



**Abu Dhabi Specification**

**خصائص أبوظبي الفنية**



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**First Edition**

**الإصدار الأول**

**Asset Management Standards  
– Review & Recommendations**

**معايير إدارة الأصول  
– مراجعة و توصيات**



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## Amendment Page

To ensure that each copy of this ADS contains a complete record of amendments, the Amendment Page is updated and issued with each set of revised/new pages of the document. This Technical Report is a live document which can be amended when necessary. QCC operates an Asset Management Working Group which prepared this document and can review stakeholder comments in order to review and amend this document, issuing an updated version when necessary.

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## About the Abu Dhabi Quality and Conformity Council

The Abu Dhabi Quality and Conformity Council (QCC) was established by law No. 3 of 2009, issued by His Highness Sheikh Khalifa Bin Zayed Al Nahyan, President of the UAE.

QCC is responsible for the development of Abu Dhabi Emirate's Quality Infrastructure, which enables industry and regulators to ensure that products, systems and personnel can be tested and certified to UAE and International Standards.

Products certified by QCC receive the Abu Dhabi Trustmark. The Trustmark is designed to communicate that a product or system conforms to various safety and performance standards that are set by Abu Dhabi regulators.

### 1- Foreword

The QCC Working Group for Asset Management was established in July 2012 with a view to reviewing the existing standards & draft standards for Asset Management, recommending the use of particular standards and, if necessary, preparing guidance documents for the special conditions and requirements found in Abu Dhabi.

What do we mean by Asset Management? In this context we are talking about the optimized sustainable life cycle management of physical assets such as roads, bridges, buildings.

The Abu Dhabi Government, of course, under the leadership of His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE and Ruler of Abu Dhabi, and His Highness Sheikh Mohamed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi, Deputy Supreme Commander of the UAE Armed Forces and Chairman of the Abu Dhabi Executive Council, has invested heavily in the Infrastructure of Abu Dhabi and continues to so invest. Consequently it is evident that the practice of Asset Management, which is aimed at preserving and optimizing the value of Assets, finds particular application in the Emirate of Abu Dhabi and, indeed, in the United Arab Emirates in general.

## 2 - Scope

This Abu Dhabi Specification recommends the use of particular standards for the practice of Asset Management. It provides information on the QCC Working Group on Asset Management, including participation in the international ISO Project Committee PC251.

## 3 - Acknowledgements

QCC would like to thank the members of the Working Group listed below and particularly Nicholas Wellwood, Consultant on Integrated Infrastructure Planning in the Department of Municipal Affairs.

The membership of the QCC Working Group is as follows:

Name	Entity
1 Mahmoud AlMarzooqi	Abu Dhabi Education Council (ADEC) (Chairman)
2 Alan Roland	Department of Transport (DoT) (Vice Chair)
3 Nicholas Wellwood	Department of Municipal Affairs (DMA)
4 Suweidan Al-Daheri	Department of Transport (DoT)
5 Eng. Issam Elchayeb	Abu Dhabi Education Council (ADEC)
6 Abdulmouti Al-Helwani	Emirates Auth. for Standardization & Metrology (ESMA)
7 Salma Al Ali	Abu Dhabi Distribution Company (ADDC)
8 Robin Kalathil	Abu Dhabi Distribution Company (ADDC)
9 Syed Muhammed Akhlaq	Abu Dhabi Sewerage Services Co. (ADSSC)
10 Hassan Darwish	Abu Dhabi Sewerage Services Co. (ADSSC)
11 Adel Mohammed Lahdan	Abu Dhabi Sewerage Services Co. (ADSSC)
12 Salah Mahmoud Rashed Hatamleh	Al Ain Distribution Co. (AADC)
13 Shareefa Abdulla Al Marzooqi	Abu Dhabi Transmission & Despatch Company (TRANSCO)
14 Salem Al-Mazrouei	Abu Dhabi Transmission & Despatch Company (TRANSCO)
15 Martin Cordwell	Halcrow
16 Glen Carruthers	Regulation & Supervision Bureau (RSB)
17 Ahmed El Hassan	Regulation & Supervision Bureau (RSB)
18 Colin Arthur	Musanada
19 Mehran Ibrahim Al Awadhi	Ducab - Dubai Cables
20 Abdulla Abdulla Alsuwaidi	Abu Dhabi Quality and Conformity Council
21 Enda McDonnell	Abu Dhabi Quality and Conformity Council (Coordinator)



## 4 - REVIEW AND RECOMMENDATIONS

### 4.1 General

The QCC policy is to encourage the use of UAE national standards published by ESMA (the Emirates Authority for Standardization and Metrology). In the field of Asset Management it is expected that the ISO 55000 series standards referenced above (currently at the DIS (Draft International Standard) stage) will be published by ISO in early 2014 and be published by ESMA as UAE standards sometime after that.

### 4.2 Document Review

#### 4.2.1 PAS 55 series of Asset Management standards

The British PAS 55 series of standards were used as a basis for the ISO 55000 standards currently under development, along with other national and international documents and manuals (Australia/New Zealand documents were also particularly influential in shaping thinking on the practice of Asset Management). As such PAS 55-1: 2008 and PAS 55-2: 2008 were among the precursors and fore-runners of the ISO 55000 series.

Abu Dhabi organizations have used the PAS 55 standards as references for their Asset Management Journey and some have targeted certification to these standards as part of their process. Abu Dhabi Transmission & Despatch Company (TRANSCO) is an example of an Abu Dhabi company which is well advanced down the road of Asset Management.



#### 4.2.2 ISO 55000 series of Asset Management standards

The QCC Working Group (WG Asset Management) reviewed the draft ISO 55000 standards at an earlier stage, the Committee Draft stage, and concluded that Abu Dhabi stakeholders should take account of these emerging international standards.

There is active UAE participation at the ISO TC 251 Project committee: Asset management which is working on the international draft standards, representing the UAE ISO member ESMA.

The ISO 55000 drafts, in the interests of achieving a global consensus, are more high-level and less specific than the standards which preceded them e.g. PAS 55.

QCC WG Asset Management is also aware of the unique scale of investment and other unique features of Abu Dhabi which could be the subject of particular guidance.

#### 4.3 QCC Working Group Recommendation

The QCC Working Group appreciates that the practice of Asset Management is a journey for each organization which needs senior management commitment, resources and the acquisition of experience by the organization. QCC WG Asset Management recognizes that the ISO 55000 standards on Asset Management, while of course not offering a complete solution, can offer common principles, definitions etc. in support of organization-wide introduction of asset management systems which optimize asset management life-cycle costs.

QCC WG Asset Management recommends that Abu Dhabi organizations, in particular those with responsibility for significant physical assets, adopt the ISO DIS 55000 series of standards as a Benchmark to assist them on their asset management journey.



## 5 - Executive Summary

The QCC Working Group on Asset Management recommends that Abu Dhabi organisations, which have responsibility for significant physical assets, take account of the ISO 55000 series of Asset Management standards currently under development in ISO as a vehicle to assist them on their Asset Management journey. In the meantime, the British PAS 55 standards are an excellent aid for Abu Dhabi organisations setting out on their Asset Management Journey.

The ISO 55000 series (ISO 55000, ISO 55001, ISO 55002) will set the global standard for Asset Management but, of necessity, the standards are quite general and high-level in their statement of requirements. Some of the specific guidance in the base documents, like PAS 55-1 and PAS 55-2, is not present in the draft world standards. Also Abu Dhabi is unique in certain respects which may give cause for particular guidance.

## 6 - Reviewed Documents (Standards)

ISO/DIS 55000

Asset management -- Overview, principles and terminology

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ISO/DIS 55001

Asset management -- Requirements

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ISO/DIS 55002

Asset management -- Guidelines on the application of ISO 55001

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Publisher : ISO (UAE ISO member body is ESMA - <http://www.esma.ae>)

**PAS 55-1:2008**

Asset management Specification for the optimised management of physical infrastructure assets

**PAS 55-2:2008**

Asset management Guidelines for the application of PAS 55-1

Publisher: BSI (<http://www.bsigroup.com>)