

# Progress report for ISO/IEC DTR 20943-5 Metadata Mapping Procedure(MMP)

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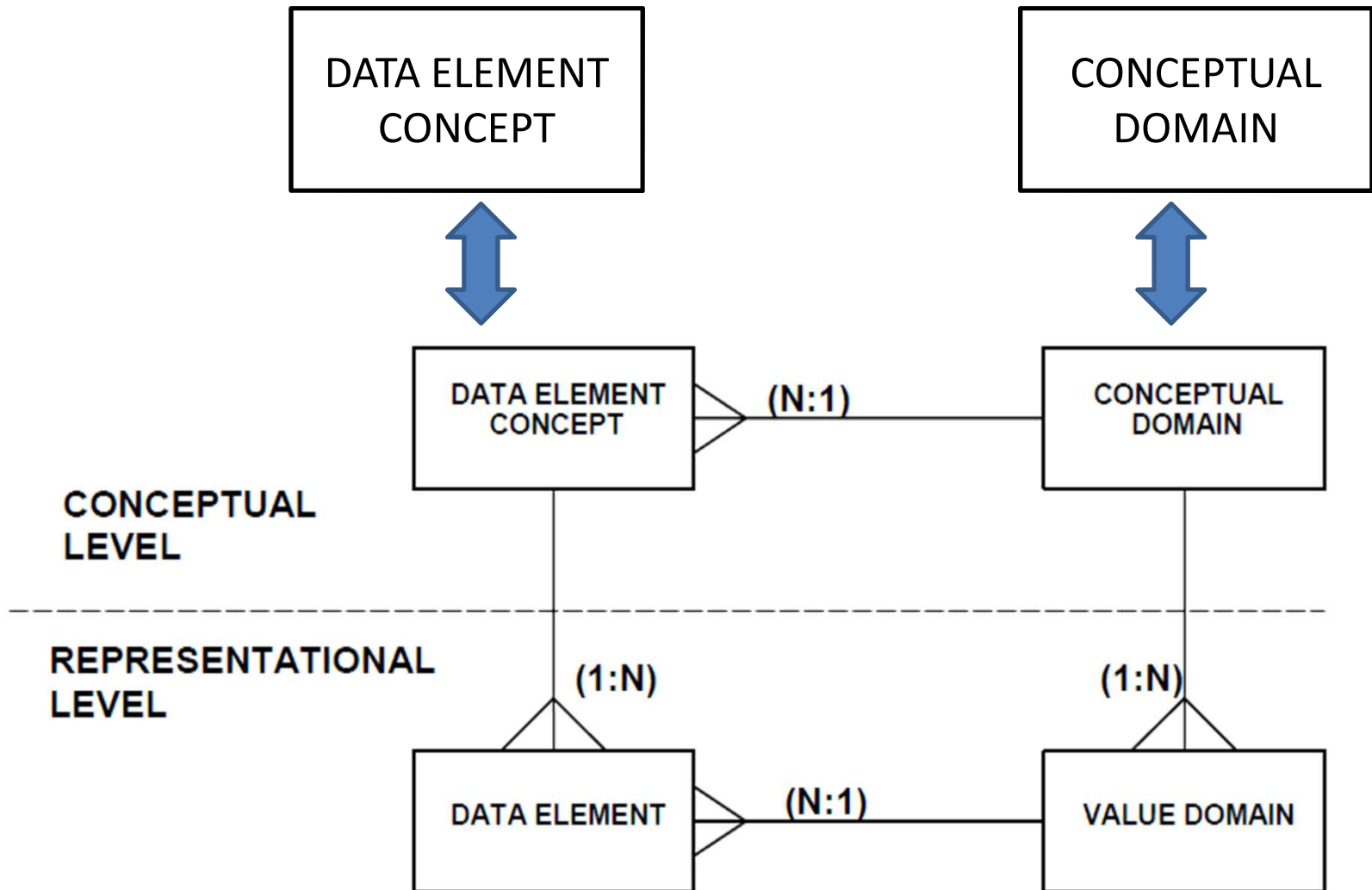
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# Details of 20943-5



# Details of 20943-5

- Data element concept mapping

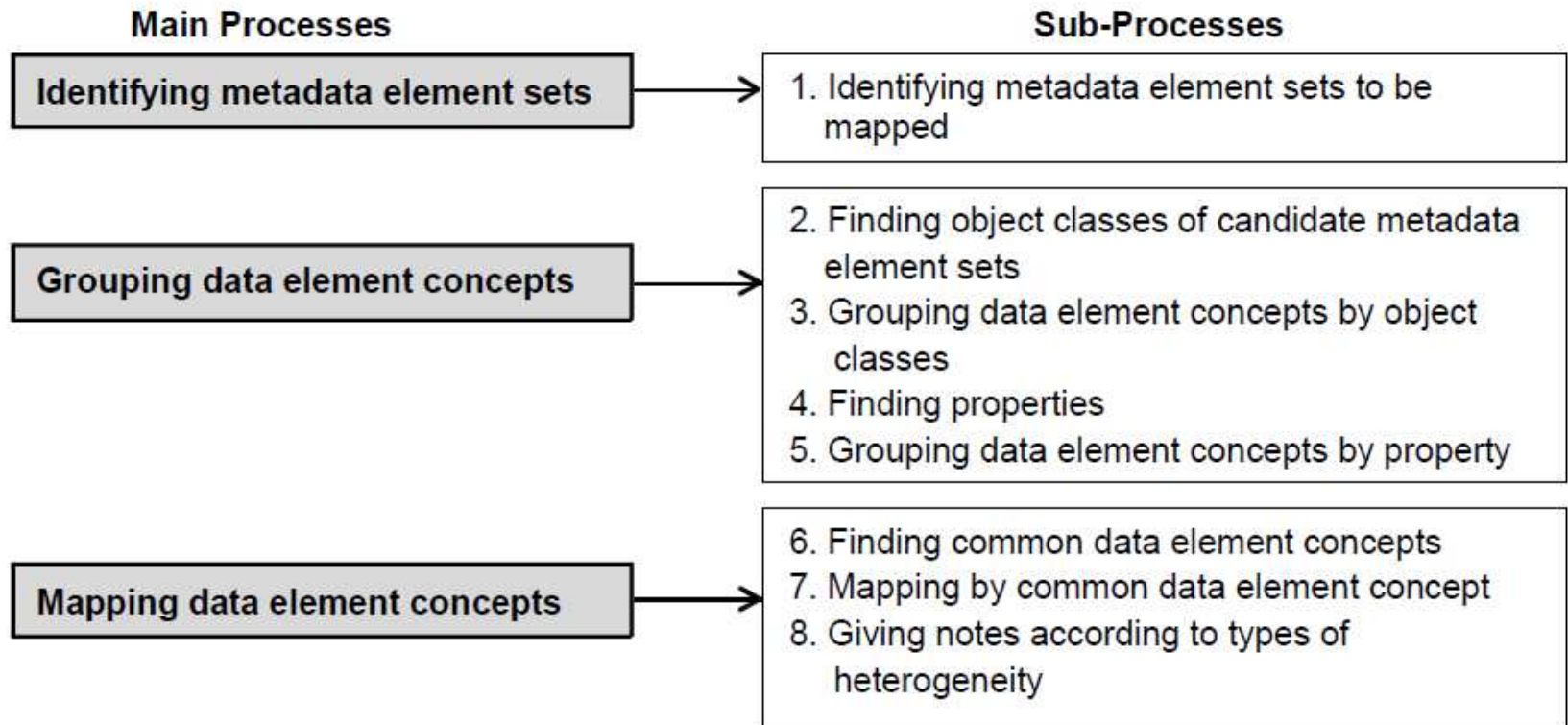


Figure 2 — Main and sub-processes for data element concept mapping

# Details of 20943-5

- Data element concept mapping

Table 2 — Example of grouping data element concepts by property

Primary metadata element set	Secondary metadata element set		
DC	OEBPS	MODS	TEI
Title	Title	Title subTitle partNumber partName nonSort	title seriesStmt:title seriesStmt:idno
Creator	Creator(role) Creator(file-as)	name:role name:namePart name:displayForm name:affiliation name:description	author
Subject	Subject	Topic classification catographics occupation	keyword classCode catRef
...	...	...	...
(none)	(none)	Edition	fileDesc_editionStmt_date fileDesc_editionStmt_edition fileDesc_editionStmt_respStmt fileDesc_editionStmt_respStmt_name fileDesc_editionStmt_respStmt_resp

Table 3 — Types of heterogeneity

Type number	Type	Sub-Type number	Sub-Type	Mark	Examples
1	Identical	1.1	Identical		
		One-to-one mapping			
2	Hierarchical	2.1	Generalization	H/gen	Retail price, Wholesale price → Price
		2.2	Specialization	H/spe	Price → Retail price, Wholesale
		One-to-one mapping (dumb down)			
		2.3	Composition	H/com	Family name, given name → Name
		2.4	Decomposition	H/dec	Name → Family name, given name
		One-to-many or many-to-one mapping (if required)			
3	Domain	3.1	Domain	D	Summary : Synopsis
		One-to-one mapping (if required)			
4	Lexical	4.1	Synonyms	L/syn	First name : Given name
		4.2	Abbreviation	L/abb	Address : Addr.
		4.3	Acronyms	L/acr	Serial Number :SN
		4.4	Case sensitivity	L/cas	Address : ADDRESS
		4.5	Language	L/lan	Name : 이름
		4.6	Variation	L/var	Color : Colour
		One-to-one mapping			
5	Syntactic	5.1	Ordering	S/ord	Family name : Name (family)
		5.2	Delimiters	S/del	Family-name : Family_name
		5.3	Missing	S/mis	Author name : Author
		One-to-one mapping			
6	Complicated	6.1	Complicated	C	
		Mapping is impossible.			

# Detail

- Data €

# Details of 20943-5

- Conceptual domain mapping

Table 5 — Examples of conceptual domain mapping

Mapping types		Examples		
Conversion	Code conversion	KOR to KR		
	Letter conversion	IJME to Int. J Mech Eng		
	Unit conversion	1 in to 2.54 cm		
	Generalization	(father, mother) to parent		
Recomposition	Composition	First Name: John Family Name: Kennedy	to	Full Name: John Kennedy
	Decomposition	Full Name: John Kennedy	to	First Name: John Family Name: Kennedy
	Order change	John Kennedy to Kennedy, John		

# Stage history

- 2007-07-19 ~ 2009-06-22
  - Study Period : Semantic Harmonization of Metadata
- 2008-11-20/WG2 Resolution
  - SC32N1812/WG2N1215 Project sub-division was approved.
  - Semantic Metadata Mapping Procedure (SMMP)
  - Project Number 1.32.16.01.05.00



# Stage history

- 2009-04-12
  - Summary of Voting : SC32N1856 Proposed SC32 resolution for sub-division was adopted.
- 2009-06-26
  - SC32 Resolution Draft : SC32N1887 Registration as PDTR was instructed.
- 2009-10-15
  - WD submission(WG2N1317 ISO/IEC WD 20943-5)

# Stage history

- 2011-01-13 ~ 2011-04-13
  - PDTR 1<sup>st</sup> Ballot(ISO/IEC JTC 1/SC 32 N 2075)
- 2011-07-19 ~ 2011-10-19
  - PDTR 2<sup>nd</sup> Ballot(ISO/IEC JTC 1/SC 32 N 2142)
- 2012-01-31~2012-04-30
  - PDTR 3<sup>rd</sup> Ballot(ISO/JTC 1/SC 32N2190)
- 2012-05-05
  - Ballot passed(ISO/IEC JTC 1/SC 32 N 2225)

# Stage history

- 2012-08-12
  - Text for DTR ballot was sent to JTC1(ISO/IEC JTC 1/SC 32 N 2262)
- ???

# Stage history

- From the ISO Project Portal,

## STAGE HISTORY

Stage	Version	Description	Limit date	Started	Status
10.99	1	New project approved		2009-08-13	CLOSED
30.00	1	Committee draft (CD) registered		2011-01-05	CLOSED
30.20	1	CD study/ballot initiated		2011-07-19	CLOSED
30.60	1	Close of voting/comment period		2011-10-21	CLOSED
30.92	1	CD referred back to Working Group		2012-01-31	CLOSED
30.20	2	<a href="#">CD study/ballot initiated</a>		2012-01-31	CLOSED
30.60	2	<a href="#">Close of voting/comment period</a>		2012-05-03	CURRENT
30.99		CD approved for registration as DIS			WAIT
40.00		DIS registered			WAIT
50.00		FDIS registered for formal approval	2013-02-13		WAIT
60.60		International Standard published	2013-08-13		WAIT

# Request

- Current status is DTR,
- Request to convert this DTR to TS or IS
  - Based on the PDTR2 comments(ISO/IEC JTC 1/SC 32/WG 2 N 1616)
    - Comment from CA01
      - Having reviewed the ISO Directives descriptions of Technical Report and Technical Specification, we believe this document would be better as a Technical Specification.
      - Convert the document to a Technical Specification.
    - Our answer
      - Need discussion. It will be decided in the next plenary meeting.