

*Wishing You a
Merry Christmas
& Happy
New Year*

Leading the way in
electronics



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DAVE'S WORLD

By: Dave Raby

December, 2015

They say "time flies when you are having fun" and that certainly seemed like the case in 2015. We've got the best team of people here I could ever hope for and they've done a lot of great things this year.



We've recently celebrated Mel Scott's 15th anniversary and, as usual, there was cake. I've known Mel since I was a kid (sorry Mel) at China Lake and he has been and continues to be a very positive influence on STI as our Director of Quality. Under Mel's guidance, we've added an Intrinsic Safety Certification as well as an IPC Qualified Manufacturers Listing (QML) certification to our existing ISO-9001-2008 this year. Early in 2016, we should be adding

another well known certification to the list.



We raised money which was donated to the Michael J Fox Parkinson's Foundation and the American Heart Association. Those are two charities that mean a lot to me personally and to a lot of other people here at STI and I can't thank everyone enough for contributing to these causes. The winning team members had lunch with Jim & Ellen Raby who were the inspiration behind the choices.

We also participated in a blood drive for our community. Quite a few people donated and I know that their efforts will have




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a direct and positive impact for those in need in the Tennessee Valley. The winning team members from this competition were treated to breakfast from Chick-fil-A.



For the past 10 years, Stacey Sipes, our accounting manager, has organized our participation in a Can-A-Thon where STI team members bring in food which is then taken to a local TV station who makes sure it is properly



distributed around the area. This year we went a step further and STI was a drop off point in Madison for the WAFF Channel 48 Can-A-Thon. They broadcast live from STI during their newscasts from 5:00 am to 6:30 pm and we had a nice parade of vehicles coming through our parking lot. I hope you can see from the photos how much was donated at our location.



We've also got a little competition going on between Engineering, Training and Administration with each team nominating a male and female for "Mr & Ms STI". Voting was accomplished by the quantity of donations to Toys for Tots. Congratulations to Frank Honyotski and Angela Harbin for being good sports and to everyone who helped in our efforts.

Of course there was also work. We introduced new training products to improve the overall knowledge of the industry workforce. One of these products shows how a bare board is built and the other product is a great tool for teaching inspection of solder joints. Our training kits continue to evolve (if you don't see what you want, just ask) and continue to be used around the world for training and for employee screening.

Our training services took a huge step this year when we added an office in Florida that teaches classes other than our standard electronic assembly and inspection classes. We still offer the traditional classes, but now we also offer many other classes that have been requested by the industry and state governments for workforce development. Please contact Pat Scott or Patti Gander for more details. I feel that we have the best staff of instructors anywhere in the world and we can teach in our facilities in Alabama, Texas, Florida or Indiana, or we can come to you.

I mentioned the two certifications we added this year in our manufacturing and failure analysis areas. We also continue to add capabilities by adding equipment and talent and we have big plans for this area in the first quarter of 2016. All of these changes are designed to meet the ever changing needs of customers including where we think technology will be in the future.

You can see by the company photo in this issue that we've continued our 33 year streak of getting better looking each year. Seriously, just look at those folks. They are the best.

Thank you for your support in 2015 and we look forward to working with you in 2016 and beyond. Please let us know what we can do to serve you better.





Contact Information:
Mel Parrish
Director, Training Materials
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The year 2015 is drawing to a close and the holiday season is upon us. It has been a great and challenging year for Training Materials.

This year saw the development and release of the new J-STD-001F Training Kit. As you may know, STI was a major contributor in the development process and as a seller of the new training kits we are in a unique position to collect feedback from the industry on the new design. While nothing major has been identified, there were some comments for improvement that I will discuss with the other team members at upcoming IPC Meetings in Las Vegas.

STI Training Materials has a policy of same day shipping with the exception of custom kits and very large orders. However, we have recently experienced a heavy demand that resulted in delivery delays of assembled 7711 boards required for Rework Repair Training Kits. For those impacted by this delay, we certainly apologize but our assembled board production is now up to full speed again.

Reflecting on the past year, we have truly been blessed to serve many dear friends,

TRAINING MATERIALS

new and old, in the electronic manufacturing industry. We continue our commitment to an involved personal approach in support of our customer requirements. Please let us know if there is anything that we can do to support you in your training efforts in the years to come. Please accept our best wishes for a blessed and festive family filled Christmas season.

Remember, you can place your orders for STI Training Materials online from our web site www.stielectronicsinc.com or by contact your friendly STI Customer Service Representative toll free at 800-858-0604.



Engineering/Manufacturing Services Year End Review

Meet & See TEAM STI The Employees Who Make A Difference

What a year! – 2015 will go down as a very good year for STI's Engineering/Manufacturing Service Division. We added more capability in our conformal coating area and added more and enhanced test capabilities. We have added a host of new people and added more equipment to each department. You will hear all the great things by department below; but I want to thank all of our personnel for a great year. Growth is always exciting, but requires a lot of hard work and effort to make sure everything proceeds without impacting quality or on time delivery. Our talented team of individuals were able to implement the additions and changes necessary for this growth without our customers feeling any growing pains. STI has a lot of talented and hard working employees and I want to say thank you for a job well done in 2015.

Equally important is our customers. We realize that a great customer relationship is only possible when both parties work towards a common goal. We are lucky to have thoughtful and knowledgeable customers which makes for good partnerships and business relationships. Thanks to all the STI CUSTOMERS FOR A GREAT 2015. Of course, this partnership is a two way street and we are cognizant of the need to add capabilities to continue to meet your future requirements and needs. Thanks again and we look forward to serving your needs and requirements in 2016.

TEAM STI is our mantra that we all believe in, because as we grow we are stronger as a whole than we are as individuals or operating departments. Meet the new team members of **TEAM STI** in the following reviews. Team STI is made up as a cross functional team or **TRIAD** as I called it of Manufacturing, Engineering and Quality with support from Marietta's Analytical Lab. The Analytical Lab supports all departments and divisions of STI.



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TEAM STI - Quality



*Left to right: Gayle Cook, Mark McMeen, Mel Scott,
Joyce Donaldson, & Teresa Seals*



MELSCOTT

(Director of Quality) has had a great year in passing audits. Quality is a major reason we've been so successful as we continue to deliver quality products in a timely manner. Mel is the manager driving our quality management system and can be reached at 256-705-5529 for all your quality related questions.

In January of 2015 we underwent an audit by IPC Validation Services personnel conducted to the requirements of IPC-A-610 and J-STD-001. We were also audited to J-STD-001 Space Addendum. We are now certified by IPC to these documents and have been placed on their Qualified Manufacturers List (QML). STI is one of eleven companies, worldwide, certified to IPC-A-610/J-STD-001 and one of two companies, nationally, certified to J-STD-001 Space Addendum.

In February 2015, after an intrinsic safety audit, STI was granted an IECEx Quality Assessment Report by ICS-South Africa Mining and Surface Certification (MASC). This means that STI is approved to build intrinsically safe communications products used in underground mines where there may be explosive environments.

On July 14 & 15, 2015 we underwent and passed another surveillance audit for ISO 9001:2008 and decided to update our Quality Management System to the requirements of AS9100 COMPLIANT. We are now working on setting up our initial AS9100 audit in 2016.

STI welcomes any customer or potential customer to come review our Quality Management System and our manufacturing processes. Just give us a call.

On the personnel side, Chris Cosgray has joined our Quality group as a Quality Engineer.



CHRISCOSGRAY

He comes to us with over 8 years of experience in military and high reliability commercial electronics manufacturing and quality assurance. He is assisting us in maintaining our ISO 9001-2008 Quality Program and getting us ready for AS 9100 certification in 2016. He is also involved in maintaining high quality product output on the manufacturing floor as well as insuring our quality assurance system. Quality of assembled products continues to be a key factor in our success and growth on the manufacturing side of the STI equation.



GALECOOK

Gale Cook, Lead Quality Control, has worked in Quality for 30+ years. She has held positions in receiving inspection, high reliability inspection and as a Quality Engineering Technician. She came to STI in April 2014 from Northrop Grumman where she was an Integrated Inspector. Gale now leads our Quality Control inspection team.

Joyce Donaldson rejoins our Quality team as a Quality Control Technician.



JOYCEDONALDSON

Joyce Donaldson has worked in the electronics manufacturing industry for over 30 years. She has worked in test, assembly, touch-up and Quality. She recently returned to STI in the manufacturing area and now is back in Quality as a Quality Control Technician.



TEAM STI - Manufacturing

A J Orames (Manufacturing Manager) has had a busy year in manufacturing and has risen to the challenge with his dedicated team of skilled employees – TEAM STI – to insure we meet the Quality objectives set by Mel Scott (Quality Manager) and the quality department. Call AJ for your unique and challenging manufacturing processes at 256-705-3359. See the following new employees added below to TEAM STI.



AJORAMES
Manufacturing Manager



STEVENHARDY

Steven Hardy is our mechanical assembly technician. Steve has 6 years of experience in the electronics field. Steve has joined the team to help us with tinning and assembly of products. Steve has a great attitude is a great addition to the team.



LISAHAMMONDS

Lisa Hammonds is our 7711/7721 rework specialist. Lisa has been working in electronics for 21 years. She has a soldering and quality

background. Lisa has been doing rework and repair on products for 6 years. Lisa is a great addition to the team. We are glad she is with us.



ANDREWTOPPING

Andrew Topping is our mechanical assembly technician. Andrew has been working for us and attending UAH as a full time student. Andrew graduated UAH this year with a degree in business administration. Andrew has joined the Marines and will be leaving us next year. We thank him for the job he does for us and for serving our country.

On the equipment front we added a new UV cure oven and enhancements to our automated conformal coat line as well as we moved into our new conformal coat room. Our SMT assembly and support equipment occupies approximately half of the 25,900 square feet of manufacturing floor space that is available. Needless to say, we have plenty of room to grow. Our current SMT line is comprised of a MPM Momentum automated Stencil printer, a Juki FX-3 automated placement system, a Juki KE-2080L automated placement system, a YesTech YTV-FIS Automated Optical Inspection (AOI) system, a Heller 1913 Mark III reflow oven, a Technical Devices Nu/Clean 618 Aqueous Inline cleaning system and a SPEA 4040 Multimode Flying

Probe test system. This line more than doubles our manufacturing capacity and provides increased manufacturing capability.



If you haven't been to STI in 2015, come visit, we would love to show you our new additions and capabilities. Thanks for your support and business in 2015! We look forward to growing our relationship with each one of our customers in 2016. Please call Angela Harbin (Logistics/Planning) with your manufacturing needs in 2016 at 256-705-5519 and below is a picture to put with a name the next time you call. She will make a difference in getting your product designed and built here at STI.



ANGELA HARBIN
Logistics/Planning

TEAM STI - Engineering

Jeff Light and staff make up TEAM STI – Engineering, which aids and insures we are engineering and building your products correctly thru the manufacturing lab. They have all the cool toys that allow us to design and engineer your electronic assemblies. They specialize in complex and miniaturized electronic assemblies from the smallest 0201 components to bare die and flip chips to leadless packages. They are an integral part of TEAM STI that works quietly and efficiently behind the scenes to not only insure we are building consistently and repeatable hardware on the manufacturing floor, but also provide process improvements to insure quality from day one.



JEFFLIGHT

Jeff Light is a seasoned 20 year electronics engineer with Military and Aerospace electronic hardware as well as an extensive background in testing high end systems. Jeff received his BS in Mathematics from Athens State in 1994 and went on to hold various positions in the manufacturing arena from manufacturing engineering to operations manager. Jeff joined STI in November of 2013. Call him for your engineering needs or come by and see him and meet is engineering Team at STI Electronics on Palmer road.



Meet the Engineering team, (L-R) Jason Tynes, Jonnie Johnson, Mark McMeen, Jeff Light, Connor Johnson and David Podolski. They are the team that helps design and develop processes to insure your electronic assemblies are built correct and meet your reliability expectations. These are the guys behind the scenes insuring TEAM STI is successful.



Connor Johnson – Connor graduated as electrical engineer from the University of Alabama in Huntsville in May 2015. He has wide experiences, ranging from ion chromatography, printed circuit board design, and business software and firmware development. Connor assists in streamlining production operations through the development of semi-automated processes. He also supports production activities through failure analysis testing.

Jonnie Johnson - Jonnie is an Electrical Engineering Systems Engineer with 35-plus years of experience. He has fielded successful design solutions in a wide range of applications: from test sets to land-based and RF telecommunications. He has experience with configuring/programming test equipment for component testing in the Component Evaluation Lab. He has also worked in telecommunications designing equipment to interface old technology hardware with modern automatic exchanges, including processor controlled analog circuits with multi-frequency (MF) receivers. Jonnie is adapt to creating military firmware packages that interfaced with the main aircraft computer through a MIL-1553B BUS. He has experience in data transfer via TCP/IP as well as developing multitasking operating system. He has extensive experience in electronics testing, evaluation, verification, and troubleshooting. Jonnie joined STI in November 2002.

Jason Tynes – Jason graduated with distinction from Worcester

Polytechnic Institute with a BS in Mechanical Engineering in 2003. He spent nine years at Raytheon Missile Systems as a mechanical design engineer, where he was a recognized subject matter expert in electronics packaging, design, and tolerancing. He is ASME GDTP (Y14.5-1994) certified. He also has six years of experience in software and firmware development, using Visual Basic, C#, C++, and Matlab. Jason has been providing automation solutions to STI since December 2013.

David Podolski - David earned a B.S. in Mechanical Engineering from the University of Alabama in Huntsville in July 2015. He performs mechanical design and development activities for a variety of internal and external customers. In addition to his mechanical engineering skills, he also programs and operates specialized electrical test equipment. If you need engineering assistance then Team STI – Engineering is here to assist you in your design and assembly of your electronic hardware needs. Call Jeff Light or Jason Tynes at 256-705 -5532 (Jeff) or 256-705-5511 (Jason) for engineering assistance on your next project. STI engineering specializes in mechanical enclosures and vibration and strain gauge testing as well as in circuit board design. If you have a schematic and BOM then STI Engineering can design it forward. Thanks again and remember to call STI for your engineering needs.




TEAM STI - Analytical Lab



Left to Right: Marietta Lemieux, Mark McMeen, Debi Bonkoski, Rachel Hernandez



Marietta and her staff make up TEAM STI – Analytical Lab, which aids and insures we are building your products correctly thru the manufacturing lab. They have all the cool toys that allow us to see solder connections that are under components or inside the PCB itself. They can also tell if something is dirty at the ionic level or what happened inside the packaged IC. They are an integral part of TEAM STI that works quietly and efficiently behind the scenes to not only insure we are building consistently and repeatable hardware on



the manufacturing floor, but also provide failure and material analysis services to a broad array of customers all over the world.

Also, if you have not yet had the chance to see our setup in the Analytical Lab, you have missed out! The analytical lab has approximately quadrupled in size from our old facility. We have updated one of our Scanning Electron Microscopes this year with the latest versions of both hardware and software, so we can continue to provide you with high-magnification imaging and elemental analysis. We also added a brand new Keyence VHX digital microscope. This free-angle observation Keyence high-resolution digital microscope is able to achieve a 20x greater depth of field when compared to a typical optical microscope. This allows objects with large variations in surface topography to be focused and accurately observed in a single image. Even at higher magnifications you can obtain a fully-focused image. Our system has a wide range of 20x-2500x magnification. Images can be generated in either 2D or 3D display. After collection of either a 2D or 3D image, we can perform real-time measurements of distance, angle, radius, areas, etc. and three-dimensional measurements such as profile and volume. The variable angle option allows observation of a sample from all directions. By adjusting the viewing angle of the camera and lens, no detail is ever missed.

Another addition to the lab this year is a new industrial grade diamond saw, capable of cutting

2 inch thick glass or ceramic materials.

Besides the high-tech equipment that enables us to do our job, we would not be anywhere without the help of our technically capable and knowledgeable staff. Rachel Hernandez is one of the welcome additions to our lab this year. Rachel is currently working on getting her Mechanical Engineering Degree at the University of Alabama in Huntsville (UAH). She joined STI's lab as an Analytical Lab technician and has been a great asset in helping us with sample preparation and data-collection.



RACHELHERNANDEZ

**TEAM STI Stands ready
to serve your needs in
2016**

If you haven't been to STI in 2015, come visit, we would love to show you our new additions and capabilities. Thanks for your support and business in 2015! We look forward to growing our relationship with each one of our customers in 2016. From our family to yours: "Have a safe and happy holiday season". See you in 2016. As you can see from the above, employees make the difference and we have an outstanding group of employees who make up TEAM STI. If you

need TEAM STI then call one of our team members or call me: Mark McMeen at 256-705-5515 with your Manufacturing, Engineering, Quality, or Analytical needs.



Find Out What's New



Visit Our
NEW & IMPROVED
website

www.stielectronicinc.com



Stay tuned for our next promotional giveaway.

Follow *Us*



iPad
mini



Our latest winner is David Wright who is a
loyal Facebook follower.

TRAINING SERVICES



Contact Information:

Pat Scott

Director of Training Services

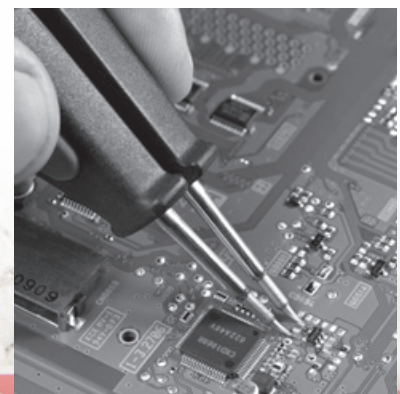
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2015

Looking Back while Focused on the Future

2015 has been a year of growth for STI's Training Services Department. We established a training presence in Tampa and St. Petersburg Florida, added new staff in Florida, Indiana, Texas and Alabama, announced the appointment of a Houston Training Center Manager, and introduced a New IPC-A-600 PCB Process Sequence Kit.

This year has proven to be very productive for STI's Florida Training Centers and STI is now able to offer some of the Florida Training Center classes to all of our customers.



New Training Classes

Shop Floor Series

Industrial organizations understand the importance for employee training and skill upgrades. The employees that are directly involved in producing the product require training to keep them current with the ever evolving demands of the customers.

Enrolling employees into the Shop Floor Series classes assist companies in growing their work-force capabilities. The increased knowledge allows you to grow, attract and retain the work-force necessary to remain competitive in today's global marketplace.

The below classes are modular and can be taken as a series or individually. Each class is one (1) Day

- Print Reading
- Problem Solving
- Supervisor I
- Supervisor II
- Lean Fundamentals

Maintenance Series

Industrial organizations understand the importance for employee training and skill upgrades. Innovation and technological advances are rapidly transforming US industries.

By enrolling employees into the Maintenance Series Training classes, companies can grow, attract and retain the workforce necessary to remain competitive in today's global marketplace.

The below classes are modular and can be taken as a series or individually.

- Maintenance Series - Mechanical Systems Basics (5 Day Module)
- Maintenance Series - Industrial Electricity Basics (5 Day Module)
- Maintenance Series - PLC Basics (4 Day Module)

TRAINING SERVICES

Lean Six Sigma



LEAN

Focuses on waste

+



SIX SIGMA

Focuses on preventing defects

=



LEAN SIX SIGMA

Lean strengthens Six Sigma:

Industrial organizations understand the importance for employee training and skill upgrades. Innovation and technological advances are rapidly transforming US manufacturing.

The Lean Six Sigma series of courses are not just “training” your staff but directs them towards projects that provide real measurable returns. Lean and Six Sigma have been utilized in a number of industries including manufacturing, hospitals, financial services, government and the armed services. Staff members using these methods can provide measurable and predictable results.

Each program builds on the last. Courses may be taken as an individual class or in sequence to progress. The White Belt is a prerequisite to the yellow belt, the yellow belt a prerequisite to the green and so on. The lean bronze is not part of the series and is a stand-alone course.

- Lean Six Sigma White Belt (4 hours)
- Lean Six Sigma Yellow Belt (16 Hours)
- Lean Six Sigma Green Belt (56 Hours)
- Lean Six Sigma Black Belt (80 Hours)
- Lean Bronze (56 Hours)

STI can provide these training classes at our locations in St. Petersburg or Tampa and on-site at the employer’s facility (based on a minimum number of students per course).

Meet Our New TRAININGSTAFF



PATTI GANDER

There has been many new additions to STI's Training Services staff. This past year STI added two full time positions in Florida. They include Patti Gander, Florida Training Center Manager and Martin Hickey, Technical Instructor.

Patti joined STI's Training Services staff in February of this year. She possesses both an MBA and Master's in Management. Patti is a subject matter expert in a number of areas within the manufacturing and training industry. She has also developed training curricula in lean manufacturing, business process improvement, and project management etc. Patti currently holds Master IPC Trainer (MIT) certifications for J-STD-001, IPC-A-610, and IPC/WHMA-A-620.

Patti will continue to support the Space Coast SMTA Chapter as a Training Committee Chair. Patti has been able to establish an extensive portfolio of training courses for both Tampa and St. Petersburg, FL. Please visit our website at www.stielectronicsinc.com for training classes, locations and dates. To learn more about the Industrial Skills Training Series please contact Patti Gander at pgander@stielectronicsinc.com or (813) 486-1207.



MARTIN HICKEY

Another addition to the Florida staff is Martin Hickey. Martin joined STI as a Technical Instructor. Although he is new to STI he has many years of experience. Martin started in electronics in the military as an Electronic Warfare collection operator and analyst. When he finished his service he went on to achieve a Bachelor's of Science in Electronics Engineering. Martin's career path was from a surface mount machine operator, hand solder assembler, to rework and repair tech, to troubleshoot and repair tech before moving into quality engineering later in his career.

Martin achieved his MBA and moved his career to a Lean Six Sigma engineer for a metal parts manufacturer making parts as a prime contractor for a manufacturer whose specialty was munitions. Martin also acted as a program manager and an internal continuous improvement consultant.

Martin currently holds a Master IPC Trainer (MIT) certification for IPC/WHMA-A-620 and a Certified IPC Trainer (CIT) certification for J-STD-001 and IPC-A-610.



JULIO ESTRADA

STI also announced the appointment of Julio Estrada as Training Center Manager – Houston. Julio has been with STI since July of 2012. He is responsible for the daily operations of the Houston training center as well as conducting training courses. He currently holds a Master IPC Trainer (MIT) Certification for J-STD-001, IPC-A-610, IPC/WHMA-A-620 and a Certified IPC Trainer (CIT) Certification for IPC-A-600 and IPC-7711/7721. Julio will also continue to support the Gulf Shore SMTA Chapter by serving as the VP of Membership.

Julio is committed to providing quality training to our customers in Texas and the surrounding areas so please let him know how he can best support your training needs.

TRAINING SERVICES

Meet Our New TRAININGSTAFF



JASON SHASTRI

Jason Shastri just recently joined STI's Training staff in Houston, TX. Jason has a B.S in Electronic and Electrical Engineering and has 20 years of experience in Contract Manufacturing (CM) and Original Electronics Manufacturing (OEM) sectors covering Engineering, Quality, Program Management, Operations and New Business Development. He currently holds a certification as a CIT for IPC-A-610. Jason's experience working with the Oil and Gas Industry is a great addition to our training staff in Houston, TX.



TRAVIS WEASE

STI has also added Travis Wease to its Training Services Staff. Travis joined STI in June 2015 and provides training support at STI's Indiana facility. Travis has more than 18 years of experience in electronics rework/repair and technical training, and is a tremendous asset to STI and the students who will have a chance to attend one of his classes. He previously worked at ModusLink (formerly PTS Electronics) as both a Lead Technician and as Training Coordinator. Travis was responsible for the training and certification of all rework/repair personnel to J-STD-001, IPC-A-610, and IPC-7711/21 standards. His other training responsibilities included ESD Awareness, GHS Awareness, R2 Awareness, ISO overview and all other Health and Safety training that was required.

Travis is currently certified as a Master IPC Trainer (MIT) for J-STD-001, IPC-A-610, IPC/WHMA-A-620, and IPC 7711/7721.



DARLENE HOFFER

Darlene Hoffer joined STI's Training Services Staff – Madison, AL in February 2015. Darlene has more than 30 Years of experience in Electronics Manufacturing and technical training. has worked As a Technical Training Specialist for DRS, Darlene's responsibilities included training and certifying electronic assemblers and quality personnel in accordance with J-STD-001, IPC-A-610, IPC-7711/7721 and IPC/WHMA-A-620.

Darlene also worked for Crane Aerospace Electronics as an Assembler/Manufacturing Training Specialist. She was responsible for developing and conducting training to IPC-A-610 and J-STD-001.

Darlene is currently certified as a Master IPC Trainer (MIT) for J-STD-001, IPC-A-610, and IPC/WHMA-A-620. Darlene is a great addition to our training staff in Alabama.

NEW PRODUCTS

The IPC-A-600 PCB Process Sequence Kit became available in September of this year. This kit was developed as an aid to individuals teaching the IPC-A-600 Training course or for anyone in need of visual aids to assist with explaining the various steps of the PCB fabrication process.

A promotional banner for the IPC-A-600 PCB Process Sequence Kit. On the left, a black zippered case is open, revealing several green PCBs with white components and a blue USB drive. A white starburst graphic with the text 'NEW \$99.95' is positioned next to the case. The background is a blue circuit board pattern. The STI Electronics logo is in the top right corner. The text 'IPC-A-600 PCB PROCESS SEQUENCE KIT' is written in bold white letters on a dark blue background at the bottom of the banner.

NEW
\$99.95

IPC-A-600 PCB PROCESS SEQUENCE KIT

KIT CONTENTS: Case, PCBs, artwork and flash drive with documentation. Documentation includes kit legend with fabrication steps and care and handling instructions.

STI Electronics is proud to announce the introduction of the IPC-A-600 PCB Process Sequence Kit. Each board provides an example of a step in the bare board fabrication process. This kit is designed as an aid to individuals teaching the IPC-A-600 training course or for anyone in need of visual aids to assist with explaining the various steps of the PCB fabrication process. Designed for portability and ease of use, everything needed is contained within the zippered case.

 **CONTACT SALES AND ASK FOR PART #403-1010**

(800) 858-0604 or sales@stielectronicsinc.com • 261 Palmer Road • Madison, AL 35758 • www.stielectronicsinc.com

Many of our students say that this kit was very useful for understanding the PCB process steps. If you're interested in the kit please contact sales at (800)-858-0604 and ask for Part #403-1010.

STI will continue to look at new and innovative training kits that will help support our training customers.

Order Online

To Visit our NEW Amazon Store, go to:

<http://sti-electronics-inc1.hostedbywebstore.com>

or

<http://estore.stielectronicsinc.com>

Holiday Wishes

The goal of STI's Training Services Department has always been to provide quality training for all our customers. With the additional staff, STI will be better able to provide training to our growing customer base. We recognize that our success is based on our loyal customers. We appreciate the support and will continue to provide the same high quality training and customer service that we always have.

Happy Holidays from Training Services





Bottom Picture (L-R) Frank Honyotski, Diana Bradford, Kelli King, Pat Scott, Julia Adamecyk, Ann Duncan, Ray Cirimele, Darlene Hoffer, Michelle Morring



STI's Training Services - Madison, AL

2016 Schedule

 J-STD-001 "REQUIREMENTS FOR SOLDERED ELECTRICAL & ELECTRONIC ASSEMBLIES"			
J-STD-001 CERTIFIED IPC TRAINER (CIT) CERTIFICATION		J-STD-001 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION	
February 8 - 12 April 11 - 15 June 13 - 17	August 29 - September 2 October 3 - 7 November 28 - December 2	January 18 - 22 June 20 - 24	September 19 - 23
J-STD-001 CERTIFIED IPC TRAINER (CIT) RECERTIFICATION		J-STD-001 CERTIFIED IPC APPLICATION SPECIALIST (CIS) RECERTIFICATION	
January 21 - 22 February 17 - 18 March 30 - 31 April 27 - 28 May 25 - 26 June 29 - 30	July 27 - 28 August 24 - 25 September 21 - 22 October 26 - 27 November 16 - 17 December 7 - 8	February 8 - 10 March 28 - 30 June 1-3	September 29-30 November 7 - 9
		Additional dates available upon request.	
J-STD-001 CERTIFIED IPC TRAINER (CIT) SPACE ADDENDUM		J-STD-001 CERTIFIED IPC APPLICATION SPECIALIST (CIS) SPACE ADDENDUM	
February 19 April 1 April 29 May 27 July 1 July 29	August 26 September 23 October 28 November 18 December 9	February 10 March 30	November 9
 IPC-A-600 "ACCEPTABILITY OF PRINTED BOARDS"			
IPC-A-600 CERTIFIED IPC TRAINER (CIT) CERTIFICATION/RECERTIFICATION		IPC-A-600 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION/RECERTIFICATION	
February 16-18 June 1-3	September 27-30	September 12-14	

Course dates subject to change based on class capacity and demand.

Training Services • Curriculum Development • Highly Skilled Staff



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www.stielectronicsinc.com



STI's Training Services - Madison, AL

2016 Schedule

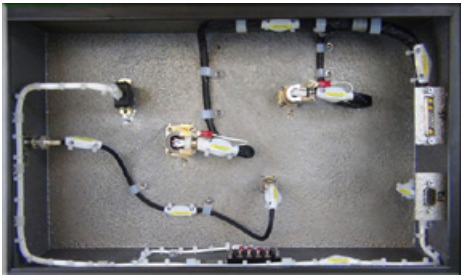


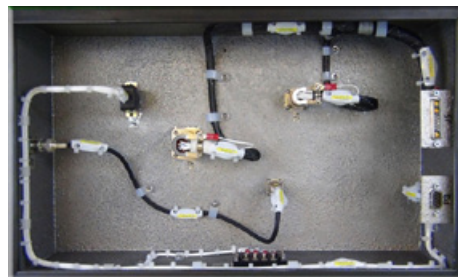
IPC-A-610 "THE ACCEPTABILITY OF ELECTRONIC ASSEMBLIES"

IPC-A-610 CERTIFIED IPC TRAINER (CIT) CERTIFICATION		IPC-A-610 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION/RECERTIFICATION	
March 14 - 17 June 13 - 16	August 23 - 26 October 24 - 27	February 10-12 May 23-25	July 6-8 September 7-9
IPC-A-610 CERTIFIED IPC TRAINER (CIT) RECERTIFICATION			
January 19 - 20 February 15 - 16 March 28 - 29 April 25 - 26 May 23 - 24 June 27 - 28	July 25 - 26 August 22 - 23 September 19 - 20 October 24 - 25 November 14 - 15 December 5 - 6		



IPC/WHMA-A-620 "REQUIREMENTS AND ACCEPTANCE FOR CABLE AND WIRE HARNESS ASSEMBLIES"

IPC/WHMA-A-620 CERTIFIED IPC TRAINER (CIT) CERTIFICATION*		IPC/WHMA-A-620 CIS CERTIFICATION/ RECERTIFICATION*	
February 8 - 11 August 1 - 4	October 11 - 14	April 25-27 June 6-8	September 26-28 December 12-14
IPC/WHMA-A-620 CERTIFIED IPC TRAINER (CIT) RECERTIFICATION*		*PREREQUISITE FOR IPC/WHMA-A-620B SPACE CERTIFICATION/RECERTIFICATION	
February 4 - 5 March 28 - 29 May 23 - 24 June 9 - 10	July 25 - 26 September 12 - 13 October 17 - 18		
IPC/WHMA-A-620B-SPACE CERTIFIED IPC TRAINER (CIT) CERTIFICATION			
February 15-19 October 17-21	August 8-12		
IPC/WHMA-A-620B-SPACE CERTIFIED IPC TRAINER (CIT) RECERTIFICATION			
March 30 - April 1 May 25 - 27	July 27 - 29 September 14 - 16		



Course dates subject to change based on class capacity and demand.

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STI's Training Services - Madison, AL

2016 Schedule



IPC-7711/7721 "REWORK, REPAIR AND MODIFICATION OF ELECTRONIC ASSEMBLIES"

IPC-7711/7721 CERTIFIED IPC TRAINER (CIT) CERTIFICATION		IPC-7711 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION (Mods 1-7)	
March 21 - 25 September 12-16	June 27-July 1 October 31-Nov 4	July 18 - 22 (Mods 1-7) December 12-16	October 3 - 7
IPC-7711/7721 CERTIFIED IPC TRAINER (CIT) RECERTIFICATION		IPC-7711 CERTIFIED IPC APPLICATION SPECIALIST (CIS) RECERTIFICATION	
June 2 - 3 September 8 - 9	October 19 - 20 November 7 - 8	May 5-6 July 7-8	September 26-27

MSFC/NASA COURSES

NASA-STD-8739.4 CABLE/HARNESS CERTIFICATION OPERATOR/INSPECTOR		NASA-STD-8739.1 STAKING AND CONFORMAL COATING CERTIFICATION OPERATOR/INSPECTOR	
August 22-26	November 28 - December 2	August 29 - September 1	December 19 - 22
NASA-STD-8739.4 CABLE/HARNESS RECERT		NASA-STD-8739.1 STAKING AND CONFORMAL COATING RECERT	
January 19-21 May 9-11	November 2-4 December 12-14	May 12-13	October 31 - November 1

CUSTOMIZED TRAINING COURSES

BASIC SOLDERING	ESD AWARENESS	BGA REWORK
July 5-8	November 14-18	Dates available upon request.

STI TRAINING CENTER
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MADISON, AL 35758
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STI's Training Services - Houston, TX

2016 Schedule



J-STD-001 "REQUIREMENTS FOR SOLDERED ELECTRICAL & ELECTRONIC ASSEMBLIES"

J-STD-001 CERTIFIED IPC TRAINER (CIT) CERTIFICATION

January 11-14
March 21-25

February 8-12
August 1-5

J-STD-001 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION

July 25-29

September 26-30
November 7-11

J-STD-001 CERTIFIED IPC TRAINER (CIT) RECERTIFICATION

February 16-17
October 13-14

October 31-November 1

J-STD-001 CERTIFIED IPC APPLICATION SPECIALIST (CIS) RECERTIFICATION

February 18-19
March 3-4
April 14-15
June 1-2
June 20-21

July 7-8
September 15-16
October 10-11
December 8-9



IPC-A-600 "ACCEPTABILITY OF PRINTED BOARDS"

IPC-A-600 CERTIFIED IPC TRAINER (CIT) CERTIFICATION/RECERTIFICATION

Course available upon request

IPC-A-600 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION/RECERTIFICATION

August 24-26



IPC-7711/7721 "REWORK, REPAIR AND MODIFICATION OF ELECTRONIC ASSEMBLIES"

IPC-7711/7721 CERTIFIED IPC TRAINER (CIT) CERTIFICATION

Course available upon request

IPC-7711/7721 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION (Mods 1-7)

April 4-12
September 6-14

November 28 - December 6

IPC-7711/7721 CERTIFIED IPC TRAINER (CIT) RECERTIFICATION

July 21-22

October 20-21

IPC-7711/7721 CERTIFIED IPC APPLICATION SPECIALIST (CIS) RECERTIFICATION

July 18-19

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2016 Schedule



IPC-A-610 "THE ACCEPTABILITY OF ELECTRONIC ASSEMBLIES"

IPC-A-610 CERTIFIED IPC TRAINER (CIT) CERTIFICATION		IPC-A-610 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION/RE-CERTIFICATION	
February 2-5 May 10-13 June 27-30	August 9-12 October 4-7	January 19-22 February 23-26 March 29 - April 1	May 23-26 September 20-23 November 15-18
IPC-A-610 CERTIFIED IPC TRAINER (CIT) RE-CERTIFICATION			
February 29 - March 1 August 22-23	November 2-3		



IPC/WHMA-A-620 "REQUIREMENTS AND ACCEPTANCE FOR CABLE AND WIRE HARNESS ASSEMBLIES"

IPC/WHMA-A-620 CERTIFIED IPC TRAINER (CIT) CERTIFICATION		IPC/WHMA-A-620 CIS CERTIFICATION/RE-CERTIFICATION	
January 19-22	April 17-20	April 19-22	
IPC/WHMA-A-620 CERTIFIED IPC TRAINER (CIT) RE-CERTIFICATION			
June 23-24	October 17-18		

CUSTOMIZED TRAINING COURSES

BASIC SOLDERING		Shop Floor Series - Print Reading	
January 25-29 March 7-11 July 11-15 December 12-16	April 25-29 May 2-6 August 29-September 2	February 2	February 23
Shop Floor Series - Problem Solving		Shop Floor Series - Supervisor 1	
February 3	February 24	February 4	February 25

Course dates subject to change based on class capacity and demand.

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J-STD-001 "REQUIREMENTS FOR SOLDERED ELECTRICAL & ELECTRONIC ASSEMBLIES"

J-STD-001 CERTIFIED IPC APPLICATION SPECIALIST (CIS) CERTIFICATION

St. Petersburg, FL		Tampa, FL	
January 18-22 February 29 - March 4	April 4-8	February 8-12 March 21-25	May 2-6

Locations:

CAREER SOURCE
7701 22ND AVE N
ST. PETERSBURG, FL 33710

CAREER SOURCE
2605 N 43RD STREET
TAMPA, FL 33605

Contact: Patti Gander, Training Center Manager - Florida
Phone: 813-314-2170
Cell: 813.486.1207

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All of Us at STI want to say THANK YOU for your business
and the role you played in a successful 2015!



We Wish You and Your Families a Merry Christmas and a
Healthy & Prosperous New Year!