The DPM 2.0 on insurance and pension funds sectors

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EIOPA Evolution of regulatory reporting with the current Data Point Model

- Solvency II reporting
- Impact on regulation development
- Tool for Undertakings (T4U) developed by EIOPA was used by financial institutions to create Solvency II reports
- Pilar III public disclosure templates
- IORP reporting since 2019
- PEPP reporting since 2022
- Future: Financial Conglomerates and Digital Operational Resilience Act

DPM as core process ...for the regulatory reporting chain
Commonalities between banking, insurance and pension funds sector are desirable:

- Common dimensions
- Data Point Modelling
- Common data types
- Taxonomy architecture
- Base primary items
- Label constructions
- Tools
- etc.
The EIOPA architecture outline on DPM

- The DPM implements the uniform and consistent definitions included in the implementing technical standards (ITS), guidelines and Board of Supervisors decisions on reporting and disclosure.

- Provides a structured representation of the information, identifying all the business concepts and their relations, as well as validation rules.

- It is composed of the annotated templates for the Solvency II, pension funds and pan-European pension products with a common DPM dictionary.

- One model for all data reporting requirements under EIOPA remit (insurance, pensions, PEPP providers, public disclosure) and for the ECB reporting extensions.

- The model facilitates the appliance of waivers and completeness information reporting via the basic information – Master data.

DPM as core process ...for the regulatory reporting chain.
The eiopa DPM on regulatory requirements process

- BoS decision in 2016 for a fixed and predictable regulatory & taxonomy update processes
- All EIOPA reporting frameworks updates (and ECB add-ons) have to be published in the same date every year (15 July) and are always applied for the 31-Dec reporting reference date
- Only on the very first releases of a new framework, it may have different publication/starting dates
- Business experts have to prepare at the same time the templates and its DPM modeling changes
- ITS and DPM-Taxonomy tables are part of regulation development, since the issues faced on the splitting of the detailed list of assets for the 2015 preparatory phase
- Business cell-codes are always linked to their DPM dimensional characteristic, so the cell-codes change (only/always) when its DPM concept change

DPM as core process ...for the regulatory reporting chain
ORIGINAL MAIN DPM EIOPA SOLVENCY II DPM ARTEFACTS

**Dictionary**
- labels and codes of concepts
- validity/currency period
- relationships (hierarchies)
- mathematical relations
- applicable dimensions and sheets

**Annotated Templates**
- tables’ titles and codification
- organization of tables (RC codes) and their layout
- description of data points (metrics + set of dimension/domain member pairs)
- identification of MD and HD components of each data points

**Validations**
- identification of rules (business and technical)
- referenced templates
- filters
- expressions
- error messages
- list of the identical data points

EBA Regular Use
### Current main DPM EIOPA Solvency II DPM artefacts?

#### Annotated Templates

<table>
<thead>
<tr>
<th>Table Title</th>
<th>Description</th>
<th>Identification of MD and HD components of each data point</th>
<th>Model provided in MD format to align with the rest of deliverables</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Premiums written</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Premiums earned</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Claims incurred</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Expenses incurred</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Net technical expenses/insurance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total insurance/technical expenses</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
What are the main DPM EIOPA Solvency II DPM artefacts?

**Dictionary**

<table>
<thead>
<tr>
<th>Label(s)</th>
<th>Code</th>
<th>Description (en)</th>
<th>Owner</th>
<th>Default</th>
<th>Create date</th>
<th>Valid from</th>
<th>Valid to</th>
<th>Last modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
<td>x0</td>
<td>x0</td>
<td>TRUE</td>
<td>07/07/2014</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amount of floor</td>
<td>x1</td>
<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average</td>
<td>x10</td>
<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Commission</td>
<td>x30</td>
<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<td></td>
<td></td>
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<tr>
<td>Overall Commission (Max)</td>
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<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall Commission (Min)</td>
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<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Overall Commission (Target)</td>
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<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<tr>
<td>Profit Commission</td>
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<tr>
<td>Profit Commission (Max)</td>
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<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<tr>
<td>Profit Commission (Min)</td>
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<td>x0</td>
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<td>07/07/2014</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Profit Commission (Expected)</td>
<td>x37</td>
<td>x0</td>
<td>FALSE</td>
<td>07/07/2014</td>
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<tr>
<td>The undertaking is using IFRS</td>
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<td>FALSE</td>
<td>07/08/2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The undertaking is using local GAAP (other than IFRS)</td>
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<td>x0</td>
<td>FALSE</td>
<td>07/08/2015</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Average (arithmetic)</td>
<td>x41</td>
<td>x0</td>
<td>FALSE</td>
<td>07/11/2014</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The group is using IFRS</td>
<td>x10</td>
<td>x0</td>
<td>FALSE</td>
<td>08/18/2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The group is using local GAAP (other than IFRS)</td>
<td>x11</td>
<td>x0</td>
<td>FALSE</td>
<td>08/18/2015</td>
<td></td>
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<tr>
<td>Collected excess value</td>
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<td>FALSE</td>
<td>08/18/2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Collected net loss value</td>
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<td>x0</td>
<td>FALSE</td>
<td>08/18/2015</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Labels and codes of concepts**
- Designation of concept owner
- Identification of default value
- Validity/currency period
- Additional comment and description if necessary

**Relationships (Hierarchies)**
- Specific label to be assigned within given hierarchy
- Arithmetical relations
- Identification of grouping and usable elements
- Hierarchy validity period
What are the main DPM EIOPA Solvency II DPM artefacts?

## Validations

<table>
<thead>
<tr>
<th>Code</th>
<th>Validations</th>
<th>Description</th>
<th>Rule Severity</th>
<th>Applicable Tables</th>
</tr>
</thead>
<tbody>
<tr>
<td>T015</td>
<td>Validations</td>
<td>Identification of owner and framework</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Other deliverables generated from the platform

**Database**

- provided in SQLite format
- follows the structure of previous MS Access database
- contains SQL representation of validations
- new pattern for data point key
- still contains placeholder tables for data storage
- no MAPPING and CRT tables (EIOPA provided scripts and source code for users to generate on their own, if needed)
- .bak file is now redundant
Other deliverables generated from the platform

Detailed change log

- Change log created automatically from the database
- Divided into sections resembling different parts of the model
- Allows for identification of amended element and nature of change
- Relates to both: dictionary and annotated templates
- Validations changes can be traced from list of validations excel file
Generation of the EIOPA release package

EIOPA aim when changing the generation process of the release package was to:

- Increase the automation level of the process (lower probability of humane errors)
- Establish single point of truth for the model (have all deliverables derived from the single source)
- Provide business experts with more insight into the actual implementation of the validations, so that the list of validations will be self-explanatory
- Being able to create detailed change log for different components of the model

EBA Regular Use

EIOPA TRANSITION FROM TO DPM 2.0 AND CSV-OIM

2025
- Pilot CSV & DPM Refit reporting
- PoC Reporting systems adaptation

2026
- DPM Refit CSV & XML reporting
- EIOPA’s Software change

2027
- DPM Studio
- xBRL-XML phase out

Tentative target timelines

See full timeline in EIOPA DPM and xBRL webpage
THANK YOU