DRR Output Formats

Supported Regulations and Output Formats

1. CFTC (Commodity Futures Trading Commission) - United States

- **CFTC Part 45** (Transaction Reporting)
  - **Output Format**: JSON only
  - **Pipeline**: `pipeline-report-cftc-part45`
- **CFTC Part 43** (Public Dissemination)
  - **Output Format**: JSON only
  - **Pipeline**: `pipeline-report-cftc-part43`

2. ESMA EMIR (European Securities and Markets Authority)

- **ESMA EMIR Trade Reporting**
  - **Output Formats**:
    - JSON (primary)
    - ISO 20022 XML (via projection)
  - **Pipelines**:
    - `pipeline-report-esma-emir-trade`
    - `pipeline-projection-esma-emir-trade-report-to-iso20022`
- **ESMA EMIR Margin Reporting**
  - **Output Formats**:
    - JSON (primary)
    - ISO 20022 XML (via projection)

- **Pipelines:**

  - `pipeline-report-esma-emir-margin`

  - `pipeline-projection-esma-emir-margin-report-to-iso20022`

3. FCA UK EMIR (Financial Conduct Authority - United Kingdom)

- **FCA UK EMIR Trade Reporting**

  - **Output Formats:**

    - JSON (primary)

    - ISO 20022 XML (via projection)

  - **Pipelines:**

    - `pipeline-report-fca-ukemir-trade`

    - `pipeline-projection-fca-uk-emir-trade-report-to-iso20022`

- **FCA UK EMIR Margin Reporting**

  - **Output Formats:**

    - JSON (primary)

    - ISO 20022 XML (via projection)

  - **Pipelines:**

    - `pipeline-report-fca-ukemir-margin`

    - `pipeline-projection-fca-uk-emir-margin-report-to-iso20022`

4. ASIC (Australian Securities and Investments Commission)

- **ASIC Trade Reporting**

  - **Output Formats:**

    - JSON (primary)

    - ISO 20022 XML (via projection)

  - **Pipelines:**

    - `pipeline-report-asic-trade`

- - - `pipeline-projection-asic-trade-report-to-iso20022`
  - **ASIC Margin Reporting**
    - **Output Formats**:
      - JSON (primary)
      - ISO 20022 XML (via projection)
    - **Pipelines**:
      - `pipeline-report-asic-margin`
      - `pipeline-projection-asic-margin-report-to-iso20022`
  - **ASIC Valuation Reporting**
    - **Output Formats**:
      - JSON (primary)
      - ISO 20022 XML (via projection)
    - **Pipelines**:
      - `pipeline-report-asic-valuation`
      - `pipeline-projection-asic-valuation-report-to-iso20022`

5. MAS (Monetary Authority of Singapore)

- **MAS Trade Reporting**
  - **Output Formats**:
    - JSON (primary)
    - ISO 20022 XML (via projection)
  - **Pipelines**:
    - `pipeline-report-mas-trade`
    - `pipeline-projection-mas-trade-report-to-iso20022`
- **MAS Margin Reporting**
  - **Output Formats**:

- JSON (primary)
- ISO 20022 XML (via projection)
  - **Pipelines**:
    - `pipeline-report-mas-margin`
    - `pipeline-projection-mas-margin-report-to-iso20022`
- **MAS Valuation Reporting**
  - **Output Formats**:
    - JSON (primary)
    - ISO 20022 XML (via projection)
  - **Pipelines**:
    - `pipeline-report-mas-valuation`
    - `pipeline-projection-mas-valuation-report-to-iso20022`

6. JFSA (Japan Financial Services Agency)

- **JFSA Trade Reporting**
  - **Output Formats**:
    - JSON (primary)
    - ISO 20022 XML (via projection)
  - **Pipelines**:
    - `pipeline-report-jfsa-trade`
    - `pipeline-projection-jfsa-rewrite-trade-report-to-iso20022`
- **JFSA Margin Reporting**
  - **Output Formats**:
    - JSON (primary)
    - ISO 20022 XML (via projection)
  - **Pipelines**:

- - - `pipeline-report-jfsa-margin`

  - - `pipeline-projection-jfsa-rewrite-margin-report-to-iso20022`

7. HKMA (Hong Kong Monetary Authority)

- **HKMA Trade Reporting** (Multiple TRs)

  - **HKMA-DTCC:**

    - JSON (primary) + ISO 20022 XML (projection)

    - `pipeline-projection-hkma-dtcc-trade-report-to-iso20022`

  - **HKMA-TR:**

    - JSON (primary) + ISO 20022 XML (projection)

    - `pipeline-projection-hkma-tr-trade-report-to-iso20022`

- **HKMA Margin Reporting**

  - **HKMA-DTCC:**

    - JSON (primary) + ISO 20022 XML (projection)

    - `pipeline-projection-hkma-dtcc-margin-report-to-iso20022`

  - **HKMA-TR:**

    - JSON (primary) + ISO 20022 XML (projection)

    - `pipeline-projection-hkma-tr-margin-report-to-iso20022`

- **HKMA Valuation Reporting**

  - **HKMA-DTCC:**

    - JSON (primary) + ISO 20022 XML (projection)

    - `pipeline-projection-hkma-dtcc-valuation-report-to-iso20022`

  - **HKMA-TR:**

    - JSON (primary) + ISO 20022 XML (projection)

    - `pipeline-projection-hkma-tr-valuation-report-to-iso20022`

8. CSA (Canadian Securities Administrators)

- **CSA Trade Reporting**
  - **Output Formats**:
    - JSON (primary)
    - DTCC RDS Harmonized XML (via projection)
  - **Pipelines**:
    - `pipeline-report-csa-trade`
    - `pipeline-projection-csa-trade-report-to-dtcc-rds-harmonized`
- **CSA PPD (Public Dissemination)**
  - **Output Formats**:
    - JSON (primary)
    - DTCC RDS Harmonized XML (via projection)
  - **Pipelines**:
    - `pipeline-report-csa-ppd`
    - `pipeline-projection-csa-ppd-report-to-dtcc-rds-harmonized`
- **CSA Valuation Reporting**
  - **Output Formats**:
    - JSON (primary)
    - DTCC RDS Harmonized XML (via projection)
  - **Pipelines**:
    - `pipeline-report-csa-valuation`
    - `pipeline-projection-csa-valuation-report-to-dtcc-rds-harmonized`

Summary of Output Formats:

1. **JSON:** All regulations support JSON as primary format
2. **ISO 20022 XML:** ESMA, FCA, ASIC, MAS, JFSA, HKMA
3. **DTCC RDS Harmonized XML:** CSA

4. **FpML**: ❌ Not supported for any regulation output (only for input ingestion)