Feedback from multiple sources have identified numerous gaps, anomalies & additional requirements that need to be incorporated into the Asset Data Standard, for capture into the next version release at v3.6. The key identified areas are summarised as follows:

* Now that Councils across New Zealand are mapping their asset data, numerous gaps have been identified based on standard equipment requirements & regional variations, to enable them to map their assets accurately & representatively.
* UAT Testing against the current Asset Data Standard version (v3.5) has identified numerous items that require remediation, to enable correct functioning, assignment & alignment with the SoR (IPS) & EAM.
* Duplication of an asset type code in 2 asset classes, preventing the correct attribution from being displayed in EAM.
* Numerous attributes (including the financial attributes) don’t have agreed or populated dropdown values, which prevents Councils from mapping associated data in the Data Migration Portal.
* To allow the Utility Network to be able to correctly consume & utilise data, enabling the full functioning & capability of the Geospatial platform (GIS and Utility Network).

An overview of the proposed changes & impacts/justifications to update the Asset Data Standard to the next version (v3.6) have been summarised as follows:

Requested Infor Changes

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| --- | --- | --- | --- |
| Change Reason | No. | Impacts (of not changing) | Items |
| New Unit Types | 6 | Minor addition to existing asset classes & unit types.  Councils unable to map their asset data against representative unit types, creating frustration & leading to disengagement & poor migrated data quality.  Required for asset valuation/renewals. | 1. Flow Indicator – Rotameter.  2. Analyser Indicating Transmitter – pH.  3. Structure – Dissipator.  4. Event/Data Recorder – GPS.  5. Ultraviolet (UV) – Rack.  6. Conveyor – Screw. |
| New Dropdown Values (for existing Attributes) | 32 | Minor addition.  Councils unable to map their asset data against representative attribution (to incorporate NZ wide differences/variations), creating frustration & leading to disengagement & poor migrated data quality. | 1. Material – 4 values.  2. Make – 2 values.  3. Bedding Type – 10 values.  4. Blank – 3 values.  5. Asset Contains – 1 value.  6. Functional Output Pipes and Conduits – 12 values. |
| New Attribute – ‘Functional Output Pipes and Conduits’ | 1 | To allow the Utility Network to be able to correctly consume & utilise data, thus eliminating the risk of not being able to utilise the full functionality & capability of the Geospatial platform (GIS and Utility Network). | 1. Attribute 'Functional Output Pipes and Conduits' in asset class 'Pipes and Conduits'. |

Asset Data Standard Document Bug Fixes

Required for systems alignment to resolve bug fixes identified through UAT testing.

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| --- | --- | --- | --- |
| Change Reason | No. | Impacts (of not changing) | Items |
| New Attribute – ‘Expire Date’ | 1 | ‘Expire Date’ is already a standard attribute available in IPS. If Councils don’t map their asset data ‘Expire Date’ (for expired assets), this will impact their ability to have detailed historical asset life data; creating frustration & leading to no asset life historical data & subsequent poor decision making. | 1. Attribute 'Expire Date' in Common and Financial attributes. |
| System Fields Character Length Limits (exceeds permissible number of characters) | 4 | Selection of values with exceeded permissible field character lengths, leading to systems errors. | 1. 'ROLLER-ELEC' (>10).  2. ‘CIALLOYWHITE’ (>10).  3. ‘HILDELELIE’ (>10).  4. ‘Instruments and Monitoring Equipment’ (>30). |
| Duplicate Asset Type Code in 2 Asset Classes | 1 | Asset type code 'BASIN' appears in 2 different asset classes. In EAM asset class specific attribution is linked to the asset type code, & therefore having 2 asset types with the same code creates limitations (we need a unique asset type code to display the correct attribution). | 1. Asset Type Code 'BASIN' changed to 'BAS' in Treatment Devices asset class. |
| Asset Data Standard Alignment Changes | 5 | Selection of incorrect assigned values, leading to non-valid values. | 1. Unit Type ‘TUR-GAST' to 'TUR-GAS’.  2. Change attribute name of 'Functional Output' to 'Functional Output Valves' to align.  3. Change attribute dropdown name of ‘FOValve’ to ‘FOValves’ to align.  4. Change attribute name of ‘FireFighting’ to ‘Firefighting’ to align.  5. Change attribute dropdown name of ‘FOFireFighting’ to ‘Firefighting’ to align. |
| Superfluous Requirements – remove from ADS | 4 | To eliminate the risk of a superfluous unit type, asset type or attribute dropdown value being selected & assigned by Councils, leading to poor data quality. | 1. Asset Type ‘INSW’.  2. Material ‘UNDEF’.  3. Material ‘GRIMP’.  4. Unit Type ‘LTG-UVMOD’. |
| Duplicate Values – remove 1 from ADS | 1 | To eliminate the risk of a duplicate attribute dropdown value being selected & assigned by Councils. | 1. Make ‘HILDELELIE (Hillen De Lelie) & HDL (HILLEN DE LELIE)’. |
| Attribute ‘Timeline for Go Live Date’ Corrections | 2 | To provide clarity & transparency to all Councils & stakeholders relating to the ‘Timeline for Go Live Date’ for all Asset Data Standard attributes. | Various. |
| Grammar / Spelling Corrections | 13 | To correct grammar/spelling & ensure standardisation of all values in Systems (i.e., IPS & EAM). | Various. |
| Clarify Council Non-Mapping requirements in the ADS & for DM Portal purposes | 8 | To provide clarity & transparency to all Councils relating to asset data values that don’t need mapping in the Data Migration Portal. This change will eliminate potential frustration & create efficiencies, by clarifying what isn’t required to be mapped. | 1. Financial attributes – automatically derived & populated for Data Migration.  2. ‘From’ & ‘To’ Asset Type Description’ attribute. |