

Contractor Environmental, Health, & Safety Guidelines

Contractor Environmental, Health & Safety Certificate of Agreement

I hereby certify and agree for myself and on behalf of my contractors and employees that:

1. I have been advised and instructed by Teradyne Inc. (“Teradyne”) concerning working conditions including hazards, if any, involved in the job and/or job location in which Contractor and Contractor’s agents, employees or representatives will be working or be present;
2. I acknowledge I have reviewed the Teradyne Contractor Safety Guidelines and have read and will at all times abide by, and will cause all of Contractor’s agents, employees or representatives to read and abide by, all rules and regulations in these guidelines. I understand that working safely, complying with and obeying any and all Teradyne safety rules, regulations or standards is a condition of Contractor’s engagement by Teradyne;
3. I have instructed or will immediately instruct all such agents, employees and representatives of Contractor with respect to such conditions and/or hazards and the proper safety precautions to be observed in regard thereto;
4. All necessary, adequate and operative protective clothing and equipment have been or will be immediately issued to all such agents, employees and representatives, together with full instructions and training for their use;
5. Procedures including agent, employee and representative clothing and equipment requirements will be put into effect; that all such agents, employees and representatives will be properly supervised to insure compliance in the use of protective clothing and equipment and in the strict observance of safety rules and regulations; and
6. I have suitable experience and fully competent to perform the work as described in the scope of work and the contract documentation and process all necessary licenses, permits, registrations and insurance required to perform the work safely and in compliance with these guidelines and all applicable governmental laws and regulations as well as local codes at all time while performing the work.

Name of Contractor or Representative (Please print)

Signature

Name of Company

Date

SCOPE

The purpose of this document is to provide all Teradyne contractors, their employees and their sub-contractors with the minimum environmental, health & safety rules and standards to be followed when performing work for Teradyne Inc. This publication does not itself alter or determine compliance responsibilities, which are set forth in local and country regulations. Regulations, interpretations and enforcement policy may change over time. Contractors are responsible for seeking guidance to determine compliance requirements as it pertains to them.

Each contractor is responsible for providing training for its employees and subcontractors on the relevant section(s) of the Teradyne Contractor Environmental, Health and Safety Guidelines.

Any questions may be directed to the Teradyne Representative, a member of Teradyne Management, or a member of Teradyne's Environmental, Health and Safety (EHS) Department.

These guidelines are available to each contractor working at a Teradyne facility, location or site. It is the contractors responsibility to read and at all times abide by, and will cause all of Contractor's agents, employees or representatives to read and abide by, all rules and regulations in these guidelines.

Teradyne Safety Principles

Principles:

- We strive to prevent all incidents that may lead to injury or illness
- Safety performance is a responsibility of everyone
- Individual behavior is the most important factor in preventing incidents
- We expect and require every contractor to work safety
- We prepare for emergencies

Site Entry and Access Rules

All Contractors must sign-in at the Teradyne location where they will be working. They must contact the Teradyne employee who is the point of contact responsible for the requested work. Unescorted access requires a background check and issuance of a contractor badge.

Contractors are required to abide by the Policies and Procedures of Teradyne, Inc. and/or the directives of any Teradyne Security or Point-of-Contact personnel. Failure to do so may result in refusal of entry into a Teradyne building, removal from a building or worksite, and/or loss of the current/future work at any Teradyne location.

Areas and Emergency Equipment - Within Teradyne, all aisles, doors, fire extinguishers, fire blankets, fire hoses, stretchers, emergency eyewash fountains, emergency safety showers, fixed ladders or stairways, electrical switches, switchboards, panel boards and other such emergency equipment or areas must be kept clear and readily accessible at all times.

Clean Up - The premises must, at all times, be kept free from accumulations of waste material or rubbish. Throughout the job, all debris must be removed from and about the work area and the work area must be left in a clean and orderly condition to the satisfaction of the Teradyne Point-of-Contact.

Compliance - Contractors are responsible for complying with the requirements of these guidelines and all applicable governmental laws and regulations as well as local codes at all times while performing work for Teradyne.

Environmental Health & Safety - All work must be performed in a manner that ensures protection of the environment and the health and safety of anyone on Teradyne property.

Hazardous Material Wastes - All hazardous waste materials generated on site must be disposed of properly. The Teradyne Point-of-Contact will provide site-specific instructions.

ISO 14001 – Teradyne has several facilities that are ISO 14001 Certified. If you are working at an ISO 14001 Certified facility you must be aware of and read the Environmental Policy. Your Teradyne contact is responsible for providing you with a copy and/or showing the location the policy is posted. You must also understand how your activities impact the environment and what is done on-site to mitigate any impact.

Safety Data Sheets –SDSs must accompany each chemical brought on site and must be provided to the Teradyne Point-of-Contact prior to beginning work.

Overhead Storage - Temporary or permanent overhead storage of debris, tools, equipment, pipes, etc. is prohibited. No loose material or debris shall be left in overhead areas or above suspended ceiling panels.

Reporting Accidents or Dangerous Incidents - Any accident or near miss/dangerous incident, whether or not it involves personal injury, must be reported to the Teradyne Point-of-Contact *immediately*.

Reporting Emergencies - Emergencies such as fires, floods, chemical spills or severe injuries must be immediately reported by telephone to the Teradyne Point of Contact. You must state the problem, your name, location and any other pertinent information relative to the incident. It is essential that the building floor, room name, department name, department number or other identifier be given, where applicable.

Tools & Equipment – Contractors are to provide their own tools and equipment. If necessary, Teradyne tools may be used by Contractors with prior approval.

Storage of Hazardous Materials - Items such as flammable liquids, toxic or corrosive materials must be stored in a manner that meets applicable regulatory and Teradyne requirements. Not more than one day’s working supply may be inside the building at any time without prior notification to and approval from the Teradyne Point-of-Contact. Storage requirements will be determined by the Teradyne Point-of-Contact.

Warning Signs and Barricades - When working in areas that present safety hazards to personnel, warning signs and barricades must be placed in effective locations to prevent unauthorized entry.

Conduct – Horseplay, fighting, gambling, sexual harassment and the possession or use of firearms, alcoholic beverages and illegal substances is strictly prohibited.

Emergency and Disaster Procedures

Contractors shall report any emergency situations (number posted on or near phones) or to the person(s) designated by the Teradyne Representative.

Contractors are required be familiar with the building evacuation plan and respond accordingly in the event of building evacuations or other emergency situations.

Contractors shall take note of the-building emergency exits and gathering areas.

Hazardous Materials and Communication

Contractors must notify Teradyne of any hazards which employees may be exposed to while performing their work. Teradyne will also provide the contractor with information on potentially hazardous materials that present an exposure. Contractor must provide a copy of the SDS’s of any chemicals that will be brought onto the worksite. The Teradyne point of contact representative will also provide SDS’s that are pertinent to the area in which the contractor will be working.

- ◆ All chemicals must be stored and used away from open floor drains. Secondary containment must be used if there is a possibility of spilled material reaching a sewer inlet or ground.
- ◆ No chemicals are allowed on site that are not approved by Teradyne

- ◆ All chemicals must be stored in closed containers.
- ◆ Hazardous materials must be handled responsibly and shall not be released to the environment intentionally.
- ◆ Chemical Vapors - Prior to performing work which may generate chemical vapors (i.e. epoxy painting, solvent applications, chemical floor stripping, etc.), proper exhaust or treatment must be provided and the Teradyne Point-of-Contact must be notified.
- ◆ Containers/Labeling - All hazardous materials must be kept covered in properly labeled containers.
- ◆ Reporting Spills - Any material spills must be handled responsibly and immediately reported to the Teradyne Point-of-Contact, and facilities where applicable.

COMPRESSED GAS CYLINDERS

- ◆ **Cylinders** - Gas cylinders must be stored in designated areas and removed after completion of the work. Compressed gas cylinders must be secured (wired, chained, or strapped) in an upright position at all times with valve caps tightly secured.

CONFINED SPACE ENTRY

- ◆ **Confined Space Entry** - All confined spaces require an entry permit. No entry can take place without confined space training – Contractors are responsible for training their own personal for confined space entry and issuing permits.

ELECTRICAL SAFETY

- ◆ **Electricians** – When working on live electrical equipment, start and stop notifications must be communicated to the Teradyne Point-of-Contact. All appropriate PPE must be used.
- ◆ **Power Test** - All new power/equipment installations must be tested. Only wiring systems that have been tested and energized at initial installation (i.e. Modular office furniture) are exempt from this requirement. Any electrical installation that is energized, but not tested, must be locked out by the Contractor.

FIRE PROTECTION

- ◆ **Evacuation Procedure** - The building layout and emergency exits must be reviewed and understood prior to starting work onsite.
- ◆ **Fire Alarm** - The various methods of reporting a fire within the facility must be reviewed and understood prior to starting work onsite. Disabling the fire alarm system is not authorized without first obtaining permission from the Teradyne Point-of-Contact or building owners or management company.
- ◆ **Fire Extinguishers** - If and when it becomes necessary to use a Teradyne fire extinguisher, it must be taken out of service and given to the Teradyne Point of Contact for recharging or replacement. An explanation of its use must be given.
- ◆ **Sprinkler system** - Construction materials or other equipment shall not be placed upon, or suspended from, any fire sprinkler pipes, valves or supports. Disabling the sprinkler system is not authorized without first obtaining permission from the Teradyne Point-of-Contact.

FALL PROTECTION

General

- Fall Protection is required for all work above (6) feet where there is a possibility of a fall.

Barricades, Signs and Floor Openings

- Construction zones and work areas must be clearly defined and delineated by use of rope, tape or some other easy to understand marking.
- Signs must be used to identify work hazards. These might include signs for noise, open holes or trenches, flammable materials, hard hats and other hazards. Signage must be posted in a prominent location to

inform Teradyne employees of possible danger and to remind contractor employees of the hazards of their workplace.

- Work areas must be barricaded to prevent the entrance of curious by passers and to prevent persons from taking short cuts through work areas.
- All floor openings/penetrations must be properly covered or guarded. Barricades and signs must be posted.

HOISTING AND LIFTING OPERATIONS

- ◆ **Lifting Equipment** - Lifting Equipment is defined as any crane, hoist, aerial lift, man lift, forklift, or powered pallet jack. When required for use in performance of work, contractors are responsible to obtain all necessary permits from relevant authorities and a written request must be made to and approved by the Teradyne Point-of-Contact.
- ◆ **Teradyne Inc. Equipment** – Teradyne lifting equipment is for use by Teradyne employees only, unless prior approval has been arranged with the Teradyne Point-of-Contact.

HOT WORK PERMITS

- ◆ **Permit Requirements** - The Teradyne Point-of-Contact must be consulted regarding the need for a permit to perform certain operations such as, welding, cutting and open flame use.

SCAFFOLDS

- All scaffolds are to be erected level – plumb on a firm base
- All personnel working on scaffolds must be trained by a qualified person in the subject matter to recognize the hazards associated with the type of scaffold being used and the nature of any hazards (i.e. electrical, fall, falling objects, etc.)
- Non one shall ride on a rolling scaffold when it is being moved. All tools and materials shall be removed or secured to the decking before moving the scaffold.
- Personnel shall not climb or do any rigging from a scaffold, handrail, mid-rail or braces.

LOCKOUT/TAGOUT

- ◆ Contractors servicing, maintaining, repairing, setting up or installing machines and equipment are required to follow lockout/tagout procedures when a release of unexpected energy could cause injury.
- ◆ Contractors performing any type of work requiring lockout must use their own lock and tag.
- ◆ Energy sources that require lockout include but are not limited to, electrical, chemical, thermal, hydraulic, pneumatic or mechanical. All sources of energy that could pose hazards must be blocked, locked and tagged.
- ◆ A lockout/tagout device may only be removed by the individual who applied it.
- ◆ High voltage or hot work may only be done by qualified, licensed electricians.

PERSONAL PROTECTION EQUIPMENT

- ◆ **Eye Protection** –Eye protection must be worn as posted in each Teradyne facility and during the following operations:
 - Drilling, sawing, chipping, grinding, wire brushing or jackhammering;
 - Breaking bricks or concrete;
 - Hammering chisels, drift pins, etc.;
 - Handling any pressurized or energized system;
 - Operating explosive-activated tools;
 - Any operation which creates a possible eye hazard, such as in a construction environment where flying debris may result from operations; and
 - Handling chemicals (chemical splash goggles may be required)

The location of the nearest eye wash/safety shower station in the area should be noted when applicable.

- ◆ **Fall Protection** - Safety belts and lanyards (fall protection) must be worn and used on platforms above three (3) feet when not protected by guardrails. Fall protection must be used when working within three (3) feet of the roof edge.
- ◆ **Foot Protection** Safety shoes must be worn on all job sites where posted. Additional foot protection must be worn to protect against identified hazards (chemicals, electrical hazards, metatarsal exposure, etc.)
- ◆ **Hardhats** – Hardhats must be worn when work is being performed overhead and the area beneath and immediately surrounding the work area is to be designated a “Hard Hat Area”.
- ◆ **Hearing Protection** - Hearing protection in the form of earmuffs or earplugs must be used in areas where noise levels exceed 90 decibels (dBA)
- ◆ **Respiratory Protection** - Respiratory protection must be used if there is a hazard from mists/fumes/dusts or other respiratory hazard. Respiratory protection may be in the form of a respirator or a dust mask. Contractors must keep records of qualified users.
- ◆ **Ventilation** - Ventilation or equivalent measures must be used to minimize the impact of fume or odor producing tools or equipment (gas-powered compressors, propane forklifts, etc.) used within Teradyne facilities. Permission from the Teradyne Point-of-Contact must be obtained prior to use of such equipment.
- ◆ **Welding** - Welding goggles or helmets with proper shading must be worn when engaged in burning or welding operations. Provisions must be taken to protect other people in the area and passers-by from hazards associated with welding.

ROOFING/FLOORCOVERING OPERATIONS

- ◆ **Materials** - Before using materials that generate odors, vapors or smoke (hot tar, adhesives, etc.), Teradyne air handling equipment in that area must be shut down and inlet openings covered. Teradyne will provide whatever building ventilation and exhaust is available, to be supplemented by air handling equipment provided by the Contractor at the direction of the Teradyne Point-of-Contact.