2 Way Communication and Applicable Codes (1.5 hours)
Speaker: David Bryant, Kings III
This presentation will cover the Code Requirements for two-way and emergency communications in A/R and Commercial Elevators, show the proper way to test ADA phones in elevators; and the technology that enables the proper functioning of ADA phones and phone lines. The participant will learn how to properly test for the required ADA two-way communication; what the code says about two-way communication; how the code varies from year to year; and what technology exists to facilitate proper functioning and code compliant phones.

Bio: David Bryant serves as Vice President for Kings III Emergency Communications. Responsibilities include managing a team of professionals strategically placed throughout the U.S. to market the Kings III Emergency Communications solutions to customers. David outlines and implements the corporate strategy in regards to markets, pricing, and terms that are consistent with company and client goals. David joined Kings III in 2006 and has 25 years of experience in Telecommunications and Electronic Security/Life Safety industries holding positions in sales, operations, management, and a partner in a security company headquartered in Irving, TX. Mr. Bryant is married with three children, a Rotarian, and resides in the DFW area

A17.1/B44 Maintenance Control Program (1.0 hours)
Speaker: John Koskak, Elevator Safety Solutions, LLC
This course focuses on the requirements in Section 8.6 of the A17.1/B44 Safety Code for Elevators and Escalators. It will explain the significant requirements and their effect on day to day business. Attendees will understand the key practices that must be incorporated into a company's program; commonly overlooked MCP provisions of the code; examples of significant non-conformances and their ramification and overall risk of non-compliance.

Bio: Mr. Koskak entered the elevator industry in 1980 in San Francisco, rising to adjuster in 1983 for Westinghouse Elevator, then for Dover, Montgomery, and Amtech Elevator Companies. In 1996 he patented and developed a plunger gripping safety device, known as the LifeJacket. From 1997 to 2001 he was Vice President of Technical Support for Adams. From 2001 to 2008 he was with ThyssenKrupp Elevator in a research and design capacity then the Director of Codes and Standards. In 2008 he went full time in his consulting firm, Elevator Safety Solutions, LLC. In 2016, he founded eMCP LLC to provide code compliant Maintenance Control Programs to Owners and Companies. He holds several US and foreign patents, has authored two books, a novel in 2006 (The Pool Manager) and a technical book on the Maintenance Control Program in 2010 (Maintenance on New Equipment Designs), and has authored two Certified Elevator Technician (CET) Courses; Course 7, Unit 13 Construction Wiring and Equipment and Course 8, Unit 14 Hydraulic Theory and Installation. He has authored over a dozen articles and five Continuing Education articles for Elevator World Magazine. He is approved as an instructor in several states providing code education for continuing education for mechanic licensing.
He is currently a member of the ASME A17 Standards Committee, Chairman of the Wind Turbine Elevator Committee, and member of several ASME, AWEA, CSA, UL, ISO, and ANSI Committees. He is a NAESA Certified Elevator Inspector, C2346. He is a proud member of International Association of Elevator Consultants (IAEC) and serves as the Southern Region Director. He was formerly a member of the NAEC Education Committee, Chairman of the NAEC Codes and Standards Committee and a former Chairman of the Elevator Escalator Safety Foundation. He is currently a member of the NAEC Board of Certification for the Certified Elevator Technician (CET) education program and Member of the Board of Directors for Elevator World Magazine.

Addressing the Most Common Questions Related to Retrofit Code (1.5 hours)
Speaker: Jim Marinelli, Electrodyn
This presentation addresses the most common code-related questions about the top 5 retrofits being installed today – emergency/standby power, energy saver, unintended motion detection and control, fire fighter emergency operation, electronic door restriction. In this presentation, you will learn the what, why and how to related to retrofit codes to ensure complete compliance for the building.

Bio: Mr. James Marinelli is presently a member of the American Society of Mechanical Engineers (ASME) and is a seated member of several committees including Emergency Operations and Hoistway. Mr. Marinelli started his career in 1969 at Millar Elevator Industries as a helper. After becoming an area supervisor, he was hired at Eastern Elevator as a mechanic eventually becoming a maintenance repair supervisor. He then left to become one of the founders of Electrodyn Systems Ltd. He is presently in charge of research and development at Electrodyn.
ALP Elevator Wire Rope Seminar (1.5 hours)

Speakers: Bruce Mock & Bill Meckley, ALP Industries, Inc.
This course will move the audience from basic elevator wire rope components and nomenclature to factors that affect the rope's service life. Following this, inspection concepts and techniques will be discussed. The attendee will gain a better understanding of the nomenclature regarding various wire rope constructions and how rope service is affected by factors such as design, sheave condition, vibration sources, and lubrication.

Bios: Bruce Mock joined ALP Industries in 1989, after working for a number of years for a chain manufacturer and another industrial distributor. Bruce is extensively involved in the elevator markets for Philadelphia, Baltimore and Washington DC. Bruce performed several hundred elevator wire rope inspections each year. Bruce has a Bachelor's Degree from Westminster College (PA).

William J. Meckley entered the wire rope industry in 1974 with a company called Universal Wire Rope. He joined ALP Industries in 1983 and has served in Outside Sales, Branch Management, and his current position as National Sale Manager. Bill performs several elevator wire rope inspections each year. Bill has a BS in Accounting from Widner University (PA) and a BS – Management degree from West Chester University (PA).

ASME A17.4 - Guide for Emergency Personnel: The do's and don'ts of elevator emergency operations for elevator personnel (1.0 hours)

Speaker: Lee Rigby, Elevator Safety and Technical Services, Inc.
This presentation will examine the recommendations in ASME A17.4. The speaker having observed that few elevator technicians have read this guide. A number of lawsuits have occurred where the elevator firm had been sued as a result of rescue attempts by elevator personnel. Since the Introduction in Part I on Evacuation Procedures recommends that any evacuation of passengers from elevators be performed under the direct supervision of elevator personnel, it is important for elevator personnel to be familiar with the procedures in A17.4.

While A17.4 was written for emergency personnel, it states that elevator personnel should also follow these procedures, however due to their knowledge of elevator systems they may utilize other procedures to safely evacuate passengers.

Bio: Rigby has over 40 years in elevator industry including installation, repair, maintenance, sales, inspection, consulting, and expert witnessing. A former Engineer III for the Florida Bureau of Elevator Safety. Currently, he is President of Elevator Safety and Technical Services (ESTS). ESTS provides training for facilities personnel in elevator emergency operations and/or escalator startup, continuing education for licensed elevator technicians and QEI certified inspectors, and elevator expert witnessing services.

Avoiding Trouble with Retrofit Drive Installations (1.0 hours)

Speaker: Donald Vollrath, Principal Engineer of Elevator Drives Group – Magnetek, Inc.
This presentation will expose several performance issues peculiar to the installation and setup of elevator motor drives with existing or new motor machines. Preferred installation and troubleshooting techniques will be discussed. Topics to be covered will include pre-testing of DC motors, proper encoder installation, electronic noise control, grounding of the equipment and use with emergency power generators.

Bio: Donald Vollrath is a Principal Engineer of the Elevator Drives group of Magnetek, Inc., Menomonee Falls, Wisconsin, a premier supplier of reliable motor controls. He is a BSEE graduate of The University of Illinois with more than 45 years of experience developing AC and DC motor drives and controls. Don has worked most recently toward perfecting motor drive equipment for elevators and educating others about that industry.

Coated Traction Ropes (1.0 hours)

Speaker: Martin Rhiner, Brugg Wire Rope
This lecture will be on how evolving installation designs, and the push by engineers to make components smaller and occupy less floor area, is making it necessary for rope manufacturers to think outside of the box and create smaller diameter ropes. Companies are already showing an interest in the tech and various standards are changing that will allow this move to go forward even more quickly. Naturally the demands placed on these smaller diameter ropes will be great and that's the challenge.

Bio: Martin Rhiner is the Vice President of Engineering and Quality at Brugg Wire Rope. He has over 20 years' experience dedicated towards improving industrial product and processes quality standards. Prior to his present management position, Rhiner worked with Suhner Manufacturing in a variety of fields including Quality Management, Product Management, Manufacturing and Research and Development. He started as Design and Manufacturing Engineer at Synthes USA in field of orthopedic implants. Rhiner has fulfilled 4-year Swiss
apprenticeship program and received certification as toolmaker and also graduated with BS in Mechanical Engineering from Brown Boveri (now called ABB) and achieved MBA from Berry College (Rome, GA). The following are contributions to professional papers: Co-contribution to Elevator World peer review white papers; Understanding Elevator Rope Performance, Endurance & Longevity (April 2009), Understanding Traction Hoist Ropes in Today’s Elevator Installations (April 2008), and Elevator Hoisting: Maximizing Performance of Ropes in Existing and Improved High-Demand Installations (July 2007). Rhiner’s most recent accomplishment is the principal coordinator and leader of Brugg RLP (Rope Life Predictor) online application. This program utilizes the formulas of Prof. Dr. Klaus Feyrer (University of Stuttgart) in order to create a program that helps professionals more efficiently and cost-effectively predict hoist rope life expectancy.

Comparing Layout, Setup, & Adjustments of GALaxy III to GALaxy IV (1.0 hours)
Speaker: Rick Cahoon, GAL
This presentation will be an overview of the changes made to GALaxy and what the installer needs to know. Those familiar with GALaxy III should come away knowing what to expect when they see their first GALaxy IV and how to deal with it.

Bio: Rick Cahoon graduated from Brigham Young University with a B.S.E.E. degree in 1983. After graduation he started working for Baxter and Son’s Elevator Co. He started as a helper and quickly moved to adjuster. While working in the field he began designing control systems. Baxter and Son’s Elevator Company started Baxco and Rick became the V.P. of research and development where he designed elevator control systems. In 1993 Rick started his own engineering company. In 1994 Rick started working for Elevator Controls and designed the SDI system and automated print generation. In 1995 Rick went to work for Automatic Elevator working as a mechanic and designing control systems. It was while there that he designed what has now become the GALaxy Controller. In 2001 G.A.L. purchased the control technology. In 2003 Rick started working as a senior design engineer for GAL. While at GAL he has had responsibilities over Tech support, contract engineering, control manufacturing and testing, PM AC motor design, PCB manufacturing and R&D. He has also been responsible for submitting and obtaining CSA Certification, TSSA Certification, California Certification, and EN12016 Certification for GALaxy controllers.

Control Valves (1.0 hours)
Speaker: Abe Salehpour, President - EECO Speaker: Abe Salehpour, President – Elevator Equipment Corp. (EECO)
This course is designed to teach the participant to become more familiar with the overall design, operation, adjusting and troubleshooting of a hydraulic elevator control valve. The adjusting and troubleshooting focus mainly on the EECO UV-5AT control valve as an example of a hydraulic elevator control valve.

Bio: Abe Salehpour is president of Elevator Equipment Corp. (EECO). He started his career in the elevator industry by joining EECO in 1993. In addition to managing EECO, he has been involved in developing new products, as well as improving the existing EECO product line, such as hydraulic control valves, over the last 20 years. Salehpour received his PhD in Mechanical Engineering from Carnegie-Mellon University in 1981.

Creating Code Compliant Maintenance Control Programs (1.0 hours)
Speaker: Bradford Welsh, Vertical Assistance, LLC
This presentation will begin by educating Elevator Inspectors, Technicians, Consultants and Facility Managers on the requirements of Section 8.6 of the A17.1 / CSA B-44 Elevator and Escalator Safety Code that prescribe what is to be provided in a Code Compliant Maintenance Control Program. It will briefly look at the purpose of the MCP Code Requirement and its benefits to equipment owners, inspectors and service technicians. It will expand on the subject by providing an example of a Code Compliant MCP, including samples of the many different documents that are required as part of a Maintenance Control Program. The presentation will demonstrate how to research industry code standards, equipment manufacturers’ documents and other essential industry related materials that can be referred to when creating a MCP. The presentation will include discussion on additional MCP related topics including: - The MCP is a Living Document - One size does not fit all, when it comes to creating a MCP - Section 8.6 requirements in relation to new technology - Electronic verses Written (Hard-Copy) documentation - Accessibility to Authorized Personnel.

Bio: Bradford Welsh is the founder and owner of Vertical Assistance LLC, which was established in 2012. He holds a Certified Elevator Inspectors license. From 2007-2012, Welsh worked for Lerch Bates Inc as a project manager. In 2006 and 2007 he worked for CEIS in the Washington DC Metro area. From 1998-2005, he served as an Inspector and Inspector Supervisor for the State of Ohio Department of Commerce, Elevator Inspection Section. Welsh is also the publisher of the Written Maintenance Control Program Forms, designed to assist with the process of creating Maintenance Control Programs for all types of Vertical Transportation equipment.
Customizing Vertical Platform Lifts: The more glass the better? (1.0 hours)

Speaker: Douglas W. Boydston, Handi-Lift, Inc.

Nothing is more damaging to our platform lift industry than slapping in standard lifts with no regard to the design of the space around them. Lifts should be an asset to the building not an eyesore. Because so much bad work was done in our industry since the ADA was enacted the end users of our equipment and their advocates who lobby for them do not have a high opinion of our accessibility solutions and prefer ramps or elevators. We need to change that perception.

Granted there are many applications such as behind a stage where aesthetics is not an issue but in a bank lobby; in the dining room of a restaurant; in a museum or historic building or any prestigious location where the lift is a prominent feature attention to details so that it fits into the space like it belongs should be our #1 concern. We will discuss options for customizing lifts from very simple and low cost options to fully custom built lifts with enclosures of architectural metal and glass; wood and stone etc. We will also cover code issues to watch out for when doing custom design work and review shop drawings from actual jobs to point out the challenges when making enclosures with as much frameless glass as possible.

Bio: Mr. Boydston founded Handi-Lift, Inc. with his parents Donald and Daphne in 1975 and has 30+ years experience in the accessibility equipment field. Handi-Lift’s core business and highest competency is in vertical and inclined platform lifts for use in public buildings. Mr. Boydston works tirelessly to promote quality products and proper applications of commercial platform lifts so that the needs of the end user are kept in mind throughout the commercial contracting process. Handi-Lift is committed to providing Accessibility with Dignity. This means working with architects, general contractors and building owners who are not necessarily the end users of our equipment to make sure the best solution possible is achieved to better serve the public with mobility impairments.

Mr. Boydston became the President of Handi-Lift in 1990. He took over for his parents when Don suffered a brain aneurism causing him and Daphne to have to retire from the business. Handi-Lift was in the business of providing accessibility equipment long before the passage of the ADA. HLI has grown to 45+ employees and 8 million a year in sales of vertical and inclined platform lifts, home elevators, material lifts and related products. HLI services the entire NYC metro area. In 2014 Handi-Lift, Inc. was turned over to Mr. Boydston’s son James Boydston who is now owner and President.

Mr. Boydston has extensive experience working with architects and engineers to design custom platform lifts to better serve those with mobility impairments. Handi-Lift has won design awards for work at the Four Seasons, Lincoln Center, The Waldorf Astoria, General Theological Seminary, The Puck Building. We have installed custom designed glass and stainless lifts at Pierpont Morgan Library, in the New York Times building, and the new Bank of America tower.

Associations: Mr. Boydston is a Past President of NAEC, and a member of AEMA. He is past chairman of the Accessibility Committee of NAEC and has been a featured speaker at NAEC conventions. He has also lectured for NAVTP and Elevator Associations in NY, NJ, CT and Florida. He has spoken to NYS building officials and his program was certified for continuing education credits. He is active in codes at the local, State and National levels and is currently Vice-Chair of the main committee of the ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. He was a member of NYC Mayor’s Committee to recommend adoption of IBC 2003 - Accessibility Committee. He is a corporate member of the Elevator Conference of New York (ECNY) and a member Elevator Safety Inspectors Association of NJ (ESIANJ). Education: BA in Biblical Literature from Geneva College, Beaver Falls, PA-1976

Debunking Myth of Elevator Energy (1.0 hours)

Speaker: Jim Bos, James W. Bos, LLC Sustainable Elevator Consulting & Engineering

There has been continued interest in elevator energy savings. However, there exists misunderstanding about what savings are attainable on a practical basis. This course presents independent and objective findings to allow the listener to separate fact from myth before making decisions. This class will provide a basic understanding of elevator energy and present what independent and objective testing indicates. This provides knowledge in order to make the effective choices for new installations and modernizations.

Bio: Jim Bos is Principal of James W Bos, LLC, consulting in elevator engineering. He provides independent services to predict the energy savings if elevators are converted to higher efficiency systems. His engineering reports are used as a basis for energy rebates. Jim has over 20 years of elevator product development experience. He has academic affiliation with the Cooper Union for the Advancement of Science and Art as Research Associate. Jim is published by the ASME, in Elevator World, and written for the New York State Energy Research and Development Agency (NYSERDA). He is a recognized expert in the field of elevator energy. He has a BSME from the University of Illinois and an MBA from the University of Iowa.
Door Operators – David Sutton, Columbia (1.0 hours)
This session offers history of door operators up to the most current technology for harmonic and linear operators. You will gain a better understanding of the evolution and technology of harmonic and linear operators.

Bio: David Sutton, IT, R&D, Technical Support - Columbia Elevator Products Co., Inc., Winfield, KS
Dave's current technical research project is Columbia's newest offering - Fermator linear operator. The project centers on combining Fermator's Robusta linear drive door operator and hanger equipment with CEPCo cabs and entrances to provide a cost effective product to their customers. Dave has worked with a number of elevator companies since 1998, Montgomery, KONE, Selcom USA, Wittur, Elevator Solutions and Columbia Elevator.

Door Re-Opening Code & Safety Training (0.5 hours)
Speaker: Dean Heasley, SCS Elevator Products.
This course will cover a brief history of door reopening systems, the ANSI codes and ADA codes related to door reopening devices, how to safely troubleshoot faulty door reopening devices, and common features of currently available door reopening devices. This course will benefit contractors, mechanics, and inspectors.

Bio: Dean Heasley, Business Development has been with SCS since 2015. He helped develop much of the collateral for SCS' safety edge. Prior to that, he worked in a business development role for ThyssenKrupp and Kings III. Dean understands the needs and concerns of elevator contractors. He has an MBA and is based out of Nashville, TN.

EECO Hydraulic Control Valve Training (1.0 hours)
Speaker: Abe Salehpour, President – Elevator Equipment Corp. (EECO)
This course is designed to teach the participant to become more familiar with the overall design, operation, adjusting and troubleshooting of a hydraulic elevator control valve. The adjusting and troubleshooting focus mainly on the EECO UV-5AT control valve as an example of a hydraulic elevator control valve.

Bio: Abe Salehpour is president of Elevator Equipment Corp. (EECO). He started his career in the elevator industry by joining EECO in 1993. In addition to managing EECO, he has been involved in developing new products, as well as improving the existing EECO product line, such as hydraulic control valves, over the last 20 years. Salehpour received his PhD in Mechanical Engineering from Carnegie-Mellon University in 1981.

Electrical Motor Repair Company: MOD Coupler Installation Demo (0.5 hours)
Speaker: Electrical Motor Repair Company
This webinar will feature the steps taken to install the MOD Coupler. Attendees will learn methods and troubleshooting for installing the MOD coupler.

Electrical Safety (1.0 hours)
Speaker: Mark Borski, Magnetek
This presentation covers the hazards of electrical work and basic approaches to working safety along with recognizing electrical hazards. This course centers on safety fundamentals. The information will prepare you for additional safety training. The objective is to gain a basic understanding for evaluating, recognizing and controller hazards.

Bio: Borski is the New Product Development Manager with Magnetek Elevator.

Elevator & Escalator Inspection/Testing Techniques (1.0 hours)
Speaker: Sheila Swett, Swett Corp.
The presentation will show proper testing and inspection techniques. The information is relevant for elevator mechanics, installers, inspectors, and manufacturers. Ms. Swett will share what the elevator inspector expects of the technician, the tools the technician needs. The session will relate Best Methods and practices for proper ASME required tests. Additionally, the one-hour presentation will cover the safety aspects expected.

Bio: Sheila Swett has been in the elevator industry over 30 years. She started with Dover elevator in the early 80's in new equipment layout. She left Dover as lead mechanical modernization engineer in the mid 90s to start an elevator consulting company with emphasis and assistance in elevator modernization design. She currently owns Elevator Technical Services, an inspection company in Houston, TX and Swett & Associates her original consulting company. Ms. Swett is the president of the International Association of Elevator Consultants, a licensed inspector in numerous states, a licensed general contractor in Tennessee, a QEC (Qualified Elevator Consultant), a participant in the ASME code subcommittees as well as the NEII standard committee.
Elevator Lighting/Ceiling Materials (0.5 hours)
Speaker: Walter Barnes, ECI
Mr. Barnes' session will cover elevator lighting, ceiling materials and the Code implications of both. Lighting and the control thereof is most often overlooked and the consequences can be costly. He will share pointers to make you aware of the importance of proper light levels, the code and your subsequent liability.

Bio: Walter Barnes is the President and Chief Operating Officer; co-founder of the ECI family of companies.

ELVI Testing without Weights (1.0 hours)
Speaker: Kevin Heling, Wurtec
This session will explain and provide examples of performing category 5 testing without the use of weight carts.

Bio: Kevin Heling joined Wurtec Elevator Products and Services in September of 2012, responsible for Business Development as well as new product introduction and support. Kevin has worked for elevator component suppliers and has actively supported the elevator industry for over 28 years. Wurtec has a special focus on installation and service tools. Kevin has a strong interest in technically-based products. Past experience for Kevin includes elevator ropes (hoist/traction, governor and compensation applications), electrical cables and wiring (traveling and flexible/stationary cables) and related electrical installation components, as well as some interest in following and understanding industry code requirements. In the past 10 years Kevin has given product and training presentations at NAESA and NAEC functions and directly for elevator companies in the US, Canada and Mexico.

Employee Improvement Program Impacts Products, Customer Service and Profits (0.5 hours)
Speaker: Mike Klehr, MEI
The presentation will give a look at how MEI's Improvement Program, combined with field site audits will drive product development that is focused on increasing efficiency and profits for the elevator contractor. You will gain an understanding of how improvements to products can affect the total installation cost, resulting in a more competitive proposal.

Bio: Michael Klehr, Vice President of Sales and Marketing of Minnesota Elevator, Inc. in Mankota, Minnesota. Klehr has been involved in the elevator industry for twenty-two years and a member of NAEC for a total of twenty-two years. Klehr began his career in the field as a helper then moved to mechanic. His industry experiences span a range of positions that include managing MEI's Product & Technical Support Departments and involvement with MEI's Quality & Sales Department. Klehr has an associate degree in electronics from Northwestern Electronics Institute. He has also completed the NEIEP and passed the mechanic's exam, CET Grandparent test, and has an Elevator Constructors Electrician's License.

Fall Protection (1.0 hours)
Speakers: - Chuck Sharp, VP - D-C Elevator
David Smarte, Director of Safety & Education - Delaware Elevator
This Session will give you insight on Fall Protection, False Cars, Ladders and other safety issues facing technicians in the workplace.

Bios: Chuck Sharp is Vice President of D-C Elevator and longtime NAEC Education Committee member. He is currently serving as Education Committee Vice Chair.

David Smarte is Director of Safety & Education for Delaware Elevator. Mr. Smarte currently serves as an NAEC Board Member and Secretary for the Association. He is also Chair of the NAEC Education & Technical Advisory Committee.

Fiber Optic Cables – Overview Application and Hands on Review (1.0 hours)
Speaker: Richard Taylor, Draka
The Session will explain what fiber optic cables are, how they work and how they fit into the elevator industry. We will explain how fiber is used in place of CAT5 or CAT6 cables and a comparison of the two. We will give an explanation of how electrical signals can be transmitted via light and the conversion between the two signals. Different termination styles and connectors will be discussed giving the pros and cons of each. Finally we will give a demonstration of how simple fusion splicing is, the tools needed and allow a couple of volunteers to make terminations.
Bio: Richard Taylor is the Applications Engineer for Draka Elevator Products and has been with the company 14 years. He has worked in the Maintenance Group within the manufacturing facility for 10 of those years before being promoted to his current position. Richard got his start in electronics and troubleshooting as an Aerospace Radar Technician in the U.S. Air Force. He works with maintenance, modernization and installation groups to assist with installation of products supplied by Draka Elevator Products. He also provides support with product research and development, and troubleshooting. He also has the ability to train others in fusion splice termination of fiber optic cables.

Hand and Power Tool Safety (0.5 hours)
Speakers: Mark Lee & Guy Gioino, Hub International
This session will discuss the different hand and power tools and how to protect yourself when using them. This will include personal protective equipment, what to use to protect employees around you, and other administrative or engineering controls for tool safety. The course will also include how to inspect tools, the protocol of what to do with a defective tool, and how to recognize unsafe conditions. Participants will gain knowledge of OSHA standards, learn to identify hazards and be able to recognize corrective actions for those hazards.

Bios: Mark Lee is a graduate of Indiana University in Bloomington, Indiana with a degree in Safety Science and a minor in Environmental Management. He is currently serving as an Associate Risk Consultant for the Risk Services Division. He acts as a shared resource for both the Northeast Region and the New England Region. Throughout his college career, he was active in the safety community, becoming a member of both the American Society of Safety Engineers and the American Industrial Hygiene Association. Mark also completed an internship with a safety consulting company based out of Indianapolis. While working there, Mark gained good experience in the construction industry, as well as some experience in a general industry setting. Guy Gioino brings 15 years of experience in the safety and risk consulting field to HUB International, currently serving as a Vice President and Risk Services Leader for the Risk Services Team servicing the Eastern Region. In his career, Mr. Gioino has held various positions within the Environmental, Health and Safety and Risk Management profession in a variety of industries, including 5+ years as Corporate Manager, Safety and Health for a primary market leader in the paint and coatings industry. Mr. Gioino holds a Certified Hazardous Materials Manager (CHMM) designation, an Associate of Risk Management (ARM) designation, and is currently pursuing the Certified Fire Protection Specialist (CFPS). He holds a Bachelor's of Arts degree in Biology from Rutgers University and a Master's of Science in Environmental Science from the New Jersey Institute of Technology. Guy is National Member for both the American Society of Safety Engineers (ASSE) as the Alliance of Hazardous Materials Professionals (AHMP).

How to Adjust Rope Tension & Shackles (1.0 hours)
Speaker: Ray Miller, Draka
The presentation will cover the typical products required for installing and changing-out wire ropes on both Commercial and Residential elevator equipment. We will discuss the ropes, the shackles, and some of the tools available to today's elevator technician that enable him or her to properly install and adjust wire ropes to ensure both safe and code compliant performance. The session will also cover the impact of proper installation and service over time, such as lubrication, on rope wear and tear and longevity.

Bio: Ray Miller is currently the West Coast Sales & Operations Manager for Draka Elevator Products and has been with the company since 2009. Ray began his elevator career at SEES Inc. in South Florida where he was raised. He has a BS in Business Administration and minor in Psychology from Florida State University and is continuing his studies at Bocconi University in Milan, Italy with a Prysmian Group backed program. Mr. Miller is active in the elevator industry and is currently the President of the Elevator Industry Group of Southern California, and was previously the Secretary. Ray is also on the inaugural Board of the NAEC's NexGen committee.

Improving Hydraulic Elevator Performance with a Leveling System Upgrade (0.5 hours)
Speaker: Steven Romnes, Vertitron
The session will look at how levelling times vary with changes in load and system temperature. How reducing the leveling time saves energy, floor to floor time, and improves performance. You will learn how to adjust hydraulic elevators to get the best performance by utilizing speed, velocity and temperature feedback.

Bio: Mr. Romnes is the Owner / President of Vertitron Midwest, Inc. EXPERIENCE: Elevator Mechanic - Minnesota Elevator, Inc 1983-1995 Started working as an elevator helper in construction and service and became an IUEC Mechanic in 1986. Continued to work as a construction mechanic and also performed maintenance and weekend standby for a number of years. Sales Manager - Vertitron Midwest, Inc. 1996-2006 Worked as national
sales representative - developed new customers by bringing unique control solutions for their needs. Increased sales over 100% in the first 3 years. President - Vertitrion Midwest, Inc. 2007-Present Enhance products through innovative ideas and developed a relationship with contract manufacturing engineering firm to facilitate the development of a new control product line. Continue to present VMi's products nationally and released the first elevator app for the iPhone giving people the ability to call the elevator from their phone.

Introducing & Installing the Rope Gripper and Various Training Procedures (1.0 hours)
Installation guide and various training procedures provided by Hollister Whitney. Online exam.

Job Hazard Assessment - A Plan for Work Safety (1.0 hours)
Speaker: Lee Rigby, Vertical Assessment Associates
This discussion will cover why a job hazard assessment is needed, how to develop one, and a job hazard assessment will be developed for a scope of elevator work chosen by participants. Rigby has over 40 years in elevator industry including installation, repair, maintenance, sales, inspection, consulting, and expert witnessing. A former Engineer III for the Florida Bureau of Elevator Safety. Currently, he is President of Vertical Assessment Associates, Elevator Safety and Technical Services (ESTS). ESTS provides training for facilities personnel in elevator emergency operations and/or escalator startup, as well as providing continuing education for licensed elevator technicians and QEI certified inspectors.

Bio: Rigby has over 40 years in elevator industry including installation, repair, maintenance, sales, inspection, consulting, and expert witnessing. A former Engineer III for the Florida Bureau of Elevator Safety. Currently, he is President of Vertical Assessment Associates, Elevator Safety and Technical Services (ESTS). ESTS provides training for facilities personnel in elevator emergency operations and/or escalator startup, as well as providing continuing education for licensed elevator technicians and QEI certified inspectors.

Lightweight Stone Panel Systems for Elevators (1.0 hours)
Speaker: Omar Pineda, Stoneworks of Art
This session will teach the basics of designing with lightweight natural stone materials including uses, benefits, fabrication procedures, technical requirements, testing certifications and installation methods. There will be a discussion on appropriate applications, installation techniques, compliance and requirements of ASTM for the category of lightweight natural stone panels.

Bio: Mr. Omar Pineda, is General Manager of Stoneworks of Art, Miami. He received his Bachelors degree in International Business and Masters Degree in Finance from Florida International University. Mr. Pineda has 18 years of experience in the marble manufacturing business, early on as a line employee and for the past 10 years in a management capacity. He has worked closely with upper management in the development of the processes and procedures for the manufacturing of lightweight natural stone materials under the brand name of Trimstone. Also, he established training policies and manuals for in-house and outside architectural sales representatives and travels extensively to instruct sales personal in the intricacies of lightweight natural stone. Mr. Pineda works on a daily basis with those in design fields including architects, interior designers, contractors, engineers and elevator and yacht professionals. Most recently he has been spearheading product testing efforts for Stoneworks and working on the company NOA. Mr. Pineda is an American Institute of Architects qualified Continuing Education instructor under the credit designation of LU/HSW.

Load & Temperature Compensation Method for Green Hydraulic Lifts by Means of Inverters (1.0 hours)
Speaker: Dr. Ferhat Celik, Blain Hydraulics
Use of inverters in hydraulic lifts has decreased energy consumption, allowed smaller motor sizes and provided good ride performance for heavily used lifts. Though the general trend in the industry toward lifts with lower energy requirements, use of hydraulic lifts with inverters has not found enough appeal yet. This is because existing solutions are generally more demanding, rather costly, and requires high level of expertise to maintain. An energy efficient solution is not necessarily the cost-effective solution. A successful advanced hydraulic solution not only offers good ride-quality, but easy installation and maintainability, high reliability and acceptable cost. In short, high-tech solutions should not lower advantages of hydraulic elevators.

Bio: Dr. Ferhat Celik received his BSc degree from Istanbul Technical University and later obtained his MSc and PhD degrees from University of Manchester. He worked for Istanbul University as an Assistant Professor for 6 years before joining Blain Hydraulics, where he acts as the International Coordinator and is also in charge of R &
D of Electronic valves. Dr. Celik is a member of the committees in ELA and AYSAD, and a member of Consulting Committee of Asansor Dünüyası.

**Lubrication & Elevator Ropes: Myths, Half-Truths and Lies (1.0 hours)**

Speaker: Martin Rhiner, Brugg Wire Rope, LLC

A discussion on rope lubrication's critical impact on rope life and good system performance. Targeted to novice and experienced professional alike, this presentation will refute old misconceptions concerning rope lubrication and application, and provide facts that detail its increased relevance in today's more demanding elevator systems.

The presentation will cover:
1. How lubricant is an essential component in hoist rope design
2. How lubricant retards moisture's impact on rope life.
4. What to look for in a good rope lubricant.
5. Common lubrication application techniques and newer forms.

**Bio:** Martin Rhiner is the Vice President of Engineering and Quality at Brugg Wire Rope. He has over 20 years' experience dedicated towards improving industrial product and processes quality standards. Prior to his present management position, Rhiner worked with Suhner Manufacturing in a variety of fields including Quality Management, Product Management, Manufacturing and Research and Development. He started as Design and Manufacturing Engineer at Synthes USA in field of orthopedic implants. Rhiner has fulfilled 4-year Swiss apprenticeship program and received certification as toolmaker and also graduated with BS in Mechanical Engineering from Brown Boveri (now called ABB) and achieved MBA from Berry College (Rome, GA). The following are contributions to professional papers: Co-contributor to Elevator World peer review white papers; Understanding Elevator Rope Performance, Endurance & Longevity (April 2009), Understanding Traction Hoist Ropes in Today's Elevator Installations (April 2008), and Elevator Hoisting: Maximizing Performance of Ropes in Existing and Improved High-Demand Installations (July 2007). Rhiner's most recent accomplishment is the principal coordinator and leader of Brugg RLP (Rope Life Predictor) online application. This program utilizes the formulas of Prof. Dr. Klaus Feyrer (University of Stuttgart) in order to create a program that helps professionals more efficiently and cost-effectively predict hoist rope life expectancy.

**Materials and Technology in Elevator Cab Interiors (1.0 hours)**

Speaker: Evan Epstein | Director of Business Development, SnapCab

This seminar will give a history of cab interiors, outlining systems, including Z-clips, brackets/channels, interlocking panels and materials. Fire rating will be reviewed as well as materials that meet fire rating requirements. Handrails, lighting and ventilation will all be addressed along with Leed Materials and technology for the future, to include active and interactive interiors.

**Bio:** Evan Epstein is currently the Director of Business Development/ Senior Interior Specialist for SnapCab. His responsibilities include large projects and Key/National accounts. He further assists in bringing new products and technology to market. Mr. Epstein previously owned and operated a custom cabinetry business for 9 years. He is a graduate of Syracuse University and attended Weidner Law.

**Mechanical and Electrical Adjustment of MOVFR Door Operators (0.5 hours)**

Speaker: Tony Glick, GAL Mfg.

Learn everything GAL knows about set up and adjustment of the MOVFR Door Operator. Positioning, wiring, mechanical adjustment, and parameter adjustment will be thoroughly explained. Tony is Supervisor of Mechanical R&D, Door Equipment Engineering for GAL Manufacturing

**BIO:** Mr. Glick is Supervisor of the Mechanical Research and Development Department and the Door Equipment Engineering Department at G.A.L. Manufacturing. Tony has four years of experience working at G.A.L. under this role. Tony also provides training to customers’ onsite and at regional education seminars.

**Moisture Means Death for Hoist Ropes (1.5 hours)**

Speaker: Martin Rhiner, Brugg Lifting

An engaging presentation tailored to industry novice and experienced elevator professional. The program will discuss the basic differences between various rope core designs and explain how the introduction of moisture into the hoist way environment can dramatically shorten rope life. In addition, the presenter will discuss how moisture is absorbed into the rope, review common onsite hoist rope storage errors, detail how to and why lubrication is of only limited effectiveness after moisture is introduced into the work environment.
Bio: Martin Rhiner is vice president of Engineering and Quality for Brugg Wire Rope, LLC. For more than two decades he has focused on improving industrial product and processes quality standards. During his tenure with Brugg Lifting he has worked in Quality Management, Product Management, Manufacturing and R&D. Rhiner completed a four-year apprenticeship program in Switzerland and received certification as a toolmaker. He graduated with a BS in Mechanical Engineering from Brown Boveri (now ABB) and has since earned an MBA from Berry College in Rome, GA. While at Brugg Lifting he has served as principal coordinator and leader for the Brugg Rome Life Predictor online application. Rhiner is a current member of the American Society of Mechanical Engineers and a committee member of the Suspension Means Task Group.

MRL Market (1.0 hours)
Speaker: Travis Hall, Alliance Elevator Solutions
This course offers a clear overview of how an Independent Elevator Company can fit in the existing MRL market. The course will also entail solutions available to the Independent Contractor and step-by-step instruction on how to bid, install and service the various MRL equipment available to them.

Bio: Travis Hall has spent most of his career working in or around global manufacturing companies, either in the heavy equipment or elevator industry, so it is a bit ironic that he now manages a small independently owned elevator company, Alliance Elevator Solutions, in Mercersburg, PA. His travels throughout United States and few spots in Europe early in his career, gave him a true appreciation for those global entities that have balanced North American ingenuity, European process with an ever so increasing global demand. Mr. Hall has a Bachelor of Science, Business Management/Marketing from Bellevue University and a Masters of Business Administration from Pennsylvania State University.

MRL vs. Overhead Traction (1.0 hours)
Speaker: Emery Thran, Motion Control Engineering, Inc.
This seminar will offer a comparison of new construction design, advantages and disadvantages that we are faced with today. How will this impact future maintenance and repairs long term? A17.1 vertical and horizontal design considerations, efficiency gained using today’s machine technologies.

Bio: Emery Thran began his elevator career at Motion Control Engineering, Inc. (MCE) in 1995. His professional elevator background includes extensive experience in modernization, new construction and elevator components. Prior to the start of his elevator career, he managed portions of large commercial building contracts working for general contracting companies. For the past 6 years, Emery has managed MCE’s North American elevator programs, including MRL and overhead traction elevator product lines. He’s involved and oversees every aspect of the design, development, and manufacturing of MCE’s entire Freedom® Elevator product line which is emerging as one of the elevator industries most respected and well thought out complete elevator products, providing end users the Freedom to Choose™ installers and full maintenance service providers without proprietary constraints.

One; Three; and Five Year Tests of A18.1 Equipment - How to Conduct Them and by Whom (1.0 hours)
Speaker: Lee Rigby, Vertical Assessment Associates
This presentation will cover ASME A18.1, Section 10.3, which addresses periodic inspection and test requirements for lifts within the scope of A18.1. Various types of suspension and supporting means for lifts, and the types of safeties commonly used, along with the means of application will be covered. Methods of performing all required periodic tests will be the focus for this session.

Bio: Rigby has over 40 years in elevator industry including installation, repair, maintenance, sales, inspection, consulting, and expert witnessing. A former Engineer III for the Florida Bureau of Elevator Safety. Currently, he is President of Vertical Assessment Associates, Elevator Safety and Technical Services (ESTS). ESTS provides training for facilities personnel in elevator emergency operations and/or escalator startup, as well as providing continuing education for licensed elevator technicians and QEI certified inspectors.
Platform Lift Design: Top 10 Code Issues (1.0 hours)
Speaker: Doug Boydston, HandiLift
The wonderful world of codes and standards. What could be more exciting? ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts is the best book around. We will review recent changes and also talk about what is coming up in the next edition of the standard. We will spend most of the time talking about common code and design issues that come up when architects look to specify a vertical or inclined platform lift for their project.

Bio: Mr. Boydston founded Handi-Lift, Inc. with his parents in 1975 and has 30+ years’ experience in the accessibility contracting field. He became President of Handi-Lift in 1990. Handi-Lift’s core business and highest competency is in vertical and inclined platform lifts for use in public buildings. Handi-Lift also does stairway chairlifts, home elevators, limited use limited application (LULA) elevators and B20.1 material lifts as well as dumbwaiters.

Mr. Boydston works tirelessly to promote quality products and proper applications of commercial platform lifts so that the needs of the end user are kept in mind throughout the commercial contracting process. Boydston has extensive experience working with architects and engineers to design custom platform lifts to better serve those with mobility impairments. Handi-Lift has won Elevator World design awards for work at numerous public buildings Mr. Boydston is a Past President of NAEC (National Association of Elevator Contractors), a member of AEMA (Accessibility Equipment Manufacturers Association). He is past chairman of the Accessibility Committee of NAEC and has been a featured speaker at NAEC conventions. He has spoken to NYS building officials and his program was certified for continuing education credits. He is active in codes at the local, State and National levels and is Chair of the main committee of the ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. He is also a member of the ASME Board of Safety Codes and Standards. He is a member of NYC Mayor’s Committee to recommend adoption of IBC Accessibility Standards. He is a corporate member of the Elevator Conference of New York (ECNY) and a member Elevator Safety Inspectors Association of NJ (ESIANJ).

Principles of ITI Inground Telescopic Cylinder (0.5 hours)
Speakers: Simon Proulx-Croteau/Brent Streett, ITI Hydraulik USA
This session will share the principles of operation + specifications + advantages + installation. You will become familiarized with this very specific product that is often ignored by the majority of elevator companies.

Bio: Brent Streett, Graduated from Francis Marion University in Florence, SC in May 2005 with a Bachelor’s of Science degree in Business Economics with Minors in Physics and Mathematics. Hired at ITI Hydraulik USA Inc. in September 2010 as Technical Coordinator and Promoted to Operations Manager in January 2013
Simon Proulx-Croteau, Graduated from École de technologie supérieure – Université du Québec, in August 2010, with a bachelor’s degree in mechanical engineering, hired at ITI Hydraulik in August 2010 as a Mechanical Designer, promoted to Engineering Manager in December 2011.

Running Clearances 101 (1.0 hours)
Speaker: Patrick Edwards, Integrity Elevator
This presentation will cover the myriad safety standards as they pertain to the required running clearances for home elevators, dumbwaiters, vertical platform lifts, incline platform lifts and stairway lifts. The discussion will include information on new clearance rules (i.e. side clearance on VPL’s) and how each clearance was derived and codified. There will be an opportunity to discuss ideas for changes to the national standards for clearances that do not seem to fit the need of a given device. i.e. current standards allow a 1.5 gap between the landing floor edge and a residence elevator floor. Is that too much space?

Bio: Patrick Edwards has 24 years of industry experience including being a part of the Cheney and Access Industries management prior to founding Integrity Home Lifts, a family business in 1999. Headquartered in Lindenhurst, IL, Integrity has grown in size, stature and reputation into one of America’s premier home and commercial access provider companies. They represent only the leading manufacturers of lift and elevator equipment available today. Integrity has offices serving Illinois, Wisconsin, Arizona and Colorado. Edwards currently serves as the NAEC Accessibility & Residential Committee Chair.
Safe Elevator Operation with Serial I/O (1.0 hours)
Speaker: Tom Reamsnyder, Virginia Controls
Serial I/O control methods applied to elevator operation have the ability to simplify and speed elevator installation. Done correctly, these methods can meet the expectations of the public and our industry for elevator safety and reliability. This presentation seeks to identify some of the boundaries contained in the elevator safety code and some of the limits within the technology itself, that the elevator specialist may encounter in the application of Serial I/O.

Bio: Tom Reamsnyder is the Manager of Product Development for Virginia Controls. After receiving a BSEE Degree from the University of Toledo, Tom began his career with Schindler-Haughton Elevator in 1982 to assist in the release of their new Miconic V controller. He joined Virginia Controls in 1987, where he has spent 27 years designing controllers applying all types of DC & AC drives. Most recently he has been involved in the release of Virginia Controls’ new serial linked controller.

Sealing Management for Hydraulic Cylinders (1.0 hours)
Speakers: Tony Valdez, Gina Valdez, Wallace Wheeler, The Texacone Company
Focusing on the many elements that have a direct influence on the operation of seals and sealing components. Attendees will learn how to optimize seal performance.

Bios:
Tony Valdez has been involved in the sealing industry for 34 years. He is a member of numerous sealing organizations throughout the industry and brings that experience to Texacone as outside sales.

Gina W. Valdez, President, graduated as a Mechanical Engineer from Texas A & M University and received a MBA from the University of Dallas. She has served as a board member of the International Sealing Distribution Association and currently sits on the board for NAEC.

Wallace T. Wheeler, Vice President, graduated as an Engineer from Southern Methodist University and has obtained several patents for seal design and other product innovations. They have both served the industry for over 30 years.

Suspension Rope Dynamics (1.0 hours)
Speaker: Kevin Heling, Wurtec
This course is designed to teach the participant to become more familiar with the overall design, operation, adjusting and troubleshooting of suspension ropes, rope tools, and rope monitoring devices. You will learn when to use high performance steel core hoist rope, Pass/fail criteria of hoist ropes Load weighing from suspension ropes, Proper balancing of suspension ropes and Load weighing from suspension ropes.

Bio: Kevin Heling joined Wurtec Elevator Products and Services in September of 2012, responsible for Business Development as well as new product introduction and support. Kevin has worked for elevator component suppliers and has actively supported the elevator industry for over 28 years. Wurtec has a special focus on installation and service tools. Kevin has a strong interest in technically-based products. Past experience for Kevin includes elevator ropes (hoist/traction, governor and compensation applications), electrical cables and wiring (traveling and flexible/stationary cables) and related electrical installation components, as well as some interest in following and understanding industry code requirements. In the past 10 years Kevin has given product and training presentations at NAESA and NAEC functions and directly for elevator companies in the US, Canada and Mexico.
Technology, Functionality and Operations of the Controller line - Element Traction™ and Element Hydro™ (1.0 hours)

Speaker: Michael Poon, Director of Technical Services, Motion Control Engineering (MCE)

The training will cover the following items: review of the major functional blocks of the system; proper start-up procedures; how to connect temporary wires for construction operation; drive tuning and soft start setup; accessing controller and drive parameters; reading wiring diagrams; and the installation of landing systems for this product. It will also address design for compliance to the latest ASME A17.1 code requirements. A power point presentation, along with videos and pictures, will be used to demonstrate various installation and maintenance tasks, e.g., floor height adjustments, troubleshooting, and field adjustments to peripheral inputs and outputs. This presentation will also run through a typical acceptance inspection.

Bio: Michael Poon is the Director of Technical Services for California-based Motion Control Engineering (MCE). Michael oversees all aspects of Technical Support, Customer Service, Modifications and Field Operations. Prior to this position, Michael was a Senior Engineer in Research and Development for MCE. He has been with MCE for over 16 years. Michael holds a BS in Computer Science from National University as well as a BS in Mechanical Engineering from University of California, Davis.

The 5 Step Guide to the 70 Hour Hydraulic Installation (1.0 hours)

Speaker: Travis Hall, General Mgr., Alliance Elevator Solutions

This course offers a clear overview of a proven 5 step process on how to install a 2 stop hydraulic elevator in less than 70 hours. The course will entail detail step-by-step instruction throughout the 7 day process, outstanding course for both management and mechanics. The presentation will Introduce the mechanic and the management to a 5 step process which include; Commit, Align, Document, Execute, and Measure. These new methodologies, focus on Pre-Start requirements, Setting expectations, Jobsite Checklist, Tool Management, On-Site, Logistics and Print Interpretation.

Bio: Travis Hall has spent most of his career working in or around global manufacturing companies, either in the heavy equipment or elevator industry, so it is a bit ironic that he now manages a small independently owned elevator company, Alliance Elevator Solutions, in Mercersburg, PA. His travels throughout United States and few spots in Europe early in his career, gave him a true appreciation for those global entities that have balanced North American ingenuity, European process with an ever so increasing global demand. Mr. Hall has a Bachelor of Science, Business Management/Marketing from Bellevue University and a Masters of Business Administration from Pennsylvania State University.

The Evolution of Elevator Control Systems (1.0 hours)

Speaker: Ron Ishimoto, Elevator Controls Corp.

The presentation outlines the evolution of both control systems and landing systems and how the technology and equipment have changed over the years, what inspired these changes and how these changes have influenced today’s systems.

Bio: Ron Ishimoto is the Director of Operations at Elevator Controls Corporation. Ishimoto has been with Elevator Controls since May 2008. He has a BS in Electrical Engineering in California State University-Sacramento.

The Fan Club (1.0 hours)

Speaker: Brandon Mandy, Man-D-Tec

This presentation will discuss the Codes, Types of fans, calculating air exchanges and will in general provide a better understanding of ventilation codes. This includes Emergency Codes, and goes in depth with regard to Ventilation, Fan Types, and Powering Fans in Emergency Situations. It also includes brief code requirements and options for Lighting and for Communication functions (for a broader coverage of emergency situations in elevators).

Bio: Brandon R. Mandy, MBA, Vice President of Man-D-Tec, Inc., Bachelor’s Degree from Arizona State University, Master’s Degree of Business Administration from Arizona State University, Inventor with 4 patents for elevator products.

The World is Flat...ETP vs. ETT traveling Cables (1.0 hours)

Speaker: Steve Smith, Turtle & Hughes

There is worldwide use of ETP (flat) traveling cables with a growing use in the US. There are reasons why this product has been around for 40+ years. We will discuss how to suspend flat cables in hydro and traction applications; why multiple flat cables are easier to install than round cables, How to strip flat cables to reveal conductors, steel members and install with smaller loops Additionally, we will review the correct selection of flat cables to insure a safe application while reducing issues related to EMI (electro-magnetic interference).
Bio: Stephen Smith started in the elevator industry in the mid 1970's with Republic Wire & Cable, eventually Siecor, (now Draka/Prysmian) where he wrote the spec for type ETT traveling cables for Canadian Standards; Was hired in January 2012 to oversee the startup of the newly created elevator division of the 90 year old Turtle & Hughes, Inc. T&H is a leading national distributor of electrical products to a host of industries and contractors. Steve is responsible for all sales and marketing and the development of elevator related products, nationally. Turtle is a great vehicle postured to address the growing demand for quality elevator products, says Smith. He regularly calls upon his credentials gained at AFD Industries during the decade of the 1980's, where he rose to the level of VP of guide rail Sales having added Drako wire rope to the product offerings. As VP and Director of Datwyler Cables US in the 1990's, he introduced the US Elevator market to Type ETP (flat) traveling cables. He spent some time as Manager of Marketing Outreach for the Brick Industry Association attaining the title of Certified Brick Specialist providing AIA approved Continuing Education credits to 81 architectural firms each year on the subject of clay masonry (brick).

Use of False Cars for Rail Installation (0.5 hours)
Speaker: Mark Drake, Wurtec
This presentation will provide attendees an overview on the procedure of the false care approach to installing rails with a focus on the features, benefits, and safety aspects of the methodology.

Bio: Mark Drake has been an industrial sales engineer for over 30 years in various industries throughout the US, Canada, and Mexico. Mark started working with Wurtec eight years ago and began by servicing the OEM branch level and large independents in the US and Canada. He was responsible for specifying, selling, and providing field support for all Wurtec equipment. Recently Mark has taken on the responsibility as a sales engineer for all Major OEM's corporate headquarters, tooling centers, and Engineering facilities. This requires direct involvement with the OEM engineering, Installation, Mod and Safety groups to develop and design the items they require for the 21 century.

Vertical Wheelchair Lifts & Limited Use / Limited Application Elevators, - AIA approved course (1.0 hours)
Speakers: Steven Roth & Paul Farsworth, Elevator Service Company, Inc
This course offers a definitive overview of the components of the vertical wheelchair lift. The session will provide insight on benefits, specifications and features of the varying types. Technical insight and safety features will be covered, along with best practices and applications of the product and the codes that govern it. Additionally, the LULA benefits, safety features and technical aspects will be covered. The session includes machine room requirements, right/left handed entrance requirements, 3 stop requirements and rail backing and elevation requirements. The session will identify and explain the differences and simplicities between ADA and ASME as it applies to Accessibility Conveyances.

Bios: Steven Roth is a seasoned professional with an exceptional career in Project Management, Project Administration, and is well recognized in the Vertical Transportation Industry. Steven has been a respected Professional Member of the National Association of Elevator Contractors (NAEC), since 1992. Steven has a long list of professional accomplishments including most recently:
President – Elevator Service Co., Inc. (2000 to Present)
Former President - Handi-Lift Connecticut, Inc
Licensed Elevator Contractor (RI License No. 21), ACE Mentor Program Sponsor/Award Recipient
Yale University (Fifteen Years) - Project/Construction Management Administration
Chairman, State of Connecticut, Elevator Licensing and Examining Board
Founding Board Member – National Association of Elevator Contractors (NAEC) – Certified Elevator Technician (CET) Program
2003 - State of Connecticut - Public Service Award Recipient

Paul Farnsworth, a fourth generation elevator contractor, having over thirty years experience in the elevator industry. His career began with Eastern Elevator Company, a firm founded by his great grandfather in 1895. Paul's outstanding accomplishments include:
Vice President – Elevator Service Co., Inc. (2000 to Present)
Former Vice-President - Handi-Lift Connecticut, Inc.
Licensed Elevator Contractor (CT License No. ELV. 400105 R1)
Recognition by ASME and BOCA as a Certified Elevator Inspector (QE1)
Member and Past Chairman of the State Elevator Licensing Board
Past President of the Manufacturers Association of New Haven County
National Association of Elevator Contractors Certified Elevator Technician Supervisor CET-S

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Watts Up with Cab Lighting (1.0 hours)
Speakers: -- Brandon Mandy & Terry Mandy, Man-D-Tec
The presentation will cover the code for cab lighting and the lighting styles available for elevators. A brief history of lighting will be covered and pros and cons of each lighting style will be examined. Myths about lighting will be dispelled, and attendees will gain knowledge about new lighting alternatives such as LEDs and what the numbers mean with regard to lumens, watts, footcandles, lux, color temperature (K) etc.

Bios: Terry R. Mandy - Founder of Man-D-Tec, Inc. in 1987 and current President, Bachelor's Degree from Detroit Institute of Technology, Inventor with more than 10 patents for elevator products. Brandon R. Mandy, MBA, Vice President of Man-D-Tec, Inc., Bachelor's Degree from Arizona State University, Master's Degree of Business Administration from Arizona State University, Inventor with 4 patents for elevator products

What's New with Seismic Requirements in the Elevator Code and What are the Requirements to Control Unintended Motion (0.5 hours)
Speakers: Richard Taylor, Applications Engineer and Eric Lazear, Director of Sales – Draka Elevator
This presentation will be in two parts: What is new with Seismic requirements in the elevator code? The focus will be on code compliance and needed products; additionally, installation methods to comply. The session will explain - Why is Seismic required. What is being detected? What does the elevator do, and not do, during a Seismic event? The second portion of the session will consider What are the requirements to control unintended motion of the elevator? The focus will be on when retrofits are needed to meet code, and what has to be done in the machine room to comply. The presenter will answer the questions of: How do we define code compliance? How do we define Unintended Motion as regards the code? What to do when a new controller is being installed? What to do when an existing controller is being maintained, and a new machine is being installed?

Bios: Richard Taylor is presently an Applications Engineer for Draka Elevator. He has held this position since 2011. Prior to that Richard spent 10-years at Draka working in the Maintenance Group at the company’s main manufacturing plant in NC. Richard gained considerable electrical and electronic training and experience when he served as an Aerospace Radar Technician in the United States Air Force.

Eric Lazear is presently the Director of Sales for Draka Elevator. He has held this position since 2010. Eric began his career in sales at US Elevator in 1979. In 1989, Eric joined Amtech Elevator Services, and became the president in 1997. In 2003, when Amtech was sold to Otis, Eric joined Otis and served as Managing Director until 2009. Eric has a BS Degree in Business Administration (Marketing) from San Diego State University, and a MBA Degree from Portland State University. Eric served as a BOD of both NAEC and NEII.