Bloomberg Schema Update and Suffix Handling Procedures

Category: Procedures | **Model:** BDWP-001

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1. Introduction

This procedural document delineates the standardized steps for identifying, validating, and implementing vendor schema updates received from Bloomberg, centering on the schema refresh released on August 19, 2025. The update introduced new suffix patterns in instrument identifiers, notably `.LN`, `.GR`, and `.HK`. Proper handling of these suffixes is critical to maintaining data integrity, ensuring accurate identifier alignment across internal systems and downstream applications.

These procedures support compliance with data quality standards, facilitate smooth transition during schema changes, and enhance the robustness of vendor data integration within our Master Data Management (MDM)

ecosystem.

2. Scope

This document applies to all teams involved in vendor data ingestion, validation, and integration processes, particularly those managing:

- Bloomberg vendor data feeds pertaining to security identifiers and related instrument metadata
- Internal matching rules for securities, ETFs, ADRs, and other financial instruments
- Identifier reconciliation modules, including CUSIP, ISIN, and SEDOL mapping
- Lineage validation processes and steward override procedures

It also provides guidance on troubleshooting errors associated with schema updates and suffix mismatches during daily operations and system upgrades.

3. Background and Context

Recent vendor schema updates from Bloomberg are essential for accurate classification and identification of securities. The update introduced a set of new suffix conventions to differentiate instruments by geographic region, market segment, or issuance class.

Concurrently, other data providers such as Moody's and FactSet have issued related taxonomy updates, affecting sector classification codes and security mappings. Furthermore, steward override procedures and lineage documentation are critical for maintaining data sovereignty and compliance.

Understanding these contextual elements ensures our systems accurately interpret and process incoming data streams without disruptions.

4. Bloomberg Schema Update (2025-08-19)

4.1 Overview of the Update

Bloomberg's schema refresh on August 19, 2025, resulted in significant

modifications to instrument identifier formats, notably:

- Introduction of new suffix patterns: `.LN` for London listings, `.GR` for Greek securities, and `.HK` for Hong Kong-listed entities.
- Enhancements in metadata attributes to support geographic and segment differentiation.

4.2 Impact on Data Processing

These changes impact:

- Matching algorithms that rely on identifier suffixes
- Validation rules for security code integrity
- Sector and regional classifications within internal systems

Failure to adapt to these changes risks identifier mismatch, data inconsistencies, and operational errors.

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5. Suffix Patterns and Examples

5.1 List of New Suffix Patterns

Suffix	Description	Examples
.LN	London-listed securities, predominantly equities and ETFs	VOD.LN, HSBA.LN
.GR	Greek government securities and regional bonds	ATH.GH, OTE.GH
.HK	Hong Kong-listed securities, including stocks and derivatives	HSI.HK, AAPL.HK

5.2 Additional Suffix Patterns

While the focus is on the above, other patterns such as `.SG` (Singapore), `.AU` (Australia), may be encountered due to further schema adaptations in the future. Continuous monitoring of vendor data feeds is recommended.

5.3 Practical Examples

Suppose the original Bloomberg identifier for a London stock is `VOD`. After the update, the identifier becomes `VOD.LN`. Similarly, a Greek bond now appears

as `OTE.GH`, indicating its regional segmentation.

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6. Validation and Detection Procedures

6.1 Validation Checklist for Suffix Mismatches

Use this checklist to determine if an identifier correctly aligns with its expected suffix pattern:

Step	Procedure	Expected Result / Notes
1	Identify the security type (equity, bond, ETF, etc.)	Based on security metadata
2	Determine the geographic and segment classification	Check against internal classification rules
3	Verify the identifier suffix matches the classification	- If equity from London market: suffix should be `.LN` - If Greek bond: suffix should be `.GH` - If Hong Kong stock: suffix should be `.HK`
4	Compare actual identifier suffix with expected pattern	Mismatch indicates potential data issue
5	Flag mismatched identifiers for manual review or rule correction	Proceed to internal match rules update

6.2 Automated Detection Rules

Implement automated scripts to flag identifiers where suffixes do not align with known classification parameters:

```
# Example pseudo-code for suffix validation
for security in incoming_data:
```

```
    identifier = security['identifier']
    classification = security['region']
    suffix = identifier.split('.')[-1] if '.' in identifier else ''
    expected_suffix = get_expected_suffix(classification)
    if suffix != expected_suffix:
        flag_for_review(security)
```

Where *get_expected_suffix()* maps classifications to suffix patterns based on the latest schema rules.

7. Internal Match Rules and Update Guidelines

7.1 Updating Match Rules for Suffix Patterns

Internal match rules must be reviewed and modified as follows:

1. Identify all rules that depend on identifier suffixes
2. Add new suffix patterns (.LN, .GR, .HK) with corresponding classification logic
3. Test rules against historical data to confirm correct matching
4. Document rule changes in lineage templates and version control

7.2 Sample Rule Configuration

```
# Example pseudo-configuration
match_rule = {
    "equity_LN": {"suffix": ".LN", "region": "London"},
    "bond_GH": {"suffix": ".GH", "region": "Greece"},
    "stock_HK": {"suffix": ".HK", "region": "Hong Kong"}
}
```

7.3 Maintenance and Review

Perform periodic reviews of match rules to incorporate any future schema updates. Notify stakeholders of rule modifications through approved change management processes.

8. Impact Testing and Verification

8.1 Pre-Implementation Testing

Prior to deploying updates system-wide, conduct comprehensive testing including:

- Unit tests on individual validation scripts
- System integration testing with live or simulated vendor data feeds
- Regression testing to ensure no existing functionality is broken

8.2 Post-Implementation Validation

Verify that:

- Identifiers with new suffixes are correctly recognized and matched
- No false positives or negatives in validation flags
- Data lineage and audit trails are updated accordingly

8.3 Impact on Downstream Systems

Coordinate with downstream modules such as ETF reconciliation, ADR mapping, and security master updates to confirm smooth operational flow following schema adjustments.

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9. Error Codes and Troubleshooting

9.1 Common Error Codes

Error Code	Description	Symptom	Root Cause	Resolution
MDM-ID-3102	Identifier conflict between existing and incoming data	Duplicate security IDs during ingestion	Mismatch in suffix treatments or outdated identifiers	Perform identifier reconciliation, validate suffix consistency, update rules
MDM-LIN-2207	Lineage gap detected for security record	Missing parent or child lineage links	Schema change not propagated to lineage templates	Update lineage documentation, reclassify affected records

MDM-COM-1905	Commentary required for security update	Missing or outdated comments in security records	Inadequate steward review or missed override documentation	Review steward override procedures, update comment fields accordingly

9.2 Troubleshooting Workflow

1. Identify the encountered error code
2. Consult error code documentation for symptom and root cause
3. Access affected identifiers or modules
4. Apply recommended resolution steps
5. Re-validate data after fixing issues
6. Log all actions for audit purpose

9.3 Preventive Tips

- Implement automated validation scripts for suffix consistency
- Regularly review classification and suffix mappings
- Maintain version-controlled lineage templates
- Coordinate schema updates with data stewardship teams

10. Affected Modules and Specific Considerations

10.1 ADR Mapping Module

The ADR (American Depositary Receipt) mapping module depends heavily on accurate suffix recognition. Updates should include validation of suffix patterns against issuer country and listing type.

10.2 ETF Constituent Reconciliation

ETF identifiers with regional suffixes impact the constituent reconciliation process. Ensure that matching rules incorporate the new suffix conventions and that historical data is retroactively validated.

10.3 Security Lineage and Stewardship

Lineage documentation templates require updates to reflect the new schema structures. Steward override procedures may require additional approval steps for identifiers with suffix changes.

10.4 Impacted Modules Summary Table

Module	Impact	Action Required
ADR Mapping	Suffix recognition and country mapping adjustments	Review and update validation rules
ETF Reconciliation	Matching logic for regional identifiers	Implement new suffix handling logic
Lineage Documentation	Schema and lineage templates updates	Revise lineage templates and instructions

11. Appendices and Additional Resources

11.1 Glossary

- **Suffix Pattern:** The character sequence appended to security identifiers indicating geographic or segment classification.
- **Lineage Documentation:** Records tracking the origin, transformation, and flow of data within the system.
- **Steward Override:** Manual intervention approved by data stewards to rectify or clarify data issues.

11.2 Related Vendor and System Documentation

- [Vendor Data Feed Specifications — Bloomberg 2025-08-19 schema](#)
- [MDM Data Governance Policy](#)
- [Lineage Documentation Templates](#)
- [Steward Override Approval Matrix](#)

11.3 Contact Information

For further assistance or to report schema update issues, contact the Data

Governance Team at datagov@company.com.