

Water Metering Code 2022

Material Amendments

No	Section	2006 – Water Metering Code	2022 – Water Metering Code	Explanation for Amendments
1	Foreword		Amended 'Forward' title to Foreword	Administrative error
2	Contents	Removed: - 9. Requirements for Meters for Non-Potable Water - Attachments	Section 9 is incorporated in the new metering code under Section 5.6 Special Requirements. The contents page for the new code also includes the following changes: - Definitions - 2. Quality Assurance Approach - 11. Application Forms - 15. Reference	<ul style="list-style-type: none"> The new code has been restructured to provide further clarity. As such Section 9 in the old code has been removed and incorporated in Section 5.6 of the new code.
3	Definition		Providing a lists of Definitions.	Provide clarity on definitions.
4	Introduction		Introduction now incorporates: - Background - Purpose - Legal Basis - Scope - Objectives	<ul style="list-style-type: none"> Provides further clarification on terminology. Aligns with Power and Water's document standards.
5	Legal Basis	Section 2 removed.	Included in Introduction, additions include: 1. Australian Metrological Requirements National Measurements Act (1960) as administered by NMI (National Measurement Institute) in conjunction with Australian Standard AS 3565 2. Water Supply and Sewerage Services ACT 3. Guidelines and Codes	<ul style="list-style-type: none"> The new code is more specific with respect to satisfying in service compliance to Australian Standards and meeting the NMI requirements.

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6	Scope	Section 3 removed.	<p>Included in Introduction, additions to the old code are:</p> <ol style="list-style-type: none"> 1. Scope of the new Water Metering Code has been increased to accommodate advanced metering technologies now being offered by industry such as electronic solid state meters 2. List of examples of limitations that are addressed by the new Code 	<ul style="list-style-type: none"> • Old code did not address advances in metering technology.
7	Quality Assurance Approach	N/A (replaced Attachment A and Attachment B in the new code)	<ol style="list-style-type: none"> 1. Provides a metrological Assurance Framework (MAF) as a 'quality assurance approach', these captured: <ul style="list-style-type: none"> - Meter Lifecycle Assessment - Meter selection and Sizing - Procurement - Installation - Operations and maintenance - Decommissioning 2. Data chain / pathway assessment. 	<ul style="list-style-type: none"> • Promotes consistency between Power and Water's Customer Contract and Customer Charter, metrological regulations, installation standards and water meter procurement requirements. • Newer meter technologies require less footprint. • Solid state meter technologies.
8	Code Compliance		<ol style="list-style-type: none"> 1. Added meter standards to comply with the provision and requirement of Australian Standards where no Australian Standard exists, materials, testing, techniques, workmanship and finish throughout shall comply with the provisions and requirements of: <ul style="list-style-type: none"> - International Standards Organisation (ISO) - Organisation International of Legal Metrology (OIML) - International Electro-technical Commission (IEC) 	Comments similar to item 5.

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9	Metrological Requirements		Updated a lists of requirement for implementation of Australian Metrological Requirements.	<ul style="list-style-type: none"> Each process within the meter’s lifecycle is to be scrutinised and purposely managed to ensure that confidence is maintained throughout the meter’s design life
10	Metering Installation Responsibilities		Additions to the old code are: <ul style="list-style-type: none"> Backflow prevention Water Meter Ownership Flow Restrictors 	<ul style="list-style-type: none"> To comply with internal Policy Change on backflow requirements.
11	Metering Installation Arrangement	Removed combination meters	Additions to the old code are: <ol style="list-style-type: none"> Standard meter types Meter filling points Portable meters Fire fighting Special requirement <ul style="list-style-type: none"> Meters for Non-Portable Water this replaced Section 9 (Requirement for Meters for Non-Portable Water) in old Code Special Health Needs Customers 	<ul style="list-style-type: none"> Combination meters no longer used due to metering technology improving.
12	Testing and Replacement of Meters		Updated to incorporate in-service compliance testing of water meters in accordance with Australian Standard AS3465 and the WSAA Code of Practice for Compliance Testing of In-Service Water Meters (WSA 11) and comprehensive meter replacement criteria based on the results of the testing.	<ul style="list-style-type: none"> Mechanical meters are subject to measurement error decay resulting in non-registration and under-registration Ensure meter accuracy through application of regulatory in-service requirements

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13	Protection and Security Metering Installation		In addition to the new codes are; <ol style="list-style-type: none"> 1. Environmental and Operation conditions 2. Multi-Unit Developments 	<ul style="list-style-type: none"> • Meters need to operate under varying consumption requirements.
14	Customer Complaints	Complaint handled by Customer Service's staff and further complaint referred to Power and Water Technology Services	Any complaint will be handled in line with Power Water's Customer Contract.	Customer contract is the main document for Power and Water outlining the contractual obligations with customers.
15	Applicable Forms		Providing a website link to access all applicable standard forms.	Provides clarity for customers to access the relevant forms.
16	References		Providing list of References.	As Above