



## **IAS 11 Construction Contracts - A Closer Look**

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# **IAS 11, Construction Contracts – A Closer Look**

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International Accounting Standard (IAS) 11, *Construction Contracts*, prescribes the accounting treatment in construction contracts. In December 1977, the International Accounting Standards Committee (IASC) issued the Exposure Draft E11, *Accounting for Construction Contracts*. In March 1979, the IASC issued IAS 11, *Accounting for Construction Contracts*, effective from January 1, 1980. In May 1992, the IASC issued Exposure Draft E42, *Construction Contracts*. The IASC issued revised IAS 11, *Construction Contracts* in December 1993, revised as part of the ‘Comparability of Financial Statements’ project based on E32. The revised Standard became effective for financial statements covering periods beginning on or after January 1, 1995. The Related Interpretations issued for IAS 11 are IFRIC 15 Agreements for the Construction of Real Estate and IFRIC 12 Service Concession Arrangements.

## **Objective**

The objective of IAS 11 is to prescribe the accounting treatment of revenue and costs associated with construction contracts. Because of the nature of the activity undertaken in construction contracts, the date at which the contract activity is entered into and the date when the activity is completed usually fall into different accounting periods. Therefore, the primary issue in accounting for construction contracts is the allocation of contract revenue and contract costs to the accounting periods in which construction work is performed. This Standard uses the recognition criteria established in the framework for the preparation and presentation of financial statements to determine when contract revenue and contract costs should be recognised as revenue and expenses in the income statement. It also provides practical guidance on the application of these criteria.

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## **Scope and Application**

IAS 11 shall be applied in accounting for construction contracts in the financial statements of contractors. The requirements of this Standard are usually applied separately to each construction contract. However, in certain circumstances, it is necessary to apply the Standard to the separately identifiable components of a single contract or to a group of contracts together in order to reflect the substance of a contract or a group of contracts.

## **Key Definitions**

**Construction contract:** A construction contract is a contract specifically negotiated for the construction of an asset or a combination of assets that are closely interrelated or interdependent in terms of their design, technology and function or their ultimate purpose or use.

**Fixed price contract:** A fixed price contract is a construction contract in which the contractor agrees to a fixed contract price, or a fixed rate per unit of output, which in some cases is subject to cost escalation clauses.

**Cost plus contract:** A cost plus contract is a construction contract in which the contractor is reimbursed for allowable or otherwise defined costs, plus a percentage of these costs or a fixed fee.

## **Construction Contracts**

For the purposes of this Standard, construction contracts include:

- (a) contracts for the rendering of services which are directly related to the construction of the asset, for example, those for the services of project managers and architects; and
- (b) contracts for the destruction or restoration of assets, and the restoration of the environment following the demolition of assets.

Construction contracts are formulated in a number of ways which, for the purposes of this Standard, are classified as fixed price contracts and cost plus contracts. Some construction contracts may contain characteristics of both fixed price contract and cost plus contract, for example in the case of a cost plus contract with an agreed maximum price. In such circumstances, a contractor needs to consider all the conditions specified in this standard as recognition of contract revenue and expenses in order to determine when to recognise contract revenue and expenses.

## **Combining and Segmenting Contracts**

A construction contract may be negotiated for the construction of a single asset such as a bridge, building, dam, pipeline, road, ship or tunnel. A construction contract may also deal with the construction of a number of assets which are closely interrelated or interdependent in terms of their design, technology and function or their ultimate purpose or use; examples of such contracts include those for the construction of refineries and other complex pieces of plant or equipment.

When a contract covers a number of assets, the construction of each asset should be treated as a separate construction contract when:

- (a) separate proposals have been submitted for each asset;
- (b) each asset has been subject to separate negotiation and the contractor and customer have been able to accept or reject that part of the contract relating to each asset; and
- (c) the costs and revenues of each asset can be identified.

A group of contracts, whether with a single customer or with several customers, should be treated as a single construction contract when:

- (a) the group of contracts is negotiated as a single package;
- (b) the contracts are so closely interrelated that they are, in effect, part of a single project with an overall profit margin; and
- (c) the contracts are performed concurrently or in a continuous sequence.

A contract may provide for the construction of an additional asset at the option of the customer or may be amended to include the construction of an additional asset. The construction of the additional asset should be treated as a separate construction contract when:

- (a) the asset differs significantly in design, technology or function from the asset or assets covered by the original contract; or
- (b) the price of the asset is negotiated without regard to the original contract price.

## **Contract revenue**

Contract revenue shall comprise:

- (a) the initial amount of revenue agreed in the contract; and
- (b) variations in contract work, claims and incentive payments:
  - (i) to the extent that it is probable that they will result in revenue; and
  - (ii) they are capable of being reliably measured.

Contract revenue is measured at the fair value of the consideration received or receivable. The measurement of contract revenue is affected by a variety of uncertainties that depend on the outcome of future events. The estimates often need to be revised as events occur and uncertainties are resolved. Therefore, the amount of contract revenue may increase or decrease from one period to the next. For example:

- (a) a contractor and a customer may agree variations or claims that increase or decrease contract revenue in a period subsequent to that in which the contract was initially agreed;
- (b) the amount of revenue agreed in a fixed price contract may increase as a result of cost escalation clauses;
- (c) the amount of contract revenue may decrease as a result of penalties arising from delays caused by the contractor in the completion of the contract; or
- (d) when a fixed price contract involves a fixed price per unit of output, contract revenue increases as the number of units is increased.

A variation is an instruction by the customer for a change in the scope of the work to be performed under the contract. A variation may lead to an increase or a decrease in contract revenue. Examples of variations are changes in the specifications or design of the asset and changes in the duration of the contract. A variation is included in contract revenue when:

- (a) it is probable that the customer will approve the variation and the amount of revenue arising from the variation; and
- (b) the amount of revenue can be reliably measured.

A claim is an amount that the contractor seeks to collect from the customer or another party as reimbursement for costs not included in the contract price. A claim may arise from, for example, customer caused delays, errors in specifications or design, and disputed variations in contract work. The measurement of the amounts of revenue arising from claims is subject to a high level of uncertainty and often depends on the outcome of negotiations. Therefore, claims are only included in contract revenue when:

- (a) negotiations have reached an advanced stage such that it is probable that the customer will accept the claim; and
- (b) the amount that it is probable will be accepted by the customer can be measured reliably.

Incentive payments are additional amounts paid to the contractor if specified performance standards are met or exceeded. For example, a contract may allow for an incentive payment to the contractor for early completion of the contract. Incentive payments are included in contract revenue when:

- (a) the contract is sufficiently advanced that it is probable that the specified performance standards will be met or exceeded; and
- (b) the amount of the incentive payment can be measured reliably.

## **Contract costs**

Contract costs shall comprise:

- (a) costs that relate directly to the specific contract;
- (b) costs that are attributable to the contractor's general contracting activity to the extent that they can be reasonably allocated to the contract; and
- (c) such other costs as are specifically chargeable to the customer under the terms of the contract.

Costs that relate directly to a specific contract include:

- (a) site labour costs, including site supervision;
- (b) costs of materials used in construction;
- (c) depreciation of plant and equipment used on the contract;
- (d) costs of moving plant, equipment and materials to and from the contract site;
- (e) costs of hiring plant and equipment;
- (f) costs of design and technical assistance that is directly related to the contract;
- (g) the estimated costs of rectification and guarantee work, including expected warranty costs; and
- (h) claims from third parties.

These costs may be reduced by any incidental income that is not included in contract revenue, for example income from the sale of surplus materials and the disposal of plant and equipment at the end of the contract.

Costs that may be attributable to contract activity in general and can be allocated to specific contracts include:

- (a) insurance;
- (b) costs of design and technical assistance that is not directly related to a specific contract; and
- (c) construction overheads.

Such costs are allocated using methods that are systematic and rational and are applied consistently to all costs having similar characteristics. The allocation is based on the normal level of construction activity.

Construction overheads include costs such as the preparation and processing of construction personnel payroll. Costs that may be attributable to contract activity in general and can be allocated to specific contracts also include borrowing costs when the contractor adopts the allowed alternative treatment in IAS 23, *Borrowing Costs*.

Costs that are specifically chargeable to the customer under the terms of the contract may include some general administration costs and development costs for which reimbursement is specified in the terms of the contract.

Costs that cannot be attributed to contract activity or cannot be allocated to a contract are excluded from the costs of a construction contract. Such costs include:

- (a) general administration costs for which reimbursement is not specified in the contract;
- (b) selling costs;
- (c) research and development costs for which reimbursement is not specified in the contract; and
- (d) depreciation of idle plant and equipment that is not used on a particular contract.

Contract costs include the costs attributable to a contract for the period from the date of securing the contract to the final completion of the contract. However, costs that relate directly to a contract and which are incurred in securing the contract are also included as part of the contract costs if they can be separately identified and measured reliably and it is probable that the contract will be obtained. When costs incurred in securing a contract are recognised as an expense in the period in which they are incurred, they are not included in contract costs when the contract is obtained in a subsequent period.

### **Recognition of contract revenue and contract costs**

When the outcome of a construction contract can be estimated reliably, contract revenue and contract costs associated with the construction contract shall be recognised as revenue and expenses respectively by reference to the stage (percentage) of completion of the contract activity at the reporting date. This involves reporting revenue, expenses and profit attributable to the proportion of work completed.

The stage of completion of a contract may be determined in a variety of ways. The enterprise uses the method that measures reliably the work performed. Depending on the nature of the contract, the methods may include:

- (a) the proportion that contract costs incurred for work performed to date bear to the estimated total contract costs;
- (b) surveys of work performed; or
- (c) completion of a physical proportion of the contract work.

Progress payments and advances received from customers often do not reflect the work performed.

In the case of a fixed price contract, the outcome of a construction contract can be estimated reliably when all the following conditions are satisfied:

- (a) total contract revenue can be measured reliably;
- (b) it is probable that the economic benefits associated with the contract will flow to the enterprise;
- (c) both the contract costs to complete the contract and the stage of contract completion at the reporting date can be measured reliably; and
- (d) the contract costs attributable to the contract can be clearly identified and measured reliably so that actual contract costs incurred can be compared with prior estimates.

In the case of a cost plus contract, the outcome of a construction contract can be estimated reliably when all the following conditions are satisfied:

- (a) it is probable that the economic benefits associated with the contract will flow to the enterprise; and
- (b) the contract costs attributable to the contract, whether or not specifically reimbursable, can be clearly identified and measured reliably.

If the outcome of a contract, previously regarded as not being capable of reliable estimation, becomes capable of reliable estimation, revenue and costs are recognised using the stage of completion method.

The recognition of revenue and expenses by reference to the stage of completion of a contract is often referred to as the percentage of completion method. Under this method, contract revenue is matched with the contract costs incurred in reaching the stage of completion, resulting in the reporting of revenue, expenses and profit which can be attributed to the proportion of work completed. This method provides useful information on the extent of contract activity and performance during a period.

Under the percentage of completion method, contract revenue is recognised as revenue in the income statement in the accounting periods in which the work is performed. Contract costs are usually recognised as an expense in the income statement in the accounting periods in which the work to which they relate is performed.

A contractor may have incurred contract costs that relate to future activity on the contract. Such contract costs are recognised as an asset provided it is probable that they will be recovered. Such costs represent an amount due from the customer and are often classified as contract work in progress.

The outcome of a construction contract can only be estimated reliably when it is probable that the economic benefits associated with the contract will flow to the enterprise. However, when an uncertainty arises about the collectability of an amount already included in contract revenue, and already recognised in the income statement, the uncollectable amount or the amount in respect of which recovery has ceased to be probable is recognised as an expense rather than as an adjustment of the amount of contract revenue.

An enterprise is generally able to make reliable estimates after it has agreed to a contract which establishes:

- (a) each party's enforceable rights regarding the asset to be constructed;
- (b) the consideration to be exchanged; and
- (c) the manner and terms of settlement.

It is also usually necessary for the enterprise to have an effective internal financial budgeting and reporting system. The enterprise reviews and, when necessary, revises the estimates of contract revenue and contract costs as the contract progresses. The need for such revisions does not necessarily indicate that the outcome of the contract cannot be estimated reliably.

When the stage of completion is determined by reference to the contract costs incurred to date, only those contract costs that reflect work performed are included in costs incurred to date. Examples of contract costs which are excluded are:

- (a) contract costs that relate to future activity on the contract, such as costs of materials that have been delivered to a contract site or set aside for use in a contract but not yet installed, used or applied during contract performance, unless the materials have been made specially for the contract; and
- (b) payments made to subcontractors in advance of work performed under the subcontract.

When the outcome of a construction contract cannot be estimated reliably:

- (a) revenue shall be recognised only to the extent of contract costs incurred that it is probable will be recoverable; and
- (b) contract costs shall be recognised as an expense in the period in which they are incurred.

During the early stages of a contract it is often the case that the outcome of the contract cannot be estimated reliably. Nevertheless, it may be probable that the enterprise will recover the contract costs incurred.

Therefore, contract revenue is recognised only to the extent of costs incurred that are expected to be recoverable. As the outcome of the contract cannot be estimated reliably, no profit is recognised. However, even though the outcome of the contract cannot be estimated reliably, it may be probable that total contract costs will exceed total contract revenues. In such cases, any expected excess of total contract costs over total contract revenue for the contract is recognised as an expense immediately.

Contract costs that are not probable of being recovered are recognised as an expense immediately. Examples of circumstances in which the recoverability of contract costs incurred may not be probable and in which contract costs may need to be recognised as an expense immediately include contracts:

- (a) which are not fully enforceable, that is, their validity is seriously in question;
- (b) the completion of which is subject to the outcome of pending litigation or legislation;
- (c) relating to properties that are likely to be condemned or expropriated;
- (d) where the customer is unable to meet its obligations; or
- (e) where the contractor is unable to complete the contract or otherwise meet its obligations under the contract.

## **Accounting Treatment**

Under IAS 11, if a contract covers two or more assets, the construction of each asset should be accounted for separately if (a) separate proposals were submitted for each asset, (b) portions of the contract relating to each asset were negotiated separately, and (c) costs and revenues of each asset can be measured. Otherwise, the contract should be accounted for in its entirety.

Two or more contracts should be accounted for as a single contract if they were negotiated together and the work is interrelated.

If a contract gives the customer an option to order one or more additional assets, construction of each additional asset should be accounted for as a separate contract if either (a) the additional asset differs significantly from the original asset(s) or (b) the price of the additional asset is separately negotiated.

## **Recognition of Expected Losses**

When it is probable that total contract costs will exceed total contract revenue, the expected loss should be recognised as an expense immediately.

The amount of such a loss is determined irrespective of:

- (a) whether or not work has commenced on the contract;
- (b) the stage of completion of contract activity; or
- (c) the amount of profits expected to arise on other contracts which are not treated as a single construction contract.

## **Changes in Estimates**

The percentage of completion method is applied on a cumulative basis in each accounting period to the current estimates of contract revenue and contract costs. Therefore, the effect of a change in the estimate of contract revenue or contract costs, or the effect of a change in the estimate of the outcome of a contract, is accounted for as a change in accounting estimate (see IAS 8, *Accounting Policies, Changes in Accounting Estimates and Errors*). The changed estimates are used in the determination of the amount of revenue and expenses recognised in the income statement in the period in which the change is made and in subsequent periods.

## **Prescribed Disclosures**

Required disclosures related to contract revenue include:

- the amount of contract revenue recognised as revenue in the period
- the methods used to determine the contract revenue recognised in the period
- the methods used to determine the stage of completion of contracts in progress

Required disclosures for the contracts in progress at reporting date include:

- the aggregate amount of costs incurred and recognised profits (less recognised losses) to date
- the amount of advances received
- the amount of retentions (e.g. amounts billed for work performed that are not paid until contract conditions are satisfied or until defects have been rectified)

Retentions are amounts of progress billings which are not paid until the satisfaction of conditions specified in the contract for the payment of such amounts or until defects have been rectified. Progress billings are amounts billed for work performed on a contract whether or not they have been paid by the customer. Advances are amounts received by the contractor before the related work is performed.

## **Presentation**

An enterprise should present:

- (a) the gross amount due from customers for contract work as an asset; and
- (b) the gross amount due to customers for contract work as a liability.

The gross amount due from customers for contract work is the net amount of:

- (a) costs incurred plus recognised profits; less
- (b) the sum of recognised losses and progress billings for all contracts in progress for which costs incurred plus recognised profits (less recognised losses) exceeds progress billings.

The gross amount due to customers for contract work is the net amount of:

- (a) costs incurred plus recognised profits; less
- (b) the sum of recognised losses and progress billings for all contracts in progress for which progress billings exceed costs incurred plus recognised profits (less recognised losses).

An enterprise discloses any contingent liabilities and contingent assets in accordance with IAS 37, *Provisions, Contingent Liabilities and Contingent Assets*. Contingent liabilities and contingent assets may arise from such items as warranty costs, claims, penalties or possible losses.

## **Conclusion**

IAS 11 prescribes the accounting treatment of revenue and costs associated with constructions contracts as such contracts tend to have start and finish dates that fall in different accounting periods.

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