

# Modular Coordination Verification Scheme



IBS is a construction process that utilizes components or building system involving prefabricated components and on-site installation. One essential element in the implementation of IBS is the measurement system, which is known as Modular Coordination. It is an international system which standardizes measurement in buildings and the usage of Modular Coordination is an important factor in effective IBS application and it complements industrialization by standardization.

Modular Coordination Verification Scheme is a concept of coordination of dimension and space, in which buildings and components are dimensioned and positioned in terms of basic unit or module, known as '1M' which is equivalent to 100 mm. It is internationally accepted by the International Organization for Standardization (ISO) and many other countries including Malaysia.

The principle objective of Modular Coordination Verification Scheme is to improve productivity in the building industry through industrialization. This scheme will provide a positive step to streamline building planning, design, construction, manufacturing and assembly of building materials and components.

The Modular Coordination Verification Scheme was jointly launched on 28th March 2002 by the Construction Industry Development Board Malaysia (CIDB) and SIRIM QAS International.

CIDB, a statutory body established under the Lembaga Pembangunan Industri Pembinaan Malaysia Act 1994, has appointed SIRIM QAS INTERNATIONAL SDN. BHD. to provide verification services to the Modular Coordination Verification Scheme established in pursuant to compliance with the MS 1064 – Guide to Modular Coordination in Building Series.

## The Benefits of Certification

- Facilitates cooperation between building designers, manufacturers and contractors.
- In the design work, enables buildings to be so dimensioned that they can be erected with standard components without undue restriction on freedom of design.
- Permits a flexible type of standardization, which encourages the use of a limited number of standardized building components for the construction of different types of buildings.
- Optimizes the number of standard sizes of building components.
- Encourages, as far as possible, the interchangeability of components, materials, forms or methods of manufacture.
- Simplifies site operations by rationalizing the setting out, positioning and assembly of building components.
- Ensures dimensional coordination between installation (equipment, storage units, other fitted furniture etc.) as well as with the rest of the buildings.

## Why SIRIM QAS International?

SIRIM QAS International is the first Certification Body in the country to obtain accreditation from the Department of Standards Malaysia (STANDARDS MALAYSIA) for Product Certification Scheme to the ISO/IEC Guide 65 – General Requirements for Bodies Operating Product Certification Systems.

## Application Process

The Modular Coordination Verification Scheme is based on MS 1064-Guide to Modular Coordination in Building Series:

- |   |   |
|---|---|
| Part 1: General principles (First revision)   | Part 6: Coordinating sizes and preferred sizes for rigid flat sheets (First revision) |
| Part 2: Storey and room height (First revision)   | Part 7: Coordinating sizes and preferred sizes for tiles                              |
| Part 3: Coordinating sizes and preferred sizes for stairs and stair openings (First revision) | Part 8: Coordinating sizes and preferred sizes for masonry bricks and blocks          |
| Part 4: Coordinating sizes and preferred sizes for doorsets (First revision)                  | Part 9: Coordinating sizes and preferred sizes for cabinets.                          |
| Part 5: Coordinating sizes and preferred sizes for window sets                                | Part 10: Coordinating sizes and preferred sizes for reinforced concrete components    |

## Application Process

1	Enquiry
2	Submission of Application
3	Document Evaluation
4	Factory Audit
5	Sampling & Testing
6	Report Preparation
7	Recommendation & Approval
8	Surveillance Audit
9	Renewal

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### Sales, Marketing and Business Development Section

Tel : 603-5544 6402/6403  
Fax : 603-5544 6787  
E-mail : [qas\\_marketing@sirim.my](mailto:qas_marketing@sirim.my)

### SIRIM QAS International Sdn. Bhd.

Building 8, SIRIM Complex, No. 1, Persiaran Dato' Menteri, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor, Malaysia  
Tel : 603-5544 6400  
Fax : 603-5544 6810

[www.sirim-qas.com.my](http://www.sirim-qas.com.my)



MS ISO/IEC 17021 : 2006 QS 02121999 CB 01  
MS ISO/IEC 17021 : 2006 EMS 17122002 CB 02  
MS ISO/IEC GUIDE 65 : 2000 PC 05102004 CB 01  
MS ISO/IEC 17021 : 2006 OSH 06122005 CB 01  
MS ISO/IEC 17021 : 2006 HACCP 05022008 CB 03  
ISO/TS 22003 : 2007 FSMS 23122008 CB 01  
MS ISO/IEC 17021 : 2006 FMC 10122009 CB 02  
MS ISO/IEC 27006 : 2007 ISMS 17022011 CB 01



MS ISO/IEC 17025  
CALIBRATION / TESTING  
SAMM NO. 092 SAMM NO. 086  
SAMM NO. 087 SAMM NO. 219  
SAMM NO. 231 SAMM NO. 240  
SAMM NO. 299 SAMM NO. 377



MS ISO/IEC 17020  
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