Evaluation of the Bank for International Settlements (BIS) RDF Data Sets

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 ${\bf Abstract.}$ Evaluation of the Bank for International Settlements (BIS) RDF Data Sets

Keywords: RDF Validation, RDF Constraints, DDI-RDF Discovery Vocabulary, Disco, RDF Data Cube Vocabulary, Linked Data, Semantic Web

1 Data Model Consistency

	Constraints										
Data Sets	DATA-MODEL-CONSISTENCY-01	DATA-MODEL-CONSISTENCY-02	DATA-MODEL-CONSISTENCY-03	DATA-MODEL-CONSISTENCY-04	DATA-MODEL-CONSISTENCY-05	DATA-MODEL-CONSISTENCY-06	DATA-MODEL-CONSISTENCY-07	DATA-MODEL-CONSISTENCY-08	DATA-MODEL-CONSISTENCY-09	DATA-MODEL-CONSISTENCY-10 (!)	DATA-MODEL-CONSISTENCY-11
http://bis.270a.info/sparql	/	✓	✓	<u> </u>	X	<u> </u>	<u> </u>	✓	✓	-	✓

Table 1: Evaluation of http://bis.270a.info/sparql

Constraints

Data Sets	DATA-MODEL-CONSISTENCY-01	DATA-MODEL-CONSISTENCY-02	DATA-MODEL-CONSISTENCY-03	DATA-MODEL-CONSISTENCY-04	DATA-MODEL-CONSISTENCY-05	DATA-MODEL-CONSISTENCY-06	DATA-MODEL-CONSISTENCY-07	DATA-MODEL-CONSISTENCY-08	DATA-MODEL-CONSISTENCY-09	DATA-MODEL-CONSISTENCY-10 (!)	DATA-MODEL-CONSISTENCY-11
BIS_M_IBLR	✓	✓	✓	<u> </u>	X	<u> </u>	✓	✓	✓	-	<u> </u>
$BIS_M_CIBL_IB$	✓	✓	✓	✓	X	✓	✓	✓	✓	-	✓
$BIS_M_CIBL_UR$	✓	✓	✓	✓	X	✓	✓	✓	✓	-	✓
BIS_EER	✓	✓	✓	✓	X	✓	✓	✓	✓	_	\checkmark
BIS_TOTAL_CREDIT	✓	✓	✓	✓	X	✓	✓	✓	✓	-	\checkmark
BIS_M_IBLN	✓	✓	✓	✓	X	✓	✓	✓	✓	_	\checkmark

Table 2: Evaluation of http://bis.270a.info/sparql

Data Sets

2 Existential Quantifications

	Constrain					
Data Sets	EXISTENTIAL-QUANTIFICATIONS-01 EXISTENTIAL-QUANTIFICATIONS-02 EXISTENTIAL-QUANTIFICATIONS-03 EXISTENTIAL-QUANTIFICATIONS-04					

Table 3: Evaluation of http://bis.270a.info/sparql

Cardinality Restrictions

	Constraints			
Data Sets	MINIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-02 MAXIMUM-QUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-UNQUALIFIED-CARDINALITY-RESTRICTIONS-01 EXACT-QUALIFIED-CARDINALITY-RESTRICTIONS-02			
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Table 4: Evaluation of http://bis.270a.info/sparql

Data Sets BIS_M_IBLR BIS_M_CIBL_IB BIS_M_CIBL_UR BIS_EER BIS_TOTAL_CREDIT BIS_M_IBLN WAYIMUM-ONSTRICTIONS

Table 5: Evaluation of http://bis.270a.info/sparql Data Sets

4 Structure

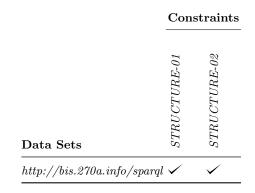


Table 6: Evaluation of http://bis.270a.info/sparql

5 Further Constraints