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| Technology Domain | Data Management and Reporting Services |
| Sub-Domain | **Master Data Management (MDM)** |
| Approved Product | **Reltio MDM** |
| Description | Reltio MDM is a cloud native Master data management SaaS platform that supports multi-domain integrated master data support. The following are few benefits of Reltio MDM:  • Ability to store, master, relate and analyze all types of data – Asset, Location, B2B Customer, B2C Customer, Workforce, Product, Supplier, and Reference  • Support for D&B, Mulesoft, Salesforce, Snowflake connectors  • Unchallenged enterprise class multi-domain master data management capability  • The single source of Truth (Gold copy record) for master data  • Robust consumer grade User Interface to support governance and business user applications  • Better insights into many to many data relationships through dynamic source associations  • Big Data scalability and performance to support your needs short and long term  • Lower TCO support and zero infrastructure or upgrade costs associated with a cloud SaaS subscription model  • Rapid deployment time and faster time to value  • Centralized Data Governance de-risking noncompliance to local and international regulations  • Global capabilities and footprint  Reltio MDM and Informatica MDM were 2 finalists.  Please review [this excel document](https://teams.microsoft.com/l/file/00343F69-BC6C-4442-9FAB-5FCC04DEAD25?tenantId=f98a6a53-25f3-4212-901c-c7787fcd3495&fileType=xlsx&objectUrl=https%3A%2F%2Fnationalgridplc.sharepoint.com%2Fsites%2FGRP-INT-Architecture%2FShared%20Documents%2FData%20and%20Information%20Architecture%2FMaster%20Data%20Management%2FMDM%20top%202%20Tools%20Comparision%20v3.0.xlsx&baseUrl=https%3A%2F%2Fnationalgridplc.sharepoint.com%2Fsites%2FGRP-INT-Architecture&serviceName=teams&threadId=19:0208706c699049ac805a806775adce1f@thread.skype&groupId=6e41877a-9b63-4354-b522-463045e111f7) for features/capabilities comparison. |
| Deployment Intent | The Enterprise Standard covers:   * UK, US and NGV   Business Domains:   * Global IT |
| Scope | National Grid will utilize Reltio MDM as its enterprise master data management (MDM) tool as mentioned below with capabilities:   * Multi-domain cloud native Master Data Management solution * Multi-domain integrated master data repository |
| Product Disposition | **Approved Enterprise Standard** |
| Architecture Direction | Use Reltio MDM for any Master Data Management data capability. |

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| Business Drivers & Trends | * Centralized integrated multi domains master data repository * An enterprise unique persistent identifier for each master data entity * Remove and merge master data duplicate records * Increase master data accuracy * Improve master data quality * Improve master data consistency and data standardization * Provide better data compliance * Enable data governance and data stewardship * Offer better secure data access * Provide an API service for consumers of this curated data |

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| Principles |
| **BMS Data Management Core Principles**   1. **Data is an Asset**  * Data (i.e. the representation of facts as text, numbers, graphics, images or sound or video) has a purpose, cost, value and lifecycle – it is an asset.  1. **Data is Managed and Secure**  * All data is subject to ownership, governance and protection from unauthorised access throughout its full lifecycle (from planning, collection through to retention and disposal)  1. **Data is Fit for Purpose**  * Data should be of the quality required for its intended uses.  1. **Data is Standardised**  * Data should be standardised in terms of its definition, format, content and categorisation providing the ability to link differing forms of related data together.  1. **Data has a Single Authoritative Source**  * For all data there shall be a single and identified authoritative (master) source.  1. **Data is Accessible**  * We should all have the appropriate access to the data we need to carry out our roles.  1. **Data is Published**  * Any data we publish should be defined, appropriate, quality assured and verifiable.   **EA Principles**   * End user experience will be at the forefront of IT designs * Leverage Out of Box over Proprietary Solutions * Be conscious of vendor lock-in * Leverage cloud technologies where appropriate * Design for operations keeping security, scalability and disaster recovery at front of mind * Information is an asset which is fundamental to the efficient and effective delivery of IT services |
| Policies of Usage |
| * Compliance with Business Management Standards and Policies * Compliance with Data Management Policies |
| Patterns, Standards & Guidelines |
| **Standards & Guidelines:**   * Reltio MDM will be only Enterprise Master Data Management (MDM) tool for National Grid moving forward.   **Patters:** |
| Roadmap Highlights |
| |  |  |  | | --- | --- | --- | | Current State | Future State | Timeframe | | * UK Finance - SAP Master Data Governance (Phasing Out) * Other homegrown MDM solution (Phasing Out) | * Reltio MDM for the Enterprise | FY 2022 Q2/Q3 | |
| Commercial Considerations |
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| Contained Technologies |
| * UK Finance is using very limited functionality of SAP Master Data Governance which will be deprecated through introduction of this new standard of Reltio MDM. |
| Additional Research Areas |
| * None |
| Gaps or Limitations |
| * None |

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| EA Lead: | Nishit Ajwaliya, Bryan Connolly | |
| Approval: | Keith Vargas Head of Enterprise Architecture | |
| Date of Approval: | ITGC approved on April 30, 2021 | |
| Duration of Standard or Review Date: | Enduring until new standard defined | |