eSaude – Data Migration Tool

Validation Rules

Change History

#	Author	Date	Description
1	Valério João	07-08-2014	First set of rules
2	Valério João	15-09-2014	Defined rules for L/R-References
3	Valério João	24-09-2014	Added rules 17and 18
4	Valério João	26-09-2014	Changed rule 4
5	Valério João	26-09-2014	Added rule 19
6	Valério João	16-10-2014	Added rule 20

1. If a **Match-L-to-R** doesn't have a right side (N/A), the **default value** is mandatory, an error must be thrown otherwise
2. If **default value** is **AI** in a **Match-L-to-R**, then the left side datatype must be **INT**, an error must be thrown otherwise
3. If default value is **AI/SKIP/TRUE** or **AI/SKIP/FALSE** in a **Match-L-to-R**, then the right side datatype must be logic (true, false), an error must be thrown otherwise
4. If in a **Match-L-to-R** the right side is not **required**, then it must have a **default value**, an error must be thrown otherwise
5. If the left datatype doesn't match the right datatype in a **Match-L-to-R**, then the reverse direction must be verified.
6. If the right datatype doesn't match the left datatype in **a Match-L-to-R**, then an error must be thrown, a warning must be thrown otherwise
7. If the left **size** doesn't match the right **size** in a **Match-L-to-R**, then a warning must be thrown
8. If right side is **required** in a **Match-L-to-R**, then the **default value** cannot be **SKIP**, an error must be thrown otherwise
9. If a **Match-L-to-R** is **PK**, then its datatype must be **INT** or compatible, an error must be thrown otherwise
10. If a **Match-L-to-R** is **PK**, then it must be **required**, an error must be thrown otherwise
11. If a **Match-L-to-R** is **PK**, then it must have an **R-Reference**, an error must be thrown otherwise
12. **Tuple** must have an **L-Reference** with its **parent** tuple, an error must be thrown otherwise
13. If a **reference** is direct (the **L/R-References** table is equal to the **Tuple** table or **Match-L-to-R** table) then it should not have **Sequence** value, an error must be thrown otherwise.

14. If a **reference** is indirect (the **L/R-References** table is not equal to the **Tuple** table or **Match-L-to-R** table) then it should have **Sequence** value, an error must be thrown otherwise.
15. The **Sequence** of an **L/R-References** must belong to the same **Tuple** or **Match-L-to-R**, an error must be thrown otherwise
16. The **L/R-References'** Reference Table of an indirect reference must be the same as the **L/R-References'** Referenced Table of its predecessor in the **Sequence**, an error must be thrown otherwise
17. If the default value of a **Match-L-to-R** is **SKIP**, the match must have a right side, an error must be thrown otherwise
18. If the **default value** of a **Match-L-to-R** is **TOP**, the match must not have a right side, an error must be thrown otherwise
19. If in a **Match-L-to-R** the left side is **required**, then its **default value** cannot be **NULL**, an error must be thrown otherwise
20. If in a **Match-L-to-R** the default value is **NOW**, then its right side **datatype** must be **DATE** or **DATETIME** compatible.