A Practical
Guide to the
NEC3 Engineering
and Construction
Contract

Second Edition

A Practical Guide to the NEC3 Engineering and Construction Contract

Second Edition

Michael Rowlinson

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Chapter 1

Introduction

1.1 General

In writing this guide I have set out to provide a view, much of it personal, as to how to get the most out of the third edition of the New Engineering Contract Engineering and Construction Contract (ECC). It is no secret that I am a fan of this contract and, as a result, may be willing to overlook what many perceive as it faults or weaknesses. In this guide I have tried to identify and suggest ways in which the procedures and aims of the contract can be simplified so that users do not become unnecessarily bogged down in procedure, but instead concentrate on achieving the goals of the ECC. This guide therefore goes through the procedure in detail as intended by the relevant clauses, but concentrates on practical issues to provide suggestions which the parties can use to achieve the overall intent and spirit of the ECC and to reach the common goal.

With this guide, you get what it says on the cover: A Practical Guide to the NEC3 ECC Form of Contract. It is a guide to provide users of the ECC, both novice and experienced, with a view of all its various philosophies, principles, mechanisms and vagaries. The reader will be guided through the contract in a manner that will enable him or her to use this guide for reference without necessarily having to read it all: in other words, a practical guide rather than a stuffy text book. That said, there will be an amount of cross-referencing between sections in order to avoid repetition, so users will need to follow these references to find more detailed supporting guidance to particular issues. One area that is not cross-referenced is the term 'spirit of mutual trust and cooperation' as found in clause 10.1 of the ECC, although used extensively throughout the guide. If users are uncertain of the meaning of this phrase, then they need to re-read Chapter 4.

To assist the reader in finding where any particular clause, related legal case or UK statute is referred to in the text, a comprehensive index of such references is included in Tables A1.1–A1.3 in Appendix 1.

The more I have worked with this contract over the years, the more I have come to think of it not as a contract but as a Project Management Procedures Manual. This should not be a surprise as the original contract was drafted by project managers for construction professionals (and not by lawyers for other lawyers and judges).

Nevertheless, we must not lose sight of the fact that the ECC is a contract and, as such, legally binds those parties that enter into a contract incorporating these standard terms.

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This second edition of the book was requested by the publisher after three successful years for the first edition. During that period, NEC had re-printed the third edition of the contract, together with the rest of the family. This re-print had made relatively minor amendments to a number of clauses and introduced a new secondary option for use in the UK. These amendments have been incorporated into the text as part of this revision. At the same time, references to the previous text have been expunged. The clauses that have been amended as part of the re-print are indicated in Table A1.1 of Appendix 1 by means of an asterisk (*) in the clause number column.

In addition, NEC had issued amendments in September 2011 which made changes to two of the Options (W2 and Y(UK)2) to cater for the amendments to the Housing Grants, Construction and Regeneration Act 1996 contained in the Local Democracy, Economic Development and Construction Act 2009, which became effective for all new contracts entered into from 1 October 2011. These had been referred to in the first edition of this book as being expected to be effective from 1 April 2011, but the delay had not been announced until the original text had gone to print.

Within this revision I have also taken the opportunity to make amendments and additions to the contents to include my own evolving knowledge of the ECC and developments to the practical side which have come to my attention from various sources. Some useful suggestions from reviewers of the first edition commissioned by the publisher have also been considered and included as appropriate and practical.

1.2 Mechanics not law

Being a practical guide, this book considers the mechanics of the contract and not of the law. As a practicing construction professional, I am interested in the successful outcome of the project for all parties involved. From my point of view, the employing organisation should get what it wants in terms of a project finished on time, to the required quality and within budget (providing, of course, that the budget was reasonable in the first place). The consultants should be recognised for their contribution, whether it be design, management or commercially orientated, and be paid a reasonable fee for the service they provide. The contractors and subcontractors who carry out the work should be allowed to work efficiently, be recognised as having contributed to the project and make a profit.

Only those projects that satisfy all of the above criteria should be considered as being successful. Every organisation, whether it be a company, partnership or individual who is involved in a project, has its own needs and goals from that project. A good project will recognise this simple fact of business. It is when all the parties involved recognise each other's business goals (see Section 4.4.3) from the project, and work to align these goals, that success is achieved for all. As soon as one of the organisations involved feels dissatisfied, then the seeds of a dispute have been sown. As the industry knows, such seeds germinate easily and freely; once they appear on a project they can spread faster than any invasive weed.

Following on from the earlier editions, the ECC is drafted to impose the best practices within project management on the parties with the goal of avoiding disputes. It is the

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mechanics of these procedures and how to make them work effectively that is the focus of this guide.

As a consequence the guide does not consider the law in relation to the ECC, except where reference is needed to explain why something is included or to confirm that, in relation to the law in the UK, those requirements have been complied with by the ECC (or not as the case may be).

1.3 A simple formula for understanding a contract

Let us face it: all contracts are confusing when you first try to work out what it all means. I picked up a simple formula for considering contracts many years ago from an experienced Chief Quantity Surveyor of a contracting organisation, who came to my then local centre of The Chartered Institute of Building to give an evening talk on Joint Contracts Tribunal (JCT) Contracts. It did not matter that he was talking about JCT Contracts. What I took away from that talk was a formula which I still use today in relation to any contract or procedural document that I encounter; this formula holds good in all such situations. I still have the piece of paper on which I noted the few words I needed to remind me of what to do. I rarely look at that piece of paper now as the formula has become second nature to me in relation to every contract or set of procedures which I read.

The formula is in two parts. The first part can be remembered by four words: WHO, WHAT, WHEN and HOW.

To expand, a contract is a document which sets out the rights and obligations of the parties to that contract, no matter what the contract is for. In the construction and related industries such contracts cover (usually by necessity) a range of extensive rights and obligations for both parties, how such rights and obligations are to be administered and the involvement of agents to carry out specified duties for one or both of the parties. WHO, the first of our four key words, relates to the administration of these rights and obligations. The WHO in the ECC will be one of the five named persons including the Employer, the Project Manager, the Supervisor, the Contractor or the Adjudicator. The specific roles of these individuals are covered in detail in Sections 5.2–5.6.

By its processes and procedures, the ECC sets out WHAT must or may be done in the event that a certain circumstance arises. The WHAT will involve the WHO doing something as set out in the contract.

WHEN that something is to be done is also set out by the contract. In the case of the ECC, the timetable for WHEN these things shall be done is clear and forms a key part of the processes and procedures under the contract. Failure to comply with these processes and procedures in accordance with the requirements specified by WHEN can result in a right being forfeited because of this failure.

Finally, the ECC sets out HOW the process or procedure shall be carried out. Again, the ECC is prescriptive as to the HOW, although much of the HOW is set out in general terms that apply across all of the subsequent detailed processes and procedures.

To summarise, the first part of the formula (which holds good for all contracts and not just the ECC) is to consider WHO does WHAT, WHEN they do it and HOW it is to be

done. Understanding these things is important as the ECC creates what are known in legal circles as conditions precedent. Although the English Courts do not like such provisions, they can be effective if drafted in certain terms (for further comment on conditions precedent, see Section 1.5).

When dealing with specific processes and procedures in this guide, the WHO, WHAT, WHEN and HOW will be summarised as appropriate in each case.

1.4 Mandatory or discretionary

The second part of the formula I learnt that evening was to consider whether an obligation, requirement or procedure was mandatory or discretionary. The distinction is quite clear: if something is mandatory then it must be done in order to create a right for you and/or an obligation on someone else. If something is discretionary, then the party concerned can do it if they feel it is appropriate but lose nothing if they do not.

The key to whether something is mandatory or discretionary is in the little words. If a provision says that a party 'shall', 'must' or 'will' do something then the requirement to do that something is mandatory; that key little word leaves that party with no other option.

On the other hand, if the provision in question says that the party 'may' or 'can' do something, then that requirement is left to the discretion of that party, that is the action is discretionary.

Appreciating whether a requirement or a provision is mandatory or discretionary is key to making sure that you, as a party or agent to the contract, do what is required of you at the right time and in the right way.

In the ECC, and indeed every other contract in the NEC3 family together with all the previous editions, there is little to doubt or question as to whether things are mandatory or discretionary. The first clause in the ECC, clause 10.1, clearly states that the Employer, the Project Manager, the Supervisor and the Contractor *shall* act as stated in this contract. The meaning is plain and clear: they are all required to carry out the procedures set out in the contract at all times and in the way stated. There is no discretion about it, unless such discretion is given expressly in a particular clause (there are a small number of such instances which will be pointed out as they arise).

1.5 Conditions precedent

Put as simply as possible, a condition precedent is a condition which acts to prevent either a right or an obligation from coming about until such time as the event prescribed as the condition precedent occurs. If a time limit is attached to the occurrence of the event (which is a condition precedent to a right or an obligation) and the event has not occurred within the time limit stated, the right or obligation can never come about.

It is important for users of the ECC to understand this principle; part of a mechanism which is commonly used includes such a condition precedent with a time limit. This actual condition will be highlighted when it is commented on.

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While the courts in the UK do not traditionally like or support such clauses, they have enforced numerous examples where the wording has been clear. The first and second editions of the ECC were both said to include conditions precedent but it is generally felt that those conditions were not clearly enough worded to be effective. However, with the third edition, it is generally considered that the wording now used is almost certainly clear enough to be considered as an effective condition precedent.

1.6 Note on use of upper case in key words and phrases

Capital initial letters are used to identify terms that are defined as a feature of the ECC as set out in clause 11.1. Whenever I have referred to any such term I have maintained consistency with the ECC and followed that principle of using upper case for the first letter of defined terms throughout the text of this guide. The reader will however come across instances where the same terms are referred to in a general sense, when lower case is used. I have adopted this approach in order to distinguish between specific references to procedures, rights, obligations and other such matters which are directly linked to the ECC, and more general comments about good practice, the construction industry and other non-contract specific items.

For example, 'Contractor' refers to a specific issue that concerns the Contractor under the ECC and 'contractor' refers to the contractor in general terms.

Chapter 2

Background to the NECECC

2.1 The background: First edition

The timescale that we are looking at starts with a consultative document published in 1991 which was followed by the first edition in 1993, the second edition in 1995, the third edition in July 2005 and the re-printed third edition in April 2013 (NEC Panel, 2005a).

Many people believe the first edition was published in response to Sir Michael Latham's (1994) report, *Constructing the Team*. This report was however pre-dated by both the consultative document and First Edition.

In his report Sir Michael identified the New Engineering Contract (NEC, as it was then called) as being the contract which, more than any other in general circulation at the time, contained many of the provisions which he considered should be adopted in Construction Contracts. Out of the thirteen key issues which Latham thought should be adopted, the NEC contained eight. The full list of key issues from *Constructing the Team* is as follows:

- 1. A specific duty for all parties to deal fairly with each other, and with their subcontractors, specialists and suppliers, in an atmosphere of mutual cooperation.
- 2. Firm duties of teamwork, with shared financial motivation to pursue those objectives. These should involve a general presumption to achieve "win-win" solutions to problems which may arise during the course of the project.
- A wholly interrelated package of documents which clearly defines the roles and duties of all involved, and which is suitable for all types of project and for any procurement route.
- 4. Easily comprehensive language and with Guidance Notes attached.
- Separation of the roles of contract administrator, project or lead manager and adjudicator. The Project or lead Manager should be clearly defined as the client's representative.
- 6. A choice of allocation of risks, to be decided as appropriate to each project but then allocated to the party best able to manage, estimate and carry the risk.
- 7. Taking all reasonable steps to avoid changes to pre-planned works information. But, where variations do occur, they should be priced in advance, with provision for independent adjudication if agreement cannot be reached.

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- 8. Express provision for assessing interim payments by methods other than monthly valuation, that is milestones, activity schedules or payment schedules. Such arrangements must also be reflected in the related subcontract documentation. The eventual aim should be to phase out the traditional system of monthly measurement or remeasurement but meanwhile provision should still be made for it.
- Clearly setting out the period within which interim payments must be made to all participants in the process, failing which they will have an automatic right to compensation, involving payment of interest at a sufficiently heavy rate to deter slow payment.
- 10. Providing for secure trust fund routes of payment.
- 11. While taking all possible steps to avoid conflict on site, providing for speedy dispute resolution if any conflict arises by a predetermined impartial adjudicator/referee/expert.
- 12. Providing for incentives for exceptional performance.
- 13. Making provision where appropriate for advance mobilisation payments (if necessary, bonded) to contractors and subcontractors, including in respect of off-site prefabricated materials provided by part of the construction team.

By comparison with the other major standard forms available at the time, the NEC's score of eight was three to four times better than any of its competitors. Encouraged by this praise, the NEC Panel set about revising the contract to incorporate the balance of the ideals and to take account of other comments that had been made.

2.2 The second edition

The job of revising the first edition was completed in 1995 and, in November of that year, the second edition was published. This edition not only incorporated revisions to the provisions of the Contract but also heralded a change in name to the 'New Engineering Contract Engineering and Construction Contract', shortened in use to NECECC.

The change in name was prompted by Sir Michael's report. He had commented that the name NEC, coupled with it being published by the commercial arm of the Institution of Civil Engineers (Thomas Telford), served to suggest that it was a civil engineering contract. This impression was already restricting and would continue to restrict the use of this otherwise versatile contract to the civil and related engineering sectors; Sir Michael believed, however, that it was suitable for all types of construction including, not least, building.

The change of name had the desired effect as, over the next 10 years, the use of the NECECC by employers in the building industry steadily increased.

The principle aim of the revisions that brought about the second edition was to incorporate all thirteen of the ideals (see Section 2.1) set out in *Constructing the Team*. Provision was made in the second edition to cater for the five that had not been included in the first edition. It is interesting to note however, that the third edition only caters for twelve of the thirteen ideals. It has dropped the provision for trust funds found at Secondary Option V of the second edition, for the simple reason that it was never used.