

Towards next CDPSM IOP Test

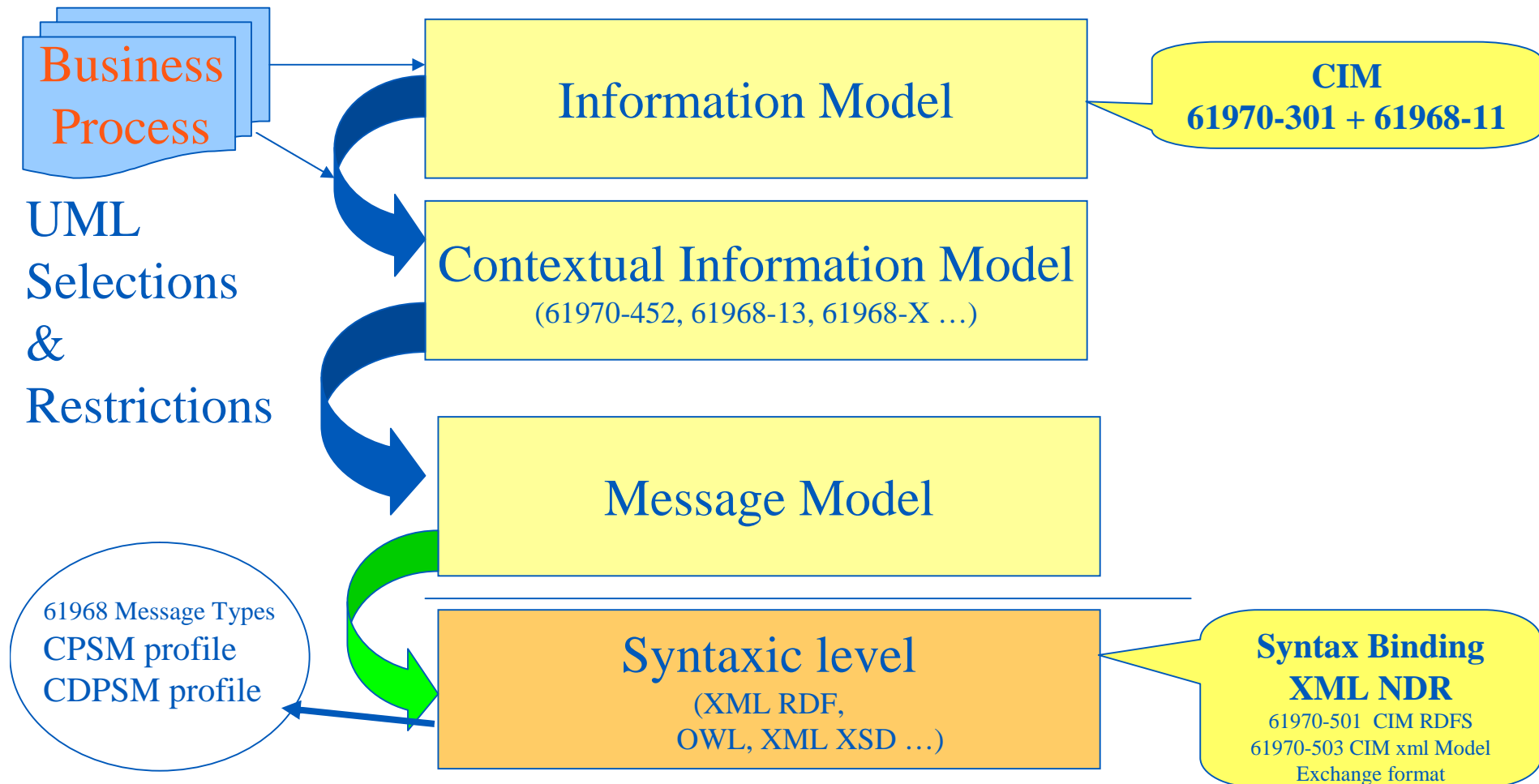
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IEC TC57 wg143,wg14,wg19

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CHANGER L'ÉNERGIE ENSEMBLE

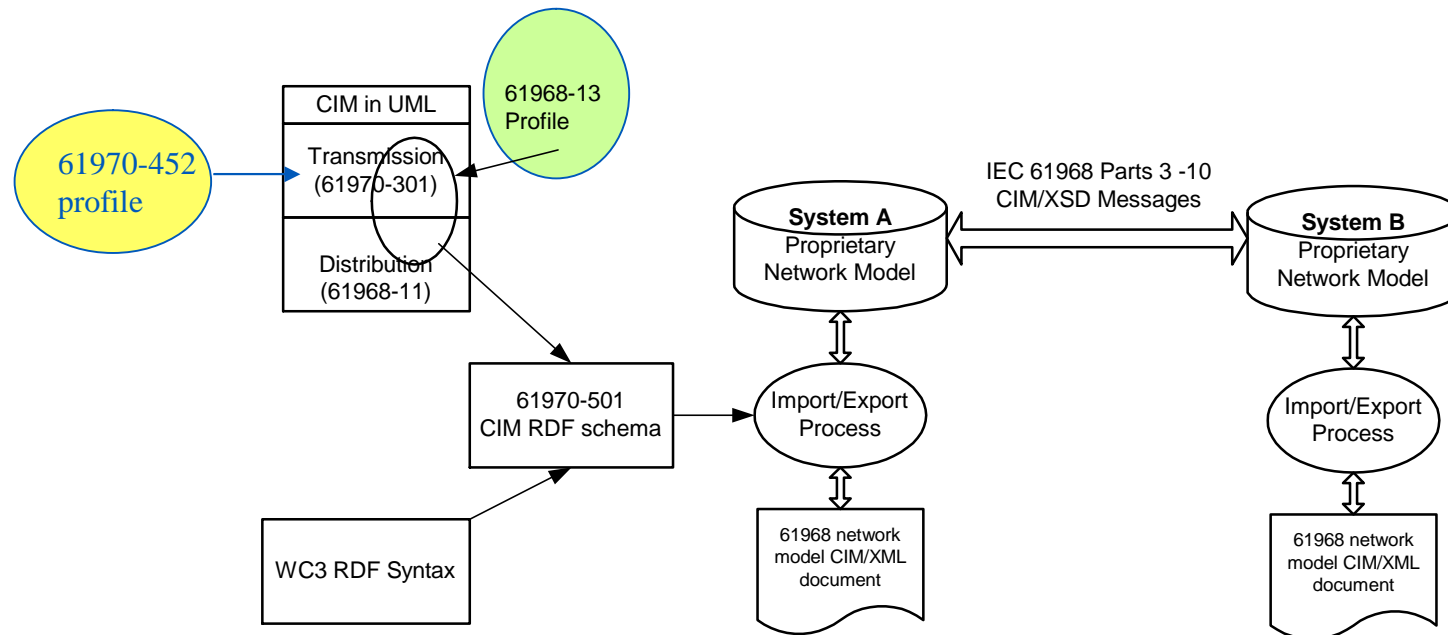
Methodology to derive a Message Type or a Profile



- ◆ A Message Type or a Profile is a **subset** of CIM classes, attributes, relations, allowing to answer a business need

Feedback

- Key idea : why not using CIM in the Distribution Field, as it is used in Transmission field ...
- NWIP March **2005**



- Tested in 2004,2005 during CPSM IOP tests
- IS in August **2008**
- Official IOP test in December **2009** : Global + incremental

Key issues (1/2)

- ▶ **3 profile end of 2009** : connectivity model ,
balanced, unbalanced for Load Flow
=> one profile needed
=> Load Flow results comparison (Open DSS / PRAO / MATLAB PSAT)
- ▶ **IOP data files** : having a minimal set of relevant files (GE, Ieee, EDF, ...)

EDF : rural, urban networks (4/5 primary substations) 3 phases balanced
+ 10 incremental + 2 minimal files (C10, Aigue)
=> Edf unbalanced file for next iop
- ▶ Consistency with 61970-452, 456 (Power Flow Solutions),
headers, Graphics, 61968-4. Awareness of ENTSO-E needs [Planning tools]



key issues (2/2)

- ▶ Incremental mode : common issue with wg13
- ▶ Main issue : assets related classes usable for bulk load initialization
- ▶ Harmonization with NIST PAP 4
- ▶ **Next CDPSM IOP Test** (combined with 61968-9, -4, -3, -6 ?) in January 2011 :

Feedback from CPSM 2010, ENTSO-E 2010 IOP Tests
CIM 15 harmonized for T&D

Then maintenance of IS 61968-13

Then « harmonized » Transmission/Distribution profiles

- ▶ Harmonization with Multispeak

Exchanges at Distribution level using CIM/61850/COSEM information models

