

## *Indian Standard*

# IDENTIFICATION CARDS — INTEGRATED CIRCUIT CARDS

## PART 10 ELECTRONIC SIGNALS AND ANSWER TO RESET FOR SYNCHRONOUS CARDS

### 1 Scope

This part of ISO/IEC 7816 specifies the power, signal structures, and the structure for the answer to reset between an integrated circuit(s) card with synchronous transmission and an interface device such as a terminal.

These specifications in ISO/IEC 7816-3 apply where appropriate, unless otherwise stated here.

It also covers signal rates, operating conditions, and communication with the integrated circuit(s) card.

This part of ISO/IEC 7816 specifies two types of synchronous cards: type 1 and type 2.

### 2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO/IEC 7816. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO/IEC 7816 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 1177:1985, Information processing—Character structure for start/stop and synchronous character oriented transmission.

ISO/IEC 7810:1995, Identification cards—Physical characteristics.

ISO/IEC 7816-2:1999, Information technology—Identification cards—Integrated circuit(s) cards with contacts—Part 2: Dimensions and location of the contacts .

ISO/IEC 7816-3:1997, Information technology—Identification cards—Integrated circuit(s) cards with contacts—Part 3: Electronic signals and transmission protocols.

ISO/IEC 7816-4:1995, Information technology—Identification cards—Integrated circuit(s) cards with contacts—Part 4: Interindustry commands for interchange .

ISO/IEC 7816-4:1995/Amd.1:1997, Information technology —Identification cards —Integrated circuit(s) cards with contacts—Part 4: Interindustry commands for interchange—Amendment 1: Impact of secure messaging on the structures of APDU messages.