

# **Appendix E (Non-mandatory)**

## Sample Training Matrix

California State University Long Beach  
Injury and Illness Prevention Program

**SAFETY AND HEALTH  
TRAINING AND INSTRUCTION REQUIREMENTS**  
*REFERENCED IN SUBCHAPTER 4 & 7, TITLE 8, CALIFORNIA CODE OF REGULATIONS  
(August 2006)*

The following is a list of the *instruction and training* requirements contained in the **Construction Safety Orders** (Subchapter 4) and the **General Industry Safety Orders** (Subchapter 7) of Title 8, Division 1, Chapter 4 (with several references contained in Chapter 3.2) of the California Code of Regulations. Also included are references to both Competent Person and Qualified Person.

While every effort has been made to ensure the accuracy of the information presented, users are cautioned to refer to Title 8 and the specific sections of interest. This list is a guide only and not meant to be a substitute for –or a legal interpretation of – the occupational safety and health standards.

Users may review Title 8 Regulations at: <http://www.dir.ca.gov/samples/search/query.htm>

TRAINING TOPIC	T8 SECTION	FREQUENCY OF TRAINING	TYPICAL JOB CLASSIFICATION	Cal/OSHA PUBLICATION
Accident Investigation	3203(a)(7)(F)	Initial	Supervisors/Accident Investigators	Model Program(s) IIPP:  For High Hazard Employers  For Non-High Hazard Employers  For Employers with Intermittent Employees  For Employers with Intermittent Workers in Agriculture (English & Spanish)  Guide to Developing IIPP
Accident Prevention Signs and Tags	3341(d)(5)	Initial	Impacted Employees	Lockout/Blockout
Acetylene & Fuel Gas Safety	1740(k)(1)	Initial	Users	
Acrylonitrile (AN)	5213(o) 5213 (appendix B)	Initial Annual	Exposed Employees <b>Qualified Person</b>	
Actinolite (Non-Asbestos)	5208.1	Initial Annual	Exposed Employees	
Agricultural Equipment & Tractors	3441(a) 3664(b)	Initial Annual	Involved Employees Operators	Agricultural-Industrial Tractors Farm Labor Contractors Guide

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TRAINING TOPIC	T8 SECTION	FREQUENCY OF TRAINING	TYPICAL JOB CLASSIFICATION	Cal/OSHA PUBLICATION
Anthophyllite (Non-Asbestos)	5208.1(n)	Initial Annual	Exposed Employees	
Asbestos/Asbestos Awareness	1529(k)(9)(B) 5208(j)(7)(B) 1529	Initial Annual	Employees likely exposed =>PEL and those who perform Class I-IV operations	
Class I-IV Operations	1529(o)(4) 341.9	Initial Annual	<b>Competent Person</b>  <b>Qualified Person</b>	
Building Inspector Project Designer	341.16	Initial	Assigned	
Cement Pipe	341.17	Initial	Exposed Employees	
Asbestos Consultant Site Surveillance Technician	341.15	Initial	Certified Persons	
Battery Handling/ Changing/Charging	5185(a)	Initial	Assigned Employees	
Benzene	5218(i) & (j)(3)	Initial Annual	Exposed Employees	
Bloodborne Pathogens	5193(g)(2)	Initial Annual	Potentially Exposed Employees	Best Practices Approach for Reducing Bloodborne Pathogens Exposure  Exposure Control Plan for Bloodborne Pathogens
Boatswains Chair	1662(a)	Initial	Users	
1,3-Butadiene	5201(l)(2)	Initial Annual	Exposed Employees	
Cadmium	5207(m)(4) 1532	Initial Annual	Exposed Employees  <b>Competent Person</b>	
Carcinogens As Listed	5209(e)(5)	Initial	Exposed Employees	
Chemical Hygiene for Laboratories	5191(f)(2)	Initial New Hazards Refresher	Laboratory Employees	
Coke Oven Emissions	5211(t)	Initial Annual	Exposed Employees	
Compaction Equipment	4355(a)(2)	Before Use	Users	
Confined Spaces	5157(g) 5158(c)(2)	Initial Program Update Changes	Affected Employees	Confined Space: Is It Safe To Enter
Marine Terminal Operations	3463(b)(5)(B)		Exposed Employees	
Cotton Gins/ Processing Mach.	4646		<b>Qualified Person</b>	
Control of Hazardous Energy	3314(j)	Initial	Authorized Employees	Lockout/Blockout

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<b>TRAINING TOPIC</b>	<b>T8 SECTION</b>	<b>FREQUENCY OF TRAINING</b>	<b>TYPICAL JOB CLASSIFICATION</b>	<b>Cal/OSHA PUBLICATION</b>
Cranes & Other Hoisting Equipment Incl. Mobile/Tower/ Derrick	5006.1(a) 5006 4966,4994, 4999,5000, 5004, 5031,5043, 5044	Initial Mobile & Tower Cert. @ 5 yrs	Mobile and Tower Crane Operators <b>Qualified Person</b> Authorized Employees	
Cranes/Hoisting Equipment - Marine Terminals	3472(d)(3)	Initial	Operators	
Demolition	1734 1735(u) 1736		<b>Qualified Person</b>	
1,2 Dibromo-3-Chloropropane (DBCP)	5212(i)(3) & (n) 5212 (Appendix B)	Initial Annual	Exposed Employees <b>Qualified Person</b>	
Diving Operations	6052	Initial	Assigned Employees	
Elevating Work Platforms and Aerial Devices	3648(l)(7) 3648(c) 3646(c) 3638(d)	Before Use	Users Authorized Personnel	
Emergency Action Plan	3220(e)	Initial Plan Update	Impacted Employees	
Emergency Procedures (Construction)	1512(d)	Initial	Assigned Employees	
Equipment and Machinery (Construction)	1510(b)	Initial	<b>Qualified Person</b>	
Erection and Construction – Bolting/Riveting/ Plumbing  Structural Wood/ Steel Frame Steel Erection	1716 1716.1  1716.1(f)(1) 1716.2(j) 1710	Initial	Assigned Employees <b>Competent person</b> <b>Qualified Person</b>	Pocket Guide for the Construction Industry (English/Spanish) (Spanish Update Sheet)
Ergonomics	5110(b)(3)	Initial – When Standard is Triggered	Employees in affected job classifications (identical jobs) when standard is triggered	Back Injury Prevention Guide in the Health Care Industry for Health Care Providers  Easy Ergonomics  Ergonomics in Action  Fitting Task to the Person: Ergo for the Very Small Business  Easy Ergo for the Computer User
Ethylene Dibromide (EDB)	5219(j)	Initial Annual	Exposed Employees	

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Ethylene Oxide	5220(j)(3) 5220 Appendix A	Initial Annual	Exposed Employees	
Excavation/ Trenching/Shoring	1541		<b>Competent Person</b>	Trenching Safety (Tailgate Topic)  Pocket Guide for the Construction Industry
Explosives	5239 5322 5329 344.20, 344.21	Initial	Assigned Employees  <b>Competent Person</b> Licensed Blaster	
Explosives – Deteriorated	5240		<b>Competent Person</b>	
Explosives Storage Magazines	5256		<b>Competent Person</b>	
Fall Protection	1671.1	Initial	Affected Employees <b>Competent Person</b> <b>Qualified Person</b>	
Fall Protection – Date Palm Ops.	3458		<b>Competent Person</b>	
Fire Brigades (Private)	3411(c)	Initial/Quarterly/ Annual Refresher	Assigned Employees	
Fire Extinguisher & Fire Fighting Equipment	6151(g)(1)-(2)	Initial Annual	Assigned Employees	
Fire Prevention Plan	3221(d)(1)-(2)	Initial New Hazards	Exposed Employees	
Fire Protection – Fixed Extinguishing Systems	6175(b)(10)  6181(b)(2)	Initial Annual	Employees Assigned Maintenance/Operation  Exposed Employees	
Fire Protection – Standpipe & Hose System Inspection	6165(f)(2)(F)	Initial	Assigned Employees	
First Aid First Aid & CPR	3439(b) 6251(d)(2) 3400(b) 5157, 5158, 5193 3421, 6052	Initial Changes Every 2 years (or as specified by cert. organization)	Assigned Employees Supervisors	
First Aid (Construction)	1512(b) & (d)	Initial Updated	Assigned Employees	
Flaggers (Traffic)	1599(f) & (g)	Initial	Assigned Employees	
Flammable Liquids/ Gasses/Vapors – Industrial Plants	5561		<b>Qualified Person</b>	
Formaldehyde	5217(n)	Initial Annual	Exposed Employees	
Fumigation – General	5221(b)	Initial	Exposed Employees	

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TRAINING TOPIC	T8 SECTION	FREQUENCY OF TRAINING	TYPICAL JOB CLASSIFICATION	Cal/OSHA PUBLICATION
Hazard Communication	5194(b)(1)	Initial New chemicals or processes	Exposed Employees	Guide to CA Hazard Communication Regulation
Hazardous Substance Containers Clean/Repair/Alter	5166(a)	Initial	Assigned Employees	
Hazardous Waste Operations & Emergency Resp.	5192 (e) & (q)(6)	Initial Annual Refresher	Assigned Employees <b>Qualified Person</b>	
Hearing (Noise) Protectors	5098(a)(4) 5097(d)(5)(A)&(B)	Initial Retraining	Employees Provided Protectors	
Conservation	5099(a)	Initial Annual	All Employees Exposed to =>85 dBA TWA	
Heat Stress	3395(e)	Initial	Exposed Employees	Protect Yourself from Heat Illness (English/Spanish)
Helicopter Operations	1901(c)	Daily Briefing	Involved Personnel	
Industrial/Lift Trucks (Forklifts) & Tractors	3657(i) 3664(b) 3668	Initial, Annual Observed Unsafe Operation Post Accident Equipment Change Workplace Change (Operator eval. @ 3 years)	Operators	Operating Rules for Industrial Trucks Poster (English/Spanish)
Injury & Illness Prevention Program	3203(a)(7) 1509(e)	Initial Updated	All Employees Supervisor Tailgates	Model Program(s) IIPP  For High Hazard Employers  For Non-High Hazard Employers  For Employers with Intermittent Employees (English/Spanish)  For Employers with Intermittent Workers in Agriculture (English & Spanish)  Guide to Developing IIPP
Inorganic Arsenic	5214(m)	Initial Annual	Exposed Employees	

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Job Hazard(s)	3203(a)(7) 1510(a) & (c)	Before Job Assignment New Hazards	<i>All Employees</i>	Guide to Developing IIPP
Laboratory Safety (See Chemical Hygiene)	5191(f)	Initial New Hazards Refresher	Laboratory Employees	
Laser Equipment	1801(a)	Initial	Operators <b>Qualified Person</b>	
Laundry/Dry Cleaning	4494(a)	Initial Periodic	Assigned Employees	
Lead Lead in Construction	5198(l) 1531.1(l)(1)(C)-(D) 1532.1(l)	Initial Annual	Exposed Employees/ Supervisors Exposed Employees => Action Level	Lead in Construction (Fact Sheet)
Lift Slab Construction	1722.1		<b>Competent Person</b>	
Lockout/Blockout	3314 3314(j)	Initial When Updated	Affected Employees <b>Qualified Person</b>	Lockout/Blockout
Machinery and Equipment	1510(b)	Before Use	<b>Qualified Person</b>	Lockout/Blockout
Marine Terminals	3463(b)(5)(B) 3464(a)(1) 3462(b) & (d) 3463, 3472	Initial	Exposed Employees Supervisors <b>Qualified Person</b>	
Medical & Exposure Records - Access	3204(g)(1)	Initial Annual	Affected Employees	Access to Medical and Exposure Records (poster) (English/Spanish)
Metal Working (forging) Machines	4243(a)(6)	Initial	Operators/Maintenance Personnel	Power Press Safety – Tool Box Topics
4,4-Methylenebis (2-Chloroaniline) MBOCA	5215(j)	Initial Annual	Exposed Employees	
Methylene Chloride	5202(l) 5202 (Appendix A)	Initial & As Necessary	Exposed Employees <b>Qualified Person</b>	
Methylenedianiline	5200(k)(3) 1535	Initial Annual	Exposed Employees	
Miter Saws	4307.1(c)	Initial	Operators	
Noise Exposure	5099(a)	Initial Annual	Employees Exposed = > 85dBA TWA	
Openings/Holes – Floors and Roofs	3212(b)		<b>Qualified Person</b>	
Paper Converting/ Printing Machines – Hand-Fed Engraving Presses	4445(3)	Initial Changes	Operators/Maintenance Personnel	
Personal Fall Arrest/Restraint Systems	1670(b)(19)		<b>Competent Person</b>	
Personal Protective Equipment	3380(c)	Initial	PPE Users	

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Pesticide Safety	5194(h)	Initial New Hazards	Handlers & Applicators	
Pile Driving	1600		<b>Competent Person</b>	
Calif. Posting Requirements	340	Initial	All Employees	
Powder-Actuated Tools	1685(a)(1) 1689(a)	Initial	Users <b>Qualified Person</b>	
Power Presses	4203(a) 4203(b) 4208.1(m)(1) 4208	Initial Annual	Inspectors/Maintenance Operators PSDI Operators <b>Qualified Person</b>	Power Press Safety (Tailgate Topic)
Powered Platforms (Installed) for Building Maintenance	3298(a) 3296	Initial	Assigned Employees  <b>Qualified Person</b>	
Process Safety Management	5189(g)	Initial Refresher & Supplemental Certification	Involved Employees	
Pulp, Paper and Paperboard Mills	4402	Initial	Exposed Employees	
Railroad – Signs & Signals	3333(d)	Initial	Assigned Employees	
Reinforcing Steel/Similar Projections	1712(f)(A)		<b>Qualified Person</b>	
Respiratory Protection	5144(c) & (k) 5144 Appendix A & C	Initial Annual	Users	Resp. Protection in the Workplace  New Respirator Reg. (Fact Sheet)
Roofing	1509(a) 1730(b)(8)-(9)	Initial	<b>Qualified Person</b>	Roofing Safety (Tailgate Topic)
Rope Access Equipment	3270.1(c)  3270.1	Initial Annual Refresher	Assigned Employees  <b>Qualified Person</b>	
Rubber/Composition Working Machines	4592		<b>Competent Person</b> Test/Maintenance	
Scaffolds	1637(k)(1) 1637 1658(g)	Initial	Erectors and Dismantlers: <b>Qualified Person</b>	
Supervisory Safety Training	3203(a)(7)(F)	Initial Change	Supervisors	
Tanks – Open Surface	5154(j)(1)	Initial	Assigned Employee	
Traffic Control – Flaggers	1599(f) & (g)	Initial	Flaggers	
Tree Work General  Date Palm Ops.	3420(b), 3421(c) 3423(a), 3427 3428(a) 3458	Initial	Assigned Employees <b>Qualified Person</b>	
Tremolite (Non-Asbestos)	5208.1(n)	Initial Annual	Exposed Employees	
Vinyl Chloride	5210(j)	Initial Annual	Exposed Employees	

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Welding & Cutting Safety – Hot Work	4799 4848(a) 1537(a)	Initial	Welders Fire Watchers <b>Qualified Person</b>	
Wheels or Rims – Servicing	3326(c)	Initial	Service Personnel	Servicing Single, Split Rim & MultiPiece Rim Wheel (Tailgate Topic)
Window Cleaning	3282(d) &(f) 3286(a)(2)	Initial	Assigned Employees	

**Qualified Person**

A qualified person is a person **designated** by the employer; and by reason of **training**, experience, or instruction has demonstrated the ability to perform safely **all** assigned duties; and, when required is properly licensed in accordance with federal, state, or local laws and regulations.

Examples: Mobile **Crane** and Tower Crane Operators 5006.1(a)  
**Scaffold** Erection and Dismantling Supervisors 1637(k)(1)  
**Demolition** 1736

**Competent Person**

A competent person is a person who is **capable** of identifying existing and predictable hazards in the surroundings or working conditions that are unsanitary, hazardous, or dangerous to employees. The competent person has the **authority** to impose prompt corrective measures to eliminate these hazards.

Examples: **Excavation** - Inspectors 1541  
**Fall Protection** Plan implementers and supervisors 1671.1  
**Lift Slab Construction** 1522.1

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