

Physical Asset Manager: 132104

Section Six: External Assessment Specifications

Occupational Purpose:

Physical asset managers optimize the performance and output potential of physical assets through systematic activities and practices throughout the life cycle of the asset within a risk framework to achieve strategic objectives.

Occupational Tasks:

- | | | |
|----|----------------------------------------------------------------------|-------|
| 1. | Design and develop an asset management system | NQF 8 |
| 2. | Perform strategic and annual physical asset management planning | NQF 8 |
| 3. | Establish the asset management capability of an organization | NQF 7 |
| 4. | Implement and monitor the asset management system | NQF 7 |
| 5. | Report on operational and financial performance of physical assets | NQF 7 |
| 6. | Review and evaluate the effectiveness of the asset management system | NQF 8 |

(Note: Within the context of this qualification, reference to “system” should be interpreted in its context and could refer to either an organizational methodology or a physical IT or manual system.)

Qualification Outcomes:

Integrated focus areas:	Weight	Assessment Criteria
1. The ability to show how the elements of the asset management system are integrated into a comprehensive whole and appropriateness to all phases of the asset life-cycle	12	<ul style="list-style-type: none"> Performance management is explained and motivated in terms of the execution thereof, review and improvement of assets The interrelatedness of the elements of the asset management system is described and evaluated The appropriateness of the elements of the asset management system is evaluated and motivated in terms of each phase of the life cycle
2. The ability to assess the appropriateness of the asset management system to the business in which it is performing	8	<ul style="list-style-type: none"> The appropriateness of the asset management system is analysed, reviewed in terms of efficacy, return on investment or cost-effectiveness, practicability; assess sustainability;
3. The ability to select and apply an appropriate methodology to review and evaluate the effectiveness of the asset management system	8	<ul style="list-style-type: none"> Various review and evaluation methods are described and compared Preferred methods are justified
4. The ability to develop from the strategic intent an asset management strategy in support of the	8	<ul style="list-style-type: none"> A strategic comparison and review is performed with recommendations and justifications in relation to values, outputs, effectiveness,

Integrated focus areas:	Weight	Assessment Criteria
organizational objectives executed through asset management plans		viability. <ul style="list-style-type: none"> • the comparison and review is integrated with the asset life cycle • Strategies are developed for developing the asset management capability of the organization
5. The ability to perform and assess long term asset management planning	8	<ul style="list-style-type: none"> • A thorough understanding of the importance and the contribution to the business is reflected when the effects of a plan or strategy is calculated and proposed • All phases of the asset life cycle are included and integrated • A strategic appraisal of the plan is performed and a comparison relating to internal and external criteria is formulated
6. The ability to identify barriers and challenges to maintaining a sustainable asset management system	8	<ul style="list-style-type: none"> • The system is reviewed and investigated to develop recommendations and justifications to avoid and overcome barriers and challenges which might jeopardize the sustainability
7. The ability to manage the project implementation of the asset management system	8	<ul style="list-style-type: none"> • Project management principles and practices are applied throughout the implementation cycle. • The barriers and obstacles in implementation of the asset management system are identify and analyse in terms of impact
8. the ability to initiate and lead change in the organization to improve the asset management system and the organizational capability	8	<ul style="list-style-type: none"> • A process is initiated to determine effective ways of addressing change management • Management tools to manage the organizational change the development of a suitable culture are appraised and justified • The processes that support effective delivery of AM strategy, objectives and plans are managed or influenced • The development and management of competence in the boardroom, the workplace and the supply chain are described • Suppliers of products and services are managed and developed. • Contracts are formed and managed in support of the strategic plan
9. The ability to report on the asset management system	8	<ul style="list-style-type: none"> • The development of levels of service, information management, financial analysis, demand management analysis, risk management and optimized decision-making are integrated. • Reporting is justified as a visibility element and includes internal and external communication, financial performance, availability, life cycle, capabilities, improvements, achieving targets, statutory requirements
10. The ability to report on the financial	8	<ul style="list-style-type: none"> • Contribute to the drafting and interpretation of

Integrated focus areas:	Weight	Assessment Criteria
performance of the asset management system		a financial and management report by utilizing data in the asset management system <ul style="list-style-type: none"> • Reflect on compliance to recognized reporting principles
11. The ability to apply a recognized management system /business process development methodology to the practical work situation	8	<ul style="list-style-type: none"> • Indicate the suitability of the applied management system development methodology • Discuss Critical success factors in implementation • Describe methods to ensure that the system requirements of the aspects such as knowledge management and record management are met. • Reflect on compliance to industry specific legislation • Describe methods to ensure maximum extraction of knowledge in a management meeting. • Work team plans are developed, implemented and evaluated
12. The ability to assess and align corporate, strategic and asset specific risks	8	<ul style="list-style-type: none"> • Asset condition management is related to risk mitigation strategies • Relevant statutory processes and accountability requirements is interpreted for applicability to organizational application • Operational, safety and environmental risk assessment is identified and addressed

Points or Specific Times when External Assessment must take Place

For this qualification there will be a single external assessment at the end of the qualification.

External Assessment Model:

The external assessment will have two components.

1. A written assessment. The written assessment will be conducted at decentralized, approved centers where invigilators will receive the examination papers and oversee the examination. The papers will be marked off site. (This could also be conducted electronically). An external examiner will moderate the assessment.
2. Workplace assignment. The assignment will be based on case studies performed in the workplace where the learner has the opportunity to reflect on the application of the learning and the practice of asset management. The assignment will be assessed by registered assessors.

Eligibility Requirements:

Automatically populated by the IT system

Criteria for Registration of Assessors:

Qualifications:

The assessor must have a Hons Degree in either accounting, engineering, quantity surveying, financial management or physical asset management

Experience:

at least 5 years experience

Context of the experience:

in a physical asset management position in an organization, managing a physical asset portfolio or involved in training of facilities maintenance and assets management.