Terminologies and References

Refer to these following additional details on data types, rule definitions and Card Entry Mode, which are used throughout this functional specification.

Data Types

Type	Definitions	Minimum	Maximum
Type B	Boolean (e.g., 1, 0, TRUE, FALSE, T, F, YES, NO)	N/A	N/A
Type C	Character (Alphanumeric)	Minimum number of characters	Maximum number of characters
Type D	Date (YYYY.MM.DD)	N/A	N/A
Type E	Base64 Encoded Data	N/A	N/A
Type F	Floating point number (decimal)	Format: D(C) • D - minimum number of digits left of decimal • C - minimum number of digits right of decimal	Format: D(C) • D - maximum number of digits left of decimal • C - maximum number of digits right of decimal
Type L	List - (select from) list of valid values	N/A	N/A
Type N	Numeric	Minimum number of digits	Maximum number of digits
Type S	Static value	N/A	N/A
Type T	Time (00:00:00)	N/A	N/A

Rules

Rules	Definitions
Rule R	Required - Required in all cases
Rule O	Optional - Required in no cases
Rule C	Conditional – Required in some cases. Refer the Description column in Protocols for the required cases.

Card Entry Mode

This section describes the card entry mode. Descriptive card entry mode is controlled by an application parameter `descriptiveentrymode` in app section of PropertiesData.xml. Default value for the parameter is N.

Card Entry Mode	Default	Descriptive (descriptiveentrymode = Y)
EMV Chip Insert	Chip Read	Chip Read - Contact
EMV Contactless	Contactless	Chip Read - Contactless
Mag Stripe Contactless	Contactless	Mag Stripe - Contactless
Manual (Keyed) Entry	Keyed	Manual
Fallback	FSwipe	Mag Stripe - Fallback
Swipe	Swiped	Mag Stripe - Swipe
Token	Token. **NOTE:** Vantiv Direct implementation only.	