

NO: SAMM 621(Issue 2, 8 June 2023 replacement
of SAMM 621 dated 20 October 2022)

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LABORATORY LOCATION:
(PERMANENT LABORATORY)
**SOFTWARE TESTING LABORATORY
MIMOS TECHNOLOGY SOLUTION SDN. BHD.
TECHNOLOGY PARK MALAYSIA
57000 KUALA LUMPUR
MALAYSIA**
FIELD OF TESTING: SOFTWARE

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF TESTING: SOFTWARE

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
1. Security-Hardware (HD) Appliance Software (SW) 2. Security 3. Hardware Appliance Software 4. Business (Groupware) Software 5. Embedded Software 6. Other Software (Requirement and Design Specification)	Static Test <ul style="list-style-type: none"> • Functional Characteristics • Performance Characteristics • Usability Characteristics • Security Characteristics • Data Characteristics • Mobile Characteristics 	QMS-WP-L3-STA Static Test Method with reference to ISO/IEC/IEEE 29148:2018

Signatories:

1. **Anjana Devi Kuppusamy**
2. **Ashok Sivaji**
3. **Azlan Deniel**
4. **Saiful Hizam Hashim (Data Sampling Test, Functional Test, Mobile Test)**

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1. Security-Hardware (HD) Appliance Software (SW) 2. Security 3. Hardware Appliance Software	Functional Test <ul style="list-style-type: none"> • Functional Completeness • Functional Correctness • Functional Appropriateness • Scenario Based Test • Risk Based Test 	QS-WP-L3-FUN Functional Test Method with reference to: <ul style="list-style-type: none"> • ISO/IEC 25010:2011 (E) • ISO/IEC 25023:2016 (E) • ISO/IEC/IECCC 29119-1-3:2013 (E) • ISO/IEC/IEEE 29119-4:2015 (E)
4. Business (Groupware) Software 5. Embedded Software 6. Other Software	Performance Test <ul style="list-style-type: none"> • Stress Testing • Load Testing • Soak Testing 	QMS-WP-L3-PER Performance Test Method with reference to: <ul style="list-style-type: none"> • ISO/IEC 25010:2011 (E) • ISO/IEC 25023:2016 (E) • ISO/IEC/IEEE 29119
	Security Test <ul style="list-style-type: none"> • Web Application Penetration Testing • Network Vulnerability Assessment and Penetration Testing • Mobile Application Penetration Testing • Host Configuration Review (Host Assessment) 	QMS-WP-L3-SEC Security Test Method with reference to: <ul style="list-style-type: none"> • ISO/IEC 25010:2011 (E) • ISO/IEC 25023:2016 (E) • ISO/IEC/IEEE 29119 • Open Web Application Security Project (OWASP) • Open Source Security Testing Methodology Manual (OSSTMM) • Penetration Testing Execution Standard (PTES)
	Usability Test <ul style="list-style-type: none"> • Heuristic Evaluation • User Experience Test • Gesture Specific Heuristics • Survey • Accessibility 	QMS-WP-L3-USA Usability Test Method with reference to: <ul style="list-style-type: none"> • ISO/IEC 25010:2011 (E) • ISO/IEC 25023:2016 (E) • ISO/IEC/IEEE 29119

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<ol style="list-style-type: none"> 1. Security-Hardware (HD) Appliance Software (SW) 2. Security 3. Hardware Appliance Software 4. Business (Groupware) Software 5. Embedded Software 6. Other Software 	<p>Data Sampling Test</p> <ul style="list-style-type: none"> • Data Migration Testing <ul style="list-style-type: none"> ○ Partial Migration Test ○ Full Migration Test ○ Rollback Migration Test • Data Validation <ul style="list-style-type: none"> ○ Data Characteristic Validation • Semantic <ul style="list-style-type: none"> ○ Appearance Test ○ Process-able Test ○ Integration Test 	<p>QMS-WP-L3-DAT Data Test Methods with reference to:</p> <ul style="list-style-type: none"> • ISO/IEC 25012:2008 • ISO/IEC 25024:2015
<ol style="list-style-type: none"> 7. Mobile Web-Based, Hybrid and Native Application 	<p>Mobile Test:</p> <ul style="list-style-type: none"> • Real Devices and Real Conditions Testing • Responsive Design in Browser Testing • Simulator and Emulator Testing – (Functional end-user flow & visual) • Automated Testing 	<p>QMS-WP-L3-MBT Mobile Test Methods with reference to:</p> <ul style="list-style-type: none"> • ISO/IEC 25010:2011 (E) • ISO/IEC 25023:2016 (E) • ISO/IEC/IEEE 29119-4:2015

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1. **Anjana Devi Kuppusamy**
2. **Ashok Sivaji**
3. **Azlan Deniel**
4. **Noor Ezleen Md Moksen (Functional Test)**
5. **Saiful Hizam Hashim (Data Sampling Test, Functional Test, Mobile Test)**