

Course in Owner Builder Compliance

NTIS code: 91509NSW

Participants Guide



COPYRIGHT



© 2010 Department of Services Technology and Administration
NSW Fair Trading

All rights reserved

This work is copyright to Department of Services Technology and Administration NSW Fair Trading and available under licence from NSW Department of Education and Training.

The onus rests on you as user to ensure compliance with licensing arrangements. The Licensing Agreement stipulates the extent to which you can copy this material.

If you use any portion of the material, you must acknowledge Department of Services Technology and Administration NSW Fair Trading as the copyright owner.

You may not make it available for hire or re-sale with financial gain other than for a cost recovery fee for distribution and within the extent allowed by your Licensing Agreement.

Outside these guidelines, all material is subject to copyright under the Copyright Act 1968 (Commonwealth) and permission must be obtained in writing from
Department of Services Technology and Administration
NSW Fair Trading

McKell Building 2-24 Rawson Place
Sydney NSW 2000

Tel: 02 9372 8877
Fax: 02 9372 8640

DISCLAIMER

Department of Services Technology and Administration NSW Fair Trading does not warrant the accuracy of any information contained herein, and will not be liable for any reliance by any course participant or other person upon the same.

The said information is intended for use as an educational guide only and for Registered Training Organisations only.

Course participants should always make their own proper inquiries and investigations and seek appropriate independent legal and/or accounting and/or business/financial advice before making any decision or engaging in any activity the subject of, or related to, or arising out of the subject matter of the said information.

Further (and without limiting the generality of the foregoing), Department of Services Technology and Administration NSW Fair Trading does not warrant the accuracy of any government or industry rule, policy, practice, fee, form or requirement referred to in the said information, and it is acknowledged that such things are by their nature subject to change without notice from time to time.

Note: It is the Training Provider's responsibility to provide course participants any addendums/attachments or extra handouts relating to current legislation, regulations, standards and codes.

Further copies of this resource are available from www.skillsonline.net.au

For further information contact:

NSW Fair Trading

Telephone: (02) 93728877








Email: policy@services.nsw.gov.au



**©NSW Fair Trading
Department of Services Technology and Administration**

Course in Owner Builder Compliance (91509NSW) – Participant Guide Version 2 2010.

The program introduces the participant to the multitude of obligations of being an Owner Builder. It will also provide the participant an insight into:

-  The compliance obligations relating to building, renovating and refurbishing a home.
-  The supervisory and management issues relating to managing a building site.
-  Their responsibility to occupational health and safety during the construction process.
-  Their ability to read and interpret drawings and specifications.
-  The essential financial aspects relating to estimating, cash flow and job costing.
-  The critical areas of contracts and contract management with suppliers and contractors.
-  How important effective communication is to the project.

Language, Literacy and Numeracy (LLN)










Your literacy skills will need to be at the level of competence required by a Year 10 student which will form the basis of your learning. Many people are in a situation where English is not their first language, or they left school early, or have been in a career which has not provided much experience with written communication.

Don't worry - literacy support can simply be factored into your training and assessment if you need it. It is the responsibility of the trainer to support all participants with LLN as part of their obligations under the Australian Quality Training Framework (AQTF).

























The Department of Education, Science and Training (which has responsibility for VET nationally), also has a Workplace English Language and Literacy (WELL) Program to assist adults with literacy in the workplace. You can talk to your trainer, and/or contact the Reading and Writing Hotline on 1300 6555 06 for information or advice about literacy, and the numerous resources which are available to assist people. Alternatively, visit the Reading and Writing Hotline website at www.literacyline.edu.au/

The program is made up of five modules:





1. Prepare to be an Owner Builder

-  Becoming an Owner Builder
-  The Construction Process
-  The Professionals
-  The Authorities
-  Compliance with Legislation & Regulations
-  The Approval Process
-  Insurance
-  Licensing Requirements
-  Definitions










2. Occupational Health & Safety

-  Legal Responsibilities
-  Hazard Assessment
-  Designated Personnel
-  First Aid
-  Emergency Procedures
-  Ensure Safety on Site
-  Falls
-  Moving Plant
-  Electrical Safety
-  Safety Signs
-  Formwork & Falsework
-  Exclusion Zones
-  Demolition Safety
-  Asbestos
-  OH&S Construction Induction
-  Manual Handling
-  Noise
-  PPE
-  Codes of Practice
-  SWMS
-  Site Security
-  Hazardous Substances
-  Material Safety Data Sheets
-  Plant & Equipment

3. Drawings, Estimating, Cash Flow

-  Drawings & Specifications
-  Estimating
-  Developing the Project Cash Flow
-  Job Costing

4. Administer Contracts





-  What is a Contract
-  Types of Building Contracts
-  Contract Documentation
-  What must a Contract Contain
-  Contract Terms
-  Managing the Contract Administration
-  Site Diary
-  Job Reporting & Site Progress Reports
-  Job File Management

5. Managing the Work



-  Managing the Site
-  Communication
-  Negotiation
-  Avoiding the Dispute
-  Meetings
-  Planning
-  Site Survey & Set Out
-  Amenities for Construction Work
-  Waste Management
-  Environmental Issues
-  Site Inspections
-  Building Defects

THE PARTICIPANTS GUIDE

The *Participants Guide* provides the following information:

-  Subjects relating to the building, renovation or refurbishment of a home.
-  Learning Activities against each topic.
-  Self Test Questionnaires against each topic.
-  Reference Guide as to where further information can be obtained.

The *training* is designed for flexible delivery and may be delivered in the following ways:

-  By *Distance Learning*. If the participant is a person who can study independently this could be to their advantage. The participant is able to study at home with the support from the trainer.
-  By a combination of *face to face instruction, independent study* and completing a range of *Learning Activities* that will require the participant to research certain information obtained through relevant websites, government authorities, booklets, etc. with the support from the trainer.

The *successful completion* of this program will result in the participant being able to apply for a **Home Owners Builders Permit in NSW**.

Learning Activities & Self Test Questionnaires

The Learning Activities and the Self Assessment Questionnaires are designed to reinforce the learning contained within each topic.

The Learning Activities in particular are also designed to allow you the Owner Builder to relate each topic to *your own* project.

Discuss each activity with your trainer, they are able assist you in determining if the evidence you collect against each activity is relevant to your project.

Your trainer may also be able to help you to locate other resources or materials which could assist you, for example - access to existing correspondence, reports etc from a typical Owner Builder project which may give you ideas about how to proceed.

Reference Guide

The *Reference Guide* at the end of each topic will provide the Participant information as to where they can access further information than that provided in this guide. Related websites will be listed. A list of the Legislation and Regulations will be provided as a summary of each topic. Also included is a list of recommended reading options or resources that may assist the participant to gain a more in-depth insight into the topics outlined in each section.

THE PARTICIPANTS GUIDE

MODULE 1 -CONTENTS



Becoming an Owner Builder	
Introduction	3
Getting a Permit	5
Self Test Questionnaire	9
House Construction	
Introduction	10
Stages of Construction – Before you Start	14
Preliminary Checklist	15
Sequence of Work	16
Stages of Construction – The Building Process	17
Self Test Questionnaire	23
The Professionals	
Introduction	24
Architect/Draftsman	24
The Valuer	24
Town Planner	24
Surveyor	25
Structural Engineer	25
Electrical/Mechanical Engineer	25
Hydraulic Engineer	25
Geotechnical Engineer	26
Accredited Certifier	26
Builders	29
Sub Contractors	30
Self Test Questionnaire	39
The Authorities	
Introduction	40
Local Municipal Council	41
Mine Subsidence Board (See page 52 also)	41
Water Supply	42
Sewerage Drainage	42
Electrical Supply	42
Gas Supply	43
Scaffolding Regulations	43
Telephone Connection	43
Builders Licensing Authority	43
Department Infrastructure Planning & Natural Resources	44
Office Fair Trading	45
Building Professionals Board	47
Council Functions	49
Mine Subsidence Board (See page 41 also)	52
Australian Safety and Compensation Council (ASCC)	55
WorkCover	58
Self Test Questionnaire	64

THE PARTICIPANTS GUIDE

MODULE 1 - CONTENTS



Compliance with Legislation & Regulations	
Local Government Act 1993	65
Home Building Act 1989	66
Environmental Planning & Assessment Act 1979	68
BASIX	70
National Standard for Construction Work	72
Occupational Health & Safety Act 2000	74
Australian Standards	77
Building Code of Australia (BCA)	80
NSW Housing Code	83
Self Test Questionnaire	88
The Approval Process	
Development Applications	89
Legislation & Planning Instruments	93
Assessment of the Development Application	96
Mine Subsidence	101
Self Test Questionnaire	105
Insurance	
Introduction	107
Summary of Policy Covers	108
Insurance Providers	112
Home Warranty Insurance	113
Workers Compensation Insurance	117
Workers Compensation for Sub Contractors	120
Workplace Injury Management	123
Self Test Questionnaire	128
Licensing Requirements	
Home Building Licence	129
Licence Categories	129
Home Building Licence Check	131
Occupational Licensing	132
Self Test Questionnaire	136
Definitions	137
Further Reference	141

THE PARTICIPANTS GUIDE

MODULE 2 – CONTENTS



Introduction – How does OH&S apply to the Owner Builder	1
Legislative Requirements	
Relevant Acts Associated with Safety	2
Penalties	5
Workplace Injury Management & Workers Compensation Act	6
Regulations Associated with Safety	8
Who is in Control	9
Australian Safety Compensation Council	12
National Standard	15
Documentation	18
Daily Site Procedures relating to Safety	19
Hazard Assessment	21
Designated OHS Personnel	26
First Aid	29
Emergency Procedures	34
Fire Fighting Equipment	41
Incident Reporting (See Page 57 Also)	43
Ensure Safety On Site	
Introduction	46
Trenches & Excavations	47
Dust	47
Electricity	48
Head Injuries	48
Falls (See Page 62 Also)	49
Ladders (See Page 71 Also)	50
Scaffolding (See Page 69 Also)	51
Explosive Power Tools	52
Bad Backs	53
Noise (See Page 139 Also)	53
Eye Injuries	54
Skin Cancer	54
Chemicals	55
First Aid (See Page 29 Also)	56
Reporting Accidents & Dangerous Occurrences (See Page 43 Also)	57
Other Considerations:	
Alcohol & Drugs	
Amenities	
Workers Compensation	
Rehabilitation	58
Summary	59
Falls (See also Page 49)	
Prevention of Falls in General Construction	62
Falls from more than 2 Metres	64
Height Safety in Summary	67
Scaffolding (See also Page 51)	69
Fall Arrest Systems	70
Ladders (See also Page 50)	71
Roofing	72
Moving Plant	74

THE PARTICIPANTS GUIDE

MODULE 2 - CONTENTS



Electrical Safety	80
Safety Signs	86
Formwork & Falsework	91
Minimum Requirements	92
Formwork Checklist	98
Formwork Failures	99
Exclusion Zones	101
Demolition Safety	121
Demolition Checklist	123
Asbestos	
Introduction	127
Responsibilities	130
Asbestos Management Plan	132
Risk Assessment	139
Control Measures	140
OH&S Construction Induction	145
Manual Handling	148
Noise (Also See Page 53)	156
Personal Protective Equipment (PPE)	160
Codes of Practice	165
Safe Work Method Statements (SWMS)	168
Site Security	173
Hazardous Substances	176
Material Safety Data Sheets	197
Plant & Equipment	
Hazard Identification	201
Practical Solutions	204
Plant Requiring Certified Operators	205
Machine Guarding	206
Safe Use of Explosive Power Tools	207
Safe Use of Hand Tools	210
Avoiding Injury Whilst Using Hand Tools	214
Underpinning Knowledge Questionnaire	219
Further Reference	230

MODULE 3 - CONTENTS



Drawings & Specifications	
Introduction	2
Building/Construction Drawings	6
Specifications	15
Self Test Questionnaire	20
Estimating	
Outline of an Estimate	21
Components of Net Cost	21
Diagramatic Layout of Estimate Compilation	25
Materials Control	27
Sub Contractor Relationships	29
Trade Order	33
The Builders Take Off	45
GST Considerations	47
Sub Contract Work in Relation to the Take Off	49
The Contractors Quotation	55
Self Test Questionnaire	63
Developing the Builders Project Cash Flow	
Sections of a Cash Flow	64
The Project Cash Flow Projection	65
Cash Flow Projection Example	67
Self Test Questionnaire	71
Job Costing	72
Definition of Terms Used in Estimating	76
Further Reference	85

MODULE 4 - CONTENTS



Contracts

What is a Contract	2
Types of Building Contracts	8
Contracts Documentation	13
Contract Checklist When Entering a Contract with a Builder	16
Contract Checklist When Entering a Contract with a Sub Contractor	18
Fundamentals of Contract Administration	25
Contracts Administration	27
Prior to Raising the Contract	28
Raising the Contract	28
Contract Terms	31
Self Test Questionnaire	41

Administration

Introduction	44
Job Reporting & Site Progress Reports	45
Business Forms	48
Materials & Plant Administration	54
The Order System	55
Memo & Credit Request	57
Self Test Questionnaire	62

Job File

Setting up the File	63
Job File Sections	64
Document Summary	69

Site Diary

Introduction	72
Sample Diary	73
Self Test Questionnaire	77
Further Reference	78

MODULE 5 – CONTENTS



Managing the Site

Introduction	3
7 Ways to Succeed as a Project Manager	4
7 Ways to Fail as a Project Manager	6
Project Management Functions	8
Self Test Questionnaire	11

Communication

The Communication Process	12
Planned Communication	15
Causes of Communication Barriers	17
Factors that will Effect Communication	17
Listening in Communication	18
Writing Good Letters	21
Writing Memos, Facsimiles & Emails	26
Writing Reports	30
Self Test Questionnaire	37

Negotiation

Negotiation Defined	38
Negotiation Outcomes	40
7 Elements of Negotiation	43
Self Test Questionnaire	48

Avoiding the Dispute

Introduction	49
Conflict	50
Conflict Resolution Styles	52
4 Stages of Conflict Resolution	54
Resolving Conflict	55
Building Disputes & Resolution	58
Self Test Questionnaire	61

Meetings

Introduction	63
Meeting Notice	64
Lead Up Meeting	65
Examples – Site Meeting Minutes	66
Self Test Questionnaire	71

THE PARTICIPANTS GUIDE

MODULE 5 – CONTENTS



Planning

Introduction	72
Construction Planning What is it?	74
Construction Checklist	76
Program Management	80
Bar Charts	81
The Programming Process	86
Learning Activity No. 6	88
Fine Tuning the Planning Process	90
Processing Job Changes	91
Self Test Questionnaire	95
Site Survey & Site Preparation	96
Surveying Techniques	97
Levelling	98
Surveying Equipment	99
Simple Surveying Techniques	101
Site Preparation	106
Site Set Out	106
Self Text Questionnaire	116
Amenities for Construction Work	
Types of Workplaces	117
General Provision for all Workplaces	118
Self Test Questionnaire	121
Waste Management Where to Begin	122
Reuse and Recycle	124
Self Test Questionnaire	127
Site Inspections	
What Inspections are Necessary	128
Site Inspection Plan	129
What is a Dilapidation Report	138
Council Private Certifier Inspections	141
Inspection of Essential Services	142
WorkCover Inspections	143
Extracts of the OH&S Act	145
Site Safety Inspection Checklist	148
Quality Inspections – Building Defects	
Structural Cracking & Movement	150
Deformation	156
Dampness	160
Structural Timber Pest Damage	166
Self Test Questionnaire	170
Further Reference	172

COPYRIGHT



© 2010 Department of Services Technology and Administration
NSW Fair Trading

All rights reserved
No part of this module may be reproduced
in any manner whatsoever without written permission
from Department of Services Technology and Administration
NSW Fair Trading
McKell Building 2-24 Rawson Place
Sydney NSW 2000

Tel: 02 9372 8877
Fax: 02 9372 8640

DISCLAIMER

Department of Services Technology and Administration NSW Fair Trading does not warrant the accuracy of any information contained herein, and will not be liable for any reliance by any course participant or other person upon the same.

The said information is intended for use as an educational guide only and for course participants only.

Course participants should always make their own proper inquiries and investigations and seek appropriate independent legal and/or accounting and/or business/financial advice before making any decision or engaging in any activity the subject of, or related to, or arising out of the subject matter of the said information.

Further (and without limiting the generality of the foregoing), Department of Services Technology and Administration NSW Fair Trading does not warrant the accuracy of any government or industry rule, policy, practice, fee, form or requirement referred to in the said information, and it is acknowledged that such things are by their nature subject to change without notice from time to time.