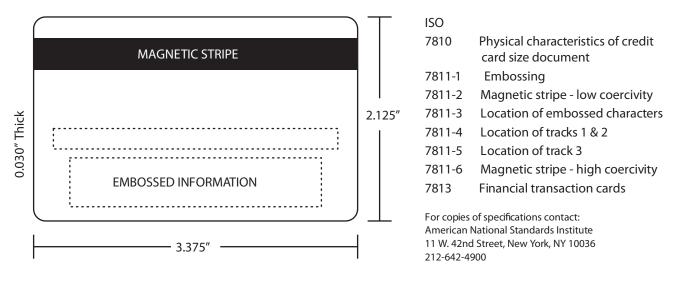


# MAGNETIC STRIPE CARD STANDARDS

#### **Dimensions - Financial Transaction Cards**

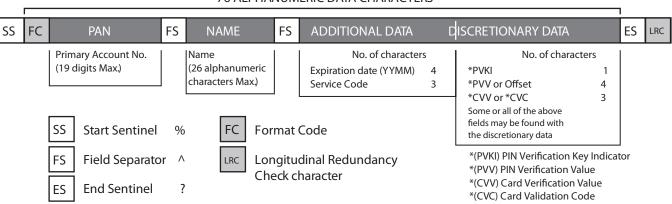


## Magnetic Stripe Encoding - Financial Transaction Cards

0.223"	Track		Recording Density (bits per inch)	Character Configuration (including parity bit)	Information Content (including control characters)
0.110"	1	IATA	210	7 bits per character	79 alphanumeric characters
0.110"	2	ABA	75	5 bits per character	40 numeric characters
0.110"	3	THRIFT	210	5 bits per character	107 numeric characters

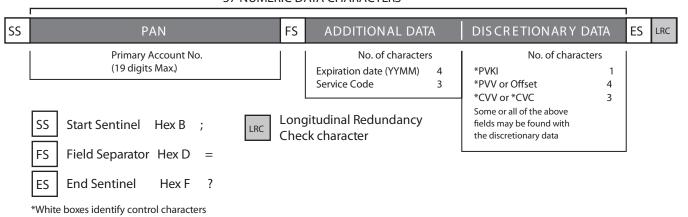
### Card Data Format - Track 1

#### **76 ALPHANUMERIC DATA CHARACTERS**



### Card Data Format - Track 2

#### 37 NUMERIC DATA CHARACTERS



### Card Data Format - Track 3 (ISO 4909)

#### 104 NUMERIC DATA CHARACTERS

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SS	FC	PAN	FS	USE AND SECURITY DATA		ADDITIONAL DATA	ES	LRC
		Primary Account No. (19 digits Max.)		No. of char Country Code (optional) Currency Code Currency Exponent Amount Authorized per Cycle Amount Remaining this Cycle Cycle Begin (Validity Date) Cycle Length Retry Count PIN Control Parameters (optional) Interchange Controls PAN Service Restriction SAN-1 Service Restriction SAN-2 Service Restriction Expiration Date (optional) Card Sequence Number Card Security Number (optional)	1 acters 3 3 3 1 4 4 4 4 2 1 6 1 2 2 2 2 4 1 9	No. of characters First subsidiary Account No. (optional)  Secondary Subsidiary Account No. (optional)  Relay Marker 1  Cryptographic Check Digits 6 (optional)  Discretionary Data  *A Field Separator (FS) must be used if an optional field is not used		
[0 9	Da Sei			SS Start Sentinel Hex B;  FS Field Separator Hex D =  ES End Sentinel Hex F ?  *White boxes identify control characters		FC Format Code (2 digits)  Longitudinal Redundancy Check character		



The track formats used in this document are based on ISO Standards, however, other formats may be used. Contact your card issuer for your exact requirements