

TRAIN THE TRAINER PROGRAM GUIDELINES GENERAL INDUSTRY

N.C. Department of Labor
Occupational Safety and Health Division
Education, Training and Technical Assistance Bureau
1101 Mail Service Center
Raleigh, NC 27699-1101
Phone: (919) 807-2875

Fax: (919) 807-2876

Table of Contents

Background	1
General Industry Train the Trainer Program	1
Train the Trainer Program Guidelines	1
Training Tips	3
Designated Training Topics 10-Hour	5
Designated Training Topics 30-Hour	7
Program Administration	9
Obtaining Student Course Completion Cards	9
Where to Send Documentation	9
ID Number Information	10
Information on Student Course Completion Cards	10
Further Assistance	11
NCDOL Resources	11
Federal OSHA Resources	11
OSH Train the Trainer Program Report	13

BACKGROUND

The Occupational Safety and Health Division (OSH) Train the Trainer Program is a voluntary program to train workers to become instructors in the basics of safety and health hazard recognition and prevention. Through this program, OSH authorizes trainers to conduct occupational safety and health 10- and 30- hour awareness courses for workers.

THE OSH GENERAL INDUSTRY TRAIN THE TRAINER PROGRAM

Authorized trainers are authorized to conduct 10- and 30- hour general industry courses and receive OSH course completion cards to issue to their students. To become an authorized trainer, you must complete the NC 501, *Trainer Course in Occupational Safety and Health Standards for the General Industry*. You must also pass a final test and develop/deliver a presentation to receive your trainer authorization.

Update Requirement. To stay current on relevant OSH matters and maintain trainer authorization, trainers are required to attend the NC 503, *Update for General Industry Trainers*, every four years. In addition, the trainer must teach a minimum of two 10-hour courses within the four-year authorization period. The NC 501 may also be used to maintain a trainer's authorized status.

TRAIN THE TRAINER PROGRAM GUIDELINES

This section contains information on the rules and procedures for conducting a training course. Trainers are responsible for understanding these requirements when planning and conducting their courses.

Students. Authorized trainers may only train their own employees. Authorized trainers are prohibited from offering courses in a consultant or sole proprietor capacity.

Cost. Authorized trainers are prohibited from charging for 10- and 30- hour courses.

Training Topics. See the <u>Designated Training Topics</u> sections (to be covered in the 10- and 30-hour general courses). The objective is to provide workers with information on recognizing and preventing hazards on a general industry site. CPR and first aid can be added to the training, but the time cannot be counted as part of the 10- or 30-hour course.

Training Per Day.

- A maximum of 7½ hours of training in one day.
- 10-hour courses must be delivered over a minimum of 2 days.
- 30-hour courses must be delivered over a minimum of 4 days.

Topic Length. OSH has assigned minimum lengths for each of the required course topics; see the Designated Training Topics Section. Unless it is otherwise noted, OSH recommends spending an hour on each topic. In the 10-hour course, a trainer may not cover any topic for more than four hours. In the 30- hour course, a trainer may not spend more than six hours on any topic.

Training Materials. Trainers may compile their course materials from a variety of sources, including products OSH has made available on the NCDOL ETTA website and from the NCDOL Library. OSH materials are intended to provide a foundation for the 10- and 30- hour courses, but trainers are responsible for ensuring they have the necessary training materials (including presentations) to offer the 10- and 30- hour courses in their individual workplaces. At a minimum, trainers should provide their students with reference materials (at least a fact sheet) on each topic they cover, which highlights the key training points.

Course Time. Breaks and lunch periods are not counted as class time. Instructional times must be at least 10- or 30- hours, as applicable. Courses may be broken into segments. Each segment must be at least one hour, and the entire course must be completed within six months.

Guest Trainers. Authorized trainers may use others who have topic expertise to help conduct classes. The authorized trainer must design and coordinate the course, teach more contact hours than anyone else, attend all sessions to answer questions, ensure topics are adequately covered, and document students' attendance.

Records. Trainers must retain course files for five years. The file for each course must include:

- Student sign-in sheets for each class day.
- Student addresses.
- Company of employment.
- Copy of the documentation sent in to request cards, including a list of the topics taught and the amount of time spent on each.
- Records that indicate the card number dispensed to each student. One way to accomplish this is to make a copy of all the cards issued.
- OSH reserves the right to request copies of course records for verification purposes.

Course Size. Course size is limited to 50 students.

Training Delivery. Training must be done in person.

Combining 10-hour Construction and General Industry Courses. Trainers may not combine a 10- hour Construction and a 10 hour General Industry course in less than 20 hours in order to receive both types of student cards.

10 + 20 Hours = 30. If a student trained in the 10- hour course wants to take the 30- hour course at a later time, the trainer may provide 20 more training hours and receive a 30- hour card for the student. The limitations are as follows:

- The same trainer must do all the training.
- All the training must be completed, from start to finish, within six months.
- 10-hour cards must be returned, to receive the 30- hour cards.

Monitoring. OSH periodically conducts training observations of courses. The purpose is to:

- Observe training.
- Obtain feedback from the trainer and the students on the training.
- Ensure awareness of the Train the Trainer Program guidelines and the materials and assistance that are available to help trainers.

Through these visits, OSH aims to help trainers and ensure consistent program implementation.

To request a training observation by OSH, send the following information to the OSH Train the Trainer Program coordinator by clicking HERE:

- Course date.
- Type of course: 10-hour or 30-hour, Construction or General Industry.
- Location.
- Contact information.

TRAINING TIPS

This section is intended to provide trainers with suggestions on how to conduct more productive and effective training classes.

Worker Emphasis. Courses must be designed for workers; therefore, they must emphasize hazard identification, avoidance, control and prevention, not OSHA standards. Trainers must tailor their presentations to the needs and understanding of their audience.

Importance of Safety and Health Training. Explain early in the course that this training isn't a bureaucratic exercise—it may save their lives and help them continue to provide for their families.

- Highlight local stories that students will recognize.
- Discuss personal experiences.
- Provide information on injury and fatality statistics.
- Explain that safety and health training adds value to the company, the workplace and to them.

Site-Specific Training. The most rewarding classes for students are the ones they can relate to because the trainer uses examples, pictures, and real-life scenarios from their work place or one similar to it.

Homogeneous Course. The ideal course is one where students have similar positions and needs. Hold separate sessions for supervisors, managers, and workers when possible. Try to train workers from similar groups such as trade groups, office personnel, machine operators, and maintenance staff.

Train Workers in Their Language. Trainers must ensure that they know their audience, including whether there are language barriers. To the extent possible, teach non-English speaking workers separately. Use translators, easy to understand photos, videos in their language, and hands-on activities. Also, emphasize real-life examples. OSH has trainers, references, publications, and other tools to assist you.

Use Objectives. Describe the skills and abilities the students should have or exhibit for each topic. Relate the objectives to the students' work, if possible.

Presentation Assortment. Students learn in different manners and benefit from different training styles. Use different trainers, computer presentations, videos, case studies, exercises and graphics to make the course interesting and enjoyable. By doing so, trainers will be employing the three levels of training techniques—presentation (presenting the material in a variety of ways), discussion (getting the students involved in the learning), and performance (students practice the material they learned).

Testing. OSH recommends using quizzes and tests to ensure students remain focused and understand key objectives. Trainers may set passing scores. Provide feedback to the students on the exam questions.

Evaluations. OSH recommends having students complete a course evaluation. Trainers should use this feedback to determine whether the course is accomplishing its goals and how to improve the training.

DESIGNATED TRAINING TOPICS 10 HOUR GENERAL INDUSTRY

The 10-hour General Industry Awareness Course is intended to provide an entry level general industry worker broad awareness on recognizing and preventing hazards on a general industry site. The training covers a variety of safety and health hazards that a worker may encounter. OSH recommends this training as an orientation to occupational safety and health. Workers must receive additional training on hazards specific to their jobs. Training should emphasize hazard identification, avoidance, control and prevention, not OSHA standards. Instructional time must be a minimum of 10 hours.

Break down of the topics as follows:

- **Mandatory—7 hours:** Six topics to be taught, for one hour each.
- **Elective—2 hours:** Choose at least two of these topics to teach, for a minimum of one-half hour each. Must cover at least two hours.
- **Additional—1 hour:** Teach any other general industry hazard topics or policies and/or expand on the mandatory or elective topics, for a minimum of one-half hour each.

10- Hour Course Topic Guidelines

OSHA subpart references are provided for informational purposes; training should emphasize hazard awareness.

Mandatory-7 hours

Two Hours

Introduction to OSH including:

- NC OSH Act, General Duty Clause, Employer and Employee Rights and Responsibilities, Whistleblower Rights, Recordkeeping basics
- Inspections, Citations, and Penalties
- Value of Safety and Health
- NCDOL Website and available resources
- NCDOL 800 number

One Hour (Each)

- Walking and Working Surfaces—Subpart D—including fall protection
- Exit Routes, Emergency Action Plans, Fire Prevention Plans and Fire Protection— Subparts E & L
- Electrical—Subpart S
- Personal Protective Equipment—Subpart I
- Hazard Communication—Subpart Z

Elective—2 hours

- Minimum of one-half hour each -Choose at least two of the following elective topics: These topics must add up to at least two hours:

- Hazardous Materials—Subpart H
- Materials Handling—Subpart N
- Machine Guarding—Subpart O
- Introduction to Industrial Hygiene—Subpart Z
- Bloodborne Pathogens—Subpart Z
- Ergonomics
- Safety and Health Program

Additional—1 hour

For the remaining one hour: Teach any other general industry hazard topics or policies and/or expand on the mandatory or elective topics.

Special Industry Recommendations:

In addition to the six mandatory hours, the groups noted below should also teach the following:

- **Medical/Health Care**—1 hour each—Introduction to Industrial Hygiene, Bloodborne Pathogens; one-half hour—Ergonomics and Workplace Violence
- Maintenance—Ergonomics and (if applicable) Powered Industrial Trucks
- **Utility**—Ergonomics, Electric Power Generation, Transmission and Distribution, and Confined Spaces
- Office—Ergonomics

DESIGNATED TRAINING TOPICS 30- HOUR GENERAL INDUSTRY

The 30- hour General Industry Awareness Course is intended to provide a variety of training to people with some safety responsibility. Workers must receive additional training on hazards specific to their job. Training should emphasize hazard identification, avoidance, control and prevention, not OSHA standards. Instructional time must be a minimum of 30 hours.

Breakdown of topics as follows:

- Mandatory—11 hours: Seven topics to be taught, ranging from one to two hours each
- **Elective—10 hours:** Choose at least five of these topics to teach, for a minimum of one-half hour each
- **Additional—9 hours:** Teach any other general industry hazard topics or policies and/or expand on the mandatory or elective topics, minimum of one-half hour each

30- Hour Course Topic Guidelines

OSHA subpart references are provided for informational purposes; training should emphasize hazard awareness

Mandatory Topics

Introduction to OSH— (at least two hours)

- OSH Act, General Duty Clause, Employer and Employee Rights and Responsibilities, Whistleblower Rights, Recordkeeping basics
- Inspections, Citations, and Penalties
- Value of Safety and Health
- NCDOL Website and available resources
- NCDOL 800 number

Walking and Working Surfaces—including fall protection—Subpart D (at least one hour)

Exit Routes, Emergency Action Plans, Fire Prevention Plans and Fire Protection—Subparts E & L— (at least two hours)

Electrical—Subpart S (at least two hours)

Personal Protective Equipment (PPE)—Subpart I (at least one hour)

Materials Handling and Storage—Subpart N (at least two hours)

Hazard Communication—Subpart Z (at least one hour)

30- Hour Elective Topics

Choose at least five of the following topics for a total of a minimum of 10 hours.

- Hazardous Materials (Flammable and Combustible Liquids, Spray Finishing, Compressed Gases and Dipping and Coating Operations)—Subpart H
- Permit-Required Confined Spaces—Subpart J
- Lockout/Tagout—Subpart J
- Machinery and Machine Guarding—Subpart O
- Welding, Cutting and Brazing—Subpart Q
- Introduction to Industrial Hygiene—Subpart Z
- Bloodborne Pathogens—Subpart Z
- Ergonomics
- Fall Protection
- Safety and Health Programs
- Powered Industrial Vehicles
- Occupational Noise Exposure

30- Hour Additional Topics

For the remaining nine hours: Teach any other general industry hazard topics or policies and/or expand on the mandatory or elective topics, for a minimum of one-half hour each.

PROGRAM ADMINISTRATION

Obtaining Student Course Completion Cards

This section contains information on course completion cards. After conducting a 10- or 30-hour, follow the instructions below to document your class and receive student course completion cards.

New and Existing Trainers

To receive student completion cards for training you have conducted, send these items:

- OSH Train the Trainer Program Report (which includes trainer and course information).
 Be sure to provide a return address that goes directly to you because OSH cannot replace card packages that are not received.
- A copy of your Train the Trainer card.
- A list of the students who completed the training. The list must be clear and legible or a card will not be dispensed. Only send one list, not all the sign-in sheets.
- Topic Outline. List the topics taught and the amount of time spent on each. Complete the topic outline on the bottom of the report (10- hour) or on the back (30- hour) or send a separate outline.

Other Key Points on Submitting Course Documentation

- Trainers must sign the statement of certification attesting that they have conducted the training in accordance with the guidelines and have submitted accurate documentation.
- Trainers must document training within six months of class completion.
- Trainers must report classes separately. Each class should be reported individually and contain each of the items indicated above.
- Existing trainers with ID numbers may e-mail or fax their course documentation.

What to Submit

- Train the Trainer Program report. This report can either be submitted online by clicking HERE, or see pages 12 to print and mail.
- Student names.
- Course topic list and the time spent on each.

Ensure

- Trainer is currently authorized.
- Complies with guidelines (topics, time, etc.)
- Documentation is complete and correct.

Send Documentation To

Submit all required documentation to: N.C. Department of Labor Occupational Safety and Health Division ETTA/Train the Trainer Program 1101 Mail Service Center Raleigh, NC 27699-1101

Fax: (919) 807-2876

E-mail: dol.trainthetrainer@labor.nc.gov

Records Trainers Must Retain for Five Years

- Student sign-in sheets for each class day.
- Student addresses.

- Copy of the documentation sent in to request cards, including a list of the topics taught and the amount of time spent on each.
- Records that indicate the card number dispensed to each student. One way to do this is to make a copy of the cards issued.

ID Number Information

- All trainers will receive an ID number upon completion of the course.
- ID numbers must be included on submittals for student cards.
- If you misplaced your ID number, note on the report that you were issued one but misplaced it.
- Contact the NCDOL OSH Division Training Supervisor, if you need your trainer card replaced.
- If the training took place more than three years ago, no replacement card will be issued.

Information on Student Course Completion Cards

- For legibility, trainers must complete student cards by legibly printing or typing.
- 1. Student's name
- 2. Company name
- 3. Course end date
- 4. Trainer's name (the trainer may also sign the card)
- Trainers may not alter the cards or use white out on them. If you misprint or mistype the cards, you may return the cards to NCDOL and receive replacements.
- Student course completion cards do not expire. However, employers and other organizations may have different requirements. OSH recommends 10- and 30- hour courses as an orientation to occupational safety and health for workers. Participation is voluntary. Workers must receive additional training on the specific hazards of their job.
- Trainers may provide training certificates to students. This often helps them verify that they took the training prior to receiving their card.
- Trainers must use the back of the cards for other identification or training information.
 This can be helpful and appropriate if your outreach class is targeted to a specific audience.
- The cards may be laminated.
- Processing card requests takes four to six weeks. Please wait at least six weeks before
 inquiring about the status of a request.

Student Cards

- Contact NCDOL if you need your student cards replaced.
- If the training took place more than three years ago, no replacement cards will be issued.
- Trainers must maintain records that indicate the card number dispensed to each student.

Misprinted Cards

Return all misprinted cards for replacement. Do not attempt to correct and use misprinted cards.

FURTHER ASSISTANCE

This section provides resource information that trainers can use to help them to prepare and conduct training.

N.C. Department of Labor Website

NCDOL Home Page

ETTA Calendar of Events

Inspection Information

Library

NCDOL Publications

- 1. Brochures and Posters
- 2. Fact Sheets
- 3. Fatality Investigation Fact Sheets
- 4. Forms
- 5. Industry Guide Series
- 6. Industry/Hazard Alerts
- 7. Labor Laws
- 8. Newsletter
- 9. Quick Cards
- 10. Standards

NCGS § 95-136

Occupational Safety and Health Division

OSH Compliance Operating Procedures OSH

Presentations

OSH Sample Programs

OSH Statistical Data

Outreach Training and Services Safety

and Health Topics A to Z Standards

Information and Activity

OTHER

<u>Safety and Health Council of North Carolina</u> N.C. State University Industrial Extension Service

Federal OSHA Website Resources

General Links

OSHA Home Page

Training and Reference Materials Library

Resource Center Loan Service

Alliance Program Participants Developed Products

Compliance Assistance - Resources and Specialists

OSHA Small Business Page

Teen Workers

Spanish Trainers & Training References

Spanish Outreach Trainers

Making the Business Case for Safety and Health

General Industry and Training Websites

Safety and Health Topics Index

Industry-Specific Resources

Health Care Industry Quick Start

Alliance Program Participants Developed Products

OSHA e-Tools – Web-based training tools, includes Hospital and Powered Industrial Trucks
NIOSH Safety and Health Topics
General Safety and Health References - Other Internet Sites

General Safety and Health References

General Safety and Health References

Construction and Training Websites

Construction Outreach Materials

<u>Construction - Other OSHA Presentations for Outreach</u>

OSHA Construction e-Tools Preventing Fatal Falls in

Construction Safety and Health Topics Index

NIOSH Construction Resources

Technical Support

For support call Education, Training and Technical Assistance Bureau at 919-807-2875.



Train the Trainer Program Report

Statement of Certification. I certify that I have conducted this outreach training class in accordance with the OSH Train the Trainer Program guidelines. I have maintained the training records as required by these guidelines and I will provide these records to the Director of the N.C. Department of Labor's Occupational Safety and Health Division or designee upon request. I understand that I will be subject to immediate dismissal from the OSH Train the Trainer Program if information provided herein is not true and correct. I further understand that providing false information herein may subject me to criminal penalties under state law, including N.C. Gen. Stat. §95-139(e), which provides criminal penalties for making false statements or representations in any document filed pursuant to the Occupational Safety and Health Act of North Carolina. I hereby attest that the information on this form is true and correct.

Trainer Signature:	//////
Course Taught: 10-Hour Construction Industry	Spanish
10-Hour General Industry 30-Hour Construction Industry 30-Hour General Industry	Language other than English Youth (age 18 or less) OSH Alliance or Partnership related (specify below)
County in which training was held:	
Course end date: Number of students:	/ / (Requests cannot be older than 6 months)
Primary Trainer Course Information:	
ID Number: Name:	Course: Expiration Date: (NC500/NC501)
Address (Use an address that will be delive Check box if company and/or address ha	
Company/Dept.:	
Address:	
City / State / Zip:	
E-Mail:	
Documentation Must Include:	
1. Train the Trainer Program Report	
2. Copy of Trainer Card	
3. Student Roster	

10-Hour Construction Industry Report

Mandatory Top	pics: Must equal 5	hours	
Time Taught:	Time Required:	Mandatory topics must equal at least 5 hours.	
	2 hours	Introduction to OSH	
	15 min*	Fall Protection	
	15 min*	Electrical	
	15 min*	Struck By	
	15 min*	Caught In/Between	
	30 min	Personal Protective and Life Saving Equipment	
	30 min	Health Hazards in Construction	
*Minimum of 15	minutes on any of the	ese four areas to equal 2 hours	
Elective Topic	s: Must equal 2 ho	ours	
Time Taught:	Time Required:	Choose at least two of the following elective topics.	
	20 min*	These topics must equal at least 2 hours.	
	30 min*	Materials Handling, Storage, Use and Disposal	
	30 min*	Tools-Hand and Power	
	30 min*	Scaffolds	
	30 min*	Conveyers	
	30 min*	Excavations	
	30 min*	Stairways and Ladders	
*Minimum of 30 i	minutes on any of the	ese six areas to equal 2 hours	
Elective Topic	s: Must equal 3 ho	ours	
		ch any other construction industry hazard topics or policies and/or	
		topics. See the Train the Trainer Guidelines for special industry	
recommendation			
Time Taught:	Topic(s):		

Note: Please refer to the Train the Trainer Guidelines for additional information and details

10-Hour General Industry Report

Time Taught:	Time Required:	Mandatory topics must equal at least 7 hours.
	2 hours	Introduction to OSH
	1 hour	Walking Working Surfaces
	1 hour	Exit Routes, Emergency Action Plans, Fire Prevention Plans and Fire Protection
	1 hour	Electrical
	1 hour	Personal Protective Equipment
	1 hour	Hazard Communication
Elective Topic	s: Must equal 2 ho	purs
Time Taught:	Time Required:	Choose at least two of the following elective topics. These topics must equal at least 2 hours.
	30 min*	Hazardous Materials
	30 min*	Materials Handling
	30 min*	Machine Guarding
	30 min*	Introduction to Industrial Hygiene
	30 min*	Bloodborne Pathogens
	30 min*	Ergonomics
	30 min*	Safety and Health Program
*Minimum of 30 i	minutes on any of the	ese seven areas to equal 2 hours
	s: Must equal 1 ho	our ny other general industry hazard topics or policies and/or expand on
		the Train the Trainer Guidelines for special industry
recommendation	-	,
Time Taught:	Topic(s):	

Note: Please refer to the Train the Trainer Guidelines for additional information and details

30-Hour Construction Industry Report

Mandatory To	pics: Must equal 1	2 hours
Time Taught:	Time Required:	Mandatory topics must equal at least 12 hours.
	2 hours	Introduction to OSH
	30 min*	Fall Protection
	30 min*	Electrical
	30 min*	Struck By
	30 min*	Caught In/Between
	2 hours	Personal Protective and Life Saving Equipment
	2 hours	Health Hazards in Construction
	1 hour	Stairways and Ladders
*Minimum of 30	minutes on any of the	ese four areas to equal 5 hours
Elective Topic	s: Must equal 12 h	ours
Time Taught:	Time Required:	Choose at least six of the following elective topics.
		These topics must equal at least 12 hours.
	30 min*	Fire Protection and Prevention
	30 min*	Materials Handling, Storage, Use and Disposal
	30 min*	Tools – Hand and Power
	30 min*	Welding and Cutting
	30 min*	Scaffolds
	30 min*	Cranes, Derricks, Hoists, Elevators and Conveyers
	30 min*	Excavations
	30 min*	Concrete Masonry
	30 min*	Steel Erection
	30 min*	Stairways and Ladders
	30 min*	Safety and Health Programs
	30 min*	Confined Space Entry
	30 min*	Powered Industrial Vehicles
	30 min*	Ergonomics
	30 min*	Motor Vehicles, Mechanized Equipment and Marine
		Operations; Rollover Protective Structures and Overhead
		Protection; and Signs, Signals and Barricades.
*Minimum of 30	minutes on any of the	ese fifteen areas to equal 12 hours
Flective Tonic	s: Must equal 6 ho	nure
-	-	ch any other construction industry hazard topics or policies and/or
		topics for a minimum of 30 minutes each. See the Train the Trainer
	pecial industry recom	mendations.
Time Taught:	Topic(s):	

Note: Please refer to the Train the Trainer Guidelines for additional information and details.

30-Hour General Industry Report

Mandatory To	pics: Must equal 1	1 hours
Time Taught:	Time Required:	Mandatory topics must equal at least 11 hours.
	2 hours	Introduction to OSH
	1 hour	Walking Working Surfaces
	2 hour	Exit Routes, Emergency Action Plans, Fire Prevention Plans
		and Fire Protection
	1 hour	Electrical
	2 hours	Personal Protective Equipment
	1 hour	Material Handling Storage
	2 hours	Hazard Communication
Elective Topic	s: Must equal 10 h	
Time Taught:	Time Required:	Choose at least five of the following elective topics.
	30 min*	These topics must equal at least 10 hours. Hazardous Materials
	30 min*	Confined Space
	30 min*	Lockout Tagout
	30 min*	Machinery and Machine Guarding
	30 min*	Bloodborne Pathogens
	30 min*	<u> </u>
		Ergonomics Fall Protection
	30 min* 30 min*	Powered Industrial Vehicles
*Minimum of 20		
"Minimum of 30 i	minutes on any of the	ese eight areas to equal 10 hours
For the remaining		ours ch any other general industry hazard topics or policies and/or topics for a minimum of 30 minutes each. See the Train the Trainer
	pecial industry recom	
Time Taught:		
Note: Please ref	fer to the Train the Ti	rainer Guidelines for additional information and details.

Student Names

1.	26.
2.	27.
3.	28.
4.	29.
5.	30.
6.	31.
7.	32.
8.	33.
9.	34.
10.	35.
11.	36.
12.	37.
13.	38.
14.	39.
15.	40.
16.	41.
17.	42.
18.	43.
19.	44.
20.	45.
21.	46.
22.	47.
23.	48.
24.	49.
25.	50.