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“RF Best Management Practices”™

This course is specifically designed to compliment the new RSI online customizable RF safety plan. Participants taking the class, and utilizing a RF plan, will be well on their way to designing and developing an RF Safety Program (RFSP). OSHA requires a comprehensive RF program, to include training. Through RSI's BMP live course, and the easy to formulate customized online RF safety plan, attendees will be armed with the tools necessary to achieve the complete program! This course meets all requirements for RF safety certification; and by attending, participants will be able to immediately begin utilizing the information to develop their programs.

The half day course focuses on FCC and OSHA requirements, as RSI's original Site Safety Awareness® course has done in the past, but it also goes in-depth on third party liability to the general public. This liability is shared by all on site to include the transmitter licensee and the site management organization. The site management group could be a condo association, a school, a church, a building management group, a city or county municipality, or simply an individual but the liability for the general public is the same. This liability is becoming ever so important as the ambient RF environment continues to grow.

RSI uses real world examples and experiences to bring these issues into focus with appropriate work practices for the student's understanding. Radiofrequency Safety International's "RF Best Management Practices"™ training is recommended in order to understand FCC and OSHA requirements and learn how to be safe regarding radiofrequency radiation and other safety issues. Attendees in this class include individuals from OSHA to major carriers and contractors; State and federal municipalities to corporate and individual site management groups. If you can think of a sector within in Telecom, they have probably attended an RSI course.

Topics covered in the new "RF Best Management Practices"™ course are included but not limited to:

- Updated FCC and OSHA Enforcement Actions
- RF Signage and barriers recommendations
- MPE Overview/MPE Math
- Liability issues, both civil and criminal
- Personal Monitors / RF Suits
- RF Health and Safety Outline
- Time average programs when working
- Pass through programs
- Working in Hot RF area programs
- Site owner, equipment owner and Contractor responsibilities
- US Standards and The Law
- Steps to Compliance
- Multi-Employer Workplace
- Medical Implants
- Eye Protection
- Restricted Approach programs
- Updates on state rules
- Using RF suits and other PPE
- Work procedures when using RF monitors

RSI closes registration 21 days prior to any scheduled live training. Registrations may be taken after the 21 day period, dependant upon space availability. If a refund is required **30 or more days before** the scheduled live training class, there will be a **10% cancellation fee**. No refunds will be given less then **30 days before** the class. RSI is not responsible for cancellations. If a class is oversold or cancelled, registrations will be transferred to the next available date in the local area. RSI will not be responsible for any expenses incurred due to cancellation by either party. All payments are due prior to the registration period. Refunds for missed classes will not be given. At RSI's discretion, a credit may be given for the customer to use for another RSI training course. Satisfaction is guaranteed. **Site Safety Awareness must be renewed annually to stay certified in RF Safety.**

Visit www.rfcomply.com or contact us at 888-830-5648 for a current list of seminars. If you are interested in scheduling an RSI training seminar in your area let us know.



RF Train the Trainer™

“Learn Today, Lead Tomorrow!”

RSI's Ultimate RF Tel-Com Contractor Safety Training AKA Train-the-Trainer™ (TTT) course is what your organization needs in order to competently administer policies and train employees in industry specific safety issues and to become informed regarding carrier, Site owners and General Contractors Environmental Health & Safety policies. After completion, this two and a half day course allows the attendee to demonstrate the ability to train employees in a variety of subjects. The training will also supply the attendee with a thorough understanding of the requirements on various safety issues.

We recommend that any Personnel Managers, RF Safety Personnel, Designated Persons*, Site managers, and Supervisors as well as any persons responsible for company safety policies or administration to attend. With all the safety issues facing the telecommunications industry today, your organization cannot afford to be unprepared. This course is a way to ensure YOU are meeting OSHA's requirements. Contractors are responsible for following all carrier and GC policies. Seating is limited so make your reservation today!

This is the only established course that deals directly with telecommunications safety. RSI requires attendance at a “RF Best Management Practices” seminar within the previous 12 months as a prerequisite to this seminar.

In order to maintain an active status, the attendee must attend a live RSI RF BMP course yearly or participate in an RSI BMP TTT Recertification Webinar and attend a live Train the Trainer course every four years. **The “RF Train the Trainer™” course fee is \$1,495 payable in advance. Visit www.rsicorp.com or contact us at 888-830-5648 for a current list of seminars.**

- *RSI will issue a wallet card and framed certificate for the “RF Train the Trainer™” course.*

Topics: *Specific for Telecom Sites*

- Radio Frequency (EME) Radiation Safety Practices
- OSHA Right to Know Concept
- OSHA Policies
- OSHA Site Audits
- Fall Protection
- General Drop Zones
- Compliance Penalties
- Safety Violation Information
- Supervisor's Responsibilities
- Accident Costs
- Hazard Abatement Program
- Record Keeping
- Teaching Skills
- Work Place Procedures
- Lock Out/ Tag Out
- Signage
- Personal Protection Equipment
- Hands on Instruction for RF Monitors
- Hazard Recognition
- Contact & Induced RF Current
- Spatial & Time Averaging
- Chemical & Hazcom
- RF Combustible Explosion
- Fire Protection
- Biological Hazards
- Electrical & Power Safety
- Confined Space Overview

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***Designated person means “authorized person”.** Defined as a person approved (approved means sanctioned, endorsed, accredited, certified or accepted as satisfactory by a duly constituted and nationally recognized authority or agency) or assigned by the employer to perform a specific type of duty or duties or to be at a specific location or locations at the job site.



Partnering today for the solutions of tomorrow

Advanced RF Train the Trainer™

Streamline RF Training for your company with RSI's "Advanced RF Train the Trainer™" course. The half day "intensive" course is devoted to advanced training that not only allows the company to authorize an in-house trainer, but also includes training materials, class customization, individualized teaching techniques and required documentation to meet OSHA's 29 CFR §1910.268 Telecommunications Standards. The curriculum is designed to update training credentials for "RF Train the Trainer™" graduates and give attendees necessary training assistance. This course offers up-to-date regulations, standards and accepted practices. Experienced instructors will demonstrate how to utilize behavioral based training techniques to teach safe work practices. Don't miss the opportunity to take advantage of the top-of-the line training experience!

Successful completion of RSI's "Advanced RF Train the Trainer™" course will entitle students to be an authorized RSI trainer for their company. **Attendees must have attended RSI's "Train the Trainer™" course within the last four years and must stay current with annual live "Best Management Practices™" courses or the RSI TTT Recertification Webinar. Advanced Train the Trainer must be renewed annually in order to stay current as an RSI Outreach Trainer.**

Included in the course fee:

- A Power Point presentation - approx. 70 slides ready for use in your classroom
- Authorization to purchase RF Best Management Practices Workbooks from RSI Corp. office
- Authorization to purchase RSI "RF Best Management Practices™" certification of completion wallet cards through RSI's Outreach Training.
- RSI RF Safety Videos - to promote a multimedia-learning environment
- RSI Informative CD

Call or register online! 888-830-5648 www.rsicorp.com

Course fee is \$995 per student. Authorized RSI Outreach Instructors must renew this course each year and must purchase RSI certification cards for all employees they have trained and wish to issue an RSI card to.

Authorized RSI Outreach Instructors must renew this course each year.

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“Corporate Compliance and Accountability”™

“Lead Today, Prepare for Tomorrow”

A class for executive management only!

RSI “*Corporate Compliance and Accountability*”™ training is recommended for executive management of large corporations including legal council and risk management personnel. As management, it is your duty to understand all policies that have been allocated by your corporation, and ensure those policies are implemented correctly through-out the workforce.

Attendees will be given instruction on preparation and implementation of compliance steps, effective safety procedures and much more. *It is your responsibility to understand corporate policies dealing with worker safety.*

5 great reasons to register for an RSI seminar today:

1. Receive the most current information on recent enforcement actions and how to protect your company from fines.
2. Learn your legal rights under FCC investigation.
3. Participate in individual and open discussion on risk control.
4. RSI offers the only complete program START to FINISH.
5. 100% Satisfaction Guaranteed!

Seminar is recommended for:

- ◆ Executive Management
- ◆ Legal Council
- ◆ Risk Compliance Officers
- ◆ Human Resource Managers

Attend a seminar: 9:00 AM – 1:00 PM

Subjects covered in this course include:

- Liability at RF Sites
- OSHA New Business Model
- Government Agency Obligations
- Multi-Employer Worksite Issues
- OSHA Criminal Liability Requirements
- Employer Responsibility for Workers Claimed Exposure
- Licensee Responsibility for Compliance
- State Run OSHA Plans
- Legal Rights under FCC investigation
- Whistleblower Laws – Employer Obligations
- NEPA Responsibilities
- Sign Posting Requirements
- Incident Investigation Procedures

RSI’s Mission statement is “Safety through Education”.

Enrich your knowledge in RF Safety matters by attending an RSI RF Safety Training program. To register conveniently and easily, please go to:

www.rsicorp.com

Course fee is \$495 per student. Lunch will be catered!RSI

(888) 830-5648

info@rsicorp.com



“Telecom Construction Safety™”

The "[Telecom Construction Safety™](#)" course will provide the attendee with a thorough understanding of the requirements of the various safety issues that OSHA has recently concentrated on in various enforcement actions around the country. This course is meant for all employees that install wireless systems, construct towers, and perform maintenance or any other activities that can take place at telecommunications sites. This course will consist of 8 elements with emphasis on those safety hazards that are common at rooftop or tower communications sites such as:

HAZCOM – Hazard Communications

HAZCOM training covers the most common chemicals that are found at rooftop, tower, and equipment rooms. The material will include how to read a Material Safety Data Sheet (MSDS), understanding labels, and what procedures should be in place for usage, protection, and handling.

Personal Protection Equipment (PPE) & Personal Protection Monitors (PPM)

RF Badges, RF Suits, and other forms of PPE/PPM will be covered. Proper usage, maintenance, and training recommendations will complete the topic.

Lockout/Tagout

Site specific recommendations will be undertaken as to how the Federal Regulations pertain to personnel that must implement proper Lockout/Tagout procedures.

Documentation and Record Keeping

This course covers the proper forms and proper completion that must be accomplished for OSHA compliance. (The new OSHA 300, injury, illness, and summary forms.)

Confined Space Entry (limited)

This limited version of Confined Space procedures covers the methods that reduce the potential hazard before entering a confined workplace.

Fall Protection

Specific to wireless and broadcast sites, this course covers OSHA requirements for proper training and equipment that should be considered before working on any rooftop, tower platform, or walkway.

Electrical Hazards

General electrical safety, grounding, and proper classifications per the National Electrical Code and National Fire Protection Code.

Explosion & Fire Hazards

This core topic contains management practices that should reduce the potential for these hazards.

This course will normally follow our popular 1-day “RF Site Safety Awareness™” seminar in select cities across the United States. Previous attendance to RSI’s “RF Site Safety Awareness™” class is mandatory within 6 months by OSHA to receive an OSHA 10-hour outreach training card. OSHA Requirement 29 CFR §1910.268 mandates training for those who work at telecom sites. See our calendar for specific cities and dates.



Com Tech Fundamentals

One Day Course

This course introduces the student to radio services and supporting technologies. Modules include an overview of radio service as a transmission media, how transmitters and receivers work, an overview of wave propagation and radio antenna systems. The information is introductory in nature and designed for all audiences. It is an excellent pre-requisite to RF Site Safety Awareness™ (SSA) classes.

TRAINING SAVES LIVES!

Let us help you be sure that your employees are properly trained and have access to the most up to date Telecom Issues. RSI is a full service Safety & Technical Training Company committed to helping organizations meet all their Technical & RF Compliance training needs. We offer live, online and custom in-house training.

RSI also performs MPE Studies, Site Assessments & writes Safety Plans.

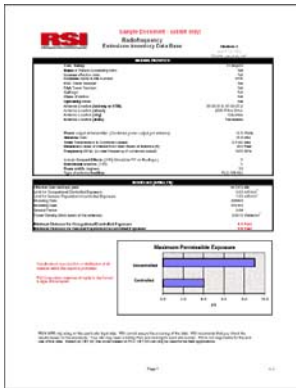
University Based Safety Training
Call 888-830-5648 to reserve a seat!
Or register online at www.rsicorp.com

Access our website for a wealth of information at www.rsicorp.com
Or contact the RSI Office at **888-830-5648**

MPE Modeling

It is an FCC requirement for all transmitters or facilities that the [MPE Modeling](#) be known on new or renewal licenses or when modifications are made at the site. At multiple user sites this information is required under the FCC's 5% compliance rule. The [MPE Modeling](#) document is also an extremely effective tool for use at zoning board meetings, city council meetings or when meeting with concerned citizens groups. Additionally, [MPE Modeling](#) data can also be used as a base of information for Intermodulation Distortion (Intermod) Studies.

It is an FCC requirement for all transmitters or facilities that the MPE Modeling be known on new or renewal licenses or when modifications are made at the site!



RSI's standard Maximum Permissible Exposure (MPE) evaluation can be a useful tool in determining whether a particular site requires further assessment, or if an installation of a transmitting device will cause concerns as to safety at a site.

This evaluation can also be used as part of a site database or inventory. Inventories are desirable at all sites to meet OSHA guidelines as well as to maintain pertinent records for site management. Properly updated and maintained MPE evaluations included in a site inventory can be utilized as part of a complete safety program and hazard analysis.

RSI's standard [Maximum Permissible Exposure \(MPE\) evaluation](#) gives four pages of data per transmit antenna. Most of the information is in the format of tables and charts giving mW/cm² at predetermined distances. The first page of the report gives a snap shot of the FCC modeled Uncontrolled/General Public and Controlled/Occupational distances and what the applicable standards are at the given frequency.

When applicable, a multiple transmitter chart is attached to give the percentage of responsibility for each transmitting antenna.

While RSI's standard MPE evaluation gives you all the basic data required for determining the MPE for your transmitter, you may want to review the [4.1 graphical MPE](#) which gives much more information regarding the regulations and what the data means.

RSI's [MPE 4.1 \(graphical report\)](#) was created due to the demand for a report which a person other than an RF Engineer could read and understand.

This program produces one of the most cost effective compliance solutions available!

Not unlike Material Safety Data Sheets for any hazardous material that exists in the workplace, reports produced by our proprietary software documents the minimum safe distance for your FCC licensed antennas.

People who may be onsite can understand the easy to read graphs, tables and explanations. The report outlines the MPE rules and regulations and gives general safety guidelines for persons who may need to access the site. There is no substitute for having documentation on hand proving you have performed your due diligence.

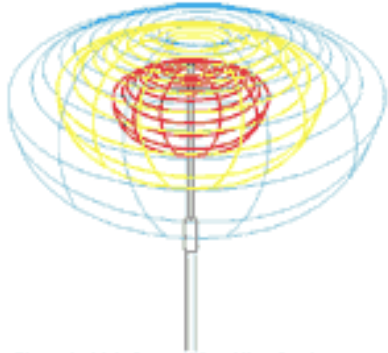
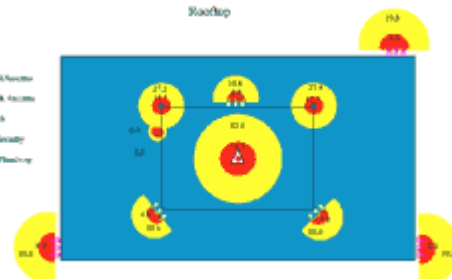


Figure 4 – Main Beam of Omnidirectional Antenna



Visual Explanation of MPE Distances

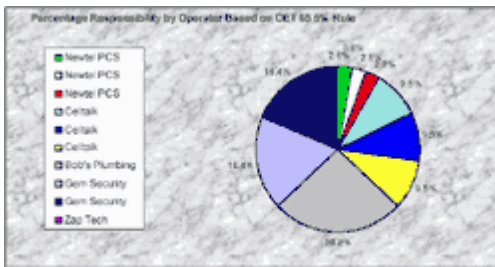
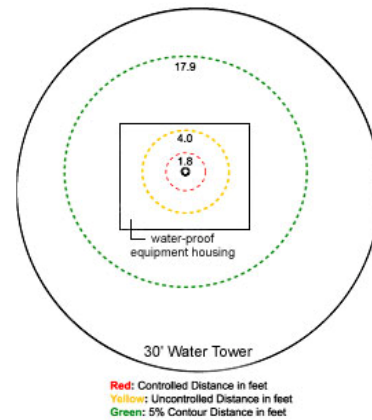


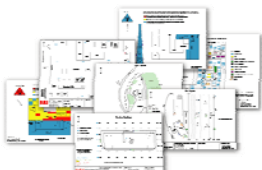
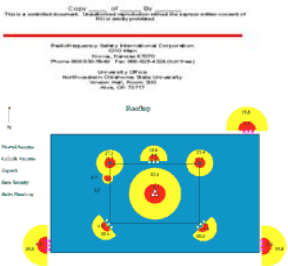
Figure 6 – Percentage of Responsibility

Percentage of Responsibility Chart





RF Hazard Assessment
Nonradiating Sites Only
Sample Document Only



Site Compliance Plus

A Secure Database Tracking System designed to provide you, your clients, your vendors, and your field personnel with up to date RF/FCC/OSHA records on all of your sites. [SC+](#) is not just a database program. It is also a communications system allowing approved personnel access to real time information in the field.

Have a tech going up to one of your sites and need to get a color map of the site's "hot spots" for the employees' safety? Have the tech go to [SC+ online](#) with his or her own User ID and Password and download the information needed prior to accessing the site. It's simple, easy, and affordable. SC+ is great for contractors preparing to work on the site.

Access to the program can be set up on a person by person basis, so **you** control who has access to specific information. You can view all your sites or only one individual site. Perhaps you are co-located or on another site owner's property and would like others to have access to the latest information regarding your system on that site and its relation to RF Hazards. Assign them access to the program so that they can see real time information regarding your systems. Need to get an overview on all your sites? Just log on and take a look at your entire portfolio.



Site Compliance Plus

Innovation and Organization

For more information contact RSI at

888-830-5648

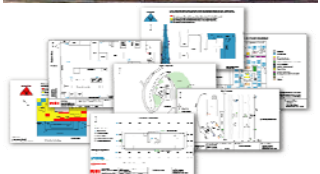
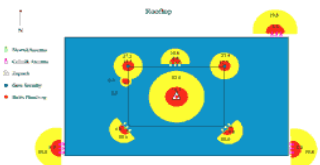
or

info@rsicorp.com



RF Hazard Assessments

888-830-5648 www.rsicorp.com



What is an [RF Hazard Assessment](#)?

An RF hazard assessment is a scientific approach to determine ambient RF levels at a given site.

Who needs an [RF Hazard Assessment](#)? FCC licensees, building managers, site managers, construction companies, anyone who has people exposed to Radio Frequency Emissions.










An RF hazard assessment at an antenna site is very involved and requires the person performing the assessment to be **trained, competent, and qualified to perform the assessment**. The assessor must have some basic knowledge of the site prior to showing up on the site so that the proper equipment is taken to the site. Some equipment may have a limited frequency range, while some may be very directional.

There are several reasons to perform hazard assessments at telecommunications sites. The basic one is to ensure safe conditions for employees or the general public who may be at the site. Another is to have the correct information to be used for training or zoning type meetings. Compliance with FCC and OSHA regulations is another. Compliance with regulations may not always be as easy as it sounds. Being compliant with FCC exposure criteria may not mean that a site is compliant with OSHA and vice versa. The assessor must be familiar with the regulations as well as the intent and interpretations of the regulations.

At **RSI** we use a standard format for our assessment reports which includes the following items:

- An abstract that tells in the first paragraph if the site is compliant with FCC regulations
- Descriptions of the methods and instruments used
- Description of the site
- Maps showing where the site is
- Photographs of the site
- Site renderings, which show in general how the site is laid out and the location and type of antennas
- The RF readings and the inherent deviation factors
- A laminated, color-coded rendering to be used at the site showing RF levels and hot spots according to the standards of the FCC
- Equipment Certifications
- Recommendations for signage (if needed)
- Recommendations for training (if needed)
- Recommendations for mitigating RF hazards (if needed)
- Recommendations for mitigating other hazards (if needed)
- All assessments include a site security review

RSI RF Safety Awareness Signs

Sign Image	RSI Part No.	Descriptions	Quantites	List Prices
	<u>RSI 6401D</u> 11"W x 8 1/2" H Vinyl decal with full self-adhesive back for mounting	These bright yellow signs are designed to remind workers of safe work practices in and around an antenna site. Should be used with one or more RF Awareness signs.	1-49 50-99 100-249	\$24.95 \$21.45 \$19.11
	<u>RSI 6401P</u> 11"W x 8 1/2" H	Same as 6401D but is Non-conductive .055 Polyethylene with rounded corners and holes for mounting.	1-49 50-99 100-249	\$24.95 \$21.45 \$19.11
	<u>RSI 6403</u> 12"W x 18"H <u>RSI 6403.5</u> 8 1/2"W x 11"H	"Notice" sign used to alert personnel they are entering a controlled area where there is a possibility Radio Frequency Emissions fields may exceed exposure standards.	1-49 50-99 100-249 250-499	\$24.95 \$21.45 \$19.11 \$17.94
	<u>RSI 6404</u> 12"W x 18"H	"Caution" sign used to alert personnel they are entering an area where there is a possibility Radio Frequency Emissions fields may exceed uncontrolled exposure limits.	1-49 50-99 100-249 250-499	\$24.95 \$21.45 \$19.11 \$17.94
	<u>RSI 6405</u> 12"W x 18"H	"Warning" sign used to alert personnel they are entering an area where there is a possibility Radio Frequency Emissions fields may exceed controlled exposure limits.	1-49 50-99 100-249 250-499	\$24.95 \$21.45 \$19.11 \$17.94
	<u>RSI 6407</u> 12"W x 18"H	"Warning" signs should be placed at any sites with the potential for induced current, i.e. broadcasting sites or industrial facilities with RF heating equipment.	1-49 50-99 100-249 250-499	\$24.95 \$21.45 \$19.11 \$17.94
	<u>RSI 6412.5</u> 8 1/2"W x 11"H <u>RSI 6412</u> 12"W x 18"H	"Notice" sign used to alert personnel that anyone climbing the structure must be competent and certified. OSHA requires being tied off for structures over six feet in height.	1-49 50-99 100-249 250-499	\$24.95 \$21.45 \$19.11 \$17.94
	<u>RSI 6418</u> 12"W x 18"H	"Warning" sign used to alert personnel they are entering an area where there is a possible Radio Frequency Emissions fields may exceed controlled exposure limits.	1-49 50-99 100-249 250-499	\$24.95 \$21.45 \$19.11 \$17.94
	<u>RSI 6410</u> 18"W x 11"H	FCC Tower Registration Number Sign: Tower Registration Number will be needed at time of order. Prices include tower number sticker to be affixed to sign.	Any Quantity	\$24.95

RSI Note: The FCC and OSHA want site owners and carriers to make sure they post RF hazard signage in areas where RF emissions start to exceed the exposure limits. Call RSI to schedule an RSI RF Hazard Assessment and make sure you visit our website at www.rsicorp.com. RSI "hard" signs carry a 3 year limited replacement warranty.



RSI Webinars as a Training Option...

RSI RF EME Safety, 1 Hour Web Training

RSI can now offer Webinar's for their RF Certification Training

- \$99 Per Person
- One hour webinar followed by a Q & A period with the instructor
- Conveniently scheduled once a month
- Each student must log into the Webinar individually, so that there is documentation of attendance
- At the end of the Webinar EACH individual will receive a URL to log in to take the quiz. A score of 80% is required to pass the quiz. Quizzes are multiple choice and true/false
- Custom In-House Webinar's available – Call for pricing!
- There is no limit to the number of participants, however the OSHA recommended class size is 30.
- RSI will print, laminate and mail out the training cards to participants at a cost, OR we will send you an electronic certification card via email

www.rsicorp.com

