



GOVERNMENT OF MALAYSIA

Malaysian Public Sector Accounting Standards

MPSAS 31

Intangible Assets

MPSAS 31 - Intangible Assets

Acknowledgment

The Malaysian Public Sector Accounting Standard (MPSAS) is based on International Public Sector Accounting Standard (IPSAS) 31, *Intangible Assets* from the *Handbook of International Public Sector Accounting Pronouncements* of the International Public Sector Accounting Standards Board, published by the International Federation of Accountants (IFAC) in June 2013 and is used with permission of IFAC.

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MPSAS 31 – Intangible Assets

Malaysian Public Sector Accounting Standard (MPSAS) 31, *Intangible Assets*, is set out in paragraphs 1–133. All the paragraphs have equal authority. MPSAS 31 should be read in the context of its objective, and the *Preface to Malaysian Public Sector Accounting Standards*. MPSAS 3, *Accounting Policies, Changes in Accounting Estimates and Errors*, provides a basis for selecting and applying accounting policies in the absence of explicit guidance.

Objective

1. The objective of this Standard is to prescribe the accounting treatment for intangible assets that are not dealt with specifically in another Standard. This Standard requires an entity to recognize an intangible asset if, and only if, specified criteria are met. The Standard also specifies how to measure the carrying amount of intangible assets, and requires specified disclosures about intangible assets.

Scope

2. **An entity that prepares and presents financial statements under the accrual basis of accounting shall apply this Standard in accounting for intangible assets.**
3. **This Standard shall be applied in accounting for intangible assets, except:**
 - (a) **Intangible assets that are within the scope of another Standard;**
 - (b) **Financial assets, as defined in MPSAS 28, *Financial Instruments: Presentation*;**
 - (c) **The recognition and measurement of exploration and evaluation assets (see the relevant international or national accounting standard dealing with exploration for, and evaluation of, mineral resources);**
 - (d) **Expenditure on the development and extraction of minerals, oil, natural gas and similar non-regenerative resources;**
 - (e) **Intangible assets acquired in a business combination (see the relevant international or national accounting standard dealing with business combinations);**
 - (f) **Goodwill acquired in a business combination (see the relevant international or national accounting standard dealing with business combinations);**
 - (g) **Powers and rights conferred by legislation, a constitution, or by equivalent means;**
 - (h) **Deferred tax assets (see the relevant international or national accounting standard dealing with income taxes);**
 - (i) **Deferred acquisition costs, and intangible assets, arising from an insurer's contractual rights under insurance contracts within the scope of the relevant international or national accounting standard dealing with insurance contracts. In cases where the relevant international or national accounting standard does not set**

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out specific disclosure requirements for those intangible assets, the disclosure requirements in this Standard apply to those intangible assets;

- (j) **Non-current intangible assets classified as held for sale (or included in a disposal group that is classified as held for sale) in accordance with the relevant international or national accounting standard dealing with non-current assets held for sale and discontinued operations; and**
 - (k) **In respect of intangible heritage assets. However, the disclosure requirements of paragraphs 115–127 apply to those heritage assets that are recognized.**
4. **This Standard applies to all public sector entities other than Government Business Enterprises (GBEs).**
5. The *Preface to Malaysian Public Sector Accounting Standards* issued by the Accountant General's Department explains that GBEs apply approved accounting standards issued by the Malaysian Accounting Standards Board (MASB). GBEs are defined in MPSAS 1, *Presentation of Financial Statements*
6. If another MPSAS prescribes the accounting for a specific type of intangible asset, an entity applies that MPSAS instead of this Standard. For example, this Standard does not apply to:
- (a) Intangible assets held by an entity for sale in the ordinary course of operations (see MPSAS 11, *Construction Contracts*, and MPSAS 12, *Inventories*);
 - (b) Leases that are within the scope of MPSAS, *Leases*;
 - (c) Assets arising from employee benefits (see *MPSAS 25, Employee Benefits*); and
 - (d) Financial assets as defined in MPSAS 28. The recognition and measurement of some financial assets are covered by MPSAS 6, *Consolidated and Separate Financial Statements*, MPSAS 7, *Investments in Associates*, and MPSAS 8, *Interests in Joint Ventures*.
 - (e) Recognition and initial measurement of service concession assets that are within the scope of MPSAS 32, *Service Concession Assets: Grantor*. However, this Standard applies to the subsequent measurement and disclosure of such assets.
7. Some intangible assets may be contained in or on a physical substance such as a compact disc (in the case of computer software), legal documentation (in the case of a licence or patent), or film. In determining whether an asset that incorporates both intangible and tangible elements should be treated under MPSAS 17, *Property, Plant, and Equipment*, or as an intangible asset under this Standard, an entity uses judgement to assess which element is more significant. For example, the navigation software for a fighter aircraft is integral to the aircraft and is treated as property, plant and equipment. The same applies to the operating system of a

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computer. When the software is not an integral part of the related hardware, computer software is treated as an intangible asset.

8. This Standard applies to, among other things, expenditure on advertising, training, start-up, research, and development activities. Research and development activities are directed to the development of knowledge. Therefore, although these activities may result in an asset with physical substance (e.g., a prototype), the physical element of the asset is secondary to its intangible component, i.e., the knowledge embodied in it.
9. In the case of a finance lease, the underlying asset may be either tangible or intangible. After initial recognition, a lessee accounts for an intangible asset held under a finance lease in accordance with this Standard. Rights under licensing agreements for items such as motion picture films, video recordings, plays, manuscripts, patents, and copyrights are excluded from the scope of MPSAS 13 and are within the scope of this Standard.
10. Exclusions from the scope of a Standard may occur if activities or transactions are so specialized that they give rise to accounting issues that may need to be dealt with in a different way. Such issues arise in the accounting for expenditure on the exploration for, or development and extraction of, oil, gas, and mineral deposits in extractive industries, and in the case of insurance contracts. Therefore, this Standard does not apply to expenditure on such activities and contracts. However, this Standard applies to other intangible assets used (such as computer software), and other expenditure incurred (such as start-up costs), in extractive industries, or by insurers.

Intangible Heritage Assets

11. This Standard does not require an entity to recognize intangible heritage assets that would otherwise meet the definition of, and recognition criteria for, intangible assets. If an entity does recognize intangible heritage assets, it must apply the disclosure requirements of this Standard and may, but is not required to, apply the measurement requirements of this Standard.
12. Some intangible assets are described as intangible heritage assets because of their cultural, environmental, or historical significance. Examples of intangible heritage assets include recordings of significant historical events and rights to use the likeness of a significant public person on, for example, postage stamps or collectible coins. Certain characteristics, including the following, are often displayed by intangible heritage assets (although these characteristics are not exclusive to such assets):
 - (a) Their value in cultural, environmental, and historical terms is unlikely to be fully reflected in a financial value based purely on a market price;
 - (b) Legal and/or statutory obligations may impose prohibitions or severe restrictions on disposal by sale;

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- (c) Their value may increase over time; and
 - (d) It may be difficult to estimate their useful lives, which in some cases could be several hundred years.
13. Public sector entities may have large holdings of intangible heritage assets that have been acquired over many years and by various means, including purchase, donation, bequest, and sequestration. These assets are rarely held for their ability to generate cash inflows, and there may be legal or social obstacles to using them for such purposes.
14. Some intangible heritage assets have future economic benefits or service potential other than their heritage value, for example, royalties paid to the entity for use of an historical recording. In these cases, an intangible heritage asset may be recognized and measured on the same basis as other items of cash-generating intangible assets. For other intangible heritage assets, their future economic benefit or service potential is limited to their heritage characteristics. The existence of both future economic benefits and service potential can affect the choice of measurement base.
15. The disclosure requirements in paragraphs 117–124 require entities to make disclosures about recognized intangible assets. Therefore, entities that recognize intangible heritage assets are required to disclose in respect of those assets such matters as, for example:
- (a) The measurement basis used;
 - (b) The amortization method used, if any;
 - (c) The gross carrying amount;
 - (d) The accumulated amortization at the end of the period, if any; and
 - (e) A reconciliation of the carrying amount at the beginning and end of the period showing certain components thereof.

Definitions

16. **The following terms are used in this Standard with the meanings specified:**

Carrying amount is the amount at which an asset is recognized after deducting any accumulated amortization and accumulated impairment losses.

Development is the application of research findings or other knowledge to a plan or design for the production of new or substantially improved materials, devices, products, processes, systems or services before the start of commercial production or use.

An intangible asset is an identifiable non-monetary asset without physical substance.

Research is original and planned investigation undertaken with the prospect of gaining

new scientific or technical knowledge and understanding.

Terms defined in other MPSASs are used in this Standard with the same meaning as in those Standards, and are reproduced in the *Glossary of Defined Terms* published separately.

Intangible Assets

17. Entities frequently expend resources, or incur liabilities, on the acquisition, development, maintenance, or enhancement of intangible resources such as scientific or technical knowledge, design and implementation of new processes, or systems, licences, intellectual property, and trademarks (including brand names and publishing titles). Common examples of items encompassed by these broad headings are computer software, patents, copyrights, motion picture films, lists of users of a service, acquired fishing licences, acquired import quotas, and relationships with users of a service.
18. Not all the items described in paragraph 17 meet the definition of an intangible asset, i.e., identifiability, control over a resource, and existence of future economic benefits or service potential. If an item within the scope of this Standard does not meet the definition of an intangible asset, expenditure to acquire it or generate it internally is recognized as an expense when it is incurred.
19. **An asset is identifiable if it either:**
 - (a) **Is separable, i.e., is capable of being separated or divided from the entity and sold, transferred, licensed, rented, or exchanged, either individually or together with a related contract, identifiable asset or liability, regardless of whether the entity intends to do so; or**
 - (b) **Arises from binding arrangements (including rights from contracts or other legal rights), regardless of whether those rights are transferable or separable from the entity or from other rights and obligations.**
20. For the purposes of this Standard, a binding arrangement describes an arrangement that confers similar rights and obligations on the parties to it as if it were in the form of a contract.

Control of an Asset

21. An entity controls an asset if the entity has the power to obtain the future economic benefits or service potential flowing from the underlying resource and to restrict the access of others to those benefits or that service potential.

The capacity of an entity to control the future economic benefits or service potential from an intangible asset would normally stem from legal rights that are enforceable in a court of law. In the absence of legal rights, it is more difficult to demonstrate control. However, legal

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enforceability of a right is not a necessary condition for control because an entity may be able to control the future economic benefits or service potential in some other way.

22. Scientific or technical knowledge may give rise to future economic benefits or service potential. An entity controls those benefits or that service potential if, for example, the knowledge is protected by legal rights such as copyrights, a restraint of trade agreement (where permitted), or by a legal duty on employees to maintain confidentiality.
23. An entity may have a team of skilled staff and may be able to identify incremental staff skills leading to future economic benefits or service potential from training. The entity may also expect that the staff will continue to make their skills available to the entity. However, an entity usually has insufficient control over the expected future economic benefits or service potential arising from a team of skilled staff and from training for these items to meet the definition of an intangible asset. For a similar reason, specific management or technical talent is unlikely to meet the definition of an intangible asset, unless it is protected by legal rights to use it and to obtain the future economic benefits or service potential expected from it, and it also meets the other parts of the definition.
24. An entity may have a portfolio of users of its services or its success rate in reaching intended users of its services and expect that, because of its efforts in building relationships with users of its services, those users will continue to use its services. However, in the absence of legal rights to protect, or other ways to control the relationships with users of a service or the loyalty of those users, the entity usually has insufficient control over the expected economic benefits or service potential from relationships with users of a service and loyalty for such items (e.g., portfolio of users of a service, market shares or success rates of a service, relationships with, and loyalty of, users of a service) to meet the definition of intangible assets. In the absence of legal rights to protect such relationships, exchange transactions for the same or similar non-contractual customer relationships provide evidence that the entity is nonetheless able to control the expected future economic benefits or service potential flowing from the relationships with the users of a service. Because such exchange transactions also provide evidence that the relationships with users of a service are separable, those relationships meet the definition of an intangible asset.

Future Economic Benefits or Service Potential

25. The future economic benefits or service potential flowing from an intangible asset may include revenue from the sale of products or services, cost savings, or other benefits resulting from the use of the asset by the entity. For example, the use of intellectual property in a production or service process may reduce future production or service costs or improve service delivery rather than increase future revenues (e.g., an on-line system that allows citizens to renew driving licences more quickly on-line, resulting in a reduction in office staff required to perform this function while increasing the speed of processing).

Recognition and Measurement

26. The recognition of an item as an intangible asset requires an entity to demonstrate that the item meets:

- (a) The definition of an intangible asset (see paragraphs 17–25); and
- (b) The recognition criteria (see paragraphs 28–30).

This requirement applies to the cost measured at recognition (the cost in an exchange transaction or to internally generate an intangible asset, or the fair value of an intangible asset acquired through a non-exchange transaction) and those incurred subsequently to add to, replace part of, or service it.

27. The nature of intangible assets is such that, in many cases, there are no additions to such an asset or replacements of part of it. Accordingly, most subsequent expenditures are likely to maintain the expected future economic benefits or service potential embodied in an existing intangible asset rather than meet the definition of an intangible asset and the recognition criteria in this Standard. In addition, it is often difficult to attribute subsequent expenditure directly to a particular intangible asset rather than to the entity's operations as a whole. Therefore, only rarely will subsequent expenditure—expenditure incurred after the initial recognition of an acquired intangible asset or after completion of an internally generated intangible asset—be recognized in the carrying amount of an asset. Consistent with paragraph 61, subsequent expenditure on brands, mastheads, publishing titles, lists users of a service, and items similar in substance (whether externally acquired or internally generated) is always recognized in surplus or deficit as incurred. This is because such expenditure cannot be distinguished from expenditure to develop the entity's operations as a whole.

28. **An intangible asset shall be recognized if, and only if:**

- (a) **It is probable that the expected future economic benefits or service potential that are attributable to the asset will flow to the entity; and**
- (b) **The cost or fair value of the asset can be measured reliably.**

29. **An entity shall assess the probability of expected future economic benefits or service potential using reasonable and supportable assumptions that represent management's best estimate of the set of economic conditions that will exist over the useful life of the asset.**

30. An entity uses judgement to assess the degree of certainty attached to the flow of future economic benefits or service potential that are attributable to the use of the asset on the basis of the evidence available at the time of initial recognition, giving greater weight to external evidence.

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31. **An intangible asset shall be measured initially at cost in accordance with paragraphs 32–43. Where an intangible asset is acquired through a non- exchange transaction, its initial cost at the date of acquisition, shall be measured at its fair value as at that date.**

Separate Acquisition

32. Normally, the price an entity pays to acquire separately an intangible asset will reflect expectations about the probability that the expected future economic benefits or service potential embodied in the asset will flow to the entity. In other words, the entity expects there to be an inflow of economic benefits or service potential, even if there is uncertainty about the timing or the amount of the inflow. Therefore, the probability recognition criterion in paragraph 28(a) is always considered to be satisfied for separately acquired intangible assets.
33. In addition, the cost of a separately acquired intangible asset can usually be measured reliably. This is particularly so when the purchase consideration is in the form of cash or other monetary assets.
34. The cost of a separately acquired intangible asset comprises:
- (a) Its purchase price, including import duties and non-refundable purchase taxes, after deducting trade discounts and rebates; and
 - (b) Any directly attributable cost of preparing the asset for its intended use.
35. Examples of directly attributable costs are:
- (a) Costs of employee benefits (as defined in MPSAS 25) arising directly from bringing the asset to its working condition;
 - (b) Professional fees arising directly from bringing the asset to its working condition; and
 - (c) Costs of testing whether the asset is functioning properly.
36. Examples of expenditures that are not part of the cost of an intangible asset are:
- (a) Costs of introducing a new product or service (including costs of advertising and promotional activities);
 - (b) Costs of conducting operations in a new location or with a new class of users of a service (including costs of staff training); and
 - (c) Administration and other general overhead costs.
37. Recognition of costs in the carrying amount of an intangible asset ceases when the asset is in the condition necessary for it to be capable of operating in the manner intended by management. Therefore, costs incurred in using or redeploying an intangible asset are not

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included in the carrying amount of that asset. For example, the following costs are not included in the carrying amount of an intangible asset:

- (a) Costs incurred while an asset capable of operating in the manner intended by management has yet to be brought into use; and
 - (b) Initial operating deficits, such as those incurred while demand for the asset's output builds up.
38. Some operations occur in connection with the development of an intangible asset, but are not necessary to bring the asset to the condition necessary for it to be capable of operating in the manner intended by management. These incidental operations may occur before or during the development activities. Because incidental operations are not necessary to bring an asset to the condition necessary for it to be capable of operating in the manner intended by management, the revenue and related expenses of incidental operations are recognized immediately in surplus or deficit, and included in their respective classifications of revenue and expense.
39. If payment for an intangible asset is deferred beyond normal credit terms, its cost is the cash price equivalent. The difference between this amount and the total payments is recognized as interest expense over the period of credit unless it is capitalized in accordance with the capitalization treatment permitted in MPSAS 5, *Borrowing Costs*.

Subsequent Expenditure on an Acquired In-process Research and Development Project

40. **Research or development expenditure that:**
- (a) **Relates to an in-process research or development project acquired separately and recognized as an intangible asset;**
 - (b) **Is incurred after the acquisition of that project; and**
- shall be accounted for in accordance with paragraphs 52–60.**
41. Applying the requirements in paragraphs 52–60 means that subsequent expenditure on an in-process research or development project acquired separately and recognized as an intangible asset is:
- (a) Recognized as an expense when incurred if it is research expenditure;
 - (b) Recognized as an expense when incurred if it is development expenditure that does not satisfy the criteria for recognition as an intangible asset in paragraph 55; and
 - (c) Added to the carrying amount of the acquired in-process research or development project if it is development expenditure that satisfies the recognition criteria in paragraph 55.

Intangible Assets Acquired through Non-Exchange Transactions

42. In some cases, an intangible asset may be acquired through a non-exchange transaction. This may happen when another public sector entity transfers to an entity in a non-exchange transaction, intangible assets such as airport landing rights, licences to operate radio or television stations, import licences or quotas or rights to access other restricted resources. A private citizen, for example a Nobel Prize winner, may bequeath his or her personal papers, including the copyright to his or her publications to the national archives (a public sector entity) in a non-exchange transaction.
43. Under these circumstances the cost of the item is its fair value at the date it is acquired. For the purposes of this Standard, the measurement at recognition of an intangible asset acquired through a non-exchange transaction, at its fair value consistent with the requirements of paragraph 74, does not constitute a revaluation. Accordingly, the revaluation requirements in paragraph 74, and the supporting commentary in paragraphs 75–86 only apply when an entity elects to revalue an intangible item in subsequent reporting periods.

Exchanges of Assets

44. One or more intangible assets may be acquired in exchange for a non-monetary asset or assets, or a combination of monetary and non-monetary assets. The following discussion refers simply to an exchange of one non-monetary asset for another, but it also applies to all exchanges described in the preceding sentence. The cost of such an intangible asset is measured at fair value unless the fair value of neither the asset received nor the asset given up is reliably measurable. The acquired asset is measured in this way even if an entity cannot immediately derecognize the asset given up. If the acquired asset is not measured at fair value, its cost is measured at the carrying amount of the asset given up.
45. Paragraph 28(b) specifies that a condition for the recognition of an intangible asset is that the cost of the asset can be measured reliably. The fair value of an intangible asset for which comparable market transactions do not exist is reliably measurable if:
- (a) The variability in the range of reasonable fair value estimates is not significant for that asset; or
 - (b) The probabilities of the various estimates within the range can be reasonably assessed and used in estimating fair value.

If an entity is able to determine reliably the fair value of either the asset received or the asset given up, then the fair value of the asset given up is used to measure cost unless the fair value of the asset received is more clearly evident.

Internally Generated Goodwill

46. **Internally generated goodwill shall not be recognized as an asset.**

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47. In some cases, expenditure is incurred to generate future economic benefits or service potential, but it does not result in the creation of an intangible asset that meets the recognition criteria in this Standard. Such expenditure is often described as contributing to internally generated goodwill. Internally generated goodwill is not recognized as an asset because it is not an identifiable resource (i.e., it is not separable nor does it arise from binding arrangements) (including rights from contracts or other legal rights) controlled by the entity that can be measured reliably at cost.
48. Differences between the market value of an entity and the carrying amount of its identifiable net assets at any time may capture a range of factors that affect the value of the entity. However, such differences do not represent the cost of intangible assets controlled by the entity.

Internally Generated Intangible Assets

49. It is sometimes difficult to assess whether an internally generated intangible asset qualifies for recognition because of problems in:
- (a) Identifying whether and when there is an identifiable asset that will generate expected future economic benefits or service potential; and
 - (b) Determining the cost of the asset reliably. In some cases, the cost of generating an intangible asset internally cannot be distinguished from the cost of maintaining or enhancing the entity's internally generated goodwill or of running day-to-day operations.

Therefore, in addition to complying with the general requirements for the recognition and initial measurement of an intangible asset, an entity applies the requirements and guidance in paragraphs 50–65 to all internally generated intangible assets.

50. To assess whether an internally generated intangible asset meets the criteria for recognition, an entity classifies the generation of the asset into:
- (a) A research phase; and
 - (b) A development phase.

Although the terms “research” and “development” are defined, the terms “research phase” and “development phase” have a broader meaning for the purpose of this Standard.

51. If an entity cannot distinguish the research phase from the development phase of an internal project to create an intangible asset, the entity treats the expenditure on that project as if it were incurred in the research phase only.

Research Phase

52. **No intangible asset arising from research (or from the research phase of an internal**

project) shall be recognized. Expenditure on research (or on the research phase of an internal project) shall be recognized as an expense when it is incurred.

53. In the research phase of an internal project, an entity cannot demonstrate that an intangible asset exists that will generate probable future economic benefits or service potential. Therefore, this expenditure is recognized as an expense when it is incurred.
54. Examples of research activities are:
- (a) Activities aimed at obtaining new knowledge;
 - (b) The search for, evaluation and final selection of, applications of research findings or other knowledge;
 - (c) The search for alternatives for materials, devices, products, processes, systems, or services; and
 - (d) The formulation, design, evaluation, and final selection of possible alternatives for new or improved materials, devices, products, processes, systems, or services.

Development Phase

55. **An intangible asset arising from development (or from the development phase of an internal project) shall be recognized if, and only if, an entity can demonstrate all of the following:**
- (a) **The technical feasibility of completing the intangible asset so that it will be available for use or sale;**
 - (b) **Its intention to complete the intangible asset and use or sell it;**
 - (c) **Its ability to use or sell the intangible asset;**
 - (d) **How the intangible asset will generate probable future economic benefits or service potential. Among other things, the entity can demonstrate the existence of a market for the output of the intangible asset or the intangible asset itself or, if it is to be used internally, the usefulness of the intangible asset;**
 - (e) **The availability of adequate technical, financial and other resources to complete the development and to use or sell the intangible asset; and**
 - (f) **Its ability to measure reliably the expenditure attributable to the intangible asset during its development.**
56. In the development phase of an internal project, an entity can, in some instances, identify an intangible asset and demonstrate that the asset will generate probable future

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economic benefits or service potential. This is because the development phase of a project is further advanced than the research phase.

57. Examples of development activities are:
- (a) The design, construction, and testing of pre-production or pre-use prototypes and models;
 - (b) The design of tools, jigs, moulds, and dies involving new technology;
 - (c) The design, construction, and operation of a pilot plant or operation that is not of a scale economically feasible for commercial production or use in providing services;
 - (d) The design, construction, and testing of a chosen alternative for new or improved materials, devices, products, processes, systems, or services; and
 - (e) Website costs and software development costs.
58. To demonstrate how an intangible asset will generate probable future economic benefits or service potential, an entity assesses the future economic benefits or service potential to be received from the asset using the principles in either MPSAS 21, *Impairment of Non-Cash-Generating Assets* or MPSAS, *Impairment of Cash-Generating Assets*, as appropriate. If the asset will generate economic benefits or service potential only in combination with other assets, the entity applies the concept of cash-generating units in MPSAS 26.
59. Availability of resources to complete, use, and obtain the benefits from an intangible asset can be demonstrated by, for example, an operating plan showing the technical, financial, and other resources needed and the entity's ability to secure those resources. In some cases, an entity demonstrates the availability of external finance by obtaining a lender's or funder's indication of its willingness to fund the plan.
60. An entity's costing systems can often measure reliably the cost of generating an intangible asset internally, such as salary and other expenditure incurred in securing logos, copyrights or licences, or developing computer software.
61. **Internally generated brands, mastheads, publishing titles, lists of users of a service, and items similar in substance shall not be recognized as intangible assets.**
62. Expenditure on internally generated brands, mastheads, publishing titles, lists of users of a service, and items similar in substance cannot be distinguished from the cost of developing the entity's operations as a whole. Therefore, such items are not recognized as intangible assets.

Cost of an Internally Generated Intangible Asset

63. The cost of an internally generated intangible asset for the purpose of paragraph 31 is the sum of expenditure incurred from the date when the intangible asset first meets the recognition criteria in paragraphs 28, 29, and 55. Paragraph 70 prohibits reinstatement of

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expenditure previously recognized as an expense.

64. The cost of an internally generated intangible asset comprises all directly attributable costs necessary to create, produce, and prepare the asset to be capable of operating in the manner intended by management. Examples of directly attributable costs are:
- (a) Costs of materials and services used or consumed in generating the intangible asset;
 - (b) Costs of employee benefits (as defined in MPSAS 25) arising from the generation of the intangible asset;
 - (c) Fees to register a legal right; and
 - (d) Amortization of patents and licences that are used to generate the intangible asset.

MPSAS 5 specifies criteria for the recognition of interest as an element of the cost of an asset that is a qualifying asset.

65. The following are not components of the cost of an internally generated intangible asset:
- (a) Selling, administrative and other general overhead expenditure unless this expenditure can be directly attributed to preparing the asset for use;
 - (b) Identified inefficiencies and initial operating deficits incurred before the asset achieves planned performance; and
 - (c) Expenditure on training staff to operate the asset.

Recognition of an Expense

66. **Expenditure on an intangible item shall be recognized as an expense when it is incurred unless it forms part of the cost of an intangible asset that meets the recognition criteria (see paragraphs 26–65).**
67. In some cases, expenditure is incurred to provide future economic benefits or service potential to an entity, but no intangible asset or other asset is acquired or created that can be recognized. In the case of the supply of goods, the entity recognizes such expenditure as an expense when it has a right to access those goods. In the case of the supply of services, the entity recognizes the expenditure as an expense when it receives the services. For example, expenditure on research is recognized as an expense when it is incurred (see paragraph 52). Other examples of expenditure that is recognized as an expense when it is incurred include:
- (a) Expenditure on start-up activities (i.e., start-up costs), unless this expenditure is included in the cost of an item of property, plant, and equipment in accordance with MPSAS 17. Start-up costs may consist of establishment costs such as legal and secretarial costs incurred in establishing a legal entity, expenditure to open a new facility or operation (i.e.,

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pre-opening costs), or expenditures for starting new operations or launching new products or processes (i.e., pre-operating costs);

- (b) Expenditure on training activities;
 - (c) Expenditure on advertising and promotional activities (including mail order catalogues and information pamphlets); and
 - (d) Expenditure on relocating or reorganizing part or all of an entity.
68. An entity has a right to access goods when it owns them. Similarly, it has a right to access goods when they have been constructed by a supplier in accordance with the terms of a supply contract and the entity could demand delivery of them in return for payment. Services are received when they are performed by a supplier in accordance with a contract to deliver them to the entity and not when the entity uses them to deliver another service, for example, to deliver information about a service to users of that service.
69. Paragraph 66 does not preclude an entity from recognizing a prepayment as an asset when payment for goods has been made in advance of the entity obtaining a right to access those goods. Similarly, paragraph 66 does not preclude an entity from recognizing a prepayment as an asset when payment for services has been made in advance of the entity receiving those services.

Past Expenses not to be Recognized as an Asset

70. **Expenditure on an intangible item that was initially recognized as an expense under this Standard shall not be recognized as part of the cost of an intangible asset at a later date.**

Subsequent Measurement

71. **An entity shall choose either the cost model in paragraph 73 or the revaluation model in paragraph 74 as its accounting policy. If an intangible asset is accounted for using the revaluation model, all the other assets in its class shall also be accounted for using the same model, unless there is no active market for those assets.**
72. A class of intangible assets is a grouping of assets of a similar nature and use in an entity's operations. The items within a class of intangible assets are revalued simultaneously to avoid selective revaluation of assets and the reporting of amounts in the financial statements representing a mixture of costs and values as at different dates.

Cost Model

73. **After initial recognition, an intangible asset shall be carried at its cost less any accumulated amortization and any accumulated impairment losses.**

Revaluation Model

74. **After initial recognition, an intangible asset shall be carried at a revalued amount, being its fair value at the date of the revaluation less any subsequent accumulated amortization. For the purpose of revaluations under this Standard, fair value shall be determined by reference to an active market. Revaluations shall be made with such regularity that at the reporting date the carrying amount of the asset does not differ materially from its fair value.**
75. The revaluation model does not allow:
- (a) The revaluation of intangible assets that have not previously been recognized as assets; or
 - (b) The initial recognition of intangible assets at amounts other than cost.
76. The revaluation model is applied after an asset has been initially recognized at cost. However, if only part of the cost of an intangible asset is recognized as an asset because the asset did not meet the criteria for recognition until part of the way through the process (see paragraph 63), the revaluation model may be applied to the whole of that asset. Also, the revaluation model may be applied to an intangible asset that was received through a non-exchange transaction (see paragraphs 42–43).
77. It is uncommon for an active market to exist for an intangible asset, although this may happen. For example, in some jurisdictions, an active market may exist for freely transferable homogeneous classes of licences or production quotas the entity has acquired from another entity. However, an active market cannot exist for brands, newspaper mastheads, music and film publishing rights, patents, or trademarks, because each such asset is unique. Also, although intangible assets are bought and sold, contracts are negotiated between individual buyers and sellers, and transactions are relatively infrequent. For these reasons, the price paid for one asset may not provide sufficient evidence of the fair value of another. Moreover, prices are often not available to the public.
78. The frequency of revaluations depends on the volatility of the fair values of the intangible assets being revalued. If the fair value of a revalued asset differs materially from its carrying amount, a further revaluation is necessary. Some intangible assets may experience significant and volatile movements in fair value, thus necessitating annual revaluation. Such frequent revaluations are unnecessary for intangible assets with only insignificant movements in fair value.
79. If an intangible asset is revalued, any accumulated amortization at the date of the revaluation is either:
- (a) Restated proportionately with the change in the gross carrying amount of the asset so that the carrying amount of the asset after revaluation equals its revalued amount; or

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- (b) Eliminated against the gross carrying amount of the asset and the net amount restated to the revalued amount of the asset.
80. **If an intangible asset in a class of revalued intangible assets cannot be revalued because there is no active market for this asset, the asset shall be carried at its cost less any accumulated amortization and impairment losses.**
81. **If the fair value of a revalued intangible asset can no longer be determined by reference to an active market, the carrying amount of the asset shall be its revalued amount at the date of the last revaluation by reference to the active market less any subsequent accumulated amortization and any subsequent accumulated impairment losses.**
82. The fact that an active market no longer exists for a revalued intangible asset may indicate that the asset may be impaired and that it needs to be tested in accordance with MPSAS 21 or MPSAS 26, as appropriate.
83. If the fair value of the asset can be determined by reference to an active market at a subsequent measurement date, the revaluation model is applied from that date.
84. **If an intangible asset's carrying amount is increased as a result of a revaluation, the increase shall be credited directly to revaluation surplus. However, the increase shall be recognized in surplus or deficit to the extent that it reverses a revaluation decrease of the same asset previously recognized in surplus or deficit.**
85. **If an intangible asset's carrying amount is decreased as a result of a revaluation, the decrease shall be recognized in surplus or deficit. However, the decrease shall be recognized directly in net assets/equity to the extent of any credit balance in the revaluation surplus in respect of that asset. The decrease recognized directly in net assets/equity reduces the amount accumulated in net assets/equity under the heading of revaluation surplus.**
86. The cumulative revaluation surplus included in net assets/equity may be transferred directly to accumulated surpluses or deficits when the surplus is realized. The whole surplus may be realized on the retirement or disposal of the asset. However, some of the surplus may be realized as the asset is used by the entity; in such a case, the amount of the surplus realized is the difference between amortization based on the revalued carrying amount of the asset and amortization that would have been recognized based on the asset's historical cost. The transfer from revaluation surplus to accumulated surpluses or deficits is not made through surplus or deficit.

Useful Life

87. **An entity shall assess whether the useful life of an intangible asset is finite or indefinite and, if finite, the length of, or number of production or similar units constituting, that useful life. An intangible asset shall be regarded by the entity as having an indefinite**

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useful life when, based on an analysis of all of the relevant factors, there is no foreseeable limit to the period over which the asset is expected to generate net cash inflows for, or provide service potential to, the entity.

88. The accounting for an intangible asset is based on its useful life. An intangible asset with a finite useful life is amortized (see paragraphs 96–105), and an intangible asset with an indefinite useful life is not (see paragraphs 106–109). The Illustrative Examples accompanying this Standard illustrate the determination of useful life for different intangible assets, and the subsequent accounting for those assets based on the useful life determinations.
89. Many factors are considered in determining the useful life of an intangible asset, including:
- (a) The expected usage of the asset by the entity and whether the asset could be managed efficiently by another management team;
 - (b) Typical product life cycles for the asset and public information on estimates of useful lives of similar assets that are used in a similar way;
 - (c) Technical, technological, commercial, or other types of obsolescence;
 - (d) The stability of the industry in which the asset operates and changes in the market demand for the products or services output from the asset;
 - (e) Expected actions by competitors or potential competitors;
 - (f) The level of maintenance expenditure required to obtain the expected future economic benefits or service potential from the asset and the entity's ability and intention to reach such a level;
 - (g) The period of control over the asset and legal or similar limits on the use of the asset, such as the expiry dates of related leases; and
 - (h) Whether the useful life of the asset is dependent on the useful life of other assets of the entity.
90. The term "indefinite" does not mean "infinite." The useful life of an intangible asset reflects only that level of future maintenance expenditure required to maintain the asset at its standard of performance assessed at the time of estimating the asset's useful life, and the entity's ability and intention to reach such a level. A conclusion that the useful life of an intangible asset is indefinite should not depend on planned future expenditure in excess of that required to maintain the asset at that standard of performance.
91. Given the history of rapid changes in technology, computer software and many other intangible assets are susceptible to technological obsolescence. Therefore, it is likely that their useful life is short.

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92. The useful life of an intangible asset may be very long or even indefinite. Uncertainty justifies estimating the useful life of an intangible asset on a prudent basis, but it does not justify choosing a life that is unrealistically short.
93. **The useful life of an intangible asset that arises from binding arrangements (including rights from contracts or other legal rights) shall not exceed the period of the binding arrangement (including rights from contracts or other legal rights), but may be shorter depending on the period over which the entity expects to use the asset. If the binding arrangements (including rights from contracts or other legal rights) are conveyed for a limited term that can be renewed, the useful life of the intangible asset shall include the renewal period(s) only if there is evidence to support renewal by the entity without significant cost.**
94. There may be economic, political, social, and legal factors influencing the useful life of an intangible asset. Economic, political, or social factors determine the period over which future economic benefits or service potential will be received by the entity. Legal factors may restrict the period over which the entity controls access to such economic benefits or service potential. The useful life is the shorter of the periods determined by these factors.
95. Existence of the following factors, among others, indicates that an entity would be able to renew the binding arrangements (including rights from contracts or other legal rights) without significant cost:
- (a) There is evidence, possibly based on experience, that the binding arrangements (including rights from contracts or other legal rights) will be renewed. If renewal is contingent upon the consent of a third party, this includes evidence that the third party will give its consent;
 - (b) There is evidence that any conditions necessary to obtain renewal will be satisfied; and
 - (c) The cost to the entity of renewal is not significant when compared with the future economic benefits or service potential expected to flow to the entity from renewal.

If the cost of renewal is significant when compared with the future economic benefits or service potential expected to flow to the entity from renewal, the “renewal” cost represents, in substance, the cost to acquire a new intangible asset at the renewal date.

Intangible Assets with Finite Useful Lives

Amortization Period and Amortization Method

96. **The depreciable amount of an intangible asset with a finite useful life shall be allocated on a systematic basis over its useful life. Amortization shall begin when the asset is available for use, i.e., when it is in the location and condition necessary for it to be capable of operating in the manner intended by management. Amortization shall**

cease at the earlier of the date that the asset is classified as held for sale (or included in a disposal group that is classified as held for sale) in accordance with the relevant international or national accounting standard dealing with non-current assets held for sale and discontinued operations and the date that the asset is derecognized. The amortization method used shall reflect the pattern in which the asset's future economic benefits or service potential are expected to be consumed by the entity. If that pattern cannot be determined reliably, the straight-line method shall be used. The amortization charge for each period shall be recognized in surplus or deficit unless this or another Standard permits or requires it to be included in the carrying amount of another asset.

97. A variety of amortization methods can be used to allocate the depreciable amount of an asset on a systematic basis over its useful life. These methods include the straight-line method, the diminishing balance method, and the unit of production method. The method used is selected on the basis of the expected pattern of consumption of the expected future economic benefits or service potential embodied in the asset and is applied consistently from period to period, unless there is a change in the expected pattern of consumption of those future economic benefits or service potential.
98. Amortization is usually recognized in surplus or deficit. However, sometimes the future economic benefits or service potential embodied in an asset are absorbed in producing other assets. In this case, the amortization charge constitutes part of the cost of the other asset and is included in its carrying amount. For example, the amortization of intangible assets used in a production process is included in the carrying amount of inventories (see MPSAS 12).

Residual Value

99. **The residual value of an intangible asset with a finite useful life shall be assumed to be zero unless:**
- (a) **There is a commitment by a third party to acquire the asset at the end of its useful life; or**
 - (b) **There is an active market for the asset, and:**
 - (i) **Residual value can be determined by reference to that market; and**
 - (ii) **It is probable that such a market will exist at the end of the asset's useful life.**
100. The depreciable amount of an asset with a finite useful life is determined after deducting its residual value. A residual value other than zero implies that an entity expects to dispose of the intangible asset before the end of its economic life.
101. An estimate of an asset's residual value is based on the amount recoverable from disposal using prices prevailing at the date of the estimate for the sale of a similar asset that has reached the end of its useful life and has operated under conditions similar to those in which the asset will

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be used. The residual value is reviewed at least at each reporting date. A change in the asset's residual value is accounted for as a change in an accounting estimate in accordance with MPSAS 3, *Accounting Policies, Changes in Accounting Estimates and Errors*.

102. The residual value of an intangible asset may increase to an amount equal to or greater than the asset's carrying amount. If it does, the asset's amortization charge is zero unless and until its residual value subsequently decreases to an amount below the asset's carrying amount.

Review of Amortization Period and Amortization Method

103. **The amortization period and the amortization method for an intangible asset with a finite useful life shall be reviewed at least at each reporting date. If the expected useful life of the asset is different from previous estimates, the amortization period shall be changed accordingly. If there has been a change in the expected pattern of consumption of the future economic benefits or service potential embodied in the asset, the amortization method shall be changed to reflect the changed pattern. Such changes shall be accounted for as changes in accounting estimates in accordance with MPSAS 3.**

104. During the life of an intangible asset, it may become apparent that the estimate of its useful life is inappropriate. For example, the recognition of an impairment loss may indicate that the amortization period needs to be changed.

105. Over time, the pattern of future economic benefits or service potential expected to flow to an entity from an intangible asset may change. For example, it may become apparent that a diminishing balance method of amortization is appropriate rather than a straight-line method. Another example is if use of the rights represented by a licence is deferred pending action on other components of the entity's strategic plan. In this case, economic benefits or service potential that flow from the asset may not be received until later periods.

Intangible Assets with Indefinite Useful Lives

106. **An intangible asset with an indefinite useful life shall not be amortized.**
107. In accordance with MPSAS 21 and MPSAS 26, an entity is required to test an intangible asset with an indefinite useful life or an intangible asset not yet available for use for impairment by comparing its recoverable service amount or its recoverable amount, as appropriate, with its carrying amount:
- (a) Annually; and
 - (b) Whenever there is an indication that the intangible asset may be impaired.

Review of Useful Life Assessment

108. **The useful life of an intangible asset that is not being amortized shall be reviewed each reporting period to determine whether events and circumstances continue to support an**

indefinite useful life assessment for that asset. If they do not, the change in the useful life assessment from indefinite to finite shall be accounted for as a change in an accounting estimate in accordance with MPSAS 3.

109. For intangible assets measured under the cost model, reassessing the useful life of an intangible asset as finite rather than indefinite in accordance with either MPSAS 21 or MPSAS 26, as appropriate, is an indicator that the asset may be impaired. As a result, the entity tests the asset for impairment by comparing its recoverable service amount or its recoverable amount, determined in accordance with either MPSAS 21 or MPSAS 26, as appropriate, with its carrying amount, and recognizing any excess of the carrying amount over the recoverable service amount or recoverable amount as appropriate, as an impairment loss.

Recoverability of the Carrying Amount - Impairment Losses

110. To determine whether an intangible asset measured under the cost model is impaired, an entity applies either MPSAS 21 or MPSAS 26, as appropriate. Those Standards explain when and how an entity reviews the carrying amount of its assets, how it determines the recoverable service amount or recoverable amount of an asset, as appropriate, and when it recognizes or reverses an impairment loss.

Retirements and Disposals

111. **An intangible asset shall be derecognized:**
- (a) **On disposal (including disposal through a non-exchange transaction); or**
 - (b) **When no future economic benefits or service potential are expected from its use or disposal.**
112. **The gain or loss arising from the derecognition of an intangible asset shall be determined as the difference between the net disposal proceeds, if any, and the carrying amount of the asset. It shall be recognized in surplus or deficit when the asset is derecognized (unless MPSAS 13 requires otherwise on a sale and leaseback).**
113. The disposal of an intangible asset may occur in a variety of ways (e.g., by sale, by entering into a finance lease, or through a non-exchange transaction). In determining the date of disposal of such an asset, an entity applies the criteria in MPSAS 9, *Revenue from Exchange Transactions* for recognizing revenue from the sale of goods. MPSAS 13 applies to disposal by a sale and leaseback.
114. If, in accordance with the recognition principle in paragraph 28, an entity recognizes in the carrying amount of an asset the cost of a replacement for part of an intangible asset, then it derecognizes the carrying amount of the replaced part. If it is not practicable for an entity to determine the carrying amount of the replaced part, it may use the cost of the replacement as an indication of what the cost of the replaced part was at the time it was acquired or internally

generated.

115. The consideration receivable on disposal of an intangible asset is recognized initially at its fair value. If payment for the intangible asset is deferred, the consideration received is recognized initially at the cash price equivalent. The difference between the nominal amount of the consideration and the cash price equivalent is recognized as interest revenue in accordance with MPSAS 9 reflecting the effective yield on the receivable.
116. Amortization of an intangible asset with a finite useful life does not cease when the intangible asset is no longer used, unless the asset has been fully depreciated or is classified as held for sale (or included in a disposal group that is classified as held for sale) in accordance with the relevant international or national accounting standard dealing with non-current assets held for sale and discontinued operations.

Disclosure

General

117. **An entity shall disclose the following for each class of intangible assets, distinguishing between internally generated intangible assets and other intangible assets:**
- (a) **Whether the useful lives are indefinite or finite and, if finite, the useful lives or the amortization rates used;**
 - (b) **The amortization methods used for intangible assets with finite useful lives;**
 - (c) **The gross carrying amount and any accumulated amortization (aggregated with accumulated impairment losses) at the beginning and end of the period;**
 - (d) **The line item(s) of the statement of financial performance in which any amortization of intangible assets is included;**
 - (e) **A reconciliation of the carrying amount at the beginning and end of the period showing:**
 - (i) **Additions, indicating separately those from internal development and those acquired separately;**
 - (ii) **Assets classified as held for sale or included in a disposal group classified as held for sale in accordance with the relevant international or national accounting standard dealing with non-current assets held for sale and discontinued operations and other disposals;**
 - (iii) **Increases or decreases during the period resulting from revaluations under paragraphs 74, 84 and 85 (if any);**

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- (iv) **Impairment losses recognized in surplus or deficit during the period in accordance with MPSAS 21 or MPSAS 26 (if any);**
- (v) **Impairment losses reversed in surplus or deficit during the period in accordance with MPSAS 21 or MPSAS 26 (if any);**
- (vi) **Any amortization recognized during the period;**
- (vii) **Net exchange differences arising on the translation of the financial statements into the presentation currency, and on the translation of a foreign operation into the presentation currency of the entity; and**
- (viii) **Other changes in the carrying amount during the period.**

118. A class of intangible assets is a grouping of assets of a similar nature and use in an entity's operations. Examples of separate classes may include:

- (a) Brand names;
- (b) Mastheads and publishing titles;
- (c) Computer software;
- (d) Licences;
- (e) Copyrights, patents, and other industrial property rights, service, and operating rights;
- (f) Recipes, formulae, models, designs, and prototypes; and
- (g) Intangible assets under development.

The classes mentioned above are disaggregated (aggregated) into smaller (larger) classes if this results in more relevant information for the users of the financial statements.

119. An entity discloses information on impaired intangible assets in accordance with MPSAS 21 or MPSAS 26 in addition to the information required by paragraph 117(e)(iii)–(v).

120. MPSAS 3 requires an entity to disclose the nature and amount of a change in an accounting estimate that has a material effect in the current period or is expected to have a material effect in subsequent periods. Such disclosure may arise from changes in:

- (a) The assessment of an intangible asset's useful life;
- (b) The amortization method; or
- (c) Residual values.

121. **An entity shall also disclose:**

- (a) **For an intangible asset assessed as having an indefinite useful life, the carrying amount of that asset and the reasons supporting the assessment of an indefinite useful life. In giving these reasons, the entity shall describe the factor(s) that played a significant role in determining that the asset has an indefinite useful life.**
- (b) **A description, the carrying amount, and remaining amortization period of any individual intangible asset that is material to the entity's financial statements.**
- (c) **For intangible assets acquired through a non-exchange transaction and initially recognized at fair value (see paragraphs 42–43):**
 - (i) **The fair value initially recognized for these assets;**
 - (ii) **Their carrying amount; and**
 - (iii) **Whether they are measured after recognition under the cost model or the revaluation model.**
- (d) **The existence and carrying amounts of intangible assets whose title is restricted and the carrying amounts of intangible assets pledged as security for liabilities.**
- (e) **The amount of contractual commitments for the acquisition of intangible assets.**

122. When an entity describes the factor(s) that played a significant role in determining that the useful life of an intangible asset is indefinite, the entity considers the list of factors in paragraph 89.

Intangible Assets Measured after Recognition using the Revaluation Model

123. **If intangible assets are accounted for at revalued amounts, an entity shall disclose the following:**

- (a) **By class of intangible assets:**
 - (i) **The effective date of the revaluation;**
 - (ii) **The carrying amount of revalued intangible assets; and**
 - (iii) **The carrying amount that would have been recognized had the revalued class of intangible assets been measured after recognition using the cost model in paragraph 73;**
- (b) **The amount of the revaluation surplus that relates to intangible assets at the beginning and end of the reporting period, indicating the changes during the**

**reporting period and any restrictions on the distribution of the balance to owners;
and**

- (c) **The methods and significant assumptions applied in estimating the assets' fair values.**

124. It may be necessary to aggregate the classes of revalued assets into larger classes for disclosure purposes. However, classes are not aggregated if this would result in the combination of a class of intangible assets that includes amounts measured under both the cost and revaluation models.

Research and Development Expenditure

125. **An entity shall disclose the aggregate amount of research and development expenditure recognized as an expense during the period.**

126. Research and development expenditure comprises all expenditure that is directly attributable to research or development activities (see paragraphs 64 and 65 for guidance on the type of expenditure to be included for the purpose of the disclosure requirement in paragraph 125).

Other Information

127. An entity is encouraged, but not required, to disclose the following information:

- (a) A description of any fully amortized intangible asset that is still in use; and
- (b) A brief description of significant intangible assets controlled by the entity but not recognized as assets because they did not meet the recognition criteria in this Standard.

Transition

128. **An entity that has previously recognized intangible assets shall apply this Standard retrospectively in accordance with MPSAS 3.**

129. **An entity that has not previously recognized intangible assets and uses the accrual basis of accounting shall apply this Standard prospectively. However, retrospective application is permitted.**

130. For intangible items that meet:

- (a) The recognition criteria in this Standard (including reliable measurement of original cost); and
- (b) The criteria in this Standard for revaluation (including existence of an active market);

an entity may elect to measure an intangible asset on the date of transition, at its fair value and use that fair value as its deemed cost at that date.

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131. An entity may elect to use a previous revaluation of an intangible asset at, or before, the date of transition as deemed cost at the date of the revaluation, if the revaluation was, at the date of the revaluation, broadly comparable to:
- (a) Fair value; or
 - (b) Cost or depreciated cost in accordance with MPSASs, adjusted to reflect, for example, changes in a general or specific price index.

Effective Date

132. **An entity shall apply this Standard for annual financial statements covering periods beginning on or after January 1, 2017. Earlier application is encouraged. If an entity applies this Standard for a period beginning before January 1, 2017, it shall disclose that fact and apply MPSAS 21 and MPSAS 26 at the same time.**
133. When an entity adopts the accrual basis of accounting as defined by MPSASs for financial reporting purposes subsequent to this effective date, this Standard applies to the entity's annual financial statements covering periods beginning on or after the date of adoption.

Application Guidance

This Appendix is an integral part of MPSAS 31.

Website Costs

- AG1. An entity may incur internal expenditure on the development and operation of its own website for internal or external access. A website designed for external access may be used for various purposes such as to disseminate information, create awareness of services, request comment on draft legislation, promote and advertise an entity's own services and products, provide electronic services, and sell services and products. A website designed for internal access may be used to store entity policies and details of users of a service, and search relevant information.
- AG2. The stages of a website's development can be described as follows:
- (a) Planning—includes undertaking feasibility studies, defining objectives and specifications, evaluating alternatives, and selecting preferences;
 - (b) Application and Infrastructure Development—includes obtaining a domain name, purchasing and developing hardware and operating software, installing developed applications, and stress testing;
 - (c) Graphical Design Development—includes designing the appearance of web pages; and
 - (d) Content Development—includes creating, purchasing, preparing, and uploading information, either textual or graphical in nature, on the website before the completion of the website's development. This information may either be stored in separate databases that are integrated into (or accessed from) the website or coded directly into the web pages.
- AG3. Once development of a website has been completed, the Operating stage begins. During this stage, an entity maintains and enhances the applications, infrastructure, graphical design, and content of the website.
- AG4. When accounting for internal expenditure on the development and operation of an entity's own website for internal or external access, the issues are:
- (a) Whether the website is an internally generated intangible asset that is subject to the requirements of this Standard; and
 - (b) The appropriate accounting treatment of such expenditure.

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- AG5. This Application Guidance does not apply to expenditure on purchasing, developing, and operating hardware (e.g., web servers, staging servers, production servers, and Internet connections) of a website. Such expenditure is accounted for under MPSAS 17. Additionally, when an entity incurs expenditure on an Internet service provider hosting the entity's website, the expenditure is recognized as an expense when the services are received.
- AG6. MPSAS 31 does not apply to intangible assets held by an entity for sale in the ordinary course of operations (see MPSAS 11 and MPSAS 12) or leases that fall within the scope of MPSAS 13. Accordingly, this Application Guidance does not apply to expenditure on the development or operation of a website (or website software) for sale to another entity. When a website is leased under an operating lease, the lessor applies this Application Guidance. When a website is leased under a finance lease, the lessee applies this Application Guidance after initial recognition of the leased asset.
- AG7. An entity's own website that arises from development and is for internal or external access is an internally generated intangible asset that is subject to the requirements of this Standard.
- AG8. A website arising from development is recognized as an intangible asset if, and only if, in addition to complying with the general requirements described in paragraph 28 of this Standard for recognition and initial measurement, an entity can satisfy the requirements in paragraph 55 of this Standard. In particular, an entity may be able to satisfy the requirement to demonstrate how its website will generate probable future economic benefits or serviced potential in accordance with paragraph 55(d) of this Standard when, for example, the website is capable of generating revenues, including direct revenues from enabling orders to be placed, or providing services using the website, rather than at a physical location using civil servants. An entity is not able to demonstrate how a website developed solely or primarily for promoting and advertising its own services and products will generate probable future economic benefits or service potential, and consequently all expenditure on developing such a website is recognized as an expense when incurred.
- AG9. Any internal expenditure on the development and operation of an entity's own website is accounted for in accordance with this Standard. The nature of each activity for which expenditure is incurred (e.g., training employees and maintaining the website) and the website's stage of development or post-development are evaluated to determine the appropriate accounting treatment (additional guidance is provided in the table included at the end of this Application Guidance). For example:
- (a) The Planning stage is similar in nature to the research phase in paragraphs 52–54 of this Standard. Expenditure incurred in this stage is recognized as an expense when it is incurred;
 - (b) The Application and Infrastructure Development stage, the Graphical Design stage, and the Content Development stage, to the extent that content is developed for purposes other than to advertise and promote an entity's own services and products,

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are similar in nature to the development phase in paragraphs 55–62 of this Standard. Expenditure incurred in these stages is included in the cost of a website recognized as an intangible asset in accordance with paragraph AG8 when the expenditure can be directly attributed and is necessary to creating, producing or preparing the website for it to be capable of operating in the manner intended by management. For example, expenditure on purchasing or creating content (other than content that advertises and promotes an entity's own services and products) specifically for a website, or expenditure to enable use of the content (e.g., a fee for acquiring a license to reproduce) on the website, is included in the cost of development when this condition is met. However, in accordance with paragraph 83 of this Standard, expenditure on an intangible item that was initially recognized as an expense in previous financial statements is not recognized as part of the cost of an intangible asset at a later date (e.g., if the costs of a copyright have been fully amortized, and the content is subsequently provided on a website);

- (c) Expenditure incurred in the Content Development stage, to the extent that content is developed to advertise and promote an entity's own services and products (e.g., digital photographs of products), is recognized as an expense when incurred in accordance with paragraph 67(c) of this Standard. For example, when accounting for expenditure on professional services for taking digital photographs of an entity's own products and for enhancing their display, expenditure is recognized as an expense as the professional services are received during the process, not when the digital photographs are displayed on the website; and
- (d) The Operating stage begins once development of a website is complete. Expenditure incurred in this stage is recognized as an expense when it is incurred unless it meets the recognition criteria in paragraph 28 of this Standard.

AG10. A website that is recognized as an intangible asset under paragraph AG8 of this Application Guidance is measured after initial recognition by applying the requirements of paragraphs 71–86 of this Standard. The best estimate of a website's useful life should be short, as described in paragraph 91.

AG11. The guidance in paragraphs AG1–AG10 does not specifically apply to software development costs. However, an entity may apply the principles in these paragraphs.

ILLUSTRATIVE EXAMPLES

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Illustrative Examples

These examples accompany, but are not part of, MPSAS 31.

Recognition and Measurement of an Internally-Generated Intangible Asset

Example Applying Paragraph 63 of this Standard

- IE1. An entity developed a new system to schedule court cases more effectively that will result in increased service delivery. During the financial year ending March 31, 20X8, expenditure incurred for the development of the system was RM 1,000,¹ of which RM 900 was incurred before March 1, 20X8 and RM 100 was incurred between March 1, 20X8 and March 31, 20X8. The entity is able to demonstrate that, at March 1, 20X8, the newly developed system met the criteria for recognition as an intangible asset. The recoverable service amount of the system (including future cash outflows to complete the development before it is available for use) is estimated to be RM 500.
- IE2. At the end of the financial year, the developed system is recognized as an intangible asset at a cost of RM 100 (expenditure incurred since the date when the recognition criteria were met, i.e., March 1, 20X8). The RM 900 expenditure incurred before March 1, 20X8 is recognized as an expense because the recognition criteria were not met until March 1, 20X8. This expenditure does not form part of the cost of the system recognized in the statement of financial position.
- IE3. During the financial year ending March 31, 20X9, expenditure incurred is RM 2,000. At the end of this financial year, the recoverable service amount of the system (including future cash outflows to complete the system before it is available for use) is estimated to be RM 1,900.
- IE4. As at March 31, 20X9, the cost of the developed system is RM 2,100 (RM 100 expenditure recognized at the end of 20X8 plus RM 2,000 expenditure recognized in the 20X9 financial year). The entity recognizes an impairment loss of RM 200 to adjust the carrying amount of the developed system before the impairment loss (RM 2,100) to its recoverable service amount (RM 1,900). This impairment loss will be reversed in a subsequent period if the requirements for the reversal of an impairment loss in MPSAS 21 are met.

Example Applying Paragraphs 55–65 of this Standard

- IE5. An entity is developing a system which produces statistical reports for its internal use and for sale to third-parties. The system is technically feasible, the entity is aware that there is a demand for this type of report and which third-parties are willing to pay for the product and therefore will generate probable future economic benefits. The expenditure attributable to the development of this system can be identified and measured reliably.

¹ In this Standard, monetary amounts are denominated in “Ringgit Malaysia” (RM).

Assessing the Useful Lives of Intangible Assets

- IE6. The following guidance provides examples on determining the useful life of an intangible asset in accordance with this Standard.
- IE7. Each of the following examples describes an acquired intangible asset, the facts and circumstances surrounding the determination of its useful life, and the subsequent accounting based on that determination.

An Acquired Patent with a Finite Useful Life

- IE8. Entity A acquires a patent over a formula for a vaccine, from Entity B to secure Entity A's ability to provide free vaccinations to its constituents. The vaccine protected by the patent is expected to be a source of service potential for at least 15 years. Entity A has a commitment from Entity C to purchase that patent in five years for 60 per cent of the fair value of the patent at the date it was acquired, and Entity A intends to sell the patent in five years.
- IE9. The patent would be amortized over its five-year useful life to Entity A, with a residual value equal to 60 per cent of the patent's fair value at the date it was acquired. The patent would also be reviewed for impairment in accordance with MPSAS 21.

An Acquired Patent with an Indefinite Useful Life

- IE10. Entity A acquires an asset, the patent over a formula for a vaccine, from Entity B to secure Entity A's ability to provide free vaccinations to its constituents. It is expected that the formula will need to be slightly modified every 10 years to maintain its efficacy. There is evidence to support ongoing renewal of the patent. A contract with Entity B stipulates that Entity B will maintain the efficacy of the formula continuously, and evidence supports its ability to do so. The costs to renew the patent and maintain the efficacy of the formula are expected to be insignificant and will be paid to the Entity B when the improvements are made.
- IE11. An analysis of product lifecycle studies, and demographic and environmental trends, provides evidence that the patent will provide service potential to Entity A by enabling it to deliver its vaccination program for an indefinite period. Accordingly, the patent would be treated as having an indefinite useful life. Therefore, the patent would not be amortized unless its useful life is determined to be finite. The patent would be tested for impairment in accordance with MPSAS21.

An Acquired Copyright that has a Remaining Legal Life of 50 Years

- IE12. Entity A acquires a copyright from Entity B to enable it to reproduce and sell the copyrighted material on a cost-recovery basis to its constituency. An analysis of the habits of the entity's constituency and other trends provides evidence that the copyrighted material

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will generate net cash inflows for only 30 more years.

- IE13. The copyright would be amortized over its 30-year estimated useful life. The copyright also would be reviewed for impairment in accordance with MPSAS 21.

An Acquired Broadcasting License that Expires in Five Years—Part A

- IE14. Entity A acquires a broadcasting license from Entity B. Entity A intends to provide free broadcasting services in the community. The broadcasting license is renewable every 10 years if Entity A provides at least an average level of service to its users of its service and complies with the relevant legislative requirements. The license may be renewed indefinitely at little cost and has been renewed twice before the most recent acquisition. Entity A intends to renew the license indefinitely and evidence supports its ability to do so. Historically, there has been no compelling challenge to the license renewal. The technology used in broadcasting is not expected to be replaced by another technology at any time in the foreseeable future. Therefore, the license is expected to contribute to Entity A's ability to provide free broadcasting services indefinitely.
- IE15. Entity B does not recognize its power to grant broadcasting licenses as an intangible asset. The broadcasting license would be treated by Entity A as having an indefinite useful life because it is expected to contribute to the entity's ability to provide free broadcasting services indefinitely. Therefore, the license would not be amortized until its useful life is determined to be finite. The license would be tested for impairment in accordance with MPSAS 21.

An Acquired Broadcasting License that Expires in Five Years—Part B

- IE16. The licensing authority subsequently decides that it will no longer renew broadcasting licenses, but rather will auction the licenses. At the time the licensing authority's decision is made, Entity A's broadcasting license has three years until it expires. Entity A expects that the license will continue to provide service potential until the license expires.
- IE17. Because the broadcasting license can no longer be renewed, its useful life is no longer indefinite. Thus, the acquired license would be amortized by Entity A over its remaining three-year useful life and immediately tested for impairment in accordance with MPSAS 21.

An Acquired Right to Operate a Public Transit Route Between Two Cities that Expires in Three Years

- IE18. Entity A acquires from Entity B a right to operate a public transit route between two cities, which generates revenues. The transit route may be renewed every five years, and Entity A intends to comply with the applicable rules and regulations surrounding renewal. Transit route renewals are routinely granted at a minimal cost and historically have been renewed when the entity that holds the rights to the route has complied with the applicable rules and regulations. Entity A expects to provide transit services on the route indefinitely. An analysis of demand and cash flows supports those assumptions.

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- IE19. Because the facts and circumstances support the public transit route providing cash flows to Entity A for an indefinite period of time, the intangible asset related to the transit route is treated as having an indefinite useful life. Therefore, the intangible asset would not be amortized until its useful life is determined to be finite. It would be tested for impairment in accordance with MPSAS 26 annually and whenever there is an indication that it may be impaired.

An Acquired List of Property Owners

- IE20. A local authority (Entity A) acquires a list of property owners from another public sector entity which is responsible for registering property deeds (Entity B). Entity B is at another level of government, and is not part of Entity A's reporting entity. Entity A intends to use the list to generate tax revenues and Entity A expects that it will be able to derive benefit from the information on the acquired list² for at least one year, but no more than three years.
- IE21. The list of property owners would be amortized over Entity A's best estimate of its useful life, say 18 months. Although Entity B may intend to add property owner names and other information to the list in the future, the expected benefits to Entity A of the acquired list relate only to the property owners on that list at the date Entity A acquired the list. The list of property owners also would be reviewed for impairment in accordance with MPSAS 21 by assessing annually and whenever there is any indication that it may be impaired.

Examples Illustrating the Application Guidance

- IE22. The purpose of the table is to illustrate examples of expenditure that occur during each of the stages described in paragraphs AG2–AG3 and to illustrate application of paragraphs AG4–AG11 to assist in clarifying their meaning. It is not intended to be a comprehensive checklist of expenditure that might be incurred.

² Although the local authority may intend to add property owners and other information to the database in the future, the expected benefits of the acquired database relate only to the property owners on that database at the date it was acquired. Subsequent additions would be considered to be internally-developed intangible assets, and accounted for in accordance with this Standard.

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STAGE/NATURE OF EXPENDITURE	ACCOUNTING TREATMENT
Planning	
<ul style="list-style-type: none"> • Undertaking feasibility studies; • Defining hardware and software specifications; • Evaluating alternative products and suppliers; and 	Recognize as an expense when incurred in accordance with paragraph 52 of this Standard.
Application and Infrastructure Development	
<ul style="list-style-type: none"> • Purchasing or developing hardware. • Obtaining a domain name; • Developing operating software (e.g., operating system and server software); • Developing code for the application; • Installing developed applications on the web server; and 	Apply the requirements of MPSAS 17. Recognize as an expense when incurred, unless the expenditure can be directly attributed to preparing the website to operate in the manner intended by management, and the website meets the recognition criteria in paragraphs 28 and 55 ³ of this Standard.
Graphical Design Development	
<ul style="list-style-type: none"> • Designing the appearance (e.g., layout and color) of web pages. 	Recognize as an expense when incurred, unless the expenditure can be directly attributed to preparing the website to operate in the manner intended by management, and the website meets the recognition criteria in paragraphs 28 and 55 ⁴ of this Standard.
Content Development	
<ul style="list-style-type: none"> • Creating, purchasing, preparing (e.g., creating links and identifying tags), and uploading information, either textual or graphic in nature, on the website before the completion of the website's development. Examples of content include information about an entity, services, or products, and topics that subscribers access. 	Recognize as an expense when incurred in accordance with paragraph 67(c) of this Standard to the extent that content is developed to advertise and promote an entity's own services and products (e.g., digital photographs of products). Otherwise, recognize as an expense when incurred, unless the expenditure can be directly attributed to preparing the website to operate in

³ All expenditure on developing a website solely or primarily for promoting, advertising, or providing information to the public at large regarding the entity's own products and services is recognized an expense when incurred in accordance with paragraph 66 of this Standard.

⁴ See footnote 3.

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STAGE/NATURE OF EXPENDITURE	ACCOUNTING TREATMENT
	the manner intended by management, and the website meets the recognition criteria in paragraphs 28 and 55 ⁵ of this Standard.
Operating	
<ul style="list-style-type: none"> • Updating graphics and revising content; • Adding new functions, features, and content; • Registering the website with search engines; • Backing up data; • Reviewing security access; and • Analyzing usage of the website. 	Assess whether it meets the definition of an intangible asset and the recognition criteria set out in paragraph 28 of this Standard, in which case the expenditure is recognized in the carrying amount of the website asset.
Other	
<ul style="list-style-type: none"> • Selling, administrative, and other general overhead expenditure unless it can be directly attributed to preparing the website for use to operate in the manner intended by management; • Clearly identified inefficiencies and initial operating deficits incurred before the website achieves planned performance (e.g., false-start testing); and • Training employees to operate the website. 	Recognize as an expense when incurred in accordance with paragraphs 63–69 of this Standard.

⁵ See footnote 3.

Comparison with IPSAS 31

MPSAS 31 *Intangible Assets* is drawn primarily from IPSAS 31. Main difference between MPSAS 31 and IPSAS 31 is as follows:

- In paragraph 5, MPSAS 31 explains that GBEs apply approved accounting standards issued by the MASB whereas IPSAS 31 explains that GBEs apply IFRS issued by IASB.