

Water UK Standards Board Strategy: Extreme Weather

1. Purpose of this document

This document has been developed by the Water UK Standards Board (WSB) to ensure that the appropriate international (ISO), European (CEN), and British (BS) standards – and, if necessary, Water Industry Standards (WIS) or Industry Guidance Notes (IGN) - are in place to support the UK water industry in adapting to Extreme Weather.

2. Key Standards

The key outcomes within this area are to understand the need for any standards associated with Extreme Weather to aid the UK Water industry’s operational adaptation to climate change. This is an area heavily managed through legislation and regulation and hence is a mature area for standards relating to water supply, distribution, and wastewater collection and treatment. With challenges arising out of extreme weather and rapidly changing socio-economic expectations this may drive a need for change in current standards or result in gaps. The standards committees listed below may include this topic as a part of their future work: -

| CEN/TC | UK Mirror Committee |
|---|--|
| CEN/TC 92 <i>Test methods and equipment for cold water meters</i> | CPI/30/7 <i>Volume flow-rate methods</i> |
| CEN/TC 155 WG26 <i>Storm water management (re: underground infiltration; attenuation)</i> | PRI/88/5 - <i>Underground infiltration, attenuation and storage systems</i> |
| CEN/TC 164 <i>Water Supply</i> | B/504 <i>Water Supply</i> |
| CEN/TC 165 <i>Wastewater Engineering</i> | B/505 <i>Wastewater Engineering</i> |
| CEN/TC 165/WG 4 <i>Manhole tops, gully tops, drainage channels and other ancillary components for use outside buildings</i> | B/505/4 <i>Manhole tops, gully tops, drainage channels and other ancillary components for use outside buildings (re: covers and gullies)</i> |
| CEN/TC 165/WG 8 <i>Separators</i> | B/505/8 <i>Separators</i> |
| CEN/TC 165/WG11 <i>Gratings, covers and other ancillary components for use inside buildings</i> | B/505/11 <i>Gratings, covers and other ancillary components for use inside buildings (re: waste outlets)</i> |
| CEN/TC 165/WG21 <i>Drainage systems inside buildings</i> | B/505/21 <i>Drainage systems inside buildings</i> |
| CEN/TC 165/WG22 <i>Drainage outside buildings</i> | B/505/22 <i>Drainage outside buildings (re: climate change & rainfall mapping)</i> |
| CEN/TC 138 <i>Hydrometry</i> | CPI/113 <i>Hydrometry</i> |
| CEN/TC 318/WG 14 <i>Hydrometric network design and its optimization</i> | |
| ISO/TC | UK Mirror Committee |
| ISO/TC 30/SC 7 <i>Volume methods including water meters</i> | CPI/30/7 <i>Volume flow-rate methods</i> |

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| ISO/TC 113 <i>Hydrometry</i> | CPI/113 <i>Hydrometry</i> |
| ISO/TC 113/SC1 <i>Velocity Area Methods</i> | CPI/113/1 <i>Velocity Area Methods</i> |
| ISO/TC 113/SC 2 <i>Flow measurement structures</i> | CPI/113/2 <i>Notches, Weirs and Flumes</i> |
| ISO/TC 224 <i>Drinking water, wastewater and stormwater systems and services</i> | CB/503 <i>Drinking water and wastewater service levels</i> |
| ISO/TC 224/WG11 <i>Drinking water, wastewater and stormwater systems and services – Urban Storm Water Management</i> | |
| ISO/TC 251 <i>Asset Management</i> | AMS/1 <i>Asset Management</i> |
| BSI Committee | |
| CB/501 <i>Flood risk & watercourses</i> | |

There are no current WIS and IGNS related to Extreme Weather or Climate Change.

3. Key Areas of Activity for the Standards Board

To support the Water Industry, the WSB will undertake the following activities: -

| Action | Detail | Owner | Completion Date |
|---------------------|---|----------------|-----------------|
| Horizon scan | Seek regular feedback from Water UK Committees, and UKWIR as this area develops to identify the need for any standards that would assist the UK water industry. | Jason Dearlove | March 2024 |
| Support | Support the refresh and review of all WIS and IGN as a priority, see separate strategy document. | Jason Dearlove | March 2024 |
| Support | Continue to treat support for B504 & B505 and CEN/TC 164 & CEN/TC 165 as priorities | Board | March 2024 |

4. Outcomes and Further Action

To be completed as the above actions are completed.