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**ETA Captures the Next Level for Electronic Professionals and Organizations.**  
*Meets Smart Home Demands with RESI Certification*

GREENCASTLE, Ind. – The convergence of omnipresent high tech consumer gadgets and the recreational use of the Internet are creating an upsurge of both consumer demand and consumer electronics development for the Smart Home.

To ensure that today’s electronic professional is prepared for this emerging skill set requirement, RESI is ETA’s consumer electronics certification program, Residential Electronics Systems Integrator. Released in 2006, it has developed into three certification levels; **Basic RESI, Journeyman RESI, and Master RESI**, and five specialty endorsements; *Audio-Video, Computer Networking, Closed Circuit TV, Security-Surveillance, and Environmental Controls.*

“Smart Homes” growing popularity and the sophistication of this technology is driving an expected 6.4% increase in revenue within the consumer electronics market segment, with its revenue increasing to \$327.2 billion from \$307.6 billion in 2007 (ZDNET Research 2007). The U.S. market for custom integration/installation is expected to grow by approximately 9% through 2008, according to research conducted jointly by Parks Associates and EH Publishing.

In 2007, consumer electronics segment is one third of an estimated \$1.47 trillion electronics industry. As this segment exponentially grows, the multitudes of career opportunities are becoming quite evident. ETA’s RESI certifications offer individuals and their employers a differentiator or competitive edge in a field that is being defined by “Smart Homes”, a revenue expansion for many consumer product and service providers.

Therefore, ETA has developed their RESI program to follow a business transition, which sufficiently meets the training guidelines for integration of Smart Home consumer electronics, communications, security and environmental controls by offering the following certification career path.

**RESI can make you a leader in “Smart Home” technology**  
**3 levels of expertise**



**Basic RESI**



**Journeyman RESI**



**Master RESI**

## 5 specialty endorsements

**Audio-Video-Consumer Electronics Endorsement**

**Computer Networking Endorsement**

**Closed Circuit TV Endorsement**

**Security-Surveillance Endorsement**

**Environmental Control Endorsement**

ETA has several partners who are initiating a RESI program within their education training. They include but are not limited to:

*Mobile Training and Education, Inc.*, a premier provider of technical and workforce training for the US Military, telecom, aerospace and cable industries, has been one of ETA's key training partners in advancing ETA's RESI Certification Program through corporate training programs for one of the largest telecommunications companies in the world offering communications products and services ranging from high speed Internet access, wireless, advanced IP and networking solutions, home entertainment and local and long distance service.

*Briarwood College Applied Technology Division (BCATD)* offers a comprehensive 90 contact hour curriculum course offering, Residential Electronics System Integration – Basic (RESI - Basic) that is facilitated through 15 minute training blocks delivered with the combination of manageable information blocks and weekly instructor led web seminars allowing students the flexibility necessary to successfully prepare for the RESI-Basic certification exam while satisfying the existing demands on their time.

The increased bandwidth requirements necessary to support residential integration also is resulting in the integration of ETA's in-the-premise fiber optics certifications see <http://www.etainternational.org/>.

To learn more about our certification programs and to view complete competency listings for each of the RESI certifications available log onto the ETA website at [www.etainternational.org](http://www.etainternational.org). For more information contact: Teresa Maher, CSS, CAA, BCA, and ETA Executive Vice President at 1-800-288-3824.

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**Residential Electronics System Integrators (RESI)**, One of ETA's major tasks is to provide certification programs that remain applicable to current standards and emerging technologies for individual technicians, installers and service centers. Therefore, prompting ETA to develop the RESI program. This certification is based on NCEE, the National Coalition for Electronics Education, findings on knowledge and skills required to safely and efficiently install, maintain, repair and integrate today's and yesterday's residential and commercial electronics systems. Though there were many excellent certification programs defining the training for niches within this emerging field, there were none that completely covered the requirements for today's home integration processes: residential electronics planning, cabling, installation and the integrating of consumer electronic products.

All aspirants are required to pass the **Basic RESI** exam. Basic RESI is the common core of electronics knowledge that all technology experts will need to know. Upon completion of the

**Basic RESI**, they have the option to complete the **Journeyman RESI** by passing one or more of the specialty endorsements. A **Master RESI** validates an individual's knowledge in **all five** of the specialty endorsements and the integration with all voice, video, data and environment information at the home controller. The **Master RESI** is also able to converge all information entering and leaving the residential gateway into one cogent IP bit stream. They are certified to work with the homeowner or builder, local governmental entities and subcontractors as a RESI planner, developer, designer and contractor for new or retrofit Smart Home installations.

**Electronics Technicians Association, International (ETA)** is a not-for-profit professional association dedicated to recognizing and enhancing the skills and knowledge of electronics, cabling and information-technology professionals. ETA has, through its membership of individual working technicians, educators and electronics-related businesses, established competencies and testing benchmarks recognized worldwide as the standard for the electronics industry. By aligning with individual-technician professional goals, vocational and education institutions and curricula, as well as industry businesses, ETA's members and allied industry partners, stay on the leading edge of tomorrow's emerging technologies. By providing a central meeting entity, members can not only access important technical and business resources, but are part of the process of creating them for educators and the industry. While one of ETA's major tasks is the certification of individual technicians and installers, it also provides a method of obtaining industry third-party approval of training institution courses; technical manuals and materials for public, military and commercial education. ETA provides a voice for technicians and IT professionals to other important local, national and international associations, government agencies and others. It maintains an eye towards improving the welfare, recognition and enlightenment of technicians for the public, business and government.

ETA has 43 technical certification testing programs including:

- Aerospace
- Avionics
- Biomedical
- Broadband Voice over Internet Protocol
- Computer Networking
- Customer Service
- Data Cabling
- Electronics
- FCC
- Fiber Optics
- Radar
- RESI
- Satellite
- Telecommunications
- Wireless

ETA has molded all of its certification programs after the ISO 17024 international standard for certifications programs.

**Briarwood College Applied Technology Division (BCATD)** offers courses and Associate Degree programs in several technology fields including Aviation Maintenance, Fiber Optics, Electronics, Communications and Residential Electronics System Integration (RESI). Partner with organizations such as the FCC, and the Electronics Technicians Association, International (ETA-I) they deliver coursework that improves the knowledge and skills required for today's technology professionals. Courses taken under these programs will map to Briarwood College Associate Degrees of Applied Sciences & Technology and can apply toward continuing education requirements, certificate/licensure programs, and/or bachelor's degrees.

**Mobile Training and Education, Inc., *Anytime, Anywhere Training...*** specializes in providing accelerated training services to the US Military, telecom, aerospace and cable industries. The convergence of three technologies -- voice, video and data -- and new services are being deployed at an increasing rate. The technicians call center representatives and engineers that support these new services require on-going training to be able to effectively do their job.

Please contact [marketing@eta-i.org](mailto:marketing@eta-i.org) if you would like to use any portion of this document or would like further promotional information regarding ETA or any of our programs.