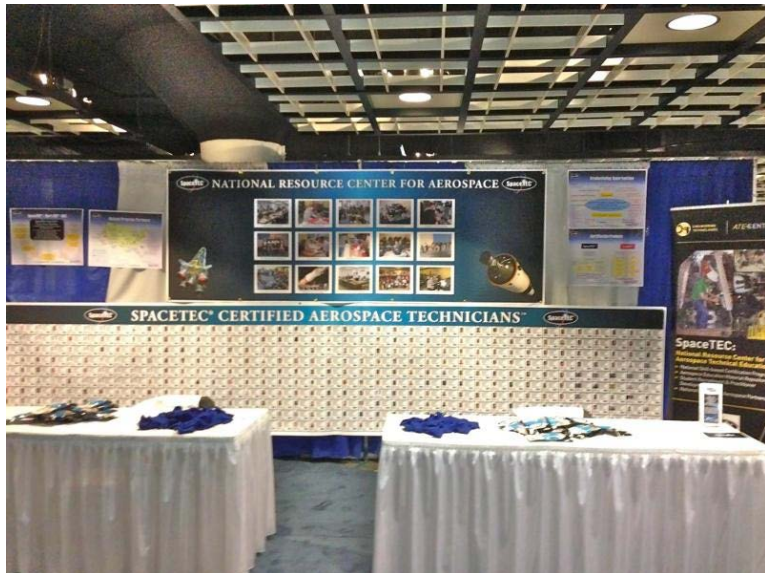
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commercial space companies as well as a formal Safety Approval in June of 2011 that was reviewed and reaffirmed in October of this year. At the October COMSTAC, there was continued work that will affect the emerging commercial space industry. Further information is available about the [discussions](#) that took place at the meeting.

Stay tuned - the pace is definitely picking up.

### NSF Advance Technology Education (ATE) PI Conference, October 2012

At this year's [ATE PI Conference](#), SpaceTEC® staffed a double-size exhibit that showcased our work in aerospace technician certification and CertTEC® initiatives. Dr. Koller and Steve Kane were attired in lab coats and wore hard hats to emphasize the nature of aerospace work, giving special attention to the banner depicting the pictures of the 400 technicians who have been certified to date. This year's exhibit included thumb drives providing current information on both CertTEC® and SpaceTEC® activities, and handouts of freeze-dried "space ice cream" stole the show!

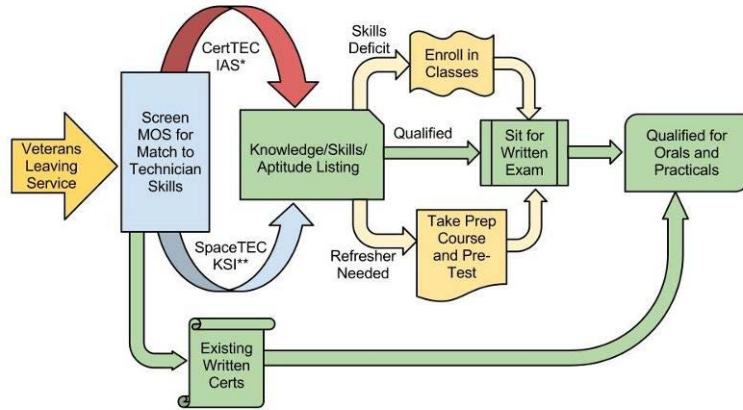


### VetTEC™ - Opening Pathways to Jobs for Returning Veterans

SpaceTEC® has requested supplemental funding from NSF to immediately engage in work to support the transition of returning veterans to jobs and careers that match their Military Occupational Specialties (MOS). The primary goal of this work is to fill STEM technician shortages by matching qualified returning veterans to existing openings through aptitude surveys and performance-based examinations resulting in stackable credentials. SpaceTEC® is formally identified in this year's National Defense Authorization Act

as a recognized credentialing organization and is already listed on the [Army COOL](#) and [Navy COOL](#) sites as well as the Community College of the Air Force educational [site](#) and the U.S. Department of Labor Employment and Training Administration's CareerOnestop [site](#). The strategy for this work is laid out in chart below.

Figure 1. Pathways To Qualifying Veterans for Civilian Jobs



\*CertTEC Industry Aptitude Surveys provide a customizable skills index (1-9) indicating aptitude/competencies in commercial areas with specific focus on skills required in those jobs, including Basic Electricity, Composites, Structures and Assembly, Manufacturing, and Troubleshooting/Repair. ([www.certtec.com](http://www.certtec.com)).  
 \*\*SpaceTEC Knowledge/Skills Inventories provide indexes for aerospace/aviation skills based on industry-endorsed competencies including Basic Electricity, Applied Mechanics, Materials and Processes, Tests and Measurements, and Troubleshooting. ([www.spacetec.org](http://www.spacetec.org)).

## SpaceTEC® Joins with NIDA for the 2012 I/ITSEC Conference

[Nida Corporation](#) of Melbourne, Florida - developer and manufacturer of courseware, trainers, and educational support services, is sponsoring a major exhibit at this year's [I/ITSEC](#) Conference. SpaceTEC® will provide exhibit materials for both its SpaceTEC® and CertTEC® programs, promoting professional development and credentialing for military groups and individuals at the world's largest modeling, simulation, and training conference. Initiated in 1966 as the [Naval Training Device Center/Industry Conference](#), the conference has evolved and expanded through increased participation by the Army, Air Force, Marine Corps, Coast Guard, and Industry. SpaceTEC® is honored to be a part of this activity and looks forward to this opportunity.



## Major Changes/Developments of Interest

### SpaceTEC® Partners Inc. Gains International Accreditation

Every successful technical project is driven by its success in filling the need for a workforce trained in hands-on skills and new technologies. The challenge is to find the best ways to qualify technical personnel, and SpaceTEC® Partners, Inc. (SPI) has done that.

On August 29, the International Certification Accreditation Council approved a program accreditation for credentials offered by SpaceTEC® Partners, Inc. The entire [press release](#) is available to be read.

To learn more, visit our websites

at: [www.spacetec.org](http://www.spacetec.org), [www.certtec.com](http://www.certtec.com) and [www.best-in-us.com](http://www.best-in-us.com)

### Titusville Chamber Education Committee's Career Exploration

SpaceTEC® Quality Specialist, Mark Gaedcke, participated in the Titusville Chamber Education Committee's Career Exploration which was held November 15th, 2012 at Brevard Community College's Titusville campus. The event began at 9:30 a.m. with approximately 120 high school students participating. Mark was able to share information about SpaceTEC® and its certifications and programs.



### Tulsa Technology Center, Tulsa, OK

Tulsa Tech is one school of a five school consortium awarded a DOL TAACCCT grant in September for Aerospace Manufacturing training. The emphasis of the training for Tulsa will be aircraft structural assembly and CNC machining. More information is available about this [grant](#) and how Tulsa Tech plans to use it.



## New Developments/Future Plans

### SpaceTEC Expands Their Testing and Certification Test Center Capabilities

SpaceTEC® is now an [ETA-I](#) test site that lets individuals take randomly-generated tests via the Internet. SpaceTEC® personnel serve as ETA-I approved exam administrators for tests administered through ETA's Freedom Test program.



### Commercial Aviation Composites Repair Committee Meeting

Steve Kane, SpaceTEC® Deputy Director and Program Manager, traveled to Seattle Sept 24th-28th to attend the Commercial Aviation Composite Repair Committee (CACRC) Meeting and NDT Forum. The CACRC is an international consortium of aviation manufacturers, airlines, and repair organizations throughout the world and SpaceTEC® has been supporting the committee's efforts since invited to join in Feb. 2012.

More information is available about this [meeting](#).

Additional information is available about this [committee](#).



## Awards and Recognitions

### CertTEC® Basic Composites Examiner

While in the Seattle area, Steve Kane also presented the CertTEC® Basic Composites Examiner certification to Mr. Gary Coykendall, MATed Composites and Additive Manufacturing Project Manager. MATed is the NSF ATE National Center for Materials located at Edmonds

Community College's Lynnwood campus. Gary is also a SpaceTEC® Examiner for both the [Core](#) and [Composites](#) certifications and has been at the forefront of the development efforts for both the SpaceTEC® and CertTEC® Composites credentials since their inception.



### More Examiner Updates

Jean Frank, who is an instructor at Thomas Nelson Community College in the Electronics program, is currently completing the necessary requirements to become a SpaceTEC® Composites examiner. Jean is currently a SpaceTEC® Core examiner.

Keith Davis, who is an instructor at Calhoun Community College in the Aerospace Technology program has begun the process to become SpaceTEC® Core and Composites

Composite examiner training is scheduled for Greg Mellema during the third week of December. Greg is the Project Lead for the Advanced Composite Structures U.S. Army Prototype Integration Facility in Huntsville, Al.

SpaceTEC Partners, Inc Board Member Retires  
Adrian Laffitte, Director, Florida Government Relations at Lockheed Martin Space Systems has retired after 31 years of service. SpaceTEC® wishes him the best in his retirement. Adrian will continue to serve on the SPI Board. A full [bio](#) is available to read.



### SpaceX Florida Executive Leaves Company for Raytheon

Scott Henderson, a member of SpaceTEC's National Visiting Committee, has taken a vice president position with Raytheon Co.'s Integrated Information Systems Division in Dallas. Henderson earned a degree in astronautical

engineering from the U.S. Air Force Academy and held a number of high-level space operations and acquisition positions. He also earned a masters degree in engineering management from Florida Tech. The Florida Today [article](#) was written by James Dean.



To learn more about SpaceTEC® activities or to begin your certification work, contact us:

By Email: [Information@SpaceTEC.org](mailto:Information@SpaceTEC.org)

By Telephone: (321)730-1020

By Mail: SpaceTEC® Headquarters, 7099 N. Atlantic Ave.,  
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