

Engineering and Construction Contract Works Information Guidance

An NEC document

January 2012

NEC wishes to acknowledge and thank the NEC3 ECC Works Information Guidance project team for their input to this guidance.

NEC is a division of Thomas Telford Ltd, which is a wholly owned subsidiary of the Institution of Civil Engineers (ICE), the owner and developer of the NEC.

CONTENTS

Chapter 1	Introduction	1
Chapter 2	The status of Works Information The function of Works Information The relationship between Works Information and Contract Data The relationship between Works Information and Site Information The relationship between Works Information and pricing documents Works Information as a contract document	3 3 4 4 5
Chapter 3	Drafting Works Information Incorporation of standard specifications Examination of a typical traditional specification Health and safety information General drafting advice	7 7 7 9 10
Chapter 4	ECC references to Works Information	13
Chapter 5	Employer's Works Information Example Works Information Structure Guidance and Checklist	19 20 21
Chapter 6	Works Information provided by the Contractor for his design	35

nec[®]3 Chapter 1 Introduction

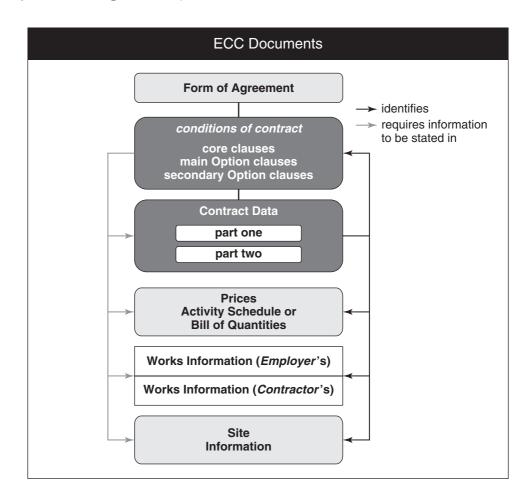
The purpose of this guide is to help users to produce Works Information for the NEC3 Engineering and Construction Contract (ECC).

The convention of using italics for terms which are identified in the Contract Data of the ECC and capital initials for terms defined in the ECC has been used in this guide.

Good quality Works Information is vital to achieving better outcomes for projects and reducing misunderstandings and disputes. Works Information should be prepared with individual project requirements and the operation of the ECC in mind.

All NEC contracts refer to 'information' which sets out what the Parties are required to do under the contract. The obligation to work in accordance with that information is set out in the *conditions of contract*.

The diagram below shows the relationship between the constituent parts of a contract including the Works Information. Contract Data identifies the documents forming the contract. The *conditions* of *contract* refer to each part of the contract and require information to be stated in them. The form of agreement may be used to record the agreement between the Parties on the basis of the Contract Data, or the Parties may rely on an exchange of correspondence to establish the contract.



Information and documents required for the contract must be in the right part of the contract. If documents are located in the wrong place, it may cause confusion and risk that the documents are not properly incorporated. For example, information which describes the works must be identified in the Works Information. The diagram shows that Works Information is identified in Contract Data. Therefore, all documents and information which describe the works or state constraints must be identified as Works Information and listed in Contract Data. This includes information contained within correspondence and minutes of meetings which describes the works to be provided. The approach which results in the least uncertainty is to extract relevant information from correspondence and minutes of meetings and properly integrate it in the Works Information. Works Information will often consist of multiple documents and sections, in which case a contents list should be provided.

The clarity achieved by this contract structure and the separation of its parts is helpful to users and significantly reduces ambiguity and the potential for disputes.

This guidance will help users to draft and assemble Works Information correctly. Chapter 2 describes the status of Works Information and the relationship between Works Information and the other parts of the ECC. Chapter 3 provides advice on drafting and how to achieve clarity. Chapter 4 is a checklist of information to be provided in Works Information, as required by the conditions of contract. Chapter 5 suggests an outline structure, including a list of topics to be considered for inclusion in the Works Information.

The requirement for good 'information' describing the work or services to be provided applies to all contracting systems. It is an objective of NEC to provide a contract which is clear and simple and promotes effective management and delivery of the works.

*** nec*3 Chapter 2 The status of Works Information

The function of Works Information

Works Information is defined as

"11.2(19) Works Information is information which either

- specifies and describes the works or
- · states any constraint on how the Contractor Provides the Works

and is either

- in the documents which the Contract Data states it is in or
- in an instruction given in accordance with this contract."

Works Information should be a complete and precise statement of the *Employer*'s requirements. If it is not, there is a risk that the *Contactor* will interpret it differently from the *Employer*'s intention.

Works Information prepared by the *Employer* is separated from Works Information prepared by the *Contractor* relating to his design. The *Employer*'s Works Information is prepared first and the *Contractor* uses this to prepare the information relating to his design. The *Employer*'s Works Information has priority over the *Contractor*'s Works Information under ECC subclause 60.1(1).

Works Information provided by the Employer includes

- technical information, specifications and drawings describing the works,
- constraints on how the *Contractor* Provides the Works, including specific safety requirements and
- *Employer's requirements* for work to be designed by the *Contractor*.

Works Information provided by the *Contractor* is particulars of the *Contractor*'s design for *works* he is required to design.

The Contractor's primary obligation under ECC is stated in subclause 20.1.

"20.1 The Contractor Provides the Works in accordance with the Works Information."

When this subclause is read in conjunction with subclause 11.2(19) and the following subclauses, the importance of Works Information is clear.

- "11.2(2) Completion is when the Contractor has
 - done all the work which the Works Information states he is to do by the Completion Date and"
- "11.2(5) A Defect is
 - a part of the *works* which is not in accordance with the Works Information or"
- "60.1 The following are compensation events.
 - (1) The *Project Manager* gives an instruction changing the Works Information except
 - a change made in order to correct a Defect or
 - a change to the Works Information provided by the Contractor for his design which is made either at his request or to comply with other Works Information provided by the Employer."

The conditions of contract make frequent reference to Works Information as illustrated above and later in Chapter 4. Works Information is therefore central to the operation of the contract.

Works Information should be drafted in accordance with the three key objectives of NEC, namely flexibility, clarity and stimulus to good management.

The Relationship between Works Information and Contract Data

Contract Data contains information needed to operate the contract, including the choice of main and secondary Options. Contract Data is the type of information often described in other forms of contract as the contract particulars or appendix. There are two parts. Part one contains the information provided by the *Employer* and part two is where the *Contractor*'s data and proposals are identified.

The ECC Guidance Notes contain detailed information on completion of the Contract Data.

The information set out in the Contract Data is not Works Information or Site Information, but it identifies the documents which contain Works Information. The *Employer* identifies the documents which contain his Works Information in Contract Data part one. The *Contractor* identifies the documents which contain the Works Information for his design in Contract Data part two. Where information is in non-documentary form such as models, they should be identified and their availability and location stated.

Works Information should not contain information which repeats, contradicts or creates an ambiguity with any information contained within Contract Data or with the conditions of contract.

The following documents are identified within Contract Data and are not Works Information

- · boundaries of the site,
- Partnering Information (if Option X12 is used),
- incentive schedule (if Option X20 is used),
- matters to be included in the initial Risk Register,
- information describing the Working Areas and
- the programme (if required at tender stage).

A further distinction is that the *Project Manager* can instruct a change to Works Information but cannot change Contract Data once the contract is formed.

The Relationship between Works Information and Site Information

The *Contractor*'s obligations regarding Works Information and Site Information are different. A clear separation between Works and Site Information is required. Site Information describes the condition of the Site before work starts. Works Information describes what is to be done on the Site.

Site Information is defined as follows

"11.2(16) Site Information is information which

- . describes the Site and its surroundings and
- is in the documents which the Contract Data states it is in."

Site is defined as

"11.2(15) The Site is the area within the *boundaries of the site* and the volumes above and below it which are affected by work included in this contract."

Site Information, as with Works Information, is incorporated by reference to documents listed in Contract Data. There are several distinctions between Site Information and Works Information, for example

- Site Information cannot be changed once the contract is formed.
- Site Information is used to assess compensation events resulting from physical conditions (subclauses 60.1(12) and 60.2).
- Ambiguities or inconsistencies in the Site Information are resolved in favour of the Contractor (subclause 60.3). This encourages full disclosure of information on the condition of the Site.

Site Information may include the following

- Subsoil investigation borehole records and test results.
- Reports obtained by the *Employer* concerning the physical conditions of the Site or its surroundings. This may include mapping, hydrographic data and hydrological information.
- References to publicly available information about the Site and surroundings, such as published papers and interpretations of the geological survey.
- Information about pipes, services and other objects below the surface of the Site.
- Information about buildings, structures and other features (including machinery adjacent to and on the Site).

Site Information is provided to help the *Contractor* to prepare his tender, to decide his method of working and programme and prepare designs for which he is responsible. Only factual information about the physical condition of the Site and its surroundings is included in Site Information. Statements of opinion – for example interpretation of soil investigation surveys – are not Site Information.

Some documents may contain both Works Information and Site Information. For example, a document may show an existing structure alongside details of a new structure. The following example shows how Site Information and Works Information can be separated.

Works Information – Example Drawing List

Drawing No.	Description
0100 0200	New Factory Building Existing Factory Building (proposed features)

Site Information – Example Drawing List

Drawing No.	Description
0200 0300	Existing Factory Building (existing features) Existing Mains Services

The Relationship between Works Information and pricing documents

A clear distinction exists between Works Information and the pricing documents i.e. the Activity Schedule or Bill of Quantities. Information in the pricing documents explains the Prices and should not describe the works. The Contractor's obligation is to Provide the Works in accordance with the Works Information.

Statements about pricing of work should not be in the Works Information, as they neither specify or describe the *works*, nor do they state constraints.

Information in the pricing documents does not change the obligation of the *Contractor* to Provide the Works in accordance with the Works Information.

Works Information as a contract document

Some forms of contract use provisions creating a hierarchy or priority of documentation as a means of resolving ambiguities and inconsistencies in or between documents. This is not the approach taken by NEC.

Priority clauses can interfere with the natural interpretation of documents as intended by the Parties. Such an indiscriminate approach to resolving ambiguities and inconsistencies can cause problems.

As explained in Chapter 1, the ECC describes the function of each document forming part of the contract. This provides clarity as to the relevance and purpose of each document in the contract. The *conditions of contract* then deal with any remaining ambiguity or inconsistency in or between the documents.

The ECC deals with ambiguities and inconsistencies between the documents forming the contract at subclause 17.1.

"The *Project Manager* or the *Contractor* notifies the other as soon as either becomes aware of an ambiguity or inconsistency in or between the documents which are part of this contract. The *Project Manager* gives an instruction resolving the ambiguity or inconsistency."

Such an instruction from the *Project Manager* changing the Works Information is a compensation event (subclause 60.1(1), second bullet) except where the instruction is a

"change to the Works Information provided by the *Contractor* for his design which is made either at his request or to comply with other Works Information provided by the *Employer.*"

There is no priority of documents in ECC other than the hierarchy of *Employer*'s Works Information compared to *Contractor*'s Works Information in subclause 60.1(1). Works Information should be drafted to avoid any conflicts or contradictions. Works Information may consist of several documents drafted by different contributors. Ambiguities or inconsistencies between documents should be corrected before the documents are issued.

***Tec** 3 Chapter 3 Drafting Works Information

Incorporation of standard specifications

Works Information should be clear, complete and precise. Subjective terms should be avoided to reduce the risk of misinterpretation and dispute.

Standard specifications drafted for use on previous projects or with other standard forms of contract should be reviewed and amended as appropriate, prior to incorporation. Drafting shortcuts such as 'All references to Specification shall mean Works Information' is likely to cause problems. Each reference should be checked for correct use in relation to the duties and responsibilities of the *Employer, Contractor, Project Manager* and *Supervisor*.

The duties of the *Project Manager* and the *Supervisor* are set out in the conditions of contract.

The substitution of 'Project Manager' for 'Engineer' as a drafting short-cut can cause confusion for the following reasons.

- The ECC *Project Manager* may not have the same duties as the Engineer in other contracts. Some of the Engineer's duties may be undertaken by the *Project Manager* and some by the *Supervisor* or *Adjudicator*.
- The ECC is more prescriptive on what can be done by the *Project Manager* on certification than other standard contracts.
- The 'acceptance' of a communication by a *Project Manager* may differ from an 'approval' given by an Engineer in other contracts. ECC subclause 14.1 states

"The *Project Manager*'s or the *Supervisor*'s acceptance of a communication from the *Contractor* or of his work does not change the *Contractor*'s responsibility to Provide the Works or his liability for his design."

Standard specifications should be checked to ensure consistency with other parts of the contract. For example, risk allocation varies from contract to contract and references to *Employer*'s and *Contractor*'s responsibilities within standard specifications need to be checked.

In their publication *Managing Reality* (Thomas Telford Publishing, 2005), Mitchell and Trebes give the following examples of specification ambiguity.

Examination of typical traditional specification

W.1	Water mains
W1.1	If, in the <u>opinion of the Engineer</u> , there is undue delay in the application of the first hydraulic test, or of any subsequent tests, or if any length of main should fill the test, the Engineer <u>may</u> direct the Contractor to suspend main laying operations until the length or lengths of main have been <u>satisfactorily</u> tested.
	[Note subjective words, 'in the opinion of' and 'satisfactorily', as well as the uncertainty regarding the Engineer's actions and the use of the term Engineer.]

W1.2	After <u>satisfactory</u> completion of pressure testing, each valve on and adjacent to, the pipeline shall be examined to witness that the opening/closing mechanisms function <u>satisfactorily</u> and are capable of functioning for their designated purpose. Isolating valves shall be examined by opening and closing the isolating gate three times. <u>All tests and examinations shall be witnessed by the Engineer's staff and the Contractor shall provide a witnessed certificate to this effect to the Engineer.</u>	
	[Note subjective word 'satisfactorily' and the use of the wrong terminology. The witnessing of the tests should be by the <i>Supervisor</i> . If a preface had been included in this specification to the effect that read <i>Project Manager</i> for Engineer, then the <i>Project Manager</i> would have an obligation that is the <i>Supervisor</i> 's under the <i>conditions of contract</i> and a conflict would exist. Note also that the <i>Contractor</i> is required to provide notification of results under the <i>conditions of contract</i> and this Works Information paragraph requires an extra obligation of the <i>Contractor</i> .]	
W2	Swabbing of water mains	
W2.1	Swabs will be provided by the Purchaser. Temporary pipework shall be provided by the Contractor.	
	[Note wrong terminology in Purchaser, where it should refer to <i>Employer</i> . Note also the vague nature of the statement. How many swabs will be provided? Where will/can they be obtained from?]	
W3	Water supply for testing and swabbing	
W3.1	For the purpose of the hydraulic testing of water-retaining structures and pipelines, the <u>Purchaser</u> will make available water from existing mains, at times and rates of flow to be decided by the <u>Purchaser</u> and agreed with the <u>Engineer</u> .	
	[Note wrong terminology: should be <i>Project Manager</i> and <i>Employer</i> , not Purchaser and Engineer. Note also that if the <i>Contractor</i> were to do the test, he is not involved in the decision of when the water is to be provided, although this could affect his programme.]	
W3.2	Water will be provided free of charge to the Contractor for the first test. In the event of any part of the work having to be retested the Contractor shall be required to pay for the supply of water on a volume basis at the prevailing rate of the Purchaser.	
	[Note wrong terminology: should be <i>Employer</i> , not Purchaser.]	
G1	Standards of materials	
G1.1	15th Statement of the DoE Committee on Chemicals and Materials of Constructions for use in Public Water Supplies and Swimming Pools.	
G1.2	The use of materials, including chemicals that do not meet the above criteria, shall be subject to the approval of the Engineer.	
	[Note under the conditions of contract 'acceptance' and not 'approval' is the terminology used. Also should be the <i>Project Manager</i> , not Engineer.]	
	Disinfection of pipework and structures	
G2	Distinction of pipework and structures	

Health and safety information

Subclause 27.4 requires the *Contractor* to act in accordance with the health and safety requirements stated in the Works Information. Further comment on this clause is given in Chapters 4 and 5.

www.neccontract.com © copyright nec 2012 9

Chapter 1

Chapter 2 The status of Vorks Information

> Chapter 3 Drafting Works Information

Chapter 4 ECC references Works Informati

Chapter 5
nployer's Works
Information

WI provided by the Contractor for his design

Employers should consider how to deal with health and safety requirements and documentation carefully when preparing Works Information. The associated constraints on how the *Contractor* Provides the Works should be included in the *Employer's* Works Information.

Many jurisdictions require health and safety risks to be evaluated by the *Employer* and then communicated to the *Contractor* as part of the procurement process. It may not be necessary to include the risk evaluation as a contract document, but it is necessary to check for consistency between the health and safety information, Works Information and Site Information.

UK Specific illustration:

The Construction (Design and Management) Regulations 2007 requires the preparation of Pre-Construction Information relating to health and safety and for this information to be provided to the *Contractor*. This may contain information which is both Works Information and Site Information. Care should be taken in deciding whether and how to include the Pre-Construction Information in the contract. Consider

- whether the information is Works Information or Site Information (see Chapter 2),
- how changes and developments to the information will be administered which changes can only be made by an instruction of the *Project Manager* and which can be changed by the *Contractor* to suit his own proposals,
- the legal requirement for Pre-Construction Information to be issued to the Contractor and
- the time difference between formation of the contract and the starting date during which the Pre-Construction Information may change.

In most cases, clarity will be achieved by keeping the Pre-Construction Information as a separate document. However, the Works Information must include information from the Pre-Construction Information which describes the *works* or states constraints and the Site Information must include or identify information which describes the Site.

General drafting advice

The following description of NEC drafting style will help users draft Works Information and other contract documents clearly.

- 1. A basic objective of NEC contracts is that they should be clear and simple. The drafting delivers clarity and simplicity of language. Simplicity also follows from the design of the management processes in the contracts.
- 2. One of the objects of using simple language in the contracts is that they should be easy for people whose first language is not English to use. A further advantage is that the contracts can be translated into other languages accurately.
- Vocabulary
- 3. Use the simplest possible words. Simple words have few syllables.
- 4. Do not use words which are not needed.

Sentences

- 5. Sentences should be as short as possible. Twenty words is fine. Never have more than forty. Use several short sentences instead of one sentence with several clauses.
- 6. Many statements are conditional. 'If this happens, the *Contractor* does this'. Put the condition first, not last and use 'if', not 'when'. 'If this happens, the

Contractor does this.' [not: 'The Contractor does this when this happens.'] Use 'when' only if timing is implied as in subclause 36.4.

7. Use commas properly. The pause which a comma creates can help understanding.

Bullets 8. Bullets are used when a clause includes a list. Do not use bullets for short lists with short descriptions. The following does not need to be bulleted:

"The Contractor arranges for 'Hail to the Chief' to be played by a brass band outside the Project Manager's office at 9 a.m. on

- Mondays,
- Wednesdays,
- Fridays and
- his birthday."
- 9. A useful check is that punctuation of bulleted sentences should work if the bullets are removed. Bullets end with a comma except the last but one which ends with 'and' or 'or' and the last which ends with a full stop. Do not put a comma before 'and'. 'And' replaces the comma before the last item on a list as above.
- 10. Whenever possible, put bullets at the end of a sentence. Having a bit more of the sentence after a bulleted list is clumsy as the reader does not expect the text and the sentence can become very long and not easy to understand.
- 11. Bullets are indented. Bullets within bullets should be avoided if possible. If used, as in subclause 31.2, use a double indent.

Adjectives and Adverbs 12.

- Old-fashioned contracts use a lot of adjectives and adverbs. NEC contracts use the absolute minimum, which is hardly any. This is perhaps the most important drafting convention for NEC. Use an adverb or adjective only if it is really unavoidable.
- 13. Verbs and nouns are usually precise, adverbs and adjectives are usually imprecise. 'The *Contractor* does all urgent work quickly' is easy to understand. Unfortunately, you can argue about the meaning of 'urgent' (adjective) and 'quickly' (adverb). 'The *Contractor*' (noun), 'does' (verb) and 'work' (noun) are precise. To make the point absurdly, 'George ate a hefty meal unhurriedly' is vague but not meaningless. 'George ate a meal of 42 mouthfuls in 21 minutes' is boring but precise. Contracts are not intended to be a good read. They have to state who does what in words of unarguable precision and clarity.
- 14. Some adverbial phrases are as imprecise as adverbs, e.g. 'quickly' in 'come quickly' is obviously an adverb. So, in effect, is 'as soon as you can' in 'come as soon as you can'.
- 15. This text, for example, about extension of time, comes from clause 44(1) of the ICE conditions fifth edition, adverbs and adjectives in italics.
- 16. It is impossible to decide whether an extension of time should be given and, if so, for how much, when and how described until the courts have decided what the adjectives and adverbs mean.
- 17. NEC drafting requires the absolute minimum of adverbs and adjectives. Some are innocuous as in subclause 65.2 which uses the adjective 'wrong' as in 'wrong forecast'.
- **Clauses** 18. Clauses should be as short as possible with no more than two sentences. They should cover only one subject.

Chapter 6
WI provided by the
Contractor for his design

- Tenses 19. Use the present tense for all statements of what somebody must do or not do. It is seldom necessary to use another tense. 'If the sky has fallen down, the *Project Manager* decides what the *Contractor* will do' uses three tenses. 'If the sky falls down, the *Project Manager* decides what the *Contractor* does' uses only the present.
- Capitals 20. Capital initials show that a term is defined in the contract. When drafting, test that a definition is right by putting it into the sentences where the defined term is used. These definitions are only abbreviations and must only be abbreviations. If there is anything to say about the defined term, it has to be in the clauses.
 - 21. There are exceptions. *Project Manager, Supervisor, Employer* and *Contractor* have capitals but are not defined.
- Particular words 22. 'May' in NEC means 'is allowed to' as in 'the Supervisor may instruct'

 Do not use it to mean that something might happen.
 - 23. 'Any' can usually be deleted.
- **Multiple Alternatives** 24. Either *a, b, c* or *d.* Bullet the alternatives if they are phrases of some length.

The following table identifies where the conditions of contract refer to Works Information. Works Information should provide the information required by the contract and identify project specific requirements.

The references are in the order that they appear in the conditions of contract and cross referenced to the model form provided in Chapter 5.

ECC subclause ref	Chapter 5	ECC subclause description	Guidance on what should be included in the Works Information
11.2(2)	WI 405, 410	Completion is when the Contractor has done all the work which the Works Information states he is to do by the Completion Date and corrected notified Defects which would have prevented the Employer from using the works and Others from doing their work.	In order for the <i>Project</i> Manager to decide that Completion has occurred, the Works Information must state clearly and unambiguously what work is to be done before Completion.
11.2(5)		A Defect is • a part of the works which is not in accordance with the Works Information or • a part of the works designed by the Contractor which is not in accordance with the applicable law or the Contractor's design which the Project Manager has accepted.	See Chapter 1.
11.2(7)		Equipment is items provided by the Contractor and used by him to Provide the Works and which the Works Information does not require him to include in the works.	
11.2 (19)		Works Information is information which either • specifies and describes the works or • states any constraints on how the Contractor Provides the Works and is either • in the documents which the Contract Data states it is in or • in an instruction given in accordance with this contract.	See Chapter 1.
20.1		The Contractor Provides the Works in accordance with the Works Information.	See Chapter 1.

ECC subclause ref	Chapter 5	ECC subclause description	Guidance on what should be included in the Works Information
21.1	WI 305	The Contractor designs the parts of the works which the Works Information states he is to design.	Define the parts of the works which the <i>Contractor</i> is to design. This can be done in a number of different ways. See Chapter
			5 for further guidance.
21.2	WI 310	The Contractor submits the particulars of his design as the Works Information requires to the Project Manager for acceptance. A reason for not accepting the Contractor's design is that it does not comply with either the Works Information or the applicable law. The Contractor does not proceed with the relevant work until the Project Manager has accepted his design.	State any procedures which the <i>Contractor</i> is to follow in carrying out his design and procedures for the submission of designs for acceptance by the <i>Project Manager</i> and Others.
22.1	WI 335	The Employer may use and copy the Contractor's design for any purpose connected with construction, use, alteration or demolition of the works unless otherwise stated in the Works Information and for other purposes as stated in the Works Information.	State any restriction or additional purpose for which the <i>Employer</i> may wish to use and copy the <i>Contractor's</i> design.
25.1	WI 905	The Contractor co-operates with Others in obtaining and providing information which they need in connection with the works. He co-operates with Others and shares the Working Areas with Others as stated in the Works Information.	Detail the activities of Others within the Working Areas.
25.2	WI 1005, 1010	The Employer and the Contractor provide services and other things as stated in the Works Information. Any cost incurred by the Employer as a result of the Contractor not providing the services and other things which he is to provide is assessed by the Project Manager and paid by the Contractor.	State the services and other things that are to be provided by the <i>Employer</i> and <i>Contractor</i> .
27.4	WI 1105	The Contractor acts in accordance with the health and safety requirements stated in the Works Information.	State any health and safety requirements for the project which the <i>Contractor</i> must follow.
31.2	WI 505	The Contractor shows on each programme which he submits for acceptance • the starting date, access dates, Key Dates and Completion Date, • planned Completion, • the order and timing of the operations which the Contractor plans to do in order to Provide the Works, • the order and timing of the work of the Employer and Others as last agreed with them by the Contractor or, if not so agreed, as stated in the Works Information,	State any additional information that the Contractor is to show on the programme. This may include dates for submission of designs and samples, dates for information or actions by the Employer and Project Manager and the timing of any test or inspection. Any requirements for the format of the programme should be stated, including the use of specific software

ECC subclause ref	Chapter 5	ECC subclause description	Guidance on what should be included in the Works Information
		 the dates when the Contractor plans to meet each Condition stated for the Key Dates and to complete other work needed to allow the Employer and Others to do their work, provisions for float, time risk allowances, health and safety requirements and the procedures set out in this contract, the dates when, in order to Provide the Works in accordance with his programme, the Contractor will need access of a part of the Site if later than its access date, acceptances, Plant and Materials and other things to be provided by the Employer and information from Others, for each operation a statement of how the Contractor plans to do the work identifying the principal Equipment and other resources which he plans to use and other information which the Works Information requires the Contractor to show on a programme submitted for acceptance. 	and the requirement for hard or electronic copies. Any requirements for resource or financial data in the programme should also be stated.
31.3	WI 600	Within two weeks of the Contractor submitting a programme to him for acceptance, the Project Manager either accepts the programme or notifies the Contractor of his reasons for not accepting it. A reason for not accepting the programme is that • the Contractor's plans which it shows are not practicable, • it does not show the information which this contract requires, • it does not represent the Contractor's plans realistically or • it does not comply with the Works Information.	Refer to subclause 31.2 above.
35.2	WI 440	The Employer may use any part of the works before Completion has been certified. If he does so, he takes over a part of the works when he begins to use it except if the use is • for a reason stated in the Works Information or • to suit the Contractor's method of working.	If the Employer requires to use any part of the works prior to Completion without taking it over, describe the part and set out the reason for it's use.
40.1	WI 705	The subclauses in this clause only apply to tests and inspections required by the Works Information or the applicable law.	Detail the tests and inspections required, the results expected and which parties are involved in the test and inspection process.

ECC subclause ref	Chapter 5	ECC subclause description	Guidance on what should be included in the Works Information
40.2	WI 705	The Contractor and the Employer provide materials, facilities and samples for tests and inspections as stated in the Works Information.	State the materials, facilities and samples to be provided by the <i>Contractor</i> and the <i>Employer</i> for tests and inspections and the timing of these.
41.1	WI 705	The Contractor does not bring to the Working Areas those Plant and Materials which the Works Information states are to be tested or inspected before delivery until the Supervisor has notified the Contractor that they have passed the test or inspection.	State the Plant and Materials which are to be tested and inspected before delivery to the Working Areas, including details of tests or inspections.
45.1	WI 440	If the Contractor is given access in order to correct a notified Defect but he has not corrected it within its defect correction period, the Project Manager assesses the cost to the Employer of having the Defect corrected by other people and the Contractor pays this amount. The Works Information is treated as having been changed to accept the Defect.	
45.2	WI 440	If the Contractor is not given access in order to correct a notified Defect before the defects date, the Project Manager assesses the cost to the Contractor of correcting the Defect and the Contractor pays this amount. The Works Information is treated as having been changed to accept the Defect.	
60.1(5)	WI 905	The Employer or Others • do not work within the times shown on the Accepted Programme, • do not work within the conditions stated in the Works Information or • Carry out work on the Site that is not stated in the Works Information.	Refer to subclauses 25.1 and 25.2
60.1(16)	WI 705	The Employer does not provide materials, facilities and samples for tests and inspections as stated in the Works Information.	Refer to subclause 40.2.
71.1	WI 1305	The Supervisor marks Equipment, Plant and Materials which are outside the Working Areas if this contract identifies them for payment and the Contractor has prepared them for marking as the Works Information requires.	State the requirements for marking Equipment, Plant and Materials which are outside the Working Areas by the Supervisor, for payment and transfer of title to the Employer. The Works Information should state which items are to be prepared for marking and how this is to be done.

ECC subclause ref	Chapter 5	ECC subclause description	Guidance on what should be included in the Works Information
73.2	WI 1310	The Contractor has title to materials from excavation and demolition only as stated in the Works Information.	The Works Information should state which materials arising from excavations and demolitions the <i>Contractor</i> has title to.
C, D and E 11.2 (25)	WI 1405, 1410	Disallowed Cost is cost which the Project Manager decides • is not justified by the Contractor's accounts and records, • should not have been paid to a Subcontractor in accordance with his contract, • was incurred only because the Contractor did not • follow an acceptance or procurement procedure stated in the Works Information or • give an early warning which this contract required him to give and the cost of • correcting Defects after Completion, • correcting Defects caused by the Contractor not complying with a constraint on how he is to Provide the Works stated in the Works Information, • Plant and Materials not used to Provide the Works (after allowing for reasonable wastage) unless resulting from a change to the Works Information, • resources not used to Provide the Works (after allowing for reasonable availability and utilisation) or not taken away from the Working Areas when the Project Manager requested and • preparation for and conduct of an adjudication or proceedings of the tribunal.	State any acceptance or procurement, procedures to be followed by the Contractor. State any constraints on how the Contractor is to Provide the Works. This is relevant to Options C, D and E where payment to the Contractor is based upon Defined Cost.
F 11.2 (26)	WI 1405, 1410	Disallowed Cost is cost which the Project Manager decides • is not justified by the accounts and records provided by the Contractor, • should not have been paid to a Subcontractor in accordance with his contract, • was incurred only because the Contractor did not • follow an acceptance or procurement procedure stated in the Works Information or • give an early warning which this contract required him to give or • is a payment to a Subcontractor for • work which the Contract Data states that the Contractor will do himself or	State any acceptance or procurement, procedures to be followed by the Contractor. This is relevant to Option F where payment to the Contractor is based upon Defined Cost.

ECC subclause ref	Chapter 5	ECC subclause description	Guidance on what should be included in the Works Information
C, D, E and F 52.2	WI 1505	The Contractor keeps accounts of his payments of Defined Cost, proof that the payments have been made, communications about and assessments of compensation events for Subcontractors and other records as stated in the Works Information.	Detail any other records to be kept by the Contractor.
X4.1	WI 1600	If a parent company owns the Contractor, the Contractor gives to the Employer a guarantee by the parent company of the Contractor's performance in the form set out in the Works Information. If the guarantee was not given by the Contract Date, it is given to the Employer within four weeks of the Contract Date.	Set out the form of parent company guarantee required.
X13.1	WI 1700	The Contractor gives the Employer a performance bond, provided by a bank or insurer which the Project Manager has accepted, for the amount stated in the Contract Data and in the form set out in the Works Information. A reason for not accepting the bank or insurer is that its commercial position is not strong enough to carry the bond. If the bond was not given by the Contract Date, it is given to the Employer within four weeks of the Contract Date.	Set out the form of performance bond required.
X14.2	WI 1800	The advanced payment is made either within four weeks of the Contract Date or, if an advanced payment bond is required, within four weeks of the later of • the Contract Date and • the date when the Employer receives the advanced payment bond. The advanced payment bond is issued by a bank or insurer which the Project Manager has accepted. A reason for not accepting the proposed bank or insurer is that its commercial position is not strong enough to carry the bond. The bond is for the amount of the advanced payment which the Contractor has not repaid and is in the form set out in the Works Information. Delay in making the advanced payment is a compensation event.	Set out the form of advanced payment bond required.

There are many different ways to structure Works Information.

A straightforward Works Information structure is suggested in the NEC3 ECC Guidance Notes. This outline generally follows the sequence in which subjects arise within the conditions of contract. Many good Works Information documents have been compiled using this structure as a guide.

The example Works Information structure in this Chapter does not follow the order in which subjects appear in the *conditions of contract*. Instead it is an arrangement of topics for describing the *works*, flowing from general explanations and requirements to specific details. This structure also permits the voluminous documents (such as work specifications) to be included as appendices to make navigation and digestion of other Works Information sections easier.

Guidance is provided for each Works Information section. This includes a checklist of topics to help users prepare a complete statement of the *Employer*'s requirements. The checklist provides a list of topics which might need to be included – most project will not use all items.

Example Works Information Structure

The numbering used below is indicative.

Section	Works Information (Employer's)	
WI 100	Description of the works	
WI 200	General constraints on how the Contractor Provides the Works	
WI 300	Contractor's design	
WI 400	Completion	
WI 500	Programme	
WI 600	Quality assurance	
WI 700	Tests and inspections	
WI 800	Management of the works	
WI 900	Working with the <i>Employer</i> and Others	
WI 1000	Services and other things to be provided	
WI 1100	Health and safety	
WI 1200	Subcontracting	
WI 1300	Title	
WI 1400	Acceptance or procurement procedure (Options C, D, E and F)	
WI 1500	Accounts and records (Options C, D, E and F)	
WI 1600	Parent company guarantee (Option X4)	
WI 1700	Performance bond (Option X13)	
WI 1800	Advanced payment bond (Option X14)	
WI 1900	Low performance damages (Option X17)	
WI 2000	Employer's work specifications and drawings	

apter 1 oduction

Chapter 2 The status of Works Information

Drafting Work

Chapter 4 ECC references to Works Information

> criapter 5 Employer's Works Information

Chapter 6 Works Information provided by the Contractor

Chapter 5 Employer's Works Information

Guidance and Checklist

This relates to the example Works Information structure shown above. Guidance relating to each Works Information section is provided in the grey boxes. A checklist of optional topics is also provided.

WI 100 Description of the works

Provide a general description of the work to be carried out under the contract. Do not repeat the definition of the works.

The general description should be consistent with the description in Contract Data part one, and identify the outline scope of the works to be provided. A general description of the Contractor's design responsibility may be included here. A detailed description is included in section WI 300.

The Employer's overall objectives for the project may also be stated, so that the Contractor understands them and can work with the Employer to achieve them.

A description of works to be undertaken by the *Employer* or Others is in section WI 900.

Checklist	Explanation
WI 105 Description of the works	As above.
WI 110 Project objectives	Explain 'why' the project is being undertaken. Specific objectives may include outcomes on safety, quality, time and functionality.

WI 200 General constraints on how the Contractor Provides the Works

State any general constraints on how the Contractor Provides the Works, which are not covered by other Works Information sections.

If project objectives are included, state the requirements imposed on the Contractor in helping to achieve them.

Constraints may include the checklist topics listed below. Constraints are restrictions on how the Contractor Provides the Works, not issues related to cash flow, funding or other requirements which conflict with the conditions of contract.

Checklist	Explanation
WI 205 General constraints	Examples of constraints. Use of the Site. Access to the Site. Deliveries. Noise and vibrations. Working hours, Parking. Use of cranes. Use (or non-use) of explosives. Restrictions on the use of hazardous materials. Storage of fuel and chemicals. Pollution, ecological or environmental impacts. Archaeological requirements. Interfaces between the works and existing things. Occupied premises and users. Employer specific policies and procedures. Constraints imposed to meet the requirements of Others (for example funders).

Checklist	Explanation
WI 210 Confidentiality	Confidentiality and publicity restriction, and any acceptance procedures.
WI 215 Security and protection of the Site	Security requirements for the Site and protection of the public.
WI 220 Security and identification of people	Security, vetting and identification of people working on or visiting the Site.
	Requirements for people visiting Site.
WI 225 Protection of existing structures and services	Specific requirements for the protection of existing structures, services, mains, trees and other plants. Requirements for maintenance of existing services. Procedures for working on existing structures and services.
	Refer to Site Information for location of existing things to be protected or procedures for identifying them.
WI 230 Protection of the works	Specific requirements for the protection of the works against damage.
WI 235 Cleanliness of roads	Requirements agreed with authorities for protecting and cleaning of access roads to the Site.
WI 240 Traffic management	Requirements and procedures for management of traffic, road closures and public highways. Communication and information requirements.
WI 245 Condition survey	Condition surveys to be carried out by the Contractor and any associated reinstatement works.
WI 250 Consideration of Others	Restrictions on work to avoid disturbance to the general public or occupiers of adjacent premises.
WI 255 Industrial relations	Specific requirements for the <i>Contractor</i> to comply with any industrial relations policies.
WI 260 Control of site personnel	Requirements for control of people working on or visiting Site.
	Permits and licences (for example permits to work).
WI 265 Site cleanliness	Keeping the Site clean and tidy.
WI 270 Waste materials	Removal of waste and restrictions on the disposal of waste material. Requirements for recycling.
WI 275 Deleterious and hazardous materials	Restrictions on the use of deleterious and hazardous materials.

WI 300 Contractor's design

Define the parts of the *works* which the *Contractor* is to design. The ECC is flexible in this respect. The responsibility for design can be described in a number of different ways, but in all cases, the part to be designed by the *Contractor* must be clearly identified. If the *Employer* carries out most of the design, a list of items designed by the *Contractor* may be stated. If the *Contractor* carries out most of the design, a list of items designed by the *Employer* may be stated.

State the procedures which the *Contractor* is to follow in carrying out his design and procedures for the submission of design for acceptance by the *Project Manager* and Others. Identify which parts of the design are required to be submitted to the *Project Manager* for acceptance.

Checklist	Explanation
WI 305 Design responsibility ECC 21.1	As above.
WI 310 Design submission procedures ECC 21.2	As above.
WI 315 Design approvals from Others ECC 27.1	State any requirement for design checks and approvals by Others.
WI 320 Employer's requirements	Identify the <i>Employer</i> 's requirements for the parts of the <i>works</i> to be designed by the <i>Contractor</i> . Examples of this information are listed below.
	 Specifications, including reference to relevant standards. Design standards and codes of practice. Size and/or space limitations. Loading and capacity requirements. Operational performance requirements and design life. Planning drawings and planning consents. Energy consumption targets Environmental standards Sustainability requirements Design quality evaluation criteria Employer's design reports Employer's standard design guidance.
WI 325 Design co-ordination	State what responsibility the <i>Contractor</i> has for co-ordination with Others in preparing his design and any responsibility for the coordination of design by Others.
WI 330 Requirements of Others	Explain the <i>Contractor</i> 's responsibility for obtaining and satisfying any necessary authority requirements (for example planning officials or government departments).
WI 335 Copyright/licence ECC 22.1	State any purpose for which the <i>Employer</i> may wish to use and copy the <i>Contractor</i> 's design if it is not as stated in subclause 22.1.

Checklist	Explanation
WI 340 Access to information following Completion	State the <i>Employer</i> 's requirements for access to information once the Defects Certificate is issued including timescale for the retention of information after Completion. Consider any need for computer software source code for example.

Chapter 1 Introduction

Chapter 2 The status of Works Information

Chapter 3 Drafting Works Information

Chapter 4 ECC references to Works Information

> **Chapter 5** mployer's Works Information

Chapter 6 Works Information provided by the Contractor



WI 400 Completion

Completion is when the *Contractor* has done all the work which the Works Information states he is to do by the Completion Date and corrected notified Defects which would have prevented the *Employer* from using the *works* and Others from doing their work. If the work which the Contractor is to do by the Completion Date is not stated in the Works Information, then Completion is when the *Contractor* has done all the work necessary for the *Employer* to use the *works* and for Others to do their work.

In order for the *Project Manager* to decide that Completion has occurred, the Works Information must state clearly and unambiguously what work is to be done before Completion.

Examples might include successful passing of stated key tests and provision of as-built documentation. Refer to section WI 700 for test and inspection requirements.

An alternative approach could be in the form of a statement of which part of the works can remain incomplete at the Completion Date.

It may also be useful to state the procedures to be adopted to ensure a smooth transition from construction to operation of the asset. This may also include procedures leading up to Completion and between Completion and the Defects Date.

Checklist	Explanation
WI 405 Completion definition ECC 11.2(2)	Work to be done by the Completion Date.
WI 410 Sectional Completion definition ECC X5.1 (Option X5)	As above for each Sectional Completion.
WI 415 Training	Training required for the <i>Employer</i> or Others and associated timescales.
WI 420 Final clean	Details of final clean, removal of temporary structures, materials, protection and tools.
WI 425 Security	Details of security arrangements and handover at Completion.
WI 430 Correcting Defects	Procedures for access for the correction of any Defects and process for liaison with the <i>Project Manager</i> and <i>Employer</i> .
WI 435 Pre-Completion arrangements	Requirements for preparing for take over.
WI 440 Take over ECC 35.2	Identify parts of the <i>works</i> that the <i>Employer</i> requires to use prior to Completion without taking it over. Details to include
	location of parts of the works andreasons for use.
	Contractor's access provision during period of use.

WI 500 Programme

State any information additional to the requirements of ECC subclause 31.2 that the *Contractor* is to include in the programme. This may include dates for submission of designs and samples, dates for information or actions by the *Employer* and *Project Manager*, and the timing of any test and inspection.

Any requirements for the format and content of the programme should be stated, including the use of specific software (if necessary) and the requirement for hard or electronic copies.

Checklist	Explanation
WI 505 Programme requirements ECC 31.2	As above.
WI 510 Programme arrangement	Any specific arrangement of the programme, including any requirement for the programme to be produced in levels (summary level to detail level).
WI 515 Methodology statement	Particular requirements for methodology statements, including any specific requirement for resource information.
WI 520 Work of the <i>Employer</i> and Others	The order and timing of the work of the <i>Employer</i> and Others to be included in the programme and information to be provided. Refer as necessary to sections WI 905 and WI 910.
WI 525 Information required	A schedule of information to be provided, who it is to be provided by, and the date by which it is to be provided.
WI 530 Revised programme	Any specific requirements for the submission of revised programmes, such as an explanation of changes.



WI 600 Quality management

Detail the requirements for quality control and management.	
Checklist	Explanation
WI 605 Samples	State the materials and samples required including any procedures for submission and acceptance.
WI 610 Quality statement	Any requirement for a quality statement from the Contractor.
WI 615 Quality management system	Any requirements for a quality management system, including accreditations or legislative standards.

WI 700 Tests and inspection

Detail the tests and inspections required and which parties are involved in the test and inspection process. Tests and inspections may also be detailed within work specifications. Ensure consistency of drafting between this section and the contents of WI 2000.

Tests and inspections might be required for

- Samples of plant or materials provided by the Contractor.
- Samples of workmanship.
- Equipment, Plant and Materials outside the Working Areas before payment or delivery.
- Work in the Working Areas.
- Plant and Materials, and work prior to Completion (see WI 400).
- Plant and Materials, and work after take over but before the defects date.
- System tests.
- Computer software tests.
- Performance tests.

State the materials, facilities and samples to be provided by the *Contractor* and the *Employer* for tests and inspections, and the timing of these.

State the Plant and Materials which are to be tested and inspected before delivery to the Working Areas, including details of the test or inspection.

Any test or inspection of Equipment, Plant and Materials outside the Working Areas which have to be passed before marking by the Supervisor for payment should also be stated.

If secondary Option X17 Low performance damages applies, detail the relevant performance tests.

State any requirements for commissioning or performance tests in this section, in the same way that other tests and inspections are described.

Further guidance is in the NEC3 ECC Guidance Notes.

Checklist	Explanation
WI 705 Tests and inspections ECC 40.1 ECC 40.2 ECC 41.1	Consider the following checklist for test and inspection details. Objective, procedure and standards to be used.
ECC 60.1(16)	When they are to be done.Where they are to be done.

Checklist	Explanation
	 Who does the tests, and who is in attendance. Testing and inspection method. The Equipment required and who provides it. Access arrangements. Information or instructions required to be provided. Materials, facilities and samples to be provided. Involvement of specialists. Acceptable results and deviations. Test environment. Documents to be provided before and after the test. Whether or not authorisation to proceed to the next stage of the work depends in the test results.
WI 710 Management of tests and inspections	Consider the requirement for a test and inspection schedule, containing all relevant information. State the procedures for submission and review.
WI 715 Covering up completed work	State timescales for the covering up of works which have been tested.
WI 720 Supervisor's procedures for inspections and watching tests	State any inspection procedures required by the Supervisor.

WI 800 Management of the works

The Contract Data identifies the *Employer, Project Manager, Supervisor* and *Contractor* and states what each is required to do. It is important, in using this section, not to contradict these obligations and duties. If any of their duties are delegated to Others, the extent of the delegation should be set out.

The ECC establishes a procedural framework based on good project management practice. It may be helpful to detail the communication procedures required to support this.

This may include a framework of regular meetings, attendees required and outputs. Explain how people will be involved in the management of the *works* and how communications are to be managed. Consider the use of a chart setting out the roles and responsibilities of the various parties involved.

State whether an internet based collaboration tool or other electronic communication system is to be used.

Checklist	Explanation
WI 805 Project team – Others	As above.
WI 810 Communications	State any communication procedures which the <i>Contractor</i> is required to follow. Consider the following.
	 Meetings, attendees and meeting records. Reporting requirements (e.g. progress reports). Information requirements. Electronic systems and communications. Use of standard forms and templates. Terminology and abbreviations.

WI 900 Working with the Employer and Others

Detail the activities of Others within the Working Areas.

The *Contractor* is required to co-operate with Others in obtaining and providing information which they need in connection with the *works*. State any requirements that have been agreed with Others.

Checklist	Explanation
WI 905 Sharing the Working Areas with the <i>Employer</i> and Others ECC 25.1 ECC 60.1(5)	Provide a list of activities to be undertaken, explaining the following. • What is being done.
	 Who is doing it. When it is being done, and for how long. Where it is being done. How the <i>Contractor</i> is to co-operate and share the Working Areas.
WI 910 Co-operation	Identify known information requirements, for the <i>Contractor</i> to obtain from Others or provide to Others, and timing.
WI 915 Co-ordination	State how the Contractor is to liaise with the Employer and Others for the co-ordination of works and access.
WI 920 Authorities and utilities providers	Identify works to be carried out by authorities and utilities providers. State the responsibility for enquiry, management, procurement, provision of notices and payment.

WI 1000 Services and other things to be provided

State the services and other things that are to be provided by the *Employer* for use by the *Contractor*, and by the *Contractor* for use by the *Employer*, *Project Manager* or Others. Identify who they are provided for. It is not necessary to list things that the *Contractor* requires for his own use to Provide the Works.

State any requirements for quality and maintenance of services to be provided.

Checklist	Explanation		
WI 1005 Services and other things for the use of the <i>Employer, Project Manager</i> or Others to be provided by the <i>Contractor</i> ECC 25.2	May include the following. Accommodation. Meeting rooms. Storage facilities. Catering. Medical facilities and first aid. Recreation. Sanitation. Security. Copying. Telephone, fax, radio or CCTV. Computer equipment and services. Sign boards and other signage. Safety equipment and services. Fences, screens and hoardings. Postage. Maintenance of access roads. Temporary facilities. Utilities, e.g. water and power. Meter readings.		
WI 1010 Services and other things to be provided by the Employer ECC 25.2	Same checklist as above. Consider the following also. • Access to the Site. • Space for accommodation. • Plant and Materials.		

WI 1100 Health and safety

State any health and safety requirements for the project which the *Contractor* must follow, in addition to the requirements of law.

Refer to Chapter 4 for guidance on the inclusion of health and safety information in Works Information and Site Information.

Checklist	Explanation		
WI 1105 Health and safety requirements ECC 27.4	Details of any additional health and safety requirements for the project, all which may include the following.		
	 Employer's safety requirements. Reporting requirements. Safety management, supervision and qualifications. Management of Subcontractors. Drug and alcohol policy. Site induction procedures. 		
WI 1110 Method statements	Detail the operations for which the <i>Contractor</i> is required to submit method statements and risk assessments to the <i>Project Manager</i> for acceptance.		
WI 1115 Legal requirements	If any health and safety duties are required by law, state who will perform them.		
WI 1120 Inspections	State any requirement for review and inspection of Contractor's health and safety procedures by the Project Manager.		

WI 1200 Subcontracting

The *Contractor* may subcontract work using an NEC contract. Any restrictions on the *Contractor* subcontracting work need to be set out.

The ECC does not provide for nomination of subcontractors, for the reasons explained in the NEC3 ECC Guidance Notes. Alternatives to achieve similar objectives are

- make the *Contractor* responsible for all work; he may then subcontract parts and the *Project Manager* retains some control over the identity of the Subcontractors using ECC clause 26 or
- provide for separate contracts, with the *Project Manager* managing the time and physical interfaces between them.

Checklist	Explanation
WI 1205 Restrictions or requirements for subcontracting	State any restrictions and additional procedures which the <i>Contractor</i> must follow.
WI 1210 Acceptance procedures ECC 26.3 ECC 11.2(25) – Options C, D and E ECC 11.2(26) – Option F	State any specific submission and acceptance procedures for proposed subcontracts not based upon an NEC contract. The basic requirement for submission and acceptance is dealt with at subclause 26.3.



WI 1300 Title

State the requirements for marking Equipment, Plant and Materials which are outside the Working Areas by the *Supervisor*, for payment and transfer of title to the *Employer*. The Works Information should state which items are to be prepared for marking, and how this is to be done. Identify any tests which must be passed before items are accepted for marking.

The Works Information should state which materials arising from excavations and demolitions the *Contractor* has title to.

Checklist	Explanation
WI 1305 Marking ECC 71.1	As above.
WI 1310 Materials from excavation and demolition ECC 73.2	Decide the title of materials from excavation and demolition. State whether the <i>Employer</i> wishes to salvage any such materials, and if so where they are to be delivered to or collected from, and by whom.

WI 1400 Acceptance or procurement procedure (Options C, D, E and F)

State any acceptance or procurement procedures which apply in addition to the constraints set out within section WI 1210. This is relevant to Options C, D, E and F where payment to the *Contractor* is based upon Defined Cost. The definition of Disallowed Cost refers to acceptance and procurement procedures stated in the Works Information.

WI 1500 Accounts and records (Options C, D, E and F)

Detail any records to be kept by the *Contractor*, in addition to those listed in subclause 52.2.

Checklist	Explanation		
WI 1505 Additional Records ECC 52.2 (Options C, D, E and F)	List the additional records to be kept by the Contractor. This may include the following.		
	 Timesheets and Site allocations sheets. Equipment records. Forecasts of the total Defined Cost. Specific procurement and cost reports. 		
	Define the format and presentation of records to be kept.		

WI 1600 Parent company guarantee (Option X4)

Include the form of parent company guarantee required.

WI 1700 Performance bond (Option X13)

Include the form of performance bond required.

WI 1800 Advanced payment bond (Option X14)

Include the form of advanced payment bond required.

WI 1900 Low performance damages (Option X17)

State the detailed requirements, performance standards and required tests, relating to any performance levels stated in the Contract Data for Option X17, if not already stated in section WI 705.

WI 2000 Employer's work specifications and drawings

Include here the detailed work specifications and drawings which describe the *works*. A contents list may be provided or the documents themselves may be included or both.

Guidance for including work specifications is in Chapter 3.

Checklist	Explanation	
WI 2005 Employer's work specification	Contents list or documents or both.	
WI 2010 Drawings	Contents list or documents or both.	

nec[®]3 Chapter 6 Works Information provided by the *Contractor* for his design

The purpose of this section of Works Information is to include the *Contractor*'s proposals and design details for *works* which he is to design. This may include Plant and Materials, workmanship specifications, details and drawings. A contents list may be provided or the documents themselves may be included, or both.

Note that, where particulars of the *Contractor*'s design are to be submitted for acceptance during the contract under subclause 21.2, these submissions form part of the *Contractor*'s Works Information. In that case, this information will change over time.

Works Information prepared by the *Employer* is separated from any Works Information prepared by the *Contractor* relating to his design. The *Contractor* cannot prepare his Works Information until the *Employer*'s Works Information has been prepared.

There should be no ambiguity or inconsistency between the *Contractor*'s Works Information and the *Employer*'s Works Information.

Care should be taken where the *Contractor* has offered an alternative proposal to the *Employer*'s Works Information. If the *Employer* decides to accept the alternative proposal, the *Employer*'s Works Information must be changed. There are two options for the *Employer* in this situation

- if the Employer assumes design responsibility for the alternative proposal, then the Employer's Works Information is changed to incorporate it. It is not included within the Contractor's Works Information, or
- if the *Contractor* retains design responsibility for the alternative proposal, then the *Employer*'s Works Information is changed to remove any redundant or conflicting content, and the alternative proposal is included in the *Contractor*'s Works Information.

Note that the *Employer*'s Works Information is treated as having priority over the Contractor's Works Information under subclause 60.1(1).