

Integration of MathML in PLCopen XML*

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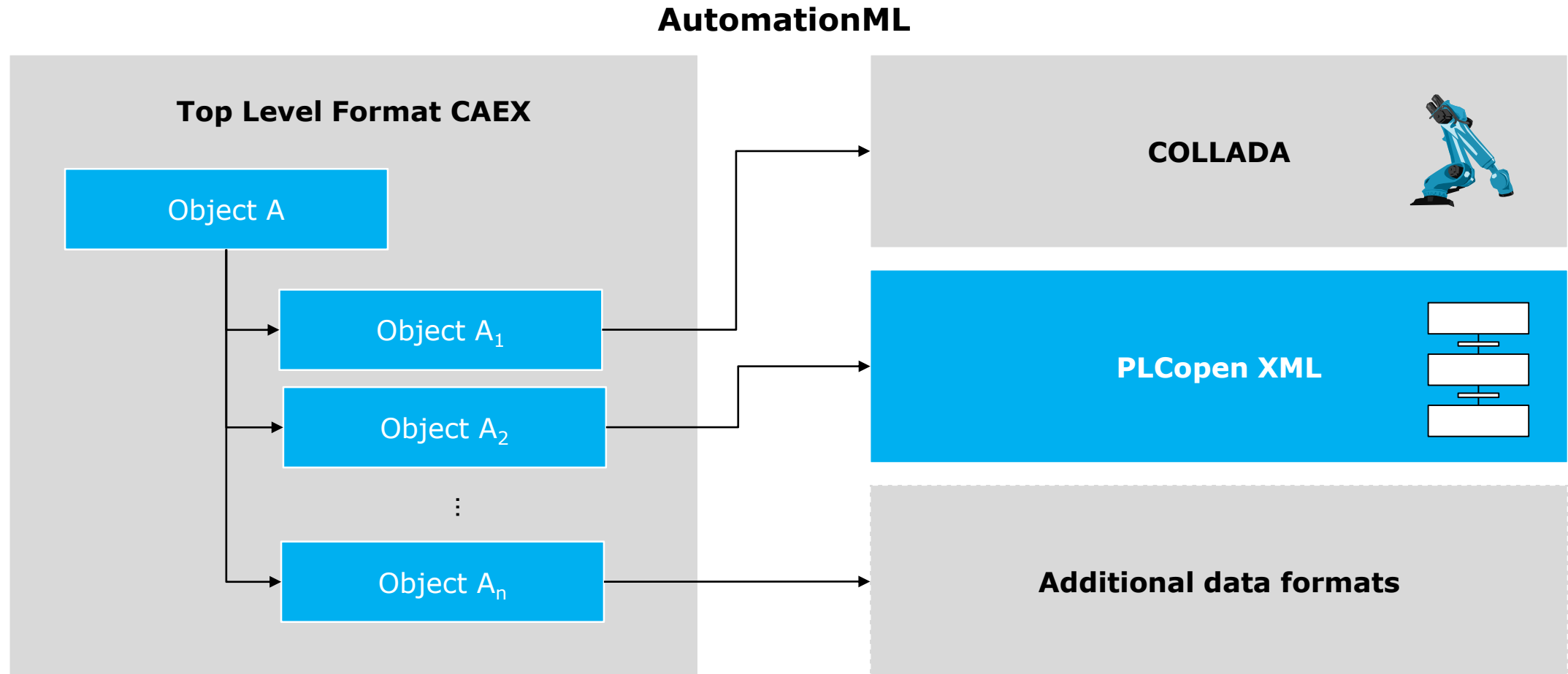
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- 1 **Motivation and Introduction**
- 2 Concept of the Integration of MathML in PLCOpen XML
- 3 Example
- 4 Summary and Outlook

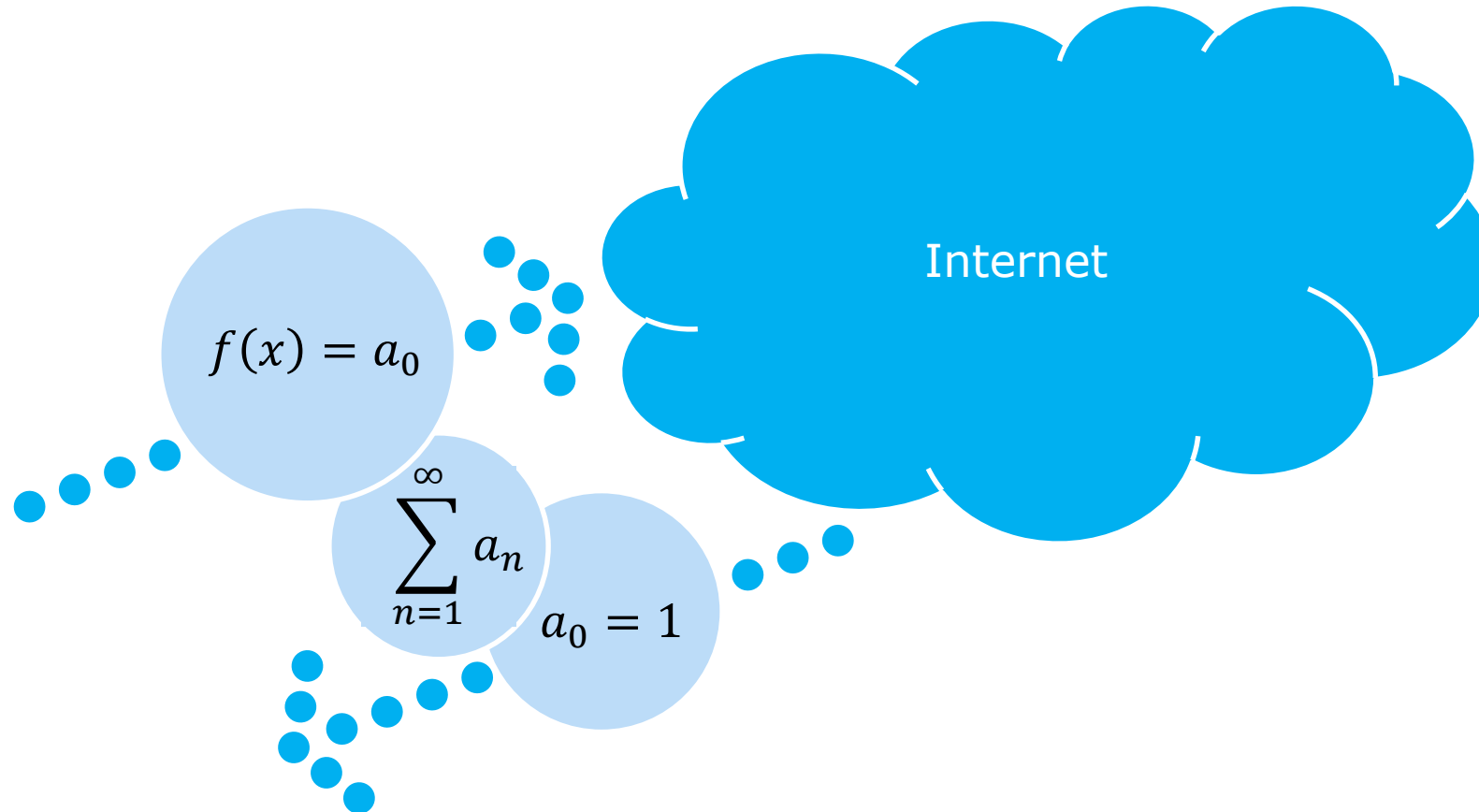
Relevance



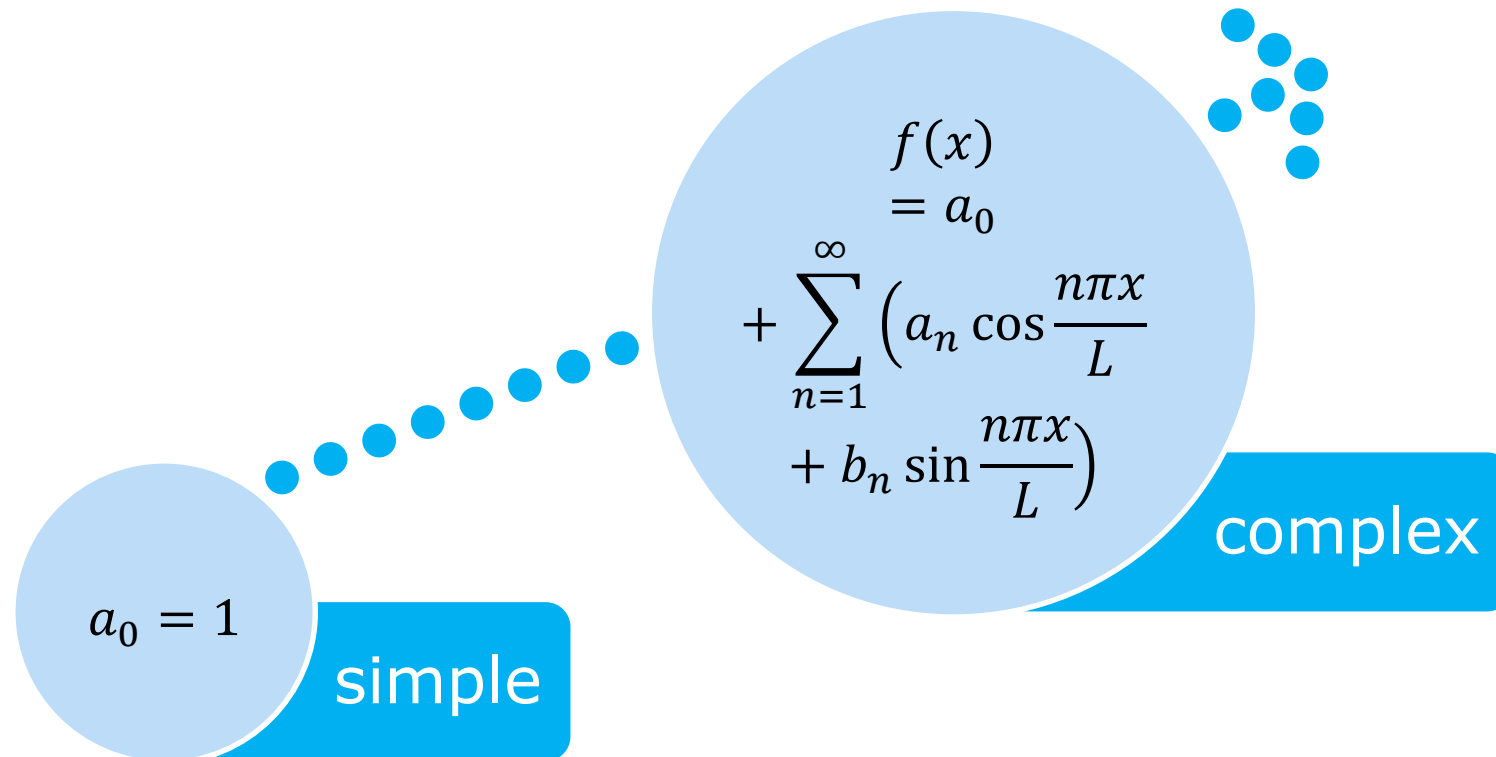
Referencing logic descriptions



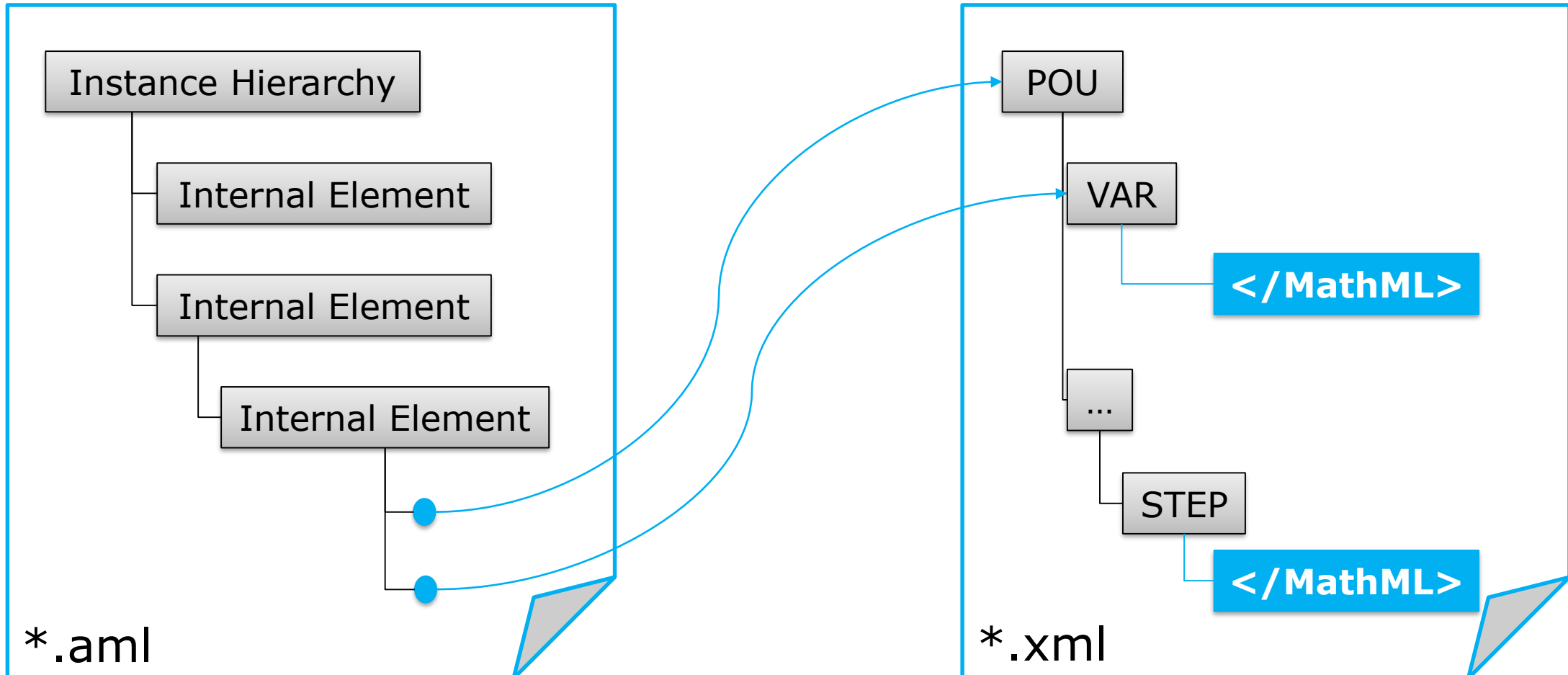
What is the intention of MathML?



What can be expressed with MathML?



How should MathML be integrated?



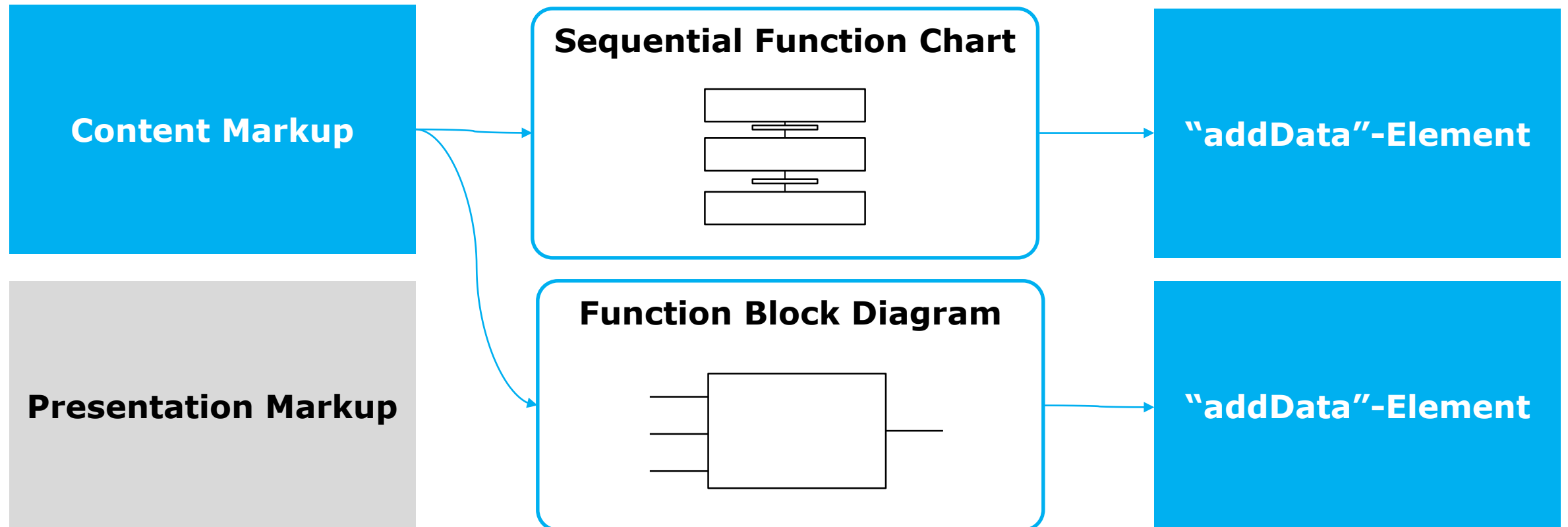
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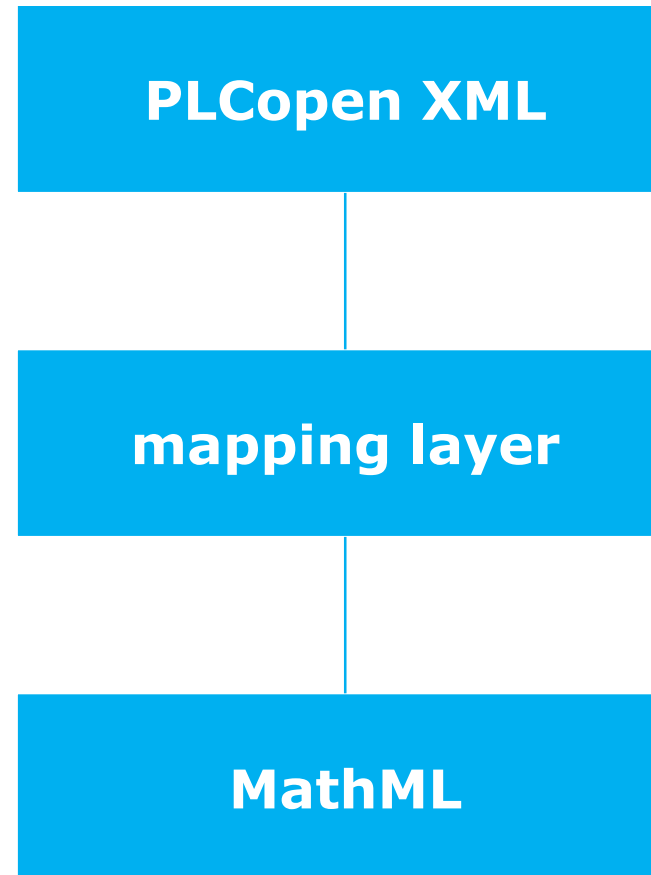
Concept Basics

MathML 2.0

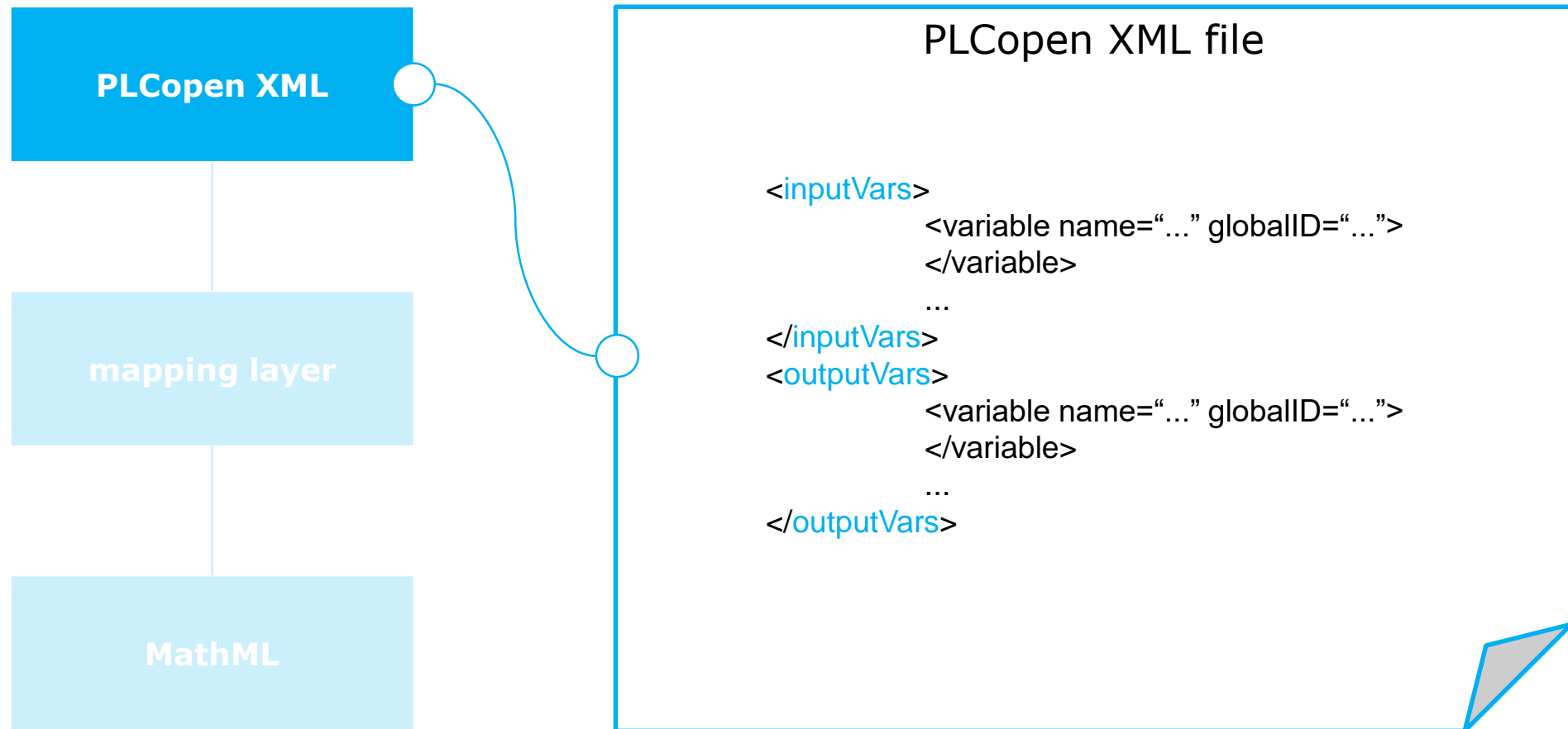
PLCopen XML



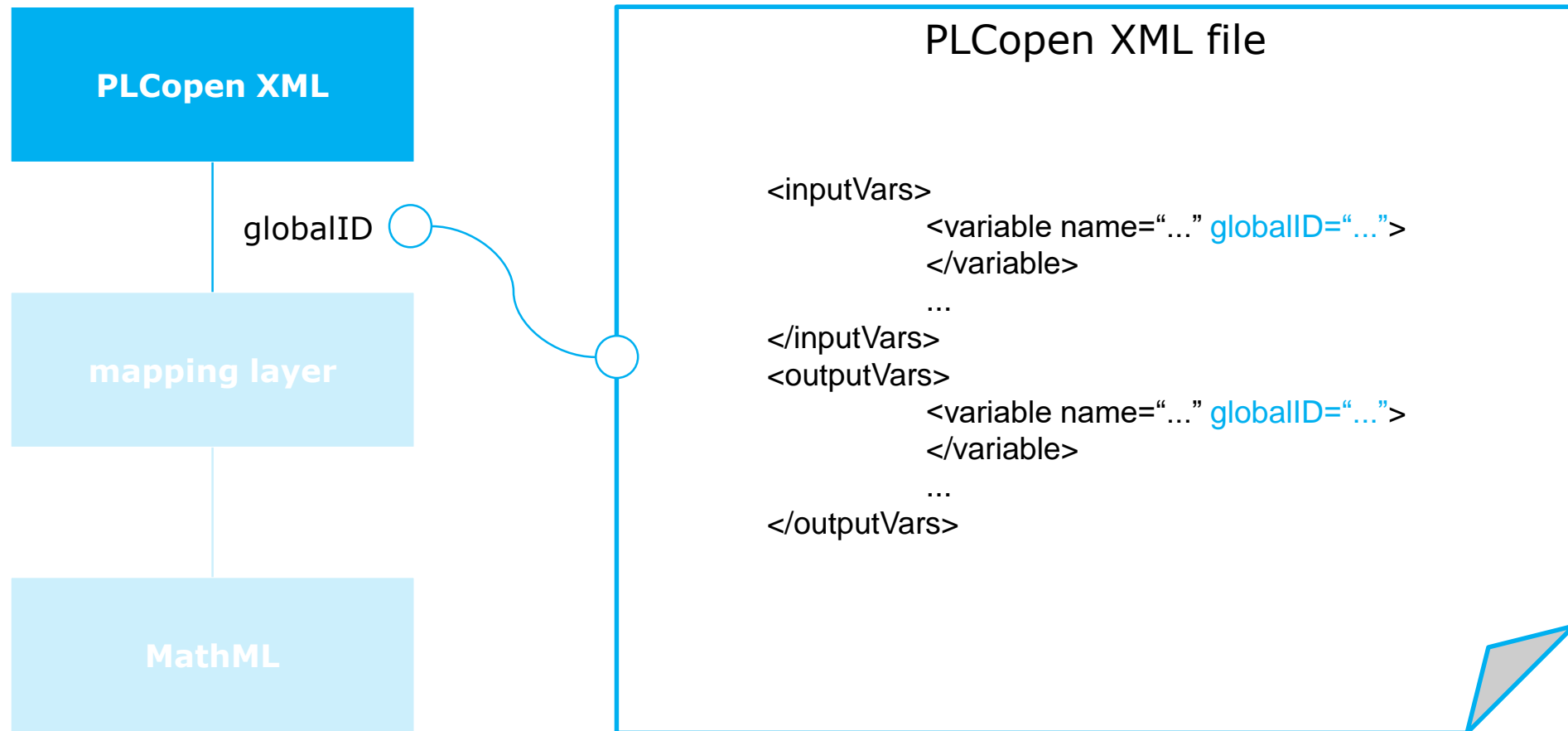
Integration of MathML into the addData element



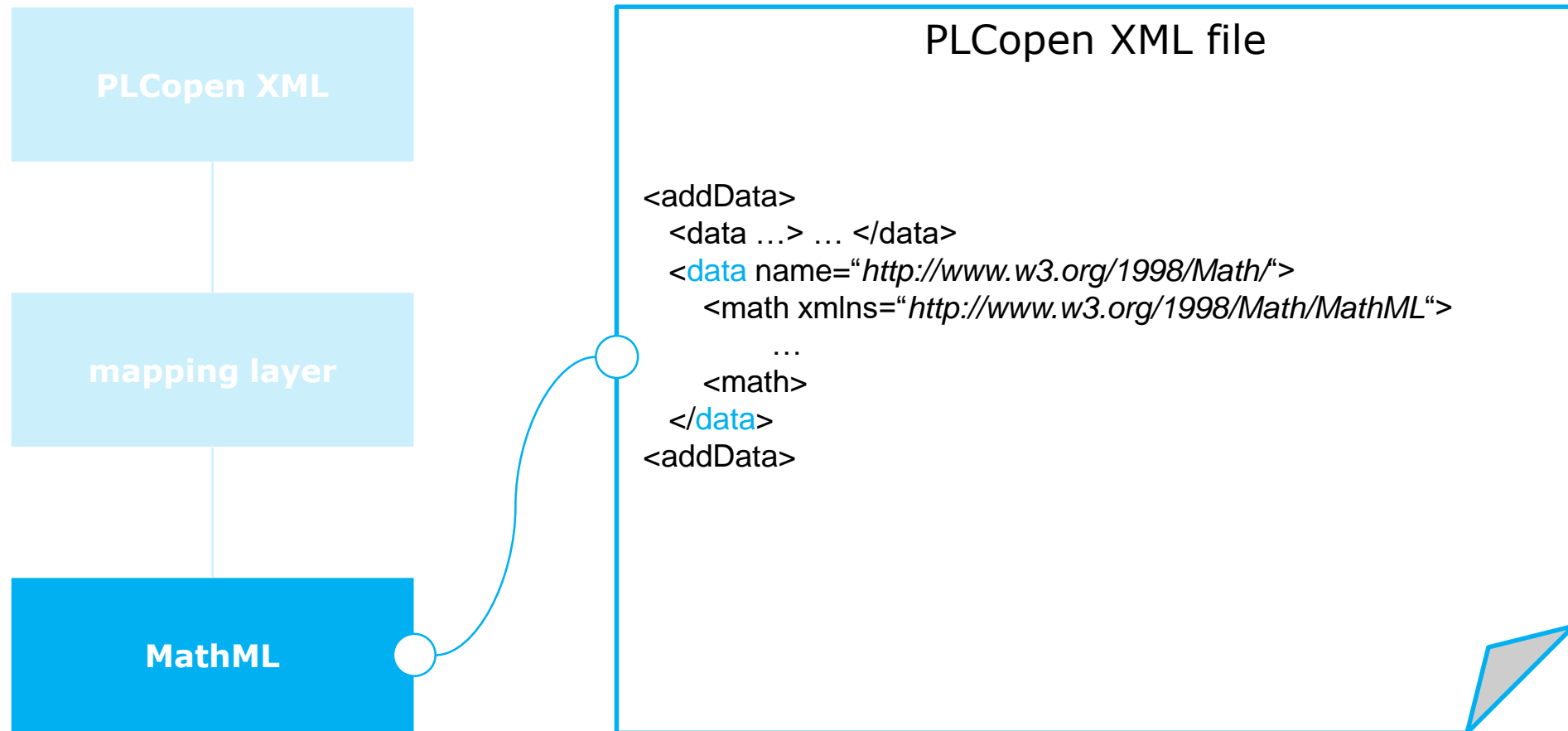
Concept element variable declaration



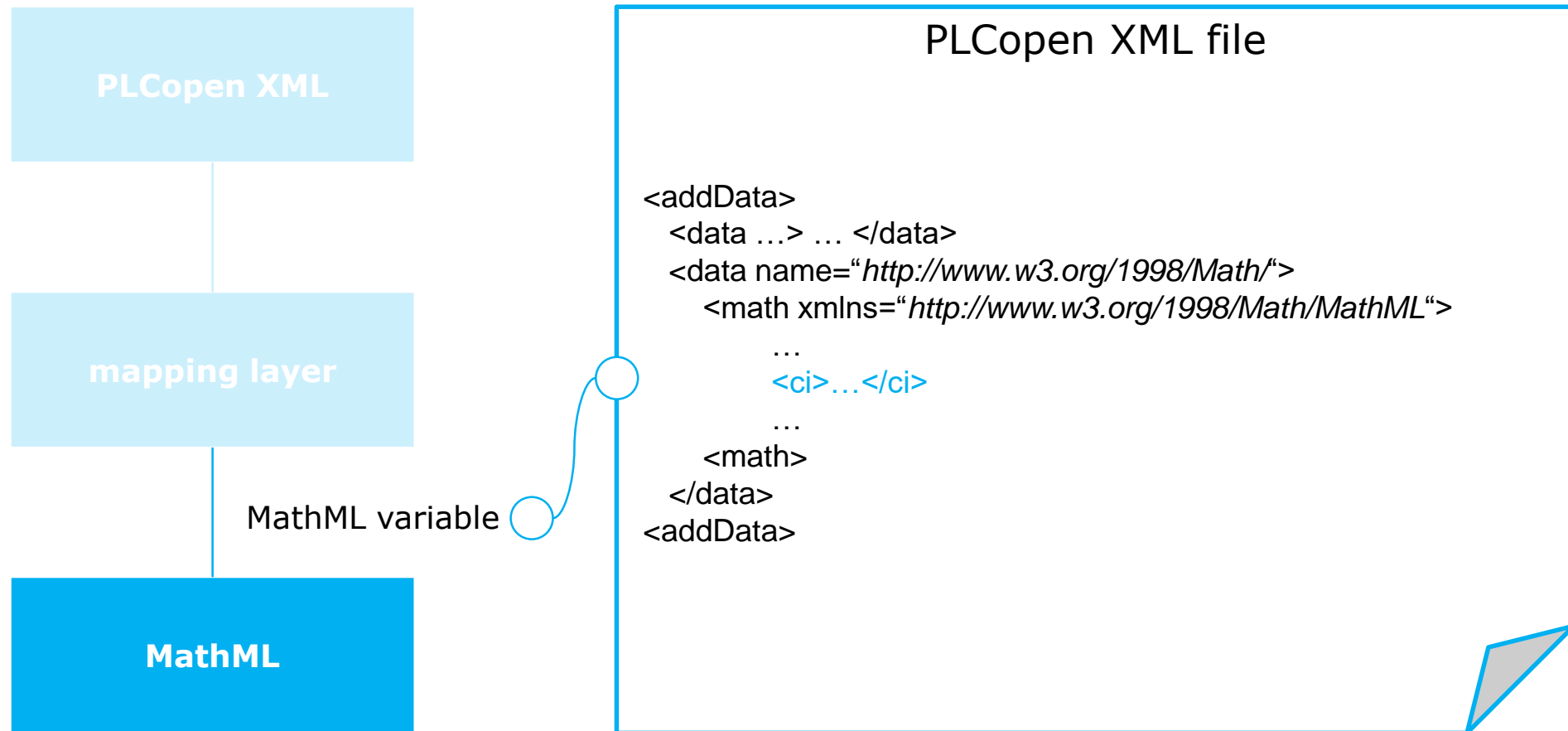
Concept element variable declaration



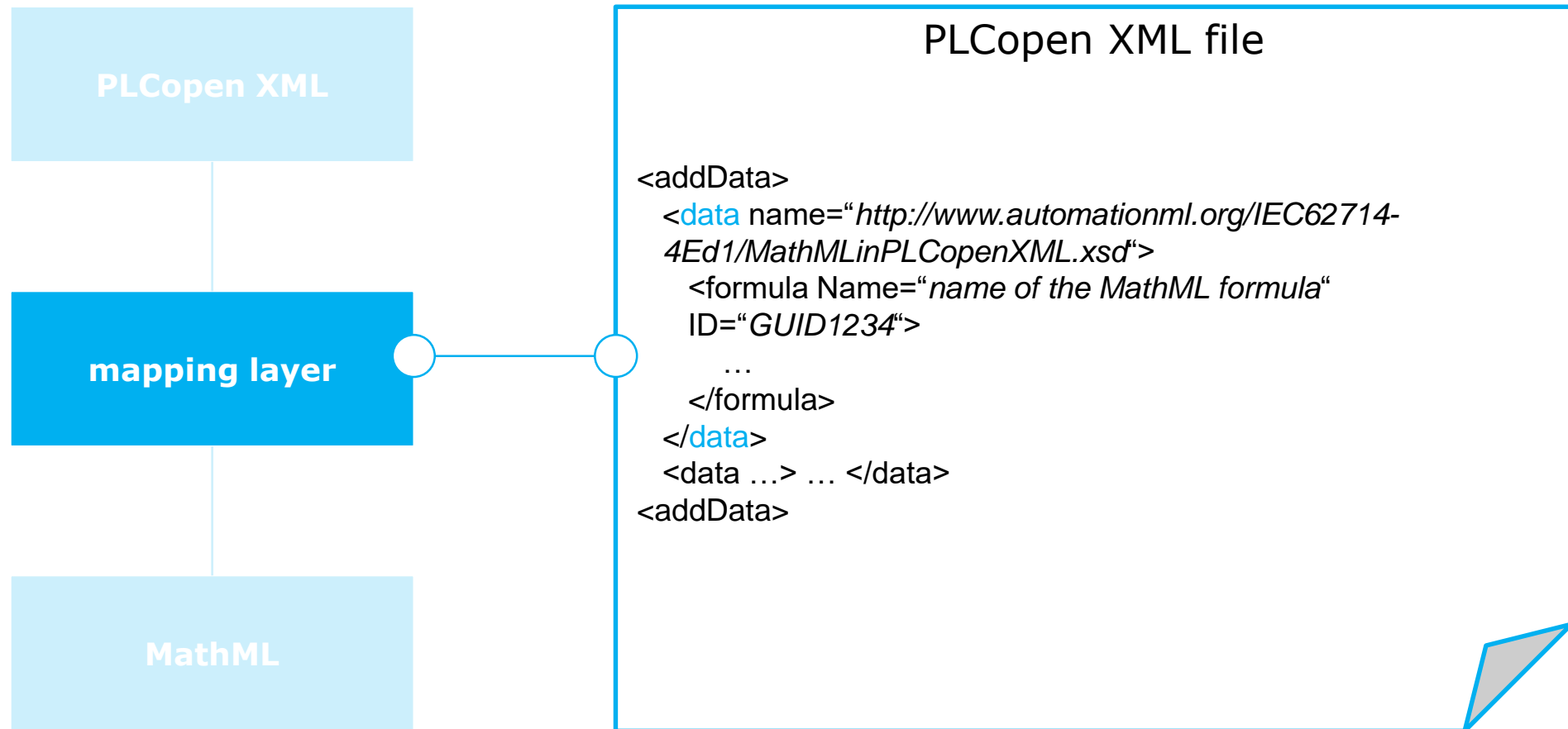
Concept element MathML expression



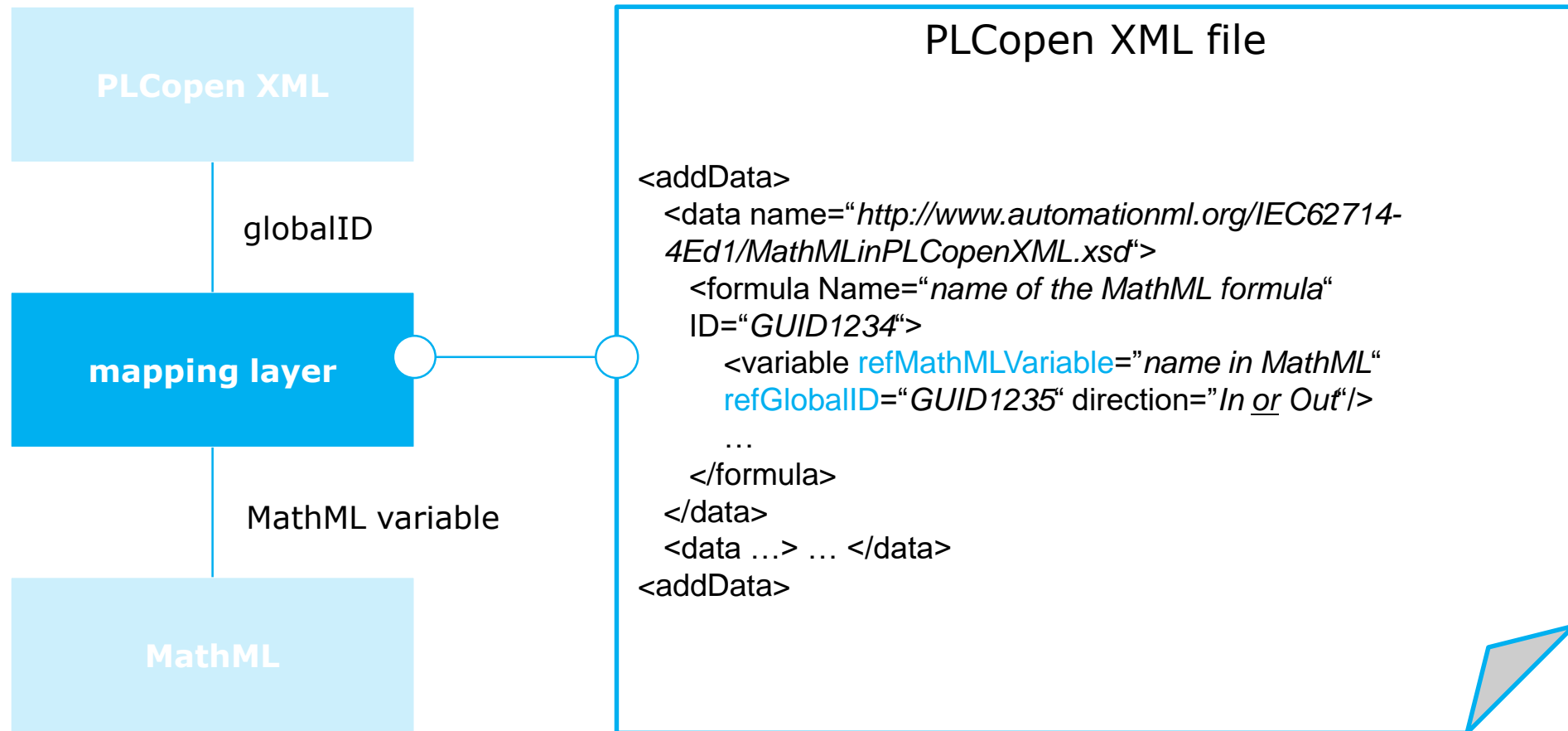
Concept element MathML expression



Concept element mapping layer



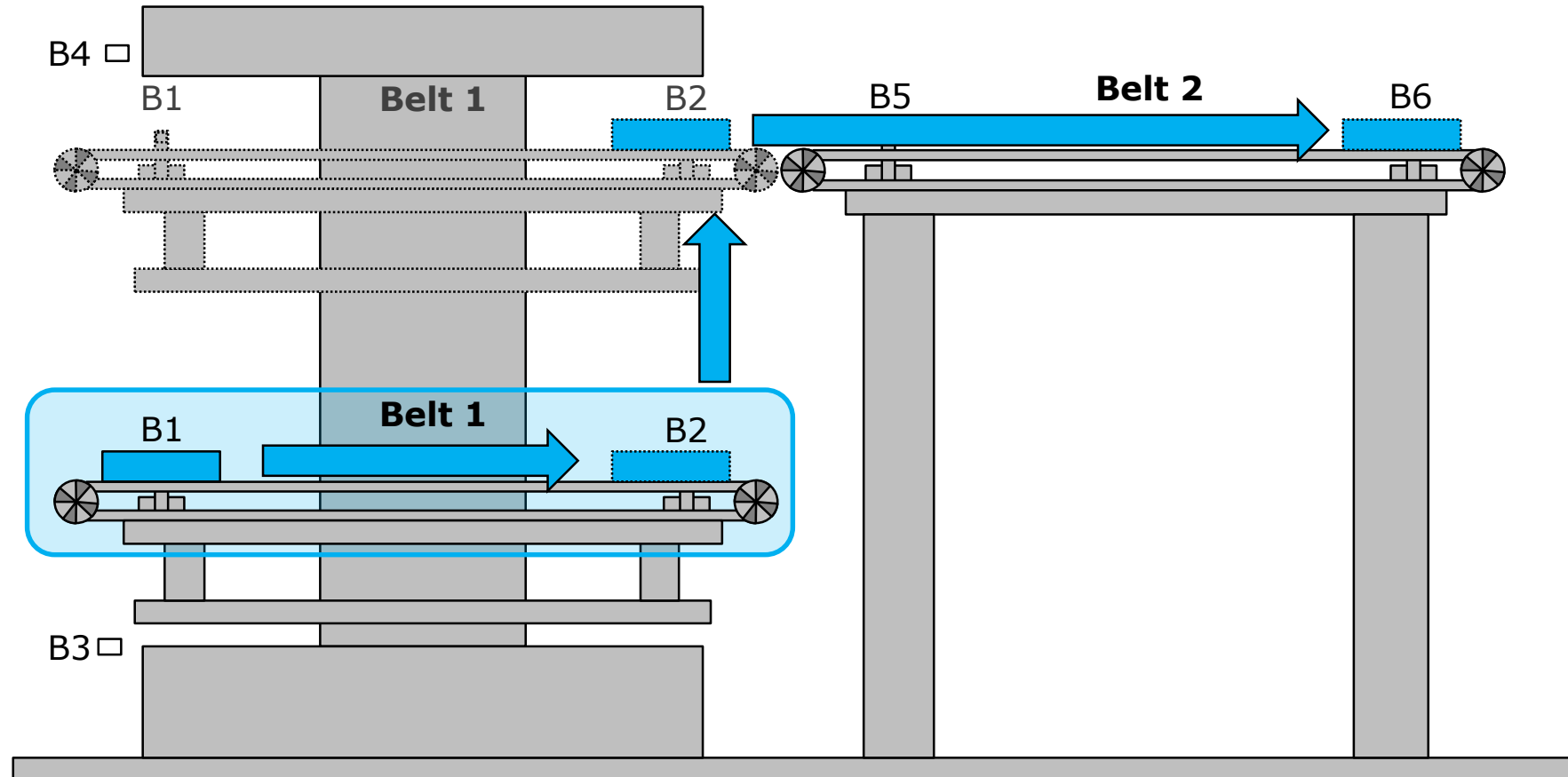
Concept element mapping layer



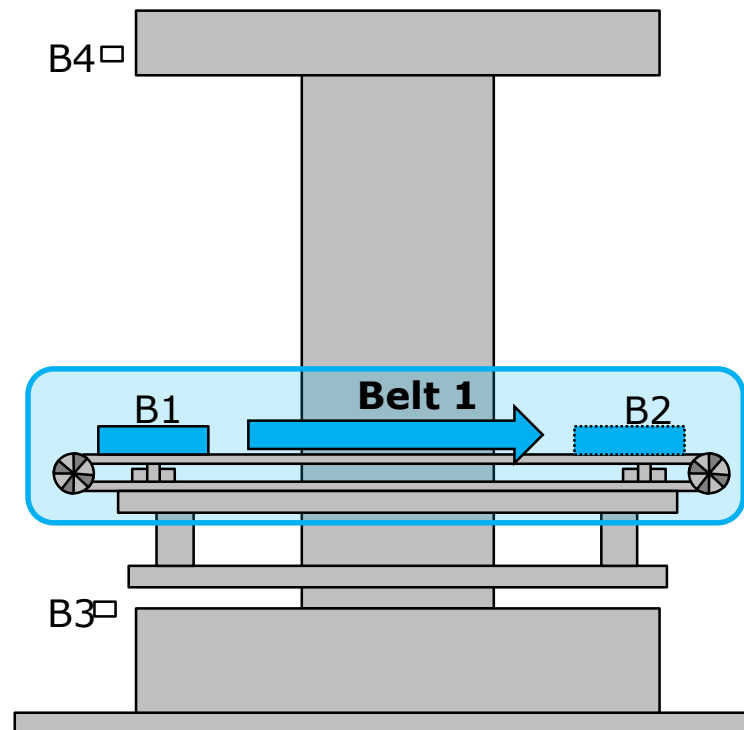
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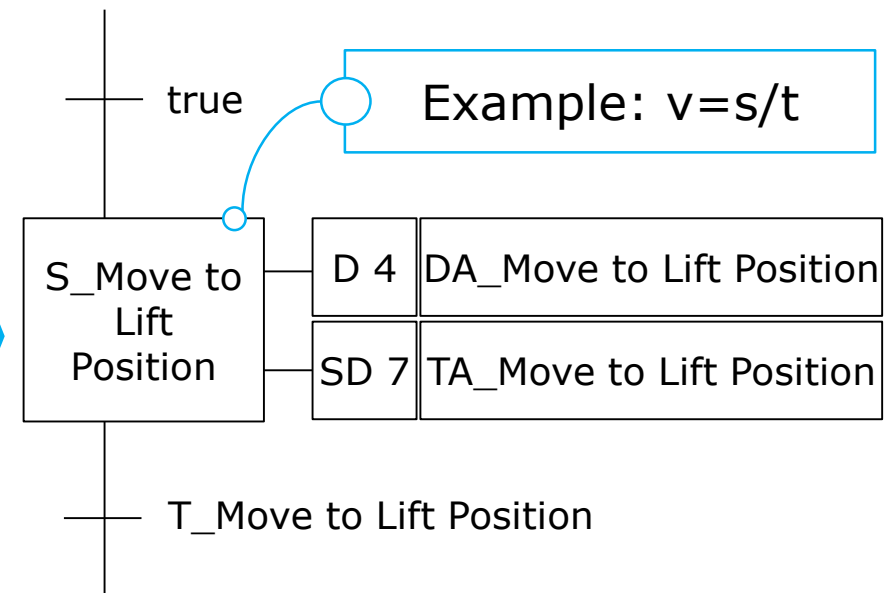
Transport System Module



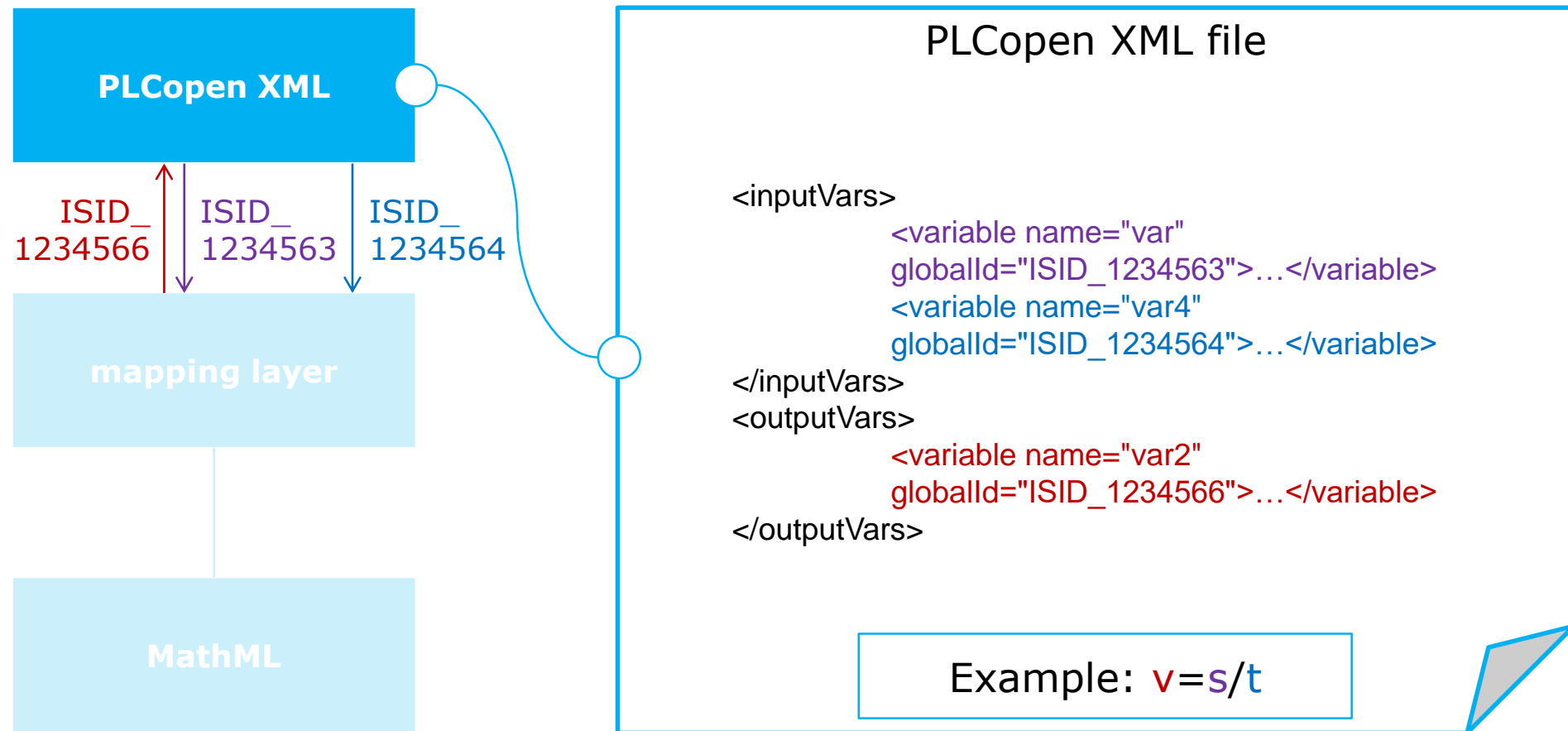
Example for the integration of MathML in a SFC



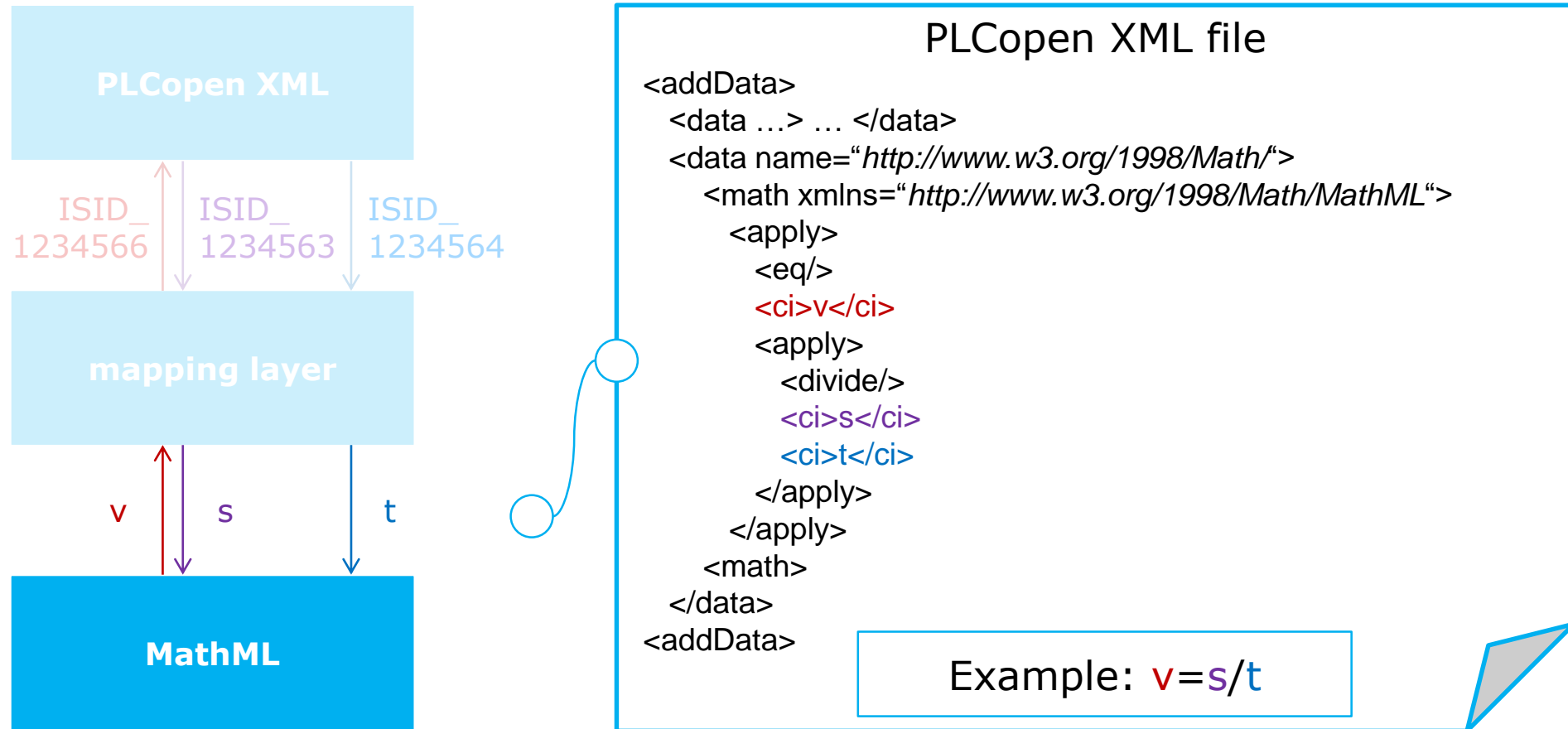
Sequential Function Chart



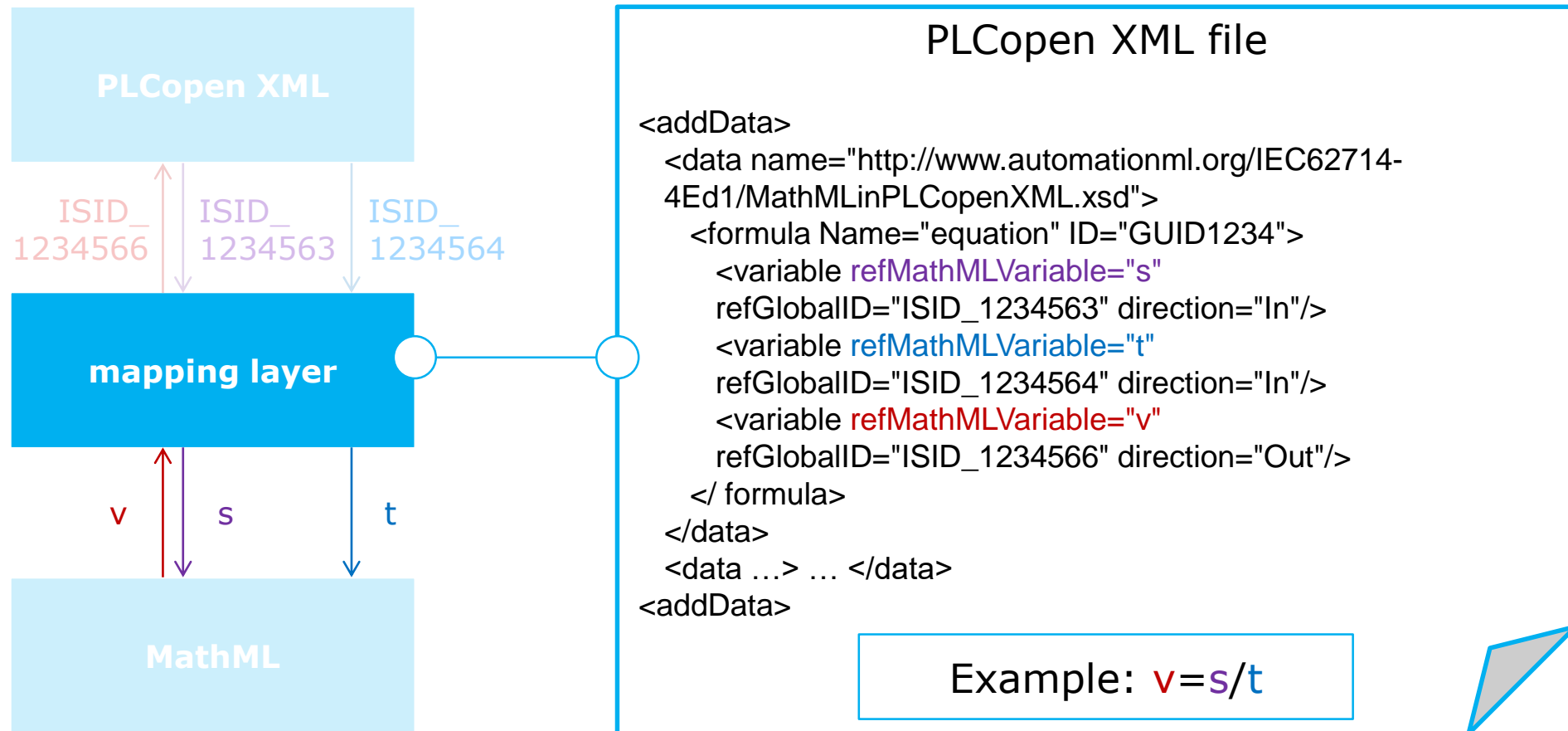
Concept element variable declaration



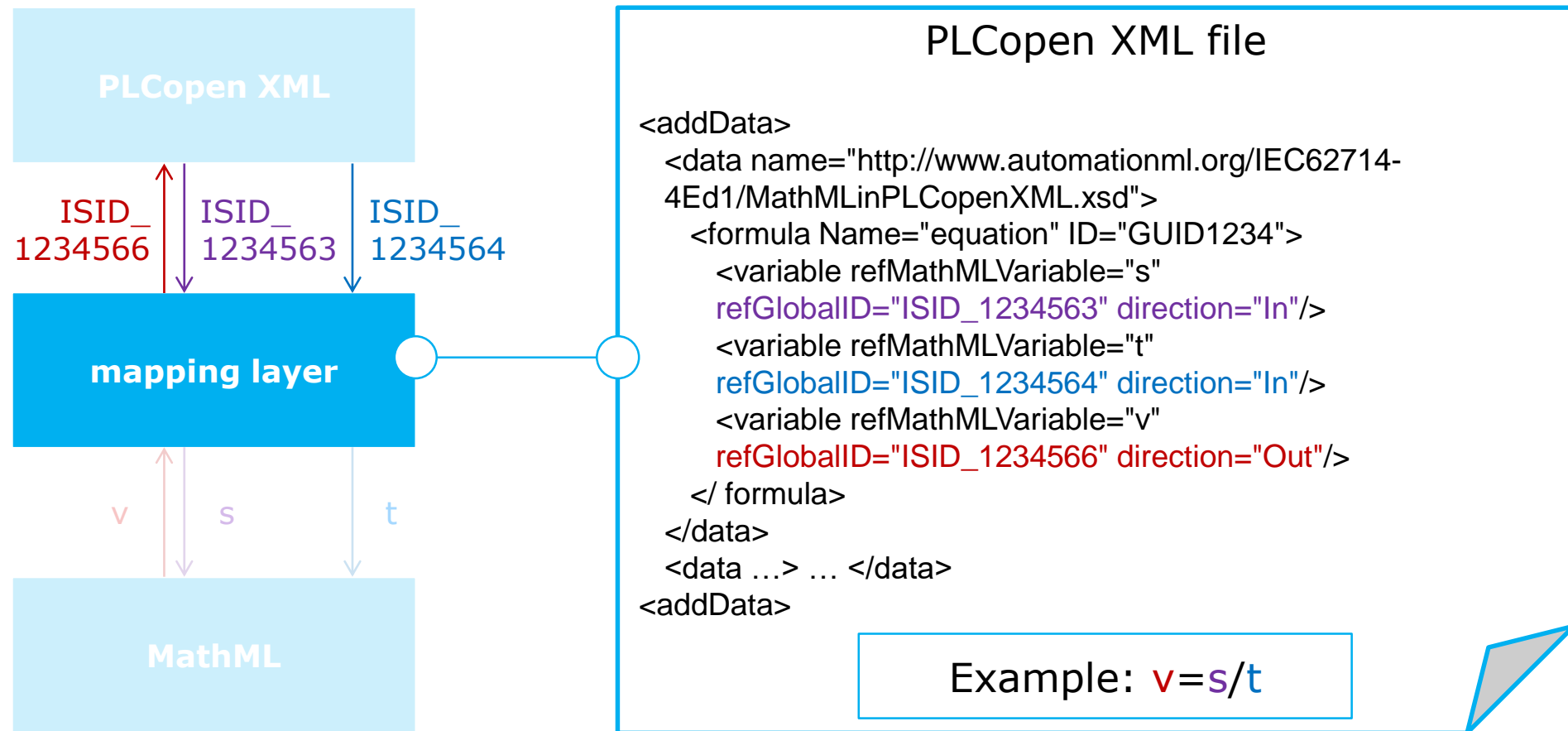
Concept element MathML expression



Concept element mapping layer



Concept element mapping layer

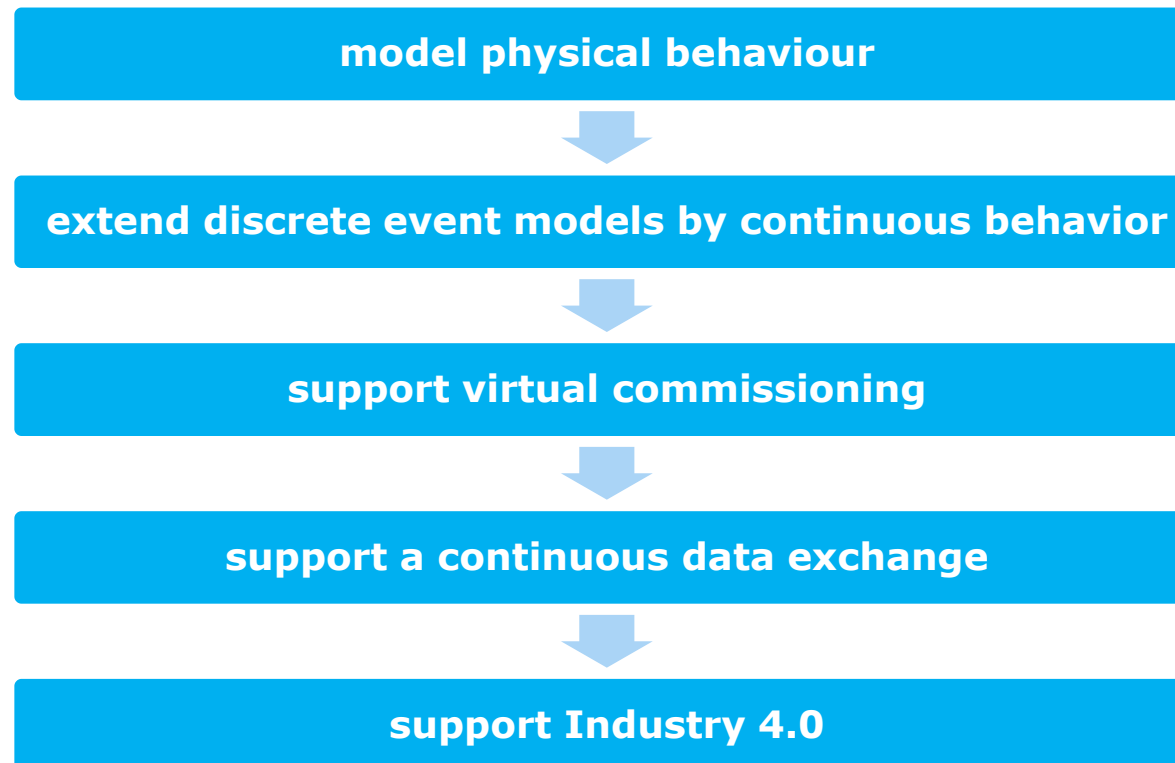


Content

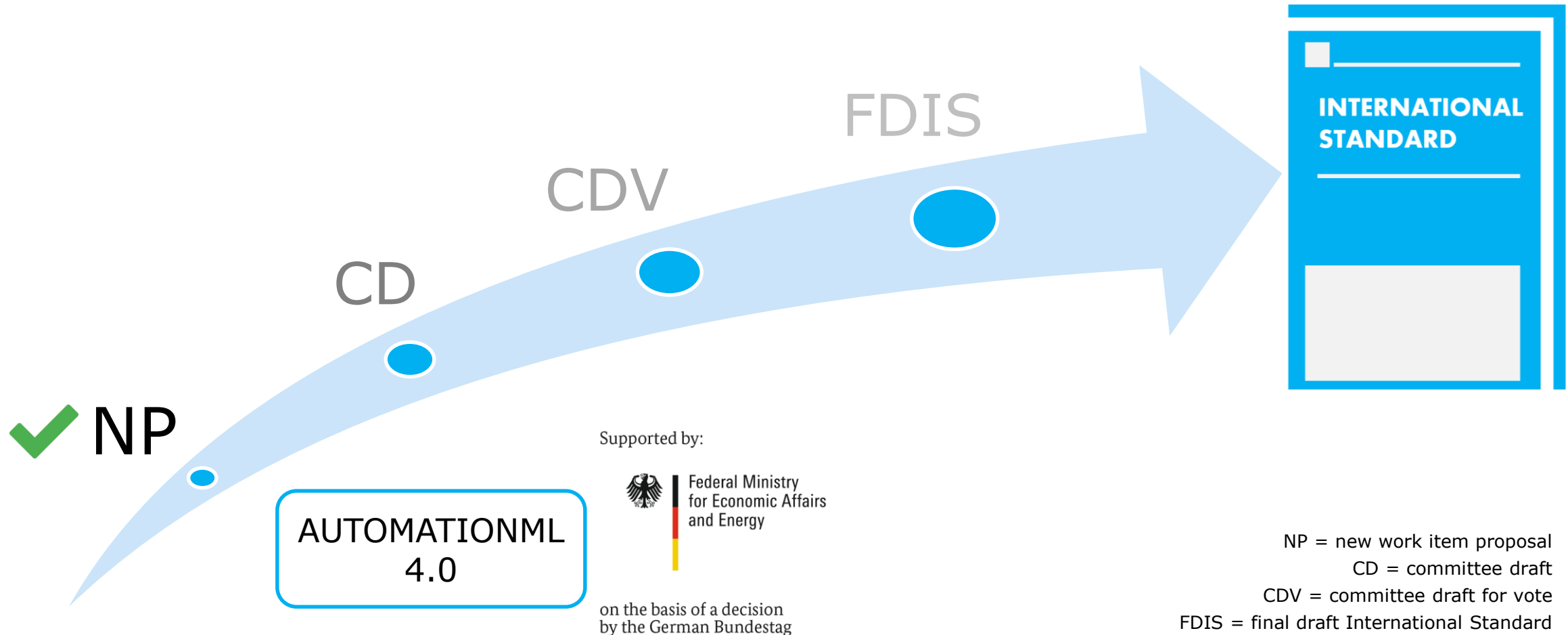
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Summary

The concept for the integration of MathML in PLCopen XML makes it possible to...



Outlook - international standardization



Thank you for your kind attention!

Any questions?

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