



FASY UAP PEX

Communication Protocol

INDICE DEL CONTENUTO

1. INTRODUZIONE	4
2. SCOPO DEL DOCUMENTO	4
3. DOCUMENTAZIONE DI RIFERIMENTO.....	4
4. GENERALITÀ	4
5. PARAMETRI DI COMUNICAZIONE.....	5
6. FLUSSO DEL COLLOQUIO SU RS-232	5
6.1 Messaggi da registratore di cassa a computer che richiedono conferma da parte del computer	5
6.2 Messaggi da registratore di cassa a computer interattivi	5
6.3 Messaggi inviati dal computer al registratore di cassa non protocollati.....	5
6.4 Messaggi inviati dal registratore di cassa al computer non protocollati:.....	6
6.5 Procedura di connessione/riconnessione.	8
Richiesta di riconnessione su comando ricevuto da computer.	8
Richiesta di riconnessione in caso di Hello continuo.	9
7. FLUSSO DEL COLLOQUIO SU RS-485	10
7.1 Messaggi da computer a singolo registratore di cassa.....	10
7.2 Messaggi Broadcast	12
7.3 Messaggi da registratore di cassa a computer che non richiedono risposta da parte del computer	12
7.4 Messaggi da registratore di cassa a computer interattivi	13
8. MESSAGGI PREVISTI	13
8.1 Il registratore di cassa invia il suo stato al computer	13
8.2 Il registratore di cassa richiede dei dati al computer	14
8.3 Il registratore di cassa invia dei dati al computer	15
9. CAMPI COMANDO PREVISTI.....	15
10. PROCEDURA DI MESSA IN ATTESA DI UNA CASSA	15
11. NOTE PRATICHE SULL'UTILIZZO IN CONFIGURAZIONE SLAVE ..	16
11.1 Simulazione tastiera in configurazione Slave.....	17
APPENDICE A - TRACCIATI RECORD	18
APPENDICE B – PROTOCOLLO SEMPLIFICATO (ASSETTO REMOTE)	19
B.1 Assetto Remote	19
B.2 Flusso del colloquio	20
B.3 Tracciati record	21
B.4 Nuovi campi comando	22
B.5 Esempi di vendita.....	25
APPENDICE C – ESEMPI	27

PAGINA LASCIATA INTENZIONALMENTE BIANCA

1. INTRODUZIONE

Il registratore di cassa è dotato di un potente protocollo di comunicazione verso computer, che prevede varie modalità di interazione tra registratore di cassa e computer, così da poter soddisfare la più ampia casistica di esigenze.

Il registratore di cassa è provvisto di una linea di comunicazione seriale (COM1) verso computer di tipo RS-232. Mediante un'interfaccia opzionale RS-232/RS-485 è possibile realizzare una connessione di tipo RS-485.

La connessione di tipo RS-232 consente la comunicazione di un solo registratore di cassa con il computer collegato. Il supporto fisico di comunicazione è costituito da un cavo seriale.

La connessione di tipo RS-485 consente comunicazioni multidrop, di più registratori di cassa (fino ad un massimo di 16) collegati al computer mediante un'unica linea seriale asincrona half-duplex, in configurazione "a catena" (daisy-chain).

Il supporto fisico di comunicazione è costituito da un cavo schermato tipo doppino telefonico.

2. SCOPO DEL DOCUMENTO

Il presente documento illustra i concetti base del protocollo di comunicazione, la cui conoscenza è essenziale per un corretto utilizzo.

3. DOCUMENTAZIONE DI RIFERIMENTO

- Manuale operativo del registratore di cassa

4. GENERALITÀ

Il protocollo di comunicazione è stato progettato con i seguenti obiettivi:

- **possibilità di configurazione "Master" e "Slave"**
 - il protocollo deve permettere di realizzare sia configurazioni "Master" (nelle quali il registratore di cassa è disponibile per il funzionamento locale, pilotato mediante tastiera, e dialoga interattivamente con il computer) sia configurazioni "Slave" (nelle quali il registratore di cassa è disponibile solo per il funzionamento remoto ed è completamente asservito al computer).
- **interattività**
 - gli archivi (PLU, clienti, ecc.) devono poter essere centralizzati su computer, con interrogazione in tempo reale mediante interattività registratore di cassa/computer;
 - l'interattività registratore di cassa/computer deve essere estesa ad ogni evento di cassa, così che il computer possa autorizzare o anche alterare il flusso delle operazioni di cassa;
 - deve essere possibile programmare da computer il registratore di cassa;
 - deve essere possibile leggere da computer i dati dei rapporti di cassa;
 - le configurazioni Master e Slave devono poter essere mescolate.
- **registrazione attività**
 - ogni attività di cassa deve essere registrata su computer nei minimi dettagli così da poter elaborare successivamente qualsiasi tipo di statistica;
 - sul registratore di cassa deve esistere la possibilità di bufferizzare, in attesa di trasmissione differita, lo storico delle attività del registratore di cassa stesso, anche al fine di recuperare eventuali perdite di dati.

Nell'Appendice B - PROTOCOLLO SEMPLIFICATO (ASSETTO REMOTE) del presente documento vengono inoltre descritte particolari operatività di comunicazione 'semplificate' per l'interfacciamento del registratore di cassa. Queste operatività sono attive solo in caso di comunicazione RS-232 e sono state progettate per aumentare la flessibilità del protocollo in configurazione "Slave".

5. PARAMETRI DI COMUNICAZIONE

Standard	RS-232	RS-485
Velocità	9.600/19.200/38.400 baud	9600/19200/38.400 baud
Lunghezza	8 bit	8 bit
Parità	NO PARITY	NO PARITY
Stop bit	1 bit	1 bit

6. FLUSSO DEL COLLOQUIO SU RS-232

Il protocollo di comunicazione prevede **2 metodi** di iniziativa di comunicazione tra registratore di cassa e computer:

- 1°. Il computer decide quando iniziare il colloquio con la cassa "HELLO A RICHIESTA" HR (metodo di default).
- 2°. La cassa manda a frequenza stabilita il messaggio di Hello "HELLO CONTINUO" HC (ved. programmazione n.922 manuale operativo).

Esistono **due** tipi fondamentali di messaggi:

- messaggi da registratore di cassa a computer che richiedono conferma da parte del computer.
- messaggi da registratore di cassa a computer interattivi, che richiedono risposta da parte del computer.

6.1 Messaggi da registratore di cassa a computer che richiedono conferma da parte del computer

La comunicazione avviene in due fasi:

1. il registratore di cassa invia un messaggio
2. il computer dichiara di averlo ricevuto correttamente (messaggio non protocollato par. 6.3).

La risposta del computer deve intendersi in questo caso non come semplice dichiarazione di messaggio ricevuto, ma anche di servizio eseguito.

Può comunque accadere che un servizio dichiarato eseguito non vada in realtà a buon fine (ad esempio: registrazione di attività del registratore di cassa su computer con perdita dei dati per effetto di errore di disco, caduta di tensione o altro). Per proteggersi da tali evenienze il protocollo prevede dei meccanismi di segnalazione errore e riallineamento.

Questi messaggi vengono detti "Record Di Storico o di Attività" e definiti con il suffisso "C01:XX" (cap.8.3) (vedi programmazioni n.930 e n.911 manuale operativo).

6.2 Messaggi da registratore di cassa a computer interattivi

In questo caso la comunicazione si articola su tre fasi:

1. il registratore di cassa invia un messaggio
2. il computer elabora ed invia la risposta
3. il registratore di cassa dichiara di aver ricevuto la risposta.

Questi messaggi vengono detti di interattività "BXX" (cap.8.2) (vedi programmazione n.910 manuale operativo).

6.3 Messaggi inviati dal computer al registratore di cassa non protocollati.

- **Messaggio ACK**

Il computer risponde con questo messaggio ad un messaggio inviato dal registratore di cassa che è stato ricevuto correttamente.

Formato:

<ACK>

<ACK> = 0x06

- **Messaggio NAK**

Il computer risponde con questo messaggio ad un messaggio inviato dal registratore di cassa che non è stato ricevuto correttamente.

Formato:

<NAK>

<NAK> = 0x15

- **Messaggio SYN**

Il computer invia questo messaggio al registratore di cassa per reinizializzare il timeout, nel caso in cui non possa trasmettere messaggi di risposta nei tempi prestabiliti.

Formato:

<SYN>

<SYN> = 0x16

- **Messaggio di Richiesta di Hello message e invio immediato Rapporti e programmazioni locali**

Questo messaggio consente al computer di ricevere direttamente dal registratore di cassa tutte le informazioni sullo stato del registratore di cassa stesso ("Hello message"). Il computer può inviare un messaggio di risposta articolato su vari "campi comando", che vengono interpretati ed eseguiti dal registratore di cassa.

Inoltre consente di ottenere l'invio immediato dei record relativi a Rapporti e Programmazioni locali disabilitandone l'inserimento nel file storico.

Formato:

Richiesta di Hello message con procedura di riconnessione:

Con questo comando si scatena la procedura di riconnessione (allineamento tra "Computer" e "Registratore di cassa" del file di storico).

<DLE>

<DLE> = 0x10

Richiesta di Hello message senza procedura di riconnessione:

con questo comando si evita di scatenare la procedura di riconnessione

<DC1>

<DC1> = 0x11

6.4 Messaggi inviati dal registratore di cassa al computer non protocollati:

- **Messaggio ACK**

Il registratore di cassa risponde con questo messaggio ad un messaggio inviato dal computer che è stato ricevuto e correttamente eseguito.

Formato:

<ACK>

<ACK> = 0x06

- **Messaggio NAK**

Il registratore di cassa risponde con questo messaggio ad un messaggio inviato dal computer che non è stato ricevuto correttamente (errore di protocollo).

Formato:

<NAK>

<NAK> = 0x15

- **Messaggio SYN**

Il registratore di cassa invia questo messaggio al computer, quando il messaggio inviato è stato ricevuto correttamente ed è in via di esecuzione; viene inviato ciclicamente dalla cassa con un periodo di circa 1 sec. per informare host dell'esecuzione in corso

Formato:

<SYN>

<SYN> = 0x16

- **Messaggio CAN**

Il registratore di cassa invia questo messaggio al computer quando il messaggio inviato è stato eseguito in parte o non eseguito completamente; in questo caso può essere di aiuto conoscere i dettagli della mancata esecuzione: questo è possibile richiedendo il messaggio di HELLO [DLE].

Formato:

<CAN>

<CAN> = 0x18

- **Messaggio BEL**

Il registratore di cassa invia questo messaggio al computer se durante l'esecuzione di una stringa comandi manca la carta; viene inviato ciclicamente dalla cassa con un periodo di circa 1 sec. per informare il computer della mancanza carta nel registratore di cassa.

Formato:

<BEL>

<BEL> = 0x07

6.5 Procedura di connessione/riconnessione.

A secondo del metodo di iniziativa di comunicazione, esistono 2 sistemi di connessione:

- 1 Il Computer decide di instaurare la comunicazione (metodo di default) .
- 2 La cassa invia a frequenza stabilita il messaggio di Hello.

Caso di richiesta di connessione su comando ricevuto da computer.

Esempio di flusso del colloquio:

Computer	Flusso	Registratore di cassa
Il Computer invia messaggio di Richiesta di Hello message alla registratore di cassa “DC1” .	→	
	←	Registratore di cassa invia il messaggio di Hello.
*Il Computer interpreta lo stato (paragrafo. 8.1) del registratore di cassa e se congruente invia comandi di seguito alla risposta al messaggio di Hello.	→	
	←	Registratore di cassa processa ed esegue il comando ed invia il messaggio “ACK” o “NAK” .

*I messaggi devono essere correttamente protocollati vedi APPENDICE A.

Richiesta di riconnessione su comando ricevuto da computer.

Se il “Livello trasmissione File Storico” è stato programmato ad 1 (ved. programmazioni n. 930 e n. 911 manuale operativo), il collegamento deve essere ristabilito mediante un’apposita procedura di riconnessione.

La stessa procedura viene anche utilizzata al momento della prima accensione del registratore di cassa collegato a computer.

Esempio di flusso del colloquio per procedura di riconnessione:

Computer	Flusso	Registratore di cassa						
Computer invia messaggio di Richiesta di Hello message alla registratore di cassa “DC1”	→							
	←	Registratore di cassa invia Hello message richiesto con la richiesta di riconnessione attivata						
*Computer interpreta lo stato ed invia una risposta valida al registratore di cassa. Eventuali campi comando aggiunti al campo di default della prima risposta valida vengono ignorati.	→							
	←	Il registratore di cassa, pur mantenendo disabilitata ogni altra comunicazione, invia una richiesta di riallineamento (B90) al computer..						
Del file storico contenuto nel registratore di cassa il computer può richiedere: * ¹ La situazione esatta dei dati correttamente salvati sul computer stesso. * ² Tutto il file storico posseduto dal registratore di cassa. * ³ Il file storico dal punto in cui si trovano i puntatori del registratore di cassa.	→							
	←	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">INVIO FILE STORICO AUTOMATICO</td> <td style="width: 50%;">INVIO FILE STORICO SU COMANDO RICEVUTO DA COMPUTER</td> </tr> <tr> <td>Solo a questo punto il registratore di cassa avvia tutte le procedure di comunicazione previste.</td> <td>Il computer invia al registratore di cassa una richiesta di invio storico</td> </tr> <tr> <td></td> <td>Il registratore di cassa avvia tutte le procedure di comunicazione previste.</td> </tr> </table>	INVIO FILE STORICO AUTOMATICO	INVIO FILE STORICO SU COMANDO RICEVUTO DA COMPUTER	Solo a questo punto il registratore di cassa avvia tutte le procedure di comunicazione previste.	Il computer invia al registratore di cassa una richiesta di invio storico		Il registratore di cassa avvia tutte le procedure di comunicazione previste.
INVIO FILE STORICO AUTOMATICO	INVIO FILE STORICO SU COMANDO RICEVUTO DA COMPUTER							
Solo a questo punto il registratore di cassa avvia tutte le procedure di comunicazione previste.	Il computer invia al registratore di cassa una richiesta di invio storico							
	Il registratore di cassa avvia tutte le procedure di comunicazione previste.							

Notare che tale meccanismo garantisce l'allineamento dello storico delle attività tra registratore di cassa e computer, grazie anche al buffer previsto sul registratore di cassa stesso (“file storico”).

*I messaggi devono essere correttamente protocollati vedi APPENDICE A.

¹ Srtinga da inserire nel campo comandi : INDI:PG

² Srtinga da inserire nel campo comandi : ****:**

³ Srtinga da inserire nel campo comandi : XXXX:XX

Richiesta di riconnessione in caso di Hello continuo.

Da quanto precedentemente descritto, nel funzionamento normale vi è una continua serie di interrogazioni da registratore di cassa verso computer, originate da richieste di dati, o da registrazione di dati, o da Hello message.

Mediante la programmazione n.910 (ved. manuale operativo) è possibile scegliere diversi livelli di interattività tra il registratore di cassa ed il computer:

- livello 0 – nessuna interattività (registratore di cassa non collegato)
- livello 1 – il registratore di cassa trasmette al computer solo i record del file storico
- livello 2 – il registratore di cassa trasmette al computer i record del file storico ed interagisce per la ricerca dei PLU, dei clienti e per le operazioni controllate dai tasti funzioni varie (F0) (F.) (F9)
- livello 3 – oltre a quanto indicato per il livello 2, il registratore di cassa interagisce con il computer anche per tutte le funzioni usate localmente

Se il registratore di cassa ritiene il computer scollegato (ad esempio perché non riceve risposta ad un messaggio) ed il livello di interattività è stato programmato ad 1 oppure a 2 (ved. programmazione n. 910 manuale operativo), il collegamento deve essere ristabilito mediante un'apposita procedura di riconnessione.

La procedura di riconnessione ed il successivo invio dei record del file storico possono avvenire in modo automatico o su comando ricevuto da computer, secondo le opzioni scelte nella programmazione n.911 (ved. manuale operativo).

La stessa procedura viene anche utilizzata al momento della prima accensione del registratore di cassa collegato a computer.

Computer	Flusso	Registratore di cassa	
	←	Il registratore di cassa continua ad inviare Hello message, segnalando con un bit di stato la situazione di riconnessione in corso; nel frattempo esclude qualunque altra comunicazione.	
Il computer viene considerato in linea nel momento in cui invia una risposta valida ad un Hello message. Eventuali campi comando aggiunti al campo di default della prima risposta valida vengono ignorati.	→		
	←	Il registratore di cassa, pur mantenendo disabilitata ogni altra comunicazione, invia una richiesta di riallineamento (B90) al computer.	
Il computer invia in risposta la situazione esatta dei dati correttamente salvati sul computer stesso (situazione file storico attività).	→		
	←	INVIO FILE STORICO AUTOMATICO	INVIO FILE STORICO SU COMANDO RICEVUTO DA COMPUTER
		Solo a questo punto il registratore di cassa avvia tutte le procedure di comunicazione previste.	Il computer invia al registratore di cassa una richiesta di invio storico
			Il registratore di cassa avvia tutte le procedure di comunicazione previste.

Notare che tale meccanismo garantisce l'allineamento dello storico delle attività tra registratore di cassa e computer, grazie anche al buffer previsto sul registratore di cassa stesso ("file storico").

Con livello di interattività 3 (funzionamento in configurazione Slave) la procedura di riallineamento (B90) non viene eseguita dalla cassa ed è possibile appendere dei campi comando anche alla prima risposta valida ad un Hello message di riconnessione.

7. FLUSSO DEL COLLOQUIO SU RS-485

Il protocollo prevede che la sincronizzazione della comunicazione tra i vari registratori di cassa collegati ed il computer venga effettuata sempre da quest'ultimo.

Il computer invia sulla linea un messaggio di scansione, chiamato **Enquiry**, il cui scopo è quello di distribuire equamente nel tempo la priorità di comunicazione a ciascun registratore di cassa.

A valle di questa sincronizzazione, esistono **quattro** tipi fondamentali di messaggi:

- messaggi da computer a singolo registratore di cassa
- messaggi Broadcast, da computer a tutti i registratori di cassa contemporaneamente
- messaggi da registratore di cassa a computer, sincronizzati da **Enquiry**, che non richiedono risposta da parte del computer
- messaggi da registratore di cassa a computer, sincronizzati da **Enquiry**, interattivi, che richiedono risposta da parte del computer.

7.1 Messaggi da computer a singolo registratore di cassa

Sono messaggi non protocollati e inviati direttamente dal computer al singolo registratore di cassa interessato.

- **Messaggio ACK**

Il computer risponde con questo messaggio ad un messaggio inviato dal registratore di cassa che è stato ricevuto correttamente.

Formato:

<ACK>	<ADD>	<ADD>
-------	-------	-------

<ACK> = 0x06

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF

- **Messaggio NAK**

Il computer risponde con questo messaggio ad un messaggio inviato dal registratore di cassa che non è stato ricevuto correttamente.

Formato:

<NAK>	<ADD>	<ADD>
-------	-------	-------

<NAK> = 0x15

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF

- **Messaggio SYN**

Il computer invia questo messaggio al registratore di cassa per reinizializzare il timeout, nel caso in cui non possa trasmettere messaggi di risposta nei tempi prestabiliti.

Formato:

<SYN>	<ADD>	<ADD>
-------	-------	-------

<SYN> = 0x16

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF

- **Messaggio di Enquiry**

Effettua la sincronizzazione della comunicazione sulla linea, inserendo nel messaggio l'indirizzo del registratore di cassa che per quella scansione avrà la massima priorità.

Se si rende necessaria una interattività veloce, il computer può anche inviare per più scansioni lo stesso indirizzo di cassa senza aspettare un giro completo di scansione di tutti i registratori di cassa in linea.

Formato:

<ENQ>	<ADD>	<ADD>
-------	-------	-------

<ENQ> = 0x5

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF

La sincronizzazione avviene nel modo descritto di seguito.

Normalmente tutti i registratori di cassa sono in ricezione ed ascoltano il messaggio di **Enquiry**, inviato dal computer con cadenza non inferiore a 3 ms.

I registratori di cassa che non ricevono il messaggio di **Enquiry** con il proprio indirizzo entro un tempo programmabile (10 secondi circa) e non rilevano traffico sulla linea, devono segnalare con un messaggio di errore la mancanza di collegamento con il computer.

Il computer a sua volta, nel caso in cui non possa trasmettere messaggi di risposta nei tempi prestabiliti, deve comunque inviare il messaggio **SYN** per evitare che i registratori di cassa ritengano il computer scollegato (ved. paragrafo 10).

- **Messaggio di Richiesta di Hello message**

Questo messaggio consente al computer di ricevere direttamente dal registratore di cassa indirizzato tutte le informazioni sullo stato del registratore di cassa stesso ("Hello message"). Il computer può inviare un messaggio di risposta articolato su vari "campi comando", che vengono interpretati ed eseguiti dal registratore di cassa.

Formato:

<DLE>	<ADD>	<ADD>
-------	-------	-------

<DLE> = 0x10

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF.

- **Messaggio di Richiesta di Hello message e invio immediato Rapporti e programmazioni locali**

Questo messaggio consente al computer di ricevere direttamente dal registratore di cassa indirizzato tutte le informazioni sullo stato del registratore di cassa stesso ("Hello message"). Il computer può inviare un messaggio di risposta articolato su vari "campi comando", che vengono interpretati ed eseguiti dal registratore di cassa.

Inoltre consente di ottenere l'invio immediato dei record relativi a Rapporti e Programmazioni locali disabilitandone l'inserimento nel file storico.

Formato:

<DC1>	<ADD>	<ADD>
-------	-------	-------

<DC1> = 0x11

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF.

NOTA: i messaggi di **Enquiry** e di **Richiesta di Hello message** vengono utilizzati contemporaneamente da tutti i registratori di cassa per rilevare lo stato di connessione a computer. Ad ogni scansione il computer può inviare un messaggio di **Enquiry** o di **Richiesta di Hello message** a seconda delle necessità.

Esempio di flusso del colloquio:

Computer	Flusso	Registratore di cassa
Scansione 1: computer invia messaggio di Richiesta di Hello message a cassa Ax	→	Registratore di cassa di indirizzo Ax interpreta comando
Scansione 2: computer invia messaggio di Enquiry con indirizzo cassa Ax o diverso	→	
	←	Registratore di cassa di indirizzo Ax, se abilitato a parlare dal messaggio di Enquiry , invia Hello message precedentemente richiesto
Computer interpreta stato e se congruente invia	→	

comandi di seguito alla risposta ad Hello message		
	←	Registratore di cassa di indirizzo Ax invia il messaggio ACK o il messaggio NAK (ved. paragrafo 7.3)
Scansione 3: computer invia messaggio di Richiesta di Hello message a cassa Ax per verificare che i comandi siano andati a buon fine	→	Registratore di cassa di indirizzo Ax interpreta comando
Scansione 4: computer invia messaggio di Enquiry con indirizzo cassa Ax o diverso	→	
	←	Registratore di cassa di indirizzo Ax, se abilitato a parlare dal messaggio di Enquiry , invia Hello message precedentemente richiesto
Computer interpreta stato e risponde	→	

7.2 Messaggi Broadcast

Sono messaggi inviati dal computer a tutti i registratori di cassa contemporaneamente.

- **Messaggio di Caricamento veloce PLU**

Questo messaggio consente al computer di inviare contemporaneamente a tutti i registratori di cassa presenti sulla linea record PLU non indirizzati.

Il formato del record PLU utilizzato per il caricamento veloce differisce dal formato del protocollo standard: non vengono usati alcuni caratteri di controllo ed il formato dei dati è a lunghezza fissa.

Esempio di flusso del colloquio:

<i>Computer</i>	<i>Flusso</i>	<i>Registratori di cassa</i>
Computer invia messaggio di Richiesta di Hello message a tutti i registratori di cassa	→	Registratori di cassa inviano a scansione il proprio Hello message
Computer blocca il funzionamento locale di ciascuna cassa	→	
Computer invia primo blocco di record PLU di formato particolare NON indirizzato	→	Registratori di cassa si limitano a ricevere senza rispondere nulla
Computer scandisce cassa per cassa richiedendo il numero di PLU caricati	→	
	←	Registratori di cassa rispondono a scansione a computer
Se tutto ok, computer invia nuovo blocco PLU, altrimenti reinvia il corrente	→	Registratori di cassa si limitano a ricevere senza rispondere nulla
.....
Al termine computer invia messaggio di Richiesta di Hello message a tutti i registratori di cassa riabilitando il funzionamento locale	→	Registratori di cassa inviano a scansione il proprio Hello message

7.3 Messaggi da registratore di cassa a computer che non richiedono risposta da parte del computer

La comunicazione avviene in due fasi:

1. il registratore di cassa invia un messaggio, se abilitato a farlo
2. il computer dichiara di averlo ricevuto correttamente.

La risposta del computer deve intendersi in questo caso non come semplice dichiarazione di messaggio ricevuto, ma anche di servizio eseguito.

Può comunque accadere che un servizio dichiarato eseguito non vada in realtà a buon fine (ad esempio: registrazione di attività di cassa su computer con perdita dei dati per effetto di errore di disco, caduta di tensione o altro). Per proteggersi da tali evenienze il protocollo prevede dei meccanismi di segnalazione errore e riallineamento.

- **Messaggio ACK**

Il registratore di cassa risponde con questo messaggio ad un messaggio inviato dal computer che è stato ricevuto correttamente.

Formato:

<ACK>	<ADD>	<ADD>
-------	-------	-------

<ACK> = 0x06

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF

- **Messaggio NAK**

Il registratore di cassa risponde con questo messaggio ad un messaggio inviato dal computer che non è stato ricevuto correttamente.

Formato:

<NAK>	<ADD>	<ADD>
-------	-------	-------

<NAK> = 0x15

<ADD> = indirizzo del registratore di cassa scandito, da 0xA0 a 0xAF

7.4 Messaggi da registratore di cassa a computer interattivi

In questo caso la comunicazione si articola su tre fasi:

1. il registratore di cassa invia un messaggio, se abilitato a farlo
2. il computer elabora ed invia la risposta
3. il registratore di cassa dichiara di aver ricevuto la risposta.

8. MESSAGGI PREVISTI

Tutti i messaggi rispettano alcune regole comuni:

- i vari campi dei messaggi possono avere lunghezza variabile e sono separati da due punti (:)
- il significato di ogni campo è posizionale, nel senso che i campi non possono essere cambiati di sequenza
- su vari messaggi possono essere introdotti dei campi opzionali; questi vengono posizionati in coda a quelli fissi, separati da punto e virgola (;), e sono identificati da un carattere di flag che ne indica univocamente il contenuto
- eventuali cifre decimali sono precedute dal separatore virgola (,)
- i record di attività sono ulteriormente suddivisi in sottocampi, separati da due punti (:).

Tutti i messaggi previsti possono essere raggruppati in **tre** categorie:

- il registratore di cassa invia il suo stato al computer (messaggi Axx)
- il registratore di cassa richiede dei dati al computer (messaggi Bxx)
- il registratore di cassa registra dei dati sul computer (messaggi Cxx).

8.1 Il registratore di cassa invia il suo stato al computer

- **A01 HELLO MESSAGE**

L'Hello message comprende una serie di bytes di stato che indicano la posizione operativa del registratore di cassa, eventuali codici di errore, ecc.

Dopo aver inviato un Hello message il registratore di cassa attende una risposta dal computer: lo stato operativo del registratore di cassa non può cambiare durante il periodo di attesa della risposta del computer, nel senso che in tale periodo ogni operazione locale che potrebbe portare alla modificazione dello stato è bloccata.

L'Hello message è estremamente importante in quanto consente al computer non solo di avere costantemente informazione sullo stato di attività del registratore di cassa, ma anche di avviare delle attività sul registratore di cassa stesso. Infatti quando riceve un Hello message, il computer può inviare un messaggio di risposta articolato su vari "campi comando", che vengono interpretati ed eseguiti dal registratore di cassa, fatta eccezione in alcuni casi per il primo Hello message di riconnessione (ved. paragrafo 6).

Su RS-232, l'Hello message viene richiesto dal computer per iniziare un ciclo di interazione PC - CASSA, o inviato dal registratore di cassa per verificare la presenza del computer, con frequenza programmabile (ved. programmazione n.922 manuale operativo).

Su RS-485, l'Hello message viene inviato dal registratore di cassa indirizzato dal messaggio di **Enquiry** con frequenza programmabile (ved. programmazione n.922 manuale operativo), oppure su richiesta del computer (messaggio di **Richiesta di Hello message**).

Nel caso si scelga il metodo di trasmissione "Hello Continuo" la frequenza degli Hello message condiziona il tempo necessario al computer per inviare un comando al registratore di cassa; peraltro la continua trasmissione di Hello message appesantisce il protocollo. È quindi necessario scegliere un valore di compromesso tra tempi di attesa e prestazioni, tenendo conto dei seguenti fattori:

- se l'Hello message è molto frequente

- il computer può acquisire rapidamente il controllo del registratore di cassa
- il registratore di cassa si accorge rapidamente se il computer viene collegato o scollegato e la gestione degli errori è più efficiente
- il protocollo è più pesante
- il computer è più impegnato a rispondere ai continui Hello message

- se l'Hello message è poco frequente

- il computer deve aspettare un tempo maggiore per acquisire il controllo del registratore di cassa
- la gestione degli errori di collegamento è meno efficiente
- il protocollo è più snello
- il computer è più libero

Sono previsti tre diversi livelli per la frequenza degli Hello message:

- HELLO NORMAL quando il registratore di cassa è collegato al computer
- HELLO FAST se il registratore di cassa è disattivato al funzionamento locale
- HELLO SLOW se il computer è scollegato.

Per ognuno di questi livelli è possibile impostare un tempo in secondi (ved. programmazione n.922 manuale operativo); se si imposta il valore 999 (HELLO INFINITO), il registratore di cassa non invia l'Hello message ma si predispose a ricevere i comandi da parte del computer.

La frequenza degli Hello message è automaticamente modificata dal registratore di cassa in due occasioni:

- se il registratore di cassa è disattivato al funzionamento locale, la frequenza degli Hello message è aumentata (HELLO FAST)
- se il registratore di cassa ritiene il computer scollegato, la frequenza degli Hello message viene abbassata (HELLO SLOW)

8.2 Il registratore di cassa richiede dei dati al computer

Sono operazioni interattive, alle quali il computer deve dare una risposta immediata. Si dividono in 4 sottogruppi:

- il sottogruppo **B0x** contiene quelle interattività indispensabili per lo svolgimento della vendita, quali la ricerca sul computer dei dati relativi a PLU/offerte o clienti, ecc.;
- il sottogruppo **da B5x a B8x** viene utilizzato per il caricamento delle programmazioni;
- il sottogruppo **B9x** viene utilizzato per la richiesta di stato al computer e l'allineamento degli archivi registratore di cassa/computer;
- infine le altre interattività (sottogruppo **da B10 a B45**) sono utilizzate per informare in tempo reale il computer del flusso degli accadimenti di cassa.

Al fine di alleggerire il protocollo, le interattività possono essere escluse totalmente o selettivamente mediante programmazione del registratore di cassa (ved. programmazione n.910 manuale operativo).

In risposta a tutte le interattività il registratore di cassa può accettare, oltre ai dati previsti dalla risposta, dei "campi comando" così come già avviene per l'Hello message: tale possibilità rende estremamente flessibile e potente il protocollo.

8.3 Il registratore di cassa invia dei dati al computer

Tutti i dati che il registratore di cassa deve inviare al computer vengono bufferizzati nella memoria RAM del registratore di cassa in un'area detta "file storico", e trasmessi in tempo differito a seconda del traffico di linea; in particolare, i dati vengono salvati in tale file anche se il computer è scollegato e quindi recuperati alla riconnessione mediante una procedura specifica più avanti descritta (ved. paragrafo 6).

Tale meccanismo assicura la totale integrità dei trasferimenti tra registratore di cassa e computer, e garantisce la priorità ai messaggi interattivi che, per loro natura, richiedono un servizio più rapido; da ciò deriva la non sincronicità tra le richieste interattive e il trasferimento degli eventuali record di attività da queste generati (ad esempio: ad una richiesta interattiva di ricerca PLU segue la vendita del PLU stesso, che genera un record di attività nel file storico del registratore di cassa; tale record può essere trasferito al computer in un secondo tempo).

Oltre ai dati del file storico il registratore di cassa può inviare al computer i dati relativi a vari rapporti statistici e gestionali e tutti i dati delle programmazioni locali (per maggiori dettagli su rapporti statistici e gestionali e sulle programmazioni locali, ved. manuale operativo). Questi dati vengono trasmessi in seguito a un comando di **richiesta rapporti** o di **richiesta programmazioni locali** da parte del computer, seguendo lo stesso meccanismo di bufferizzazione e trasmissione usato per lo storico delle attività, al quale sono pertanto assimilati.

Mediante programmazione del registratore di cassa (ved. programmazione n.930 manuale operativo) è possibile bloccare l'accumulo dei record di attività nel file storico, qualora non ne sia richiesta la postelaborazione.

9. CAMPI COMANDO PREVISTI

L'applicabilità dei singoli campi comando dipende dal contesto operativo e dalla specifica interattività in corso.

Il buffer disponibile sul registratore di cassa per la coda dei campi comando è limitato a 200 caratteri.

L'effettiva avvenuta esecuzione dei vari comandi DEVE essere controllata tramite lo stato macchina presente nell'Hello message. Si consiglia di forzare l'invio di un Hello message come ultimo comando di una serie in modo da conoscere immediatamente quando il registratore di cassa ha ultimato l'esecuzione e se l'operazione è andata a buon fine o meno.

Tutti i campi comando previsti possono essere raggruppati in cinque categorie:

- **comandi vari**
- **comandi esecutivi:** il computer avvia operazioni sul registratore di cassa
- **comandi di interattività:** il computer avvia una richiesta di dati di programmazione da parte del registratore di cassa, causando l'invio di messaggi interattivi del tipo Bxx
- **comandi di richiesta rapporti:** il computer richiede al registratore di cassa l'invio di rapporti, causando l'invio di messaggi del tipo Cxx
- **comandi di richiesta programmazioni locali:** il computer richiede al registratore di cassa l'invio di dati di programmazione, causando l'invio di messaggi del tipo Cxx
- **comandi di azzeramento:** il computer avvia operazioni di chiusura fiscale e azzeramenti periodici sul registratore di cassa

10. PROCEDURA DI MESSA IN ATTESA DI UNA CASSA

Il registratore di cassa nel momento in cui invia una richiesta a computer innesca un timeout programmabile (ved. programmazione n. 921 manuale operativo) sulla risposta. Se questa non arriva in tempo utile, il registratore di cassa ritiene il computer scollegato. È possibile reinizializzare il timeout, prima dello scadere, inviando al registratore di cassa il messaggio SYN.

11. NOTE PRATICHE SULL'UTILIZZO IN CONFIGURAZIONE SLAVE

Come già accennato al paragrafo 4, il protocollo permettere di realizzare sia configurazioni Master (nelle quali il registratore di cassa è disponibile per il funzionamento locale, pilotato mediante tastiera, e dialoga interattivamente con il computer) sia configurazioni Slave (nelle quali il registratore di cassa è disponibile solo per il funzionamento remoto ed è completamente asservito al computer).

Se si intende riservare il registratore di cassa a funzionamento remoto (configurazione Slave) si deve bloccare il funzionamento locale e riabilitarlo solo al termine del servizio eseguito in configurazione Slave.

La sequenza di comandi per il funzionamento in configurazione Slave prevede:

- l'acquisizione del controllo del registratore di cassa da parte del computer
- l'utilizzo del registratore di cassa sotto il controllo del computer
- il rilascio del controllo del registratore di cassa da parte del computer.
- ***Acquisizione e rilascio del controllo del registratore di cassa da parte del computer***

L'acquisizione del controllo del registratore di cassa da parte del computer viene effettuata inviando un campo comando *1 (blocco cassa dopo conclusione interattività in corso) o *2 (blocco cassa dopo conclusione operazione in corso) in risposta ad un Hello message.

Caso di Hello continuo

Il registratore di cassa è disattivato al funzionamento locale la frequenza degli Hello message è automaticamente aumentata: viene utilizzata la frequenza HELLO FAST, se programmata.

Il rilascio del controllo del registratore di cassa da parte del computer viene effettuato inviando un campo comando *3 (sospende blocco cassa) in risposta ad un Hello message.

- ***Utilizzo del registratore di cassa sotto il controllo del computer***

Una volta acquisito il controllo del registratore di cassa, il computer può inviare sequenze di campi comando. Tali campi vengono trasmessi in risposta agli Hello message del registratore di cassa.

Ogni invio del computer può comprendere vari campi comando, con l'unica limitazione della massima lunghezza record che è pari a 200 caratteri.

In pratica:

Casi di Hello a Richiesta.

- Il computer richiede un Hello message
- il registratore di cassa risponde con il messaggio di Hello
- il computer risponde con una sequenza di campi comando
- a questo punto il registratore di cassa esegue tutti i campi comando ricevuti
- al termine, il registratore di cassa risponde con il carattere che descrive l'esito del comando.

Caso con Hello continuo

- il registratore di cassa invia un Hello message
- il computer risponde con una sequenza di campi comando
- a questo punto il registratore di cassa esegue tutti i campi comando ricevuti
- al termine, il registratore di cassa riprende l'invio degli Hello message, segnalando con i consueti flags un eventuale errore
- il computer riceve l'Hello message e può riprendere la sequenza con eventuali altri campi comando.

Si noti che se i comandi inviati al registratore di cassa prevedono delle interattività (esempio: vendita di un PLU) e che il registratore di cassa è programmato per inoltrare le interattività (ved. programmazione n. 910 manuale operativo), il flusso dati di cui sopra viene complicato dallo scambio di tali interattività, originate dal registratore di cassa ed alle quali il computer deve rispondere. Lo stesso vale per la registrazione di dati nel file storico, a meno che non sia inibita dalla programmazione del registratore di cassa (ved. programmazione n. 930 manuale operativo).

11.1 Simulazione tastiera in configurazione Slave

Tra i campi comando che il computer può inviare, il più utilizzato per il funzionamento remoto è senz'altro quello di simulazione di tastiera (#S). A questo campo comando vengono accodati uno o più codici, ognuno dei quali corrisponde alla esecuzione di una funzione del registratore di cassa, come se fosse stato premuto il corrispondente tasto in tastiera. Ogni codice è formato da un numero di 1, 2 o 3 cifre, e tutti i codici sono separati da due punti (:).

AVVERTENZA: se nella sequenza di codici che seguono il campo comando #S compare una funzione che attiva la tastiera alfanumerica (ad esempio la funzione $\overline{\text{ALFA}}$ oppure la funzione $\overline{\text{VARIA PREZZO}}$ nel caso di gestione dei codici PLU alfanumerici attiva), i codici successivi devono essere i codici ASCII che corrispondono ai caratteri della tastiera alfanumerica. Questo vincolo permane fino alla disabilitazione della tastiera alfanumerica stessa, che si ottiene mediante il carattere (carriage return) – codice ASCII 13.

In sostanza il computer si sostituisce alla tastiera e può chiedere alla macchina di eseguire le stesse cose che l'operatore potrebbe eseguire direttamente, compresa la pressione del tasto $\overline{\text{ENTER}}$ con conseguente variazione dell'assetto operativo ed ogni altra funzione.

Tale modalità può naturalmente portare il registratore di cassa negli stessi stati di errore che si possono originare da tastiera (errori di sequenza, incongruenza dei dati, ecc.) e quindi il computer deve controllare continuamente lo stato della macchina verificando la posizione operativa e la condizione di funzionamento.

Il controllo viene effettuato attraverso i bytes di stato inviati negli Hello message che indicano la posizione operativa del registratore di cassa, eventuali codici di errore, ecc.

Il computer può conoscere il momento in cui il registratore di cassa completa l'esecuzione della sequenza di comandi, accodando alla sequenza stessa un ulteriore comando di "invio immediato di Hello message", secondo il seguente schema:

Caso di Hello a Richiesta

- Il computer invia la richiesta di Hello message
- il registratore di cassa invia un Hello message
- il computer accoda alla risposta la sequenza di comandi: #Sccc:ccc:ccc:ccc:ccc:ccc;#A (con ccc numero variabile di codici funzione, fino ad un massimo di 50 codici per ogni invio)
- se la sequenza di comandi prevede interattività, queste vengono regolarmente eseguite
- al termine, il registratore di cassa risponde con il carattere che descrive l'esito del comando.

Caso di Hello Continuo.

- il registratore di cassa invia un Hello message
- il computer accoda alla risposta la sequenza di comandi: #Sccc:ccc:ccc:ccc:ccc:ccc;#A (con ccc numero variabile di codici funzione, fino ad un massimo di 50 codici per ogni invio)
- se la sequenza di comandi prevede interattività, queste vengono regolarmente eseguite
- al completamento, il registratore di cassa invia un Hello message
- il computer riceve l'Hello message e può riprendere la sequenza con eventuali altri campi comando.

Il protocollo mette a disposizione una modalità semplificata di configurazione Slave, questa modalità è descritta nell'APPENDICE B.

APPENDICE A - TRACCIATI RECORD

Tutti i messaggi, escluso i messaggi **ACK**, **NAK**, **SYN**, di **Enquiry** e di **Richiesta di Hello message** (ved. paragrafo 7), devono essere protocollati nel modo sotto indicato. Il corpo del messaggio è costituito esclusivamente da caratteri ASCII ed assume formati diversi per ogni funzione.

In alcuni messaggi indicati, ai campi fissi possono essere aggiunti dei campi comando opzionali. Tali campi vanno accodati alla parte fissa del corpo messaggio separati da dei punto e virgola (;).

Di seguito è fornita una descrizione dettagliata dei tracciati record di ogni funzione. Per ognuna di esse vengono espressamente indicate eventuali eccezioni e limitazioni sui campi opzionali.

Tenere presente che gli importi possono assumere anche valori negativi (es. ammontare di un reso). In tal caso sono preceduti dal carattere ASCII '-'.

- FORMATO DEI MESSAGGI DI COMUNICAZIONE SU LINEA SERIALE DI TIPO RS-232

Ogni messaggio del protocollo è composto da **otto** campi così suddivisi :

| PREAMBOLO | L.RECORD | N.SEQUENZA | N.CASSA | CORPO | POSTAMBOLO | PARITÀ | TERMINATORE |

PREAMBOLO: 1 byte 04H (EOT)

LUNGHEZZA RECORD: 1 byte calcolato come numero totale di bytes + 28H.

NUMERO DI SEQUENZA: 1 byte che viene incrementato ad ogni messaggio all'interno dei limiti 20H ... 7FH (inclusi). Il messaggio di risposta, quando previsto, deve recare lo stesso numero di sequenza di quello di interrogazione per essere valido.

NUMERO CASSA: 1 byte indicante il numero della cassa + 20H.

CORPO DEL MESSAGGIO: numero variabile di bytes contenenti il comando o i dati come descritto in seguito.

POSTAMBOLO: 1 byte 02H (STX)

PARITÀ ORIZZONTALE: 1 byte ottenuto con le seguenti operazioni :

- XOR logico (bit per bit) di tutti i bytes del record dal preambolo incluso al postambolo incluso;
- azzeramento del bit più significativo del risultato dello XOR;
- somma di 28H al risultato dello XOR.

TERMINATORE: 1 byte 03H (ETX)

- FORMATO DEI MESSAGGI DI COMUNICAZIONE SU LINEA SERIALE DI TIPO RS-485

Ogni messaggio del protocollo è composto da **nove** campi così suddivisi :

| PREAMBOLO | IND.CASSA | L.RECORD | N.SEQUENZA | N.CASSA | CORPO | POSTAMBOLO | PARITÀ | TERMINATORE |

PREAMBOLO: 1 byte 04H (EOT)

INDIRIZZO CASSA: 1 byte indicante l'indirizzo della cassa: da 0xA0 a 0xAF (per un massimo di 16 casse)

LUNGHEZZA RECORD: 1 byte calcolato come numero totale di bytes + 28H.

NUMERO DI SEQUENZA: 1 byte che viene incrementato ad ogni messaggio all'interno dei limiti 20H ... 7FH (inclusi). Il messaggio di risposta, quando previsto, deve recare lo stesso numero di sequenza di quello di interrogazione per essere valido.

NUMERO CASSA: 1 byte indicante il numero della cassa + 20H.

CORPO DEL MESSAGGIO: numero variabile di bytes contenenti il comando o i dati come descritto in seguito.

POSTAMBOLO: 1 byte 02H (STX)

PARITÀ ORIZZONTALE: 1 byte ottenuto con le seguenti operazioni :

- XOR logico (bit per bit) di tutti i bytes del record dal preambolo incluso al postambolo incluso;
- azzeramento del bit più significativo del risultato dello XOR;
- somma di 28H al risultato dello XOR.

TERMINATORE: 1 byte 03H (ETX)

APPENDICE B – PROTOCOLLO SEMPLIFICATO (ASSETTO REMOTE)

B.1 Assetto Remote

Il protocollo di comunicazione semplificato può essere utilizzato quando il registratore di cassa è in un particolare assetto operativo: l'assetto 'REMOTE'.

In assetto 'REMOTE':

- tutte le funzioni presenti sulla tastiera del registratore di cassa sono disabilitate, fatta eccezione per le funzioni: Chiave, Correzione e Tasto numerico 1;
- il livello di interattività è 2;
- il livello di trasmissione del file storico è 0.

Abilitazione dell'assetto REMOTE

Per poter accedere all'assetto REMOTE è necessario dapprima abilitarlo, eseguendo la programmazione n.911 ed impostando ad 1 il primo flag del secondo livello di flags (ved. manuale operativo).

Accesso all'assetto REMOTE

1. Porre la cassa in assetto Registrazione, a scontrino chiuso
2. Digitare il codice $\langle 1 \rangle \langle 1 \rangle \langle 1 \rangle$
3. Premere il tasto "CHIAVE".

Uscita dall'assetto REMOTE

1. Digitare il codice $\langle 1 \rangle \langle 1 \rangle \langle 1 \rangle$
2. Premere il tasto "CHIAVE".

AVVERTENZA: se viene a mancare il collegamento tra cassa e computer quando la cassa è in assetto REMOTE, è sempre possibile uscire dall'assetto REMOTE mediante la procedura sopra descritta e tornare al funzionamento locale. In questo modo si potranno portare a termine le operazioni eventualmente in corso, ad esempio continuare ed ultimare una vendita, ecc.

IL BUFFER DISPONIBILE SUL REGISTRATORE DI CASSA PER LA GESTIONE DELLA CODA CAMPI COMANDO IN QUESTA MODALITÀ È LIMITATO A CIRCA 90 CARATTERI (*).

SI CONSIGLIA DI INVIARE UNA RIGA COMANDO PER VOLTA IN MODO DA ESSERE CERTI CHE TUTTE LE TRANSAZIONI INViate SIANO ESEGUITE CORRETTAMENTE.

IN QUESTA MODALITÀ LA CASSA ACCETTA ANCHE I COMANDI DEL PROTOCOLLO NORMALE E LA DIMENSIONE DEL BUFFER CODA CAMPI COMANDO È DI 200 CARATTERI (*).

(*) CARATTERI DI CONTROLLO PROTOCOLLO COMPRESI.

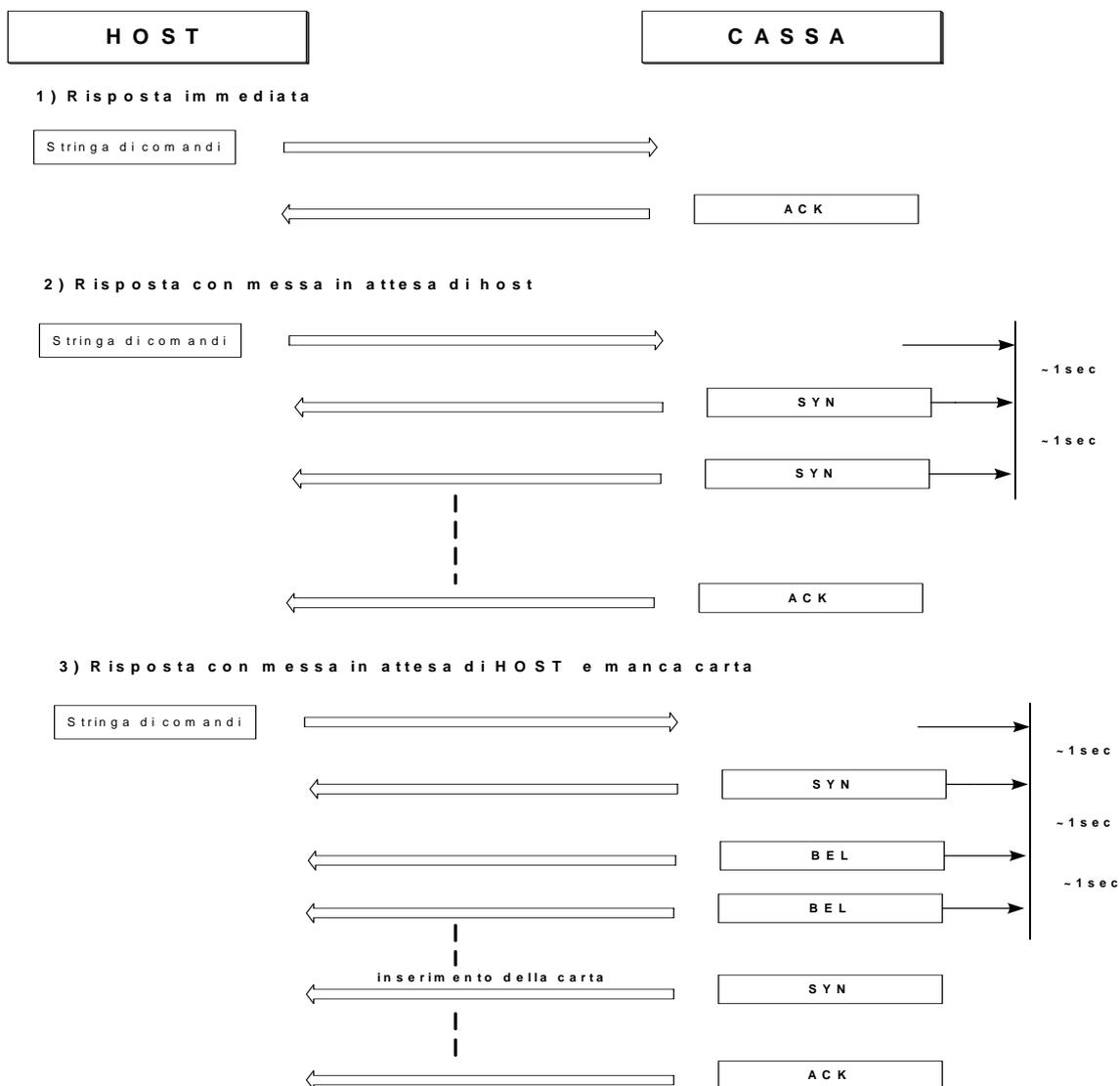
B.2 Flusso del colloquio

Il protocollo semplificato prevede che l'iniziativa della comunicazione venga presa sempre dal computer. La cassa rimane in attesa di uno o più comandi dalla linea di comunicazione.

Ogni record inviato prevede una risposta:

- **ACK** [0x6] se la stringa è stata ricevuta ed eseguita correttamente
- **SYN** [0x16] se la stringa è stata ricevuta correttamente ed è in via di esecuzione; viene inviato ciclicamente dalla cassa con un periodo di circa 1 sec. per informare host dell'esecuzione in corso
- **BEL** [0x7] se durante l'esecuzione di una stringa comandi manca la carta; viene inviato ciclicamente dalla cassa con un periodo di circa 1 sec. per informare host della mancanza carta nella cassa
- **NAK** [0x15] se ricevuta con errore di protocollo.
- **CAN** [0x18] se non eseguita o non eseguita completamente; in questo caso può essere di aiuto conoscere i dettagli della mancata esecuzione: questo è possibile richiedendo un record di HELLO [DLE].

Modalità di risposta della cassa



B.3 Tracciati record

Tutti i messaggi possono essere protocollati nel modo sotto indicato. Il corpo del messaggio è costituito esclusivamente da caratteri ASCII ed assume formati diversi per ogni funzione. Di seguito è fornita una descrizione dettagliata dei tracciati record di ogni funzione. Per ognuna di esse vengono espressamente indicate eventuali eccezioni e limitazioni sui campi opzionali.

- **FORMATO DEI MESSAGGI DI COMUNICAZIONE**

- **Invio comandi da host a cassa**

EOT	LEN	SEQ	N. CASSA	CORPO	Messaggio	STX	CRC	ETX
------------	------------	------------	-----------------	--------------	------------------	------------	------------	------------

- **Invio risposta da cassa ad host**

- Risposta con invio dati da parte della cassa:

EOT	LEN	SEQ	N. CASSA	CORPO	Messaggio	STX	CRC	ETX
------------	------------	------------	-----------------	--------------	------------------	------------	------------	------------

- Altre risposte immediate formate da un solo carattere (ved. Paragrafo D.2):

ACK	SYN	BEL	NAK	CAN
------------	------------	------------	------------	------------

EOT: 1 byte 04H

LEN: 1 byte calcolato come numero totale di bytes + 28H

SEQ: 1 byte che viene incrementato ad ogni messaggio all'interno dei limiti 20H ... 7FH (inclusi). Il messaggio di risposta, quando previsto, deve recare lo stesso numero di sequenza di quello di interrogazione per essere valido

N. CASSA: 1 byte indicante il numero della cassa + 20H

CORPO Messaggio: numero variabile di bytes contenenti il comando o i dati come descritto in seguito.

STX: 1 byte 02H

CRC: 1 byte ottenuto con le seguenti operazioni :

- XOR logico (bit per bit) di tutti i bytes del record dal preambolo incluso al postambolo incluso;
- azzeramento del bit più significativo del risultato dello XOR;
- somma di 28H al risultato dello XOR.

ETX: 1 byte 03H

B.4 Nuovi campi comando

Comando	Descrizione
% S	Simulazione funzionale

Simulazione funzionale

Consente di inviare delle stringhe di comando composte da macro-comandi di semplice interpretazione slegati dai veri codici funzionali della cassa, peraltro usabili tramite il comando #S. La sequenza eseguita dalla cassa è la stessa che la cassa stessa eseguirebbe se le funzioni fossero impostate da tastiera. Tale modalità può naturalmente portare il registratore di cassa negli stessi stati di errore che si possono originare da tastiera (errori di sequenza, incongruenza dei dati, ecc.) e quindi il computer deve controllare lo stato della macchina verificando le condizioni di esecuzione. Il controllo viene effettuato richiedendo alla cassa lo stato contenuto nell' Hello message.

Comando	Descrizione	Esempio	Descrizione funzionale
!	Apri scontrino fiscale		
#	Cancellazione (tasto $\langle \text{E} \rangle$)		
\$-----\$	Descrizione	\$PANINO\$	PANINO = descrizione da utilizzare per successiva operazione
%	Richiedi informazioni sul conto in corso o ultimo emesso		
&	Apertura cassetto		
(	Apri scontrino/chiudi non fiscale		
@	Importo/prezzo	3000@	3000 = importo da utilizzare per successiva operazione
a	Stampa riga normale su scontrino e giornale	\$\$SALVE\$a	
b	Stampa riga compressa su scontrino e giornale	\$\$SALVE\$b	
c	Stampa riga su vidima	\$\$SALVE\$c	
d	Stampa riga normale solo su scontrino	\$\$SALVE\$d	
A	Annullo		
B	Reso		
C	Modalità di pagamento	5C	Modalità di pagamento 5
D	Ripresa saldo		
E	Cliente		
F	Funzione multipla		
G	Recupero crediti		
H	Avanzamento scontrino	6H	Esegui 6 LF (avanzamenti riga) scontrino
I	Codice Fiscale/Partita IVA	\$02184200125\$I	Integrazione scontrino con P.IVA 02184200125
J	Avanzamento giornale	4J	Esegui 4 LF (avanzamenti riga) giornale
K	Annullo scontrino	K	
L	Listino	1L	Imposta il listino 1 per PLU/reparti
M	Modalità di sconto/maggiorazione	6M	Utilizzo della modalità di sconto/maggiorazione 6
N	Cameriere		
O	Operatore	\$999\$O	
P	PLU con codice alfanumerico	\$ABC\$P	Richiama codice PLU locale "ABC"
P	PLU con codice numerico	123P	Richiama codice PLU locale "123"
Q	Subtotale		
R	Reparto	22R	Registra su reparto 22
S	Storno		
T	Tavolo	0101T	Apre tavolo 01 con cameriere 01
T	Chiude tavolo aperto	0T	
U	Reso Merce		
V	Valuta	2V	Esegue cambio valuta con valuta 2
W	Riepilogo tavolo		
X	Moltiplicatore	8X	8=quantità per successiva operazione
Y	Entrata di cassa		

Comando	Descrizione	Esempio	Descrizione funzionale
Z	Uscita di cassa		
[	Fattura		
\	Ricevuta		
]	Fattura differita		
/	Divisione		

Dettagli su alcuni comandi funzionali

- **Apri scontrino fiscale**

!

Inizia una transazione fiscale eseguendo le operatività previste ed entrando nello stato di scontrino fiscale aperto. La chiusura dello scontrino viene effettuata automaticamente all'esaurirsi del totale scontrino con l'eventuale calcolo del resto.

- **Apri scontrino/chiudi non fiscale**

(

Nel caso di scontrino chiuso inizia una transazione NON fiscale eseguendo le operatività previste ed entrando nello stato di scontrino NON fiscale aperto.

Nel caso di scontrino aperto termina una transazione NON FISCALE aperta.

- **Richiedi informazioni sul conto in corso o ultimo emesso**

%

La cassa risponde con il seguente record protocollato:

Dxx:SBT:NITEM:NSCF:PKEY:ERRC:SSCO

dove:

Dxx

tipo record.

SBT

subtotale dello scontrino fiscale in corso.

NITEM

numero di pezzi venduti nello scontrino fiscale in corso.

NSCF

numero dello scontrino fiscale in corso.

PKEY

assetto operativo (secondo il formato già utilizzato nel messaggio di hello).

ERRC

codice di errore sul comando ([vedi lista](#)).

SSCO

stato scontrino (0=chiuso, 1=aperto fiscale, 2=aperto non fiscale).

Lista dei codici di errore ritornati nel campo ERRC

Errori Generici

- 001 Comunicazione PC
- 002 Assetto Remote
- 003 Assetto Ela
- 004 Generico
- 005 Stampante

Errori in Registrazione

PROTOCOLLO DI COMUNICAZIONE

101	Vendita REP/PLU
102	Reso,Storno,Annullo
103	Input
104	Operatore
105	Pagamenti
106	Sconti
107	Copia Scontrino
108	Multiscontrino
109	Ripresa Saldo
110	Vidima
111	Subtotale
112	Annullo Scontrino
113	Importo
114	Chip Card
115	Valuta
116	Cliente
117	Terminale Pagamento
118	Prelievi
119	Acconti/Saldi
120	Ripresa Saldo
121	Cameriere
122	Tavolo
123	Iva
124	Recupero Crediti
125	Offerte

Errori in Chiusura

201 Generico Chiusura

Errori in Programmazione

301 Generico Programmazione

Errori in Lettura

401 Generico Lettura

B.5 Esempi di vendita

- Vendita di un articolo con descrizione ‘patate’ ed importo ‘1000’ attribuito al REPARTO 1, conclusa con modalità di pagamento CONTANTI

Stringa di comando:

%S!1000@\$patate\$1R1C

Comando	Descrizione
%S	Comando di simulazione funzionale
!	Apri scontrino fiscale
1000@	Importo
\$patate\$	Descrizione
1R	Reparto 1
1C	Chiudi scontrino fiscale con modalità di pagamento Contanti

- Vendita di 3 articoli con descrizione ‘panino’ ed importo singolo ‘3000’ attribuito al REPARTO 2, conclusa con modalità di pagamento Ticket avente descrizione ‘BUONO’ ed importo ‘10000’

Stringa di comando:

%S!3X3000@\$panino\$2R10000@\$BUONO\$5C

Comando	Descrizione
%S	Comando di simulazione funzionale
!	Apri scontrino fiscale
3X	Quantità e moltiplicatore
3000@	Importo unitario
\$panino\$	Descrizione
2R	Reparto 2
10000@	Specifica importo per modalità di pagamento
\$BUONO\$	Specifica descrizione per modalità di pagamento ‘BUONO’
5C	Chiudi scontrino fiscale con modalità di pagamento Ticket e calcolo del resto

- Vendita di 5 PLU locali con codice 1234 ed importo unitario variato a ‘2000’, conclusa con modalità di pagamento Credito

Stringa di comando:

%S!5X@1234P2000@3C

Comando	Descrizione
%S	Comando di simulazione funzionale
!	Apri scontrino fiscale
5X	Quantità e moltiplicatore
1234P	PLU locale codice 1234
2000@	Importo unitario
3C	Chiudi scontrino fiscale con modalità di pagamento Credito

- **Entrata di cassa di 3x10.000 in contanti**

Stringa di comando:

%SY3X10000@1CY

Comando	Descrizione
%S	Comando di simulazione funzionale
Y	Apertura operatività entrate di cassa
3X	Quantità e moltiplicatore
10000@	importo unitario
1C	Contanti
Y	Chiusura operatività entrate di cassa

- **Vendita con emissione di fattura**

Stringhe di comando:

1 **%S[!1000@99R**

2 **%S3000@\$latte\$10R**

3 **%SQ2000@2C10000@1C**

Comando	Descrizione
%S	(prima stringa) Comando di simulazione funzionale
[	Emetti fattura
!	Apertura transazione
1000@	Importo
99R	Reparto 99
%S	(seconda stringa) Comando di simulazione funzionale
3000@	Importo unitario
\$latte\$	Descrizione
10R	Reparto 10
%S	(terza stringa) Comando di simulazione funzionale
Q	Subtotale
2000@	Importo
2C	Modalità di pagamento Assegni
10000@	Importo
1C	Chiude transazione con modalità di pagamento Contanti e calcolo del resto

APPENDICE C – ESEMPI

Le parentesi quadre che racchiudono i campi comando, non sono da considerare servono solo per migliorare la leggibilità degli esemp.

Prima di inviare al registratore di cassa qualsiasi comando assicurarsi attraverso la lettura de l'Hello message che:

- Il registartore di cassa sia nello stato corretto.
- Che non ci siano scontrini aperti nel caso operazioni che prevedono l'apertura di nuovi scontrini.
- assenza di errori.

1. Connessione tra computer registratore di cassa:

il computer legge lo stato del registratore di cassa e manda il comando "0;" che indica comando vuoto.

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [0;]	→	
	←	(ACK) = hex 06

* il comando deve essere protocolla to (appendice A trcciati record).

2. Porre il registratore di cassa in assetto programmazione:

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [*2;+4;*3;]	→	
	←	(ACK) = hex 06

* il comando deve essere protocolla to (appendice A trcciati record).

3. Programmazione di 1 PLU:

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [*2;*G;*3;]	→	
	←	*[B81]
*[record PLU]	→	
	←	*[B81]
[]	→	
	←	(ACK) = hex 06

* il comando deve essere protocolla to (appendice A trcciati record).

4. Porre il registratore di cassa in assetto Registrazione:

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [*2;+1;*3;]	→	
	←	(ACK) = hex 06

* il comando deve essere protocolla to (appendice A trcciati record).

5. Interattività; vendita PLU.

Per scatenare questa interattività: sulla tastiera digitare il N° del PLU precedentemente programmato, e il tasto "PLU".

Computer	Flusso	Registratore di cassa
	←	*[B01+cod. PLU+q.tà]
* [Record PLU]	→	
	←	(ACK) = hex 06

* il comando deve essere protocollato (appendice A tracciati record).

6. Porre il registratore di cassa in assetto Lettura:

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [*2;+2;*3;]	→	
	←	(ACK) = hex 06

* il comando deve essere protocollato (appendice A tracciati record).

7. Lettura dati vendita dal PLU N°100 al 105:

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [*2;*B100:102;*3;]	→	
	←	*[C04+datiPLU100](vedi tracciati record)
(ACK) = hex 06	→	
	←	*[C04+datiPLU101]
(ACK) = hex 06	→	
	←	*[C04+datiPLU102]
(ACK) = hex 06	→	
	←	*[C08:*]
(ACK) = hex 06	→	

* il comando deve essere protocollato (appendice A tracciati record).

8. Utilizzo simulazione tastiere; poni la cassa in assetto REMOTO + richiesta hello message:

il computer legge lo stato del registratore di cassa e manda il comando "0;" che indica comando vuoto.

Computer	Flusso	Registratore di cassa
(DC1) = hex 11	→	
	←	Hello message
* [*2;#S049:049:049:001;#A;*3;]	→	
	←	(ACK) = hex 06 (per comando)
	←	Hello message
(ACK) = hex 06	→	

* il comando deve essere protocollato (appendice A tracciati record).

C T
O Y
D P
E E

DESCRIPTION

CASH REGISTER TRANSMISSION

HOST REPLY

<p>A01 --- HELLO MESSAGE</p>	<p>[A01:STAT00F:STAT01:STAT02F:STAT03-1:DATAORA:TCASSA:RELSW:MATRICOLA] [Field]=STAT00F, [Meaning]=cash register status, [Range]=BIT 2 1 0 - Cash register operating mode 0 0 0 IDLE mode (operator's display: ----- or DATE and TIME) 0 0 1 registering mode 0 1 0 reading mode (L-mode) 0 1 1 closing mode (C-mode) 1 0 0 programming mode (P-mode) BIT 3= 1 RECEIPT OPEN BIT 4= 1 NON-FISCAL RECEIPT OPEN BIT 5= 1 KEY STRIKING STARTED BIT 6= 1 RE-CONNECTION BIT 7= 1 KEYBOARD LOCKED BY HOST, [Field]=STAT01, [Meaning]=errors, [Range]=BIT 0 = 1 MAX. NUMBER OF RE-TRANSMISSIONS ATTAINED BIT 1 = 1 ERROR IN RECEIVED RECORD 'SEQUENCE' BIT 2 = 1 ERROR IN RECEIVED RECORD SYNTAX BIT 3 = 1 TIME-OUT ON COMMUNICATION ERROR BIT 4 = 1 RECEIVED COMMAND NOT COMPATIBLE WITH CURRENT CASH REGISTER STATUS BIT 5 = 1 RECEIVED COMMAND NON INCLUDED IN ACCEPTABLE COMMANDS BIT 6 = 1 OPERATING ERROR BIT 7 = 1 FIXED AT 1., [Field]=STAT02F, [Meaning]=errors, [Range]=BIT 0 = 1 HARDWARE FAULT BIT 1 = 1 CR MEMORY RESET BIT 2 = 1 FISCAL MEMORY ERROR BIT 3 = 1 RESUMPTION OF OPERATING MODE INTERRUPTED DUE TO POWER LOSS BIT 4 = 1 FISCAL MEMORY FULL BIT 5 = 1 ONLY 30 FISCAL CLOSINGS STILL POSSIBLE IN FISCAL MEMORY BIT 6 = 1 FISCALIZED CR BIT 7 = 0 CASH REGISTER "EUROFISCALIZED", [Field]=STAT03-1, [Meaning]=errors, [Range]=BIT 0 = 1 MOVIES RECEIPT OPEN BIT 2 = 1 EJ GENERIC ERROR(Full, quite full, not present.) BIT 4 = 1 CR IN REMOTE MODE BIT 5 = 1 GENERIC PRINTER ERROR BIT 6 = 1 GENERIC ERROR. [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=MATRICOLA, [Meaning]=cash register serial number,</p>	<p>[0:comando;comando;...] [Field]=0;comando;comando;..., [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,</p>
------------------------------	--	--

<p>B01 --- SEARCH PLU</p>	<p>[B01:PLUCODE:PLUQTY] [Field]=PLUCODE, [Meaning]=PLU code, [Range]=max 18 characters if alphanumeric. If the PLU code is alphanumeric, it can contain ASCII characters from 032 to 127, with the exception of characters 058 and 059., [Field]=PLUQTY, [Meaning]=entered PLU quantity,</p>	<p>[PLUCODE:PREZZO:REPARTO:PLUDESCR:FLAGSCO:OFFERTA:PREZZO1:IVAPLU:PLUFMUL:PLUOFFERTA1:PLUOFFERTA2] [Field]=PLUCODE, [Meaning]=PLU code, [Range]=max 18 characters if alphanumeric. If the PLU code is alphanumeric, it can contain ASCII characters from 032 to 127, with the exception of characters 058 and 059., [Field]=PREZZO, [Meaning]=PLU price on price list 0, [Range]=max 9 digits, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=PLUDESCR, [Meaning]=description associated to the PLU, [Field]=FLAGSCO, [Meaning]=percentage of automatic discount/additional charge to be associated, [Range]=max 2 characters. Identification number of the discount/add-on mode (1 through 20) to be linked to the PLU. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=OFFERTA, [Meaning]=code of the special offer linked to the PLU, if any, [Range]=max 4 digits, 0=no offer, [Field]=PREZZO1, [Meaning]=PLU price on price list 1, [Range]=max 9 digits. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=IVAPLU, [Meaning]=VAT rate code linked to PLU, [Range]=0 to 4; 5=VAT exempt; 9=the VAT rate of the department linked to the PLU is used. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=PLUFMUL, [Meaning]=number of multiple function associated to the PLU, [Field]=PLUOFFERTA1, [Meaning]=special offer code for the fidelity line 1, [Field]=PLUOFFERTA2, [Meaning]=special offer code for the fidelity line 2,</p>
---------------------------	--	---

B01 --- SEARCH SPECIAL OFFER	|B01:OFFCODE:OFFQTY|	|OFFCODE:PREZZOFFERTA:REPARTOFFERTA:OFFDESCR:FLAGSCO:ITEMSNO:PREZZO1:IVAPLU:OFFMUL:OFFERTA1:OFFERTA2|
	[Field]=OFFCODE, [Meaning]=special offer code, [Range]=12 digits, the first eight digits of which are '9', [Field]=OFFQTY, [Meaning]=---, [Range]=fixed at 1,	[Field]=OFFCODE, [Meaning]=special offer code, [Range]=12 digits, the first eight digits of which are '9', [Field]=PREZZOFFERTA, [Meaning]=total price of the item to which the special offer applies, [Field]=REPARTOFFERTA, [Meaning]=department in which the amounts related to the special offer are accrued, [Field]=OFFDESCR, [Meaning]=description associated to the special offer, [Field]=FLAGSCO, [Meaning]=percentage of automatic discount/additional charge to be associated, [Range]=max 2 characters. Identification number of the discount/add-on mode (1 through 20) to be linked to the PLU. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=ITEMSNO, [Meaning]=number of items necessary for the special offer to be applicable, [Range]=max 4 digits, 0=no offer, [Field]=PREZZO1, [Meaning]=PLU price on price list 1, [Range]=max 9 digits. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=IVAPLU, [Meaning]=VAT rate code linked to PLU, [Range]=0 to 4; 5=VAT exempt; 9=the VAT rate of the department linked to the PLU is used. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=OFFMUL, [Meaning]=number of multiple function associated to the special offer, [Field]=OFFERTA1, [Meaning]=threshold value for the issue of the offer, [Field]=OFFERTA2, [Meaning]=points accrued by the offer,
B02 --- SEARCH MISCELLANEOUS FUNCTIONS	|B02:TASTO:YYYY...| [Field]=TASTO, [Meaning]=function key, [Range]=0=function key F0 1=function key F1 2=function key F2 3=function key F3 4=function key F4 5=function key F5 6=function key F6 7=function key F7 8=function key F8 9=function key F9,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B03 --- SEARCH CUSTOMER	|B03:CODCLI:TIPO:VAL| [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits, [Field]=TIPO, [Meaning]=type of customer's chip card, [Range]=0 = none 20 = identity card 21 = pre-paid card 22 = fidelity card 23 = 'mixed' card,	|CODCLI:DESCR1:DESCR2:CUSPLIST:CUSVAT:CUSFMUL:MAXCRED:CUSFLAGS:GRUPPO:DESCR3:DESCR4:CF/PIVA:CLINEA:SALDOPUNTI| [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits, [Field]=DESCR1, [Meaning]=line no. 1 customer's description, [Field]=DESCR2, [Meaning]=line no. 2 customer's description, [Field]=CUSPLIST, [Meaning]=price list to which the customer has access, [Range]=0, 1 or 2, [Field]=CUSVAT, [Meaning]=VAT rate code associated to the customer, [Field]=CUSFMUL, [Meaning]=number of multiple function associated to the customer, [Field]=MAXCRED, [Meaning]=maximum amount of credit allowed for the customer, [Range]=max 8 digits, [Field]=CUSFLAGS, [Meaning]=customer's flags, [Field]=GRUPPO, [Meaning]=number of customers' group to which the customer belongs, [Range]=1 through 255, [Field]=DESCR3, [Meaning]=line no. 3 customer's description, [Field]=DESCR4, [Meaning]=line no. 4 customer's description, [Field]=CF/PIVA, [Meaning]=customer's tax code, [Field]=CLINEA, [Meaning]=code of the fidelity line associated to the customer, [Range]=0 through 2, [Field]=SALDOPUNTI, [Meaning]=total of points accrued,
B04 --- SEARCH MULTIPLE FUNCTION	|B04:CODFMULTIPLA:| [Field]=CODFMULTIPLA, [Meaning]=multiple function code, [Range]=max 12 digits,	|CODFMULTIPLA:MFFLAGS:CODFUNZ:...| [Field]=CODFMULTIPLA, [Meaning]=multiple function code, [Range]=max 12 digits, [Field]=MFFLAGS, [Meaning]=multiple function flags, [Field]=CODFUNZ, [Meaning]=code of function associated to multiple function,
B10 --- BILL START INTERACTIVITY	|B10|	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B11 --- DISCOUNT ON ITEM START INTERACTIVITY	|B11|	|0;comando;comando;...|

[Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,

B12 --- DEPARTMENT PAST VOID START INTERACTIVITY	|B12:---:REPARTO:PVAMOUNT:PVQTY| [Field]=---, [Meaning]=meaningless field, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=PVAMOUNT, [Meaning]=amount of the past void, [Range]=quantity by typed-in past void value. The first character of a past void is a minus sign ('-'), [Field]=PVQTY, [Meaning]=number of items past voided,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B12 --- PLU PAST VOID START INTERACTIVITY	|B12:PLU:REPARTO:PVAMOUNT:PVQTY| [Field]=PLU, [Meaning]=code of PLU to which the operation applies, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=PVAMOUNT, [Meaning]=amount of the past void, [Range]=quantity by typed-in past void value. The first character of a past void is a minus sign ('-'), [Field]=PVQTY, [Meaning]=number of items past voided,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B13 --- DEPARTMENT RETURN START INTERACTIVITY	|B13:---:REPARTO:REFAMOUNT:REFQTY| [Field]=---, [Meaning]=meaningless field, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=REFAMOUNT, [Meaning]=amount of the refund operation, [Range]=quantity by typed-in value. The first character is a minus sign ('-'), [Field]=REFQTY, [Meaning]=number of refunded items,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B13 --- PLU RETURN START INTERACTIVITY	|B13:PLU:REPARTO:REFAMOUNT:REFQTY| [Field]=PLU, [Meaning]=code of PLU to which the operation applies, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=REFAMOUNT, [Meaning]=amount of the refund operation, [Range]=quantity by typed-in value. The first character is a minus sign ('-'), [Field]=REFQTY, [Meaning]=number of refunded items,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B14 --- DEPARTMENT SALE START INTERACTIVITY	|B14:---:REPARTO:SALEAMOUNT:SOLDQTY| [Field]=---, [Meaning]=meaningless field, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=SALEAMOUNT, [Meaning]=amount of the sale, [Range]=quantity by unit price, [Field]=SOLDQTY, [Meaning]=sold quantity,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B14 --- PLU SALE START INTERACTIVITY	|B14:PLU:REPARTO:SALEAMOUNT:SOLDQTY| [Field]=PLU, [Meaning]=code of PLU to which the operation applies, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=SALEAMOUNT, [Meaning]=amount of the sale, [Range]=quantity by unit price, [Field]=SOLDQTY, [Meaning]=sold quantity,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B15 --- SUBTOTAL START INTERACTIVITY	|B15|	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B16 --- DISCOUNT ON SUBTOTAL START INTERACTIVITY	|B16|	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B17 --- PAYMENT START INTERACTIVITY	|B17:ECXPAG:PAYAM:TIPOPAG| [Field]=ECXPAG, [Meaning]=form of payment identifier, [Range]=0 ÷ 39 = form of payment 1 ÷ form of payment 40 (if available), [Field]=PAYAM, [Meaning]=amount of payment, [Field]=TIPOPAG, [Meaning]=indicating whether the amount of payment has been typed-in, [Range]=0 = the amount of payment has not been typed-in 1 = the amount of payment has been typed-in,	|0;comando;comando;...| [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,

B18 --- RECEIPT END INTERACTIVITY NOTE: the operation abort command "4" cannot be used in this interactivity	[B18:P:FST:FSF:TS:DATAORA:OPER:DOC] [Field]=P, [Meaning]=number of items in the receipt, [Field]=FST, [Meaning]=total number of (fiscal and non-fiscal) receipts issued, [Field]=FSF, [Meaning]=number of fiscal receipts issued, [Field]=TS, [Meaning]=total amount of receipt, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B19 --- AUXILIARY OPERATIONS START INTERACTIVITY	[B19:FCXOPE] [Field]=FCXOPE, [Meaning]=type of auxiliary operation, [Range]=1 = paid out 2 = received on account 3 = charge recovery 4 = return of items 5 = payment of not cashed-in amounts,	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B20 --- VOID START INTERACTIVITY	[B20:CXAN] [Field]=CXAN, [Meaning]=type of corrected operation, [Range]=1 = void of registration on department 3 = void of refund 4 = void of discount on item,	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B21 --- RECEIPT ON REMOTE PRINTER START INTERACTIVITY	[B21]	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B22 --- INVOICE ON REMOTE PRINTER START INTERACTIVITY	[B22]	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B23 --- KEY TURNING START INTERACTIVITY	[B23:FCXMODE] [Field]=FCXMODE, [Meaning]=operating mode, [Range]=O = idle mode R = registering mode L = reading mode (L-mode) C = closing mode (C-mode) P = programming mode (P-mode),	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B25 --- BALANCE RECALL START INTERACTIVITY	[B25]	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B27 --- AUXILIARY OPERATIONS END INTERACTIVITY	[B27:FCXOPE] [Field]=FCXOPE, [Meaning]=type of auxiliary operation, [Range]=1 = paid out 2 = received on account 3 = charge recovery 4 = return of items 5 = payment of not cashed-in amounts,	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B30 --- SPECIAL OFFER INTERACTIVITY	[B30]	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B40 --- CUSTOMER'S PRESENTATION INTERACTIVITY	[B40:CODCLI:TIPO] [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits, [Field]=TIPO, [Meaning]=type of customer's chip card, [Range]=0 = none 20 = identity card 21 = pre-paid card 22 = fidelity card 23 = 'mixed' card,	[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B41 --- LIMITS OPEN INTERACTIVITY	[B41]	[0;comando;comando;...]

			[Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B42 --- PRICE LIST CHANGE INTERACTIVITY	|B42:LISTINOF| [Field]=LISTINOF, [Meaning]=active price list, [Range]=0 or 1,		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B43 --- PROMOTIONAL ACTION ON RECEIPT SUBTOTAL INTERACTIVITY	|B43|		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B44 --- COUPON ISSUE START INTERACTIVITY	|B44|		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B45 --- END OF DAILY ZEROSETTING INTERACTIVITY	|B45:NCHIUSURA:NETTOFISC| [Field]=NCHIUSURA, [Meaning]=number of daily zerosetting, [Field]=NETTOFISC, [Meaning]=total net fiscal amount,		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B48 --- DEPARTMENT FUNCTION LEVEL INTERACTIVITY	|B48:REPSHIFT| [Field]=REPSHIFT, [Meaning]=deparment functions level, [Range]=0 = primary functions 1 = secondary functions,		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B49 --- KEY CREDIT NOTE	|B49:ALFACREDNOTE|		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B49 --- KEY CREDIT NOTE	|B49:CREDNOTE| [Field]=CREDNOTE, [Meaning]=Number of credit note receipts issues,		[0;comando;comando;...] [Field]=0;comando;comando;... [Meaning]=Command fields are optional. If host has no commands to transmit, it replies zero.,
B50 --- PERIODIC ICONS PROGRAMMING	|B50|		|NUMICO:CODICO:INIPER:FINEPER| if end of transmission, or no data to transmit: [*] [Field]=NUMICO, [Meaning]=icon number, [Field]=CODICO, [Meaning]=icon code, [Range]=max 2 digits, [Field]=INIPER, [Meaning]=period start date, [Range]=DDMMYY, [Field]=FINEPER, [Meaning]=period end date, [Range]=DDMMYY,
B51 --- DEPARTMENT GROUPS DESCRIPTION PROGRAMMING	|B51|		|DPTGRUPPO:DPTGDESCR| if end of transmission, or no data to transmit: [*] [Field]=DPTGRUPPO, [Meaning]=group to which the department belongs, [Range]=0-11, [Field]=DPTGDESCR, [Meaning]=department group description,
B52 --- COUPON PROGRAMMING	|B52|		|NUMBOLL:TIPOACC:VALORE1:PUNTI1:VALORE2:PUNTI2:VALORE3:PUNTI3:VALORE4:PUNTI4| if end of transmission, or no data to transmit: [*] [Field]=NUMBOLL, [Meaning]=coupon number, [Range]=1 through 4, [Field]=TIPOACC, [Meaning]=type of accrual, [Range]=0=value, 1=quantity, [Field]=VALORE1, [Meaning]=application threshold value for coupon type 1, [Range]=max 6 digits, [Field]=PUNTI1, [Meaning]=number of points to attain threshold for coupon type 1, [Range]=max 3 digits, [Field]=VALORE2, [Meaning]=application threshold value for coupon type 2, [Range]=max 6 digits, [Field]=PUNTI2, [Meaning]=number of points to attain threshold for coupon type 2, [Range]=max 3 digits, [Field]=VALORE3, [Meaning]=application threshold value for coupon type 3, [Range]=max 6 digits, [Field]=PUNTI3, [Meaning]=number of points to attain threshold for coupon type 3, [Range]=max 3 digits, [Field]=VALORE4, [Meaning]=application threshold value for coupon type 4, [Range]=max 6 digits, [Field]=PUNTI4, [Meaning]=number of points to attain threshold for coupon type 4, [Range]=max 3 digits,
B53 --- CURRENCY PROGRAMMING	|B53|		|NVALU:RAPPOC:NDECI:CURRDESCR| if end of transmission, or no data to transmit: [*] [Field]=NVALU, [Meaning]=currency number, [Range]=1 through 4, [Field]=RAPPOC, [Meaning]=exchange rate, [Range]=max 5 integers and 8 decimals, [Field]=NDECI, [Meaning]=number of decimal for the currency, [Range]=0 or 2, [Field]=CURRDESCR, [Meaning]=currency description, [Range]=max 8 characters,

B54 ---	ICONS TEXT PROGRAMMING	[B54]	[NXT:NRIGA:TESTO:TXTCODICO] if end of transmission, or no data to transmit: [*] [Field]=NXT, [Meaning]=text number, [Field]=NRIGA, [Meaning]=line number, [Field]=TESTO, [Meaning]=text to be printed, [Field]=TXTCODICO, [Meaning]=code of icon to be printed, [Range]=max 2 digits,
B55 ---	PROGRAMMING OF CASH-BOX OPERATIONS DESCRIPTIONS AND FLAGS	[B55]	[DESSTORNO:DESRESO:DESANNU:COFLAGS:DISPMMSG] if end of transmission, or no data to transmit: [*] [Field]=DESSTORNO, [Meaning]=description of past void, [Field]=DESRESO, [Meaning]=description of refund, [Field]=DESANNU, [Meaning]=description of void, [Field]=COFLAGS, [Meaning]=flags of cash-box operations, [Field]=DISPMMSG, [Meaning]=courtesy message,
B56	MACRO PROGRAMMING	[B56]	[2:MFUNP:NFUNZ:CODFUNZ] if end of transmission, or no data to transmit: [*] [Field]=2, [Meaning]=record type identifier, [Field]=MFUNP, [Meaning]=multiple function number, [Range]=1 to 250; 0=no function, [Field]=NFUNZ, [Meaning]=sequential number of the function associated to the multiple function, [Field]=CODFUNZ, [Meaning]=code of function associated to multiple function,
B57 ---	PROGRAMMING OF DISCOUNT/ADDITIONAL CHARGE MODES LINKED TO MODIFIER KEYS	[B57]	[NMOD1:NMOD2:NMOD3:NMOD4:NMOD5:NMOD6] if end of transmission, or no data to transmit: [*] [Field]=NMOD1, [Meaning]=number of discount/additional charge mode linked to the modifier key 1, [Field]=NMOD2, [Meaning]=number of discount/additional charge mode linked to the modifier key 2, [Field]=NMOD3, [Meaning]=number of discount/additional charge mode linked to the modifier key 3, [Field]=NMOD4, [Meaning]=number of discount/additional charge mode linked to the modifier key 4, [Field]=NMOD5, [Meaning]=number of discount/additional charge mode linked to the modifier key 5, [Field]=NMOD6, [Meaning]=number of discount/additional charge mode linked to the modifier key 6,
B58 ---	TICKET DENOMINATION MANAGEMENT PROGRAMMING	[B58]	[NUMCAU:NTAGLIO:TDPREZZO] if end of transmission, or no data to transmit: [*] [Field]=NUMCAU, [Meaning]=number of the form of payment that corresponds to the type of ticket, [Range]=6 for TICKET 1 through 39 for TICKET 34, [Field]=NTAGLIO, [Meaning]=identification number of the ticket denomination, [Range]=1 through 15, [Field]=TDPREZZO, [Meaning]=amount of the ticket denomination, [Range]=max 8 digits,
B59 ---	CUSTOMERS' GROUPS DESCRIPTION PROGRAMMING	[B59]	[NUMGRP:DESCRIZIONE] if end of transmission, or no data to transmit: [*] [Field]=NUMGRP, [Meaning]=number of the customers' group, [Range]=1 through 255, [Field]=DESCRIZIONE, [Meaning]=description of the customers' group,
B63 ---	CUSTOMER CIRCULARITY PROGRAMMING	[B63]	[CSLOT:CIRCULARITA:LINEAFED] if end of transmission, or no data to transmit: [*] [Field]=CSLOT, [Meaning]=number of the circularity type, [Range]=1 through 10, [Field]=CIRCULARITA, [Meaning]=first seven character of the customer codes to be considered in circularity, [Range]=may contains the "*" character, [Field]=LINEAFED, [Meaning]=code of the fidelity line associated to the customers in circularity, [Range]=0 through 2,
B64 ---	PROGRAMMING OF SUBTOTAL FIDELITY	[B64]	[LINEA:FTIPO:CALCOLO:STEP1:STEP2:FSGLIA1:FSGLIA2:FVALORE1:FVALORE2] if end of transmission, or no data to transmit: [*] [Field]=LINEA, [Meaning]=code of the fidelity line, [Range]=0 through 2, [Field]=FTIPO, [Meaning]=fidelity type, [Range]=0 = none 1 = points 2 = discount, [Field]=CALCOLO, [Meaning]=single range or attained value calculating method, [Range]=1 or 2, [Field]=STEP1, [Meaning]=first step of points/discount calculation, [Range]=max 6 digits, [Field]=STEP2, [Meaning]=second step of points/discount calculation, [Range]=max 6 digits,

[Field]=FSOGLIA1, [Meaning]=first threshold value for the issue of points/discount, [Range]=max 6 digits,

[Field]=FSOGLIA2, [Meaning]=second threshold value for the issue of points/discount, [Range]=max 6 digits,

[Field]=FVALORE1, [Meaning]=amount of points/discount to be issued after the first threshold is attained,

[Range]=max 6 digits,

[Field]=FVALORE2, [Meaning]=amount of points/discount to be issued after the second threshold is attained,

[Range]=max 6 digits,

B65 --- PROGRAMMING OF CONNECTED DEVICES [B65]

[SLOT:DEVICE]

if end of transmission, or no data to transmit: [*]

[Field]=SLOT, [Meaning]=number of the connector,

[Field]=DEVICE, [Meaning]=number of the device connected,

B66 --- PROGRAMMING OF COINS FOR AUTOMATIC CHANGE DISPENSER [B66]

[NUMTAGLIO:NUMPEZZI]

if end of transmission, or no data to transmit: [*]

[Field]=NUMTAGLIO, [Meaning]=number of the denomination to be programmed, [Range]=1 through 8,

[Field]=NUMPEZZI, [Meaning]=number of pieces to be inserted, [Range]=0 through 999,

B68 --- PROGRAMMING OF FORMAT OF PLU WITH PRICE BY WEIGHT [B68]

[INFORMATO:PARAMETRIFORMATO]

if end of transmission, or no data to transmit: [*]

[Field]=NFORMATO, [Meaning]=format of PLU with price by weight, [Range]=1 to 11,

[Field]=PARAMETRIFORMATO, [Meaning]=flag format of PLU with price by weight,

B69 --- PROGRAMMING OF PROMOTIONAL ACTION ON SUBTOTAL [B69]

[SOGLIASBT:NMODSBT]

if end of transmission, or no data to transmit: [*]

[Field]=SOGLIASBT, [Meaning]=amount required to apply discount on subtotal,

[Field]=NMODSBT, [Meaning]=number of discount/additional charge mode linked to discount on subtotal,

[Range]=1 through 20,

B70 --- CUSTOMERS' PROGRAMMING [B70]

[CODCLI:DESCR1:DESCR2:CUSPLIST:CUSVAT:CUSFMUL:MAXCRED:CUSFLAGS:GRUPPO:DESCR3:DESCR4:CF/PIVA:CLINEA:SALDOPUNTI]

if end of transmission, or no data to transmit: [*]

[Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,

[Field]=DESCR1, [Meaning]=line no. 1 customer's description,

[Field]=DESCR2, [Meaning]=line no. 2 customer's description,

[Field]=CUSPLIST, [Meaning]=price list to which the customer has access, [Range]=0, 1 or 2,

[Field]=CUSVAT, [Meaning]=VAT rate code associated to the customer,

[Field]=CUSFMUL, [Meaning]=number of multiple function associated to the customer,

[Field]=MAXCRED, [Meaning]=maximum amount of credit allowed for the customer, [Range]=max 8 digits,

[Field]=CUSFLAGS, [Meaning]=customer's flags,

[Field]=GRUPPO, [Meaning]=number of customers' group to which the customer belongs, [Range]=1 through 255,

[Field]=DESCR3, [Meaning]=line no. 3 customer's description,

[Field]=DESCR4, [Meaning]=line no. 4 customer's description,

[Field]=CF/PIVA, [Meaning]=customer's tax code,

[Field]=CLINEA, [Meaning]=code of the fidelity line associated to the customer, [Range]=0 through 2,

[Field]=SALDOPUNTI, [Meaning]=total of points accrued,

B71 --- DIRECT PLUs PROGRAMMING [B71]

[CODPLU:REPARTO]

if end of transmission, or no data to transmit: [*]

[Field]=CODPLU, [Meaning]=numerical code of direct PLU, [Range]=1 to 250,

[Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,

B72 --- CONNECTABILITY PROGRAMMING [B72]

[BCC:HELLO1:HELLO2:HELLO3:TOUT:BEEP:MAXT:LIVINT:LIVHIS:NCASSA::INDCASSA:FLAGSCOM1:AGCL:FLAGSCOM2::]

if end of transmission, or no data to transmit: [*]

[Field]=BCC, [Meaning]=flag for calculation of serial BCC for the scanner,

[Field]=HELLO1, [Meaning]=normal hello time,

[Field]=HELLO2, [Meaning]=fast hello time,

[Field]=HELLO3, [Meaning]=slow hello time,

[Field]=TOUT, [Meaning]=timeout time on communication,

[Field]=BEEP, [Meaning]=beep on timeout flag,

[Field]=MAXT, [Meaning]=maximum number of re-transmissions,

[Field]=LIVINT, [Meaning]=interactivity level,

[Field]=LIVHIS, [Meaning]=history file transmission level,

[Field]=NCASSA, [Meaning]=cash register number,
[Field]=INDCASSA, [Meaning]=cash register address,
[Field]=FLAGSCOM1, [Meaning]=numerical field the binary value of which is used by the cash register to configure the communication procedures, [Range]=0-255,
[Field]=PAGCLI, [Meaning]=number of pages destined for the customers' archive,
[Field]=FLAGSCOM2, [Meaning]=numerical field the binary value of which is used by the cash register to configure the communication operating modes, [Range]=0-255,

B73 --- CLERKS' AND WAITERS' ENABLE PROGRAMMING [B73]

[OPEON:ABILCAM]
if end of transmission, or no data to transmit: [*]
[Field]=OPEON, [Meaning]=clerk's management enabling, [Range]=1=enabled, 0=disabled,
[Field]=ABILCAM, [Meaning]=numerical field the binary value of which is used by the cash register to configure the waiters' management, [Range]=0-255,

B74 --- REMOTE PRINTER PARAMETERS PROGRAMMING [B74]

[RPFLAGS:MSUP:MAXR:POSPAG]
if end of transmission, or no data to transmit: [*]
[Field]=RPFLAGS, [Meaning]=remote printer flags,
[Field]=MSUP, [Meaning]=number of lines in header,
[Field]=MAXR, [Meaning]=maximum number of lines in receipt/invoice,
[Field]=POSPAG, [Meaning]=number of line at which there starts the print of the data concerning payments,

B75 --- RECEIPT FLAGS PROGRAMMING [B75]

[FLSCO1:FLSCO2:FLSCO3]
if end of transmission, or no data to transmit: [*]
[Field]=FLSCO1, [Meaning]=1st receipt flags level,
[Field]=FLSCO2, [Meaning]=2nd receipt flags level,
[Field]=FLSCO3, [Meaning]=3rd receipt flags level,

B76 --- GENERIC PROGRAMMINGS [B76]

[FLCHI:FLREP:FLGEN1:FLGEN2:CLICK:COPY:ALLH24:NERO:PESO:PLUOFF:LOCALE:NOFFE:AUTOMU
L:TECNICA:FLCLI:NLINEE:%IMP:%TAB]
if end of transmission, or no data to transmit: [*]
[Field]=FLCHI, [Meaning]=flags of automatic management reports,
[Field]=FLREP, [Meaning]=global department flags,
[Field]=FLGEN1, [Meaning]=1st general flags level, [Range]=0-255,
[Field]=FLGEN2, [Meaning]=2nd general flags level, [Range]=0-255,
[Field]=CLICK, [Meaning]=keyboard click enable,
[Field]=COPY, [Meaning]=receipt copy enable,
[Field]=ALLH24, [Meaning]=midnight alarm enable,
[Field]=NERO, [Meaning]=print quality,
[Field]=PESO, [Meaning]=enabling of mixed codes for PLUs with price by weight,
[Field]=PLUOFF, [Meaning]=enabling of PLUs not included in archive,
[Field]=LOCALE, [Meaning]=enabling of search in local archives,
[Field]=NOFFE, [Meaning]=number of special offers concurrently open,
[Field]=AUTOMUL, [Meaning]=automatic multi-ticket enable,
[Field]=TECNICA, [Meaning]=date scheduled for Service Engineer's visit,
[Field]=FLCLI, [Meaning]=customers' management flags,
[Field]=NLINEE, [Meaning]=number of paper feed lines at receipt end,

B77 --- CHIP CARD MANAGEMENT PROGRAMMING [B77]

[PSW:CCMFLAGS:CODNEG]
if end of transmission, or no data to transmit: [*]
[Field]=PSW, [Meaning]=password for chip card programming,
[Field]=CCMFLAGS, [Meaning]=chip card management flags,
[Field]=CODNEG, [Meaning]=establishment (shop) code,

B79 --- KEYBOARD PROGRAMMING [B79]

[CODTAST:LIVELLO:POS:CODFUN]
if end of transmission, or no data to transmit: [*]
[Field]=CODTAST, [Meaning]=keyboard code, [Range]=0=default, 1=extended, 2=flat, 3=pu,
[Field]=LIVELLO, [Meaning]=keyboard level,
[Field]=POS, [Meaning]=key position code,
[Field]=CODFUN, [Meaning]=function code associated to the key,

B80 --- DEPARTMENTS PROGRAMMING [B80]

[REPARTO:DPTDESCR:DPTFLAG1:MAXIMP:MINIMP:DPTPREZZO:DPTVAT:DPTGRUPPO:MODIF:MULTI:
BOLLINO:DPTFMUL:DPTPREZZO1: DPTFLAG2]
if end of transmission, or no data to transmit: [*]
[Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
[Field]=DPTDESCR, [Meaning]=department description,
[Field]=DPTFLAG1, [Meaning]=numerical field the binary value of which is used by the cash register to configure the department operating procedures, [Range]=0-255,

[Field]=MAXIMP, [Meaning]=maximum amount that can be registered in department, [Range]=max 8 digits,

[Field]=MINIMP, [Meaning]=minimum amount that can be registered in department, [Range]=max 8 digits,

[Field]=DPTPREZZO, [Meaning]=price associated to the department based on standard price list (price list 0), [Range]=max 8 digits,

[Field]=DPTVAT, [Meaning]=code of VAT associated to the department,

[Field]=DPTGRUPPO, [Meaning]=group to which the department belongs, [Range]=0-11,

[Field]=MODIF, [Meaning]=percent discount or additional charge associated to the department, [Range]=(-100 to +100),

[Field]=MULTI, [Meaning]=print group to which the department belongs, [Range]=0-19,

[Field]=BOLLINO, [Meaning]=flags to associate coupons to department,

[Field]=DPTFMUL, [Meaning]=number of multiple function associated to the department,

[Field]=DPTPREZZO1, [Meaning]=price associated to the department based on price list 1, [Range]=max 8 digits,

[Field]=DPTFLAG2, [Meaning]=numerical field the binary value of which is read by the cash register to configure the department operating modes, [Range]=0-255,

B81 --- PLU PROGRAMMING |B81|

NOTE: if the cash register generates an error when a PLU is entered (e.g. memory full), it stops sending requests B81 even if the HOST has not yet sent the end of loading flag "". The control of the event is, therefore, left to the HOST.

[PLUCODEH:PREZZO:REPARTO:PLUDESCR:FLAGSCO:OFFERTA:PREZZO1:IVAPLU:PLUFMUL:PLUOFFERTA1:PLUOFFERTA2]
if end of transmission, or no data to transmit: [*]

[Field]=PLUCODEH, [Meaning]=code of PLU sent by host, [Range]=max 12/13 numeric/alphanumeric characters,

[Field]=PREZZO, [Meaning]=PLU price on price list 0, [Range]=max 9 digits,

[Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,

[Field]=PLUDESCR, [Meaning]=description associated to the PLU,

[Field]=FLAGSCO, [Meaning]=percentage of automatic discount/additional charge to be associated,

[Range]=max 2 characters. Identification number of the discount/add-on mode (1 through 20) to be linked to the PLU. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,

[Field]=OFFERTA, [Meaning]=code of the special offer linked to the PLU, if any, [Range]=max 4 digits, 0=no offer,

[Field]=PREZZO1, [Meaning]=PLU price on price list 1, [Range]=max 9 digits. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,

[Field]=IVAPLU, [Meaning]=VAT rate code linked to PLU, [Range]=0 to 4; 5=VAT exempt; 9=the VAT rate of the department linked to the PLU is used. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,

[Field]=PLUFMUL, [Meaning]=number of multiple function associated to the PLU,

[Field]=PLUOFFERTA1, [Meaning]=special offer code for the fidelity line 1,

[Field]=PLUOFFERTA2, [Meaning]=special offer code for the fidelity line 2,

B82 --- WAITERS' PROGRAMMING |B82|

[NUMCAM:WDESCR]

if end of transmission, or no data to transmit: [*]

[Field]=NUMCAM, [Meaning]=waiter's number, [Range]=1 through 20,

B83 --- CLERKS' PROGRAMMING |B83|

[NUMOP:CODOP:CHIAVE:CDESCR:BANCO1:BANCO2:BANCO3:BANCO4:BANCO5:BANCO6]

if end of transmission, or no data to transmit: [*]

[Field]=NUMOP, [Meaning]=clerk's number, [Range]=1 through 20,

[Field]=CODOP, [Meaning]=clerk's code, [Range]=2 digits, 01 through 99,

[Field]=CHIAVE, [Meaning]=clerk's access password, [Range]=3 digits, 000 through 999,

[Field]=CDESCR, [Meaning]=clerk's description,

[Field]=BANCO1, [Meaning]=numerical field the binary value of which is used by the cash register to configure the clerk's access to the cash register functions, [Range]=0-255,

[Field]=BANCO2, [Meaning]=numerical field the binary value of which is used by the cash register to configure the clerk's access to the cash register operating MODES, [Range]=0-255,

[Field]=BANCO3, [Meaning]=numerical field the binary value of which is used by the cash register to configure the clerk's data, [Range]=0-255,

[Field]=BANCO4, [Meaning]=numerical field, [Range]=0-255,

[Field]=BANCO5, [Meaning]=numerical field, [Range]=0-255,

[Field]=BANCO6, [Meaning]=numerical field, [Range]=0-255,

B84	--- SPECIAL OFFERS PROGRAMMING	|B84|	[OFFCODE:PREZZOFFERTA:REPARTOFFERTA:OFFDESCR:FLAGSCO:ITEMSNO:PREZZO1:IVAPLU:OFFMUL:OFFERTA1:OFFERTA2] if end of transmission, or no data to transmit: [*]
NOTE: if the cash register generates an error when a SPECIAL OFFER is entered (e.g. memory full), it stops sending the B84 requests even if the HOST has not yet sent the end of loading flag ". The control of such event is, therefore, left to the HOST.			
			<p>[Field]=OFFCODE, [Meaning]=special offer code, [Range]=12 digits, the first eight digits of which are '9',</p> <p>[Field]=PREZZOFFERTA, [Meaning]=total price of the item to which the special offer applies, [Field]=REPARTOFFERTA, [Meaning]=department in which the amounts related to the special offer are accrued, [Field]=OFFDESCR, [Meaning]=description associated to the special offer, [Field]=FLAGSCO, [Meaning]=percentage of automatic discount/additional charge to be associated, [Range]=max 2 characters. Identification number of the discount/add-on mode (1 through 20) to be linked to the PLU. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=ITEMSNO, [Meaning]=number of items necessary for the special offer to be applicable, [Range]=max 4 digits, 0=no offer. [Field]=PREZZO1, [Meaning]=PLU price on price list 1, [Range]=max 9 digits. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=IVAPLU, [Meaning]=VAT rate code linked to PLU, [Range]=0 to 4; 5=VAT exempt; 9=the VAT rate of the department linked to the PLU is used. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record., [Field]=OFFMUL, [Meaning]=number of multiple function associated to the special offer, [Field]=OFFERTA1, [Meaning]=threshold value for the issue of the offer, [Field]=OFFERTA2, [Meaning]=points accrued by the offer,</p>
B85	--- LINES No. 1-2-3 RECEIPT HEADER	|B85|	[A:RIGA1:RIGA2:RIGA3] if end of transmission, or no data to transmit: [*]
PROGRAMMING			<p>[Field]=A, [Meaning]=lines 1,2,3 receipt header, [Field]=RIGA1, [Meaning]=line no. 1 of receipt header, [Field]=RIGA2, [Meaning]=line no. 2 of receipt header, [Field]=RIGA3, [Meaning]=line no. 3 of receipt header,</p>
B85	--- LINES No. 4-5-6 RECEIPT HEADER	|B85|	[B:RIGA4:RIGA5:RIGA6] if end of transmission, or no data to transmit: [*]
PROGRAMMING			<p>[Field]=B, [Meaning]=lines 4,5,6 receipt header, [Field]=RIGA4, [Meaning]=line no. 4 of receipt header, [Field]=RIGA5, [Meaning]=line no. 5 of receipt header, [Field]=RIGA6, [Meaning]=line no. 6 of receipt header,</p>
B85	--- RECEIPT FOOTER PROGRAMMING	|B85|	[F:FLINE1:FLINE2] if end of transmission, or no data to transmit: [*]
			<p>[Field]=F, [Meaning]=lines 1,2,3 receipt footer, [Field]=FLINE1, [Meaning]=line no. 1 of receipt footer, [Field]=FLINE2, [Meaning]=line no. 2 of receipt footer,</p>
B86	--- PAYMENT FORM PROGRAMMING	|B86|	[ENMODPAG:PFLAGS:PMAXIMP:PIMPORTO:PDESCR:COMMISS] if end of transmission, or no data to transmit: [*]
			<p>[Field]=ENMODPAG, [Meaning]=form of payment number, [Range]=1 to 40 (if available), [Field]=PFLAGS, [Meaning]=numerical field the binary value of which is used to configure the forms of payment, [Range]=0-255, [Field]=PMAXIMP, [Meaning]=maximum amount of payment, [Range]=max 8 digits, [Field]=PIMPORTO, [Meaning]=pre-set amount associated to the form of payment, [Range]=max 8 digits,</p> <p>[Field]=PDESCR, [Meaning]=description associated to the form of payment, [Field]=COMMISS, [Meaning]=percent value of the commission to be linked to the form of payment,</p>
B87	--- CASH-BOX OPERATIONS PROGRAMMING	|B87|	[MAXSTORNI:MAXRESI:LIBERO:FONDOCASSA:ARROT:MAXRESTO:MAXRESTOACD] if end of transmission, or no data to transmit: [*]
			<p>[Field]=MAXSTORNI, [Meaning]=maximum limit of a past void, [Range]=max 8 digits, [Field]=MAXRESI, [Meaning]=maximum amount of a refund, [Range]=max 8 digits, [Field]=LIBERO, [Meaning]=not used, [Range]=default 0, [Field]=FONDOCASSA, [Meaning]=flag permitting the quantity of cash in drawer to be constantly kept in the memory, [Range]=0 or 1, [Field]=ARROT, [Meaning]=subtotal rounding mode code, [Field]=MAXRESTO, [Meaning]=maximum amount of change,</p>

[Field]=MAXRESTOACD, [Meaning]=maximum amount of change issued by the automatic change dispenser, [Range]=0 through 4,99,

B88 --- DISCOUNT/ADDITIONAL CHARGE MODES PROGRAMMING	[B88]	[NMOD:FLSCO:VALORE:VALMAX:DDESCR] if end of transmission, or no data to transmit: [*] [Field]=NMOD, [Meaning]=number of discount/additional charge mode, [Range]=1 through 20, [Field]=FLSCO, [Meaning]=flags of discount/additional charge mode, [Field]=VALORE, [Meaning]=pre-set fixed string associated to the discount/additional charge, multiplied by 100, [Range]=if value, max 8 digits, if percentage max 100%, [Field]=VALMAX, [Meaning]=maximum amount applicable to discount/additional charge, [Range]=if value max 8 digits, if percentage max 100%, [Field]=DDESCR, [Meaning]=description of discount/additional charge type.
B89 --- VAT TABLE PROGRAMMING NOTE: you can change the VAT rate table only if the VAT period totalizers are at zero and no documents have been issued after the latest daily zero-setting.	[B89]	[ALIQ0:ALIQ1:ALIQ2:ALIQ3:ALIQ4] if end of transmission, or no data to transmit: [*] [Field]=ALIQ0, [Meaning]=percent value of VAT rate having code 0, [Range]=0 to 99, [Field]=ALIQ1, [Meaning]=percent value of VAT rate having code 1, [Range]=0 to 99, [Field]=ALIQ2, [Meaning]=percent value of VAT rate having code 2, [Range]=0 to 99, [Field]=ALIQ3, [Meaning]=percent value of VAT rate having code 3, [Range]=0 to 99, [Field]=ALIQ4, [Meaning]=percent value of VAT rate having code 4, [Range]=0 to 99,
B90 --- COMPUTER AND CONNECTION STATUS	[B90]	[INDI:PG:comando;...] Command fields are optional. INDI=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent. (4 bytes) PG=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent. (2 bytes) [Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
		[****;comando;...] Command fields are optional. tells the cash register to send host the entire history file stored in its memory
		[XXXX;XX;comando;...] Command fields are optional. tells the cash register to send the history file starting from the point where the pointers are
B99 --- IDENTIFIER OF ICON LOADING END	[B99]	[COUNT] [Field]=COUNT, [Meaning]=number of received bytes,
D01 --- RESUME OF PENDING RECEIPT	[D01:SUBTOT:PEZZI:FSF:STATOCASSA:FLAGERR:STATOSCO]	ACK if correctly received NAK if not correctly received [Field]=SUBTOT, [Meaning]=receipt subtotal, [Field]=PEZZI, [Meaning]=items number, [Field]=FSF, [Meaning]=number of fiscal receipts issued, [Field]=STATOCASSA, [Meaning]=internal status of the cash register, [Field]=FLAGERR, [Meaning]=eventual error code, [Field]=STATOSCO, [Meaning]=status of the receipt, [Range]=0 = closed 1 = fiscal receipt 2 = non-fiscal receipt,
D01 --- RESUME OF PENDING RECEIPT	[D01:SUBTOT:PEZZI:FSF:STATOCASSA:FLAGERR:STATOSCO]	ACK if correctly received NAK if not correctly received [Field]=SUBTOT, [Meaning]=receipt subtotal, [Field]=PEZZI, [Meaning]=items number, [Field]=FSF, [Meaning]=number of fiscal receipts issued, [Field]=STATOCASSA, [Meaning]=internal status of the cash register, [Field]=FLAGERR, [Meaning]=eventual error code, [Field]=STATOSCO, [Meaning]=status of the receipt, [Range]=0 = closed 1 = fiscal receipt 2 = non-fiscal receipt,
D02 --- ELECTRONIC JOURNAL INFORMATION	[D02:EJN:EJDATE:FISCDATE:GINIPER:GENDPER:EJPERC]	ACK if correctly received NAK if not correctly received [Field]=EJN, [Meaning]=electronic journal number,

[Field]=EJDATE, [Meaning]=electronic journal init date,
 [Field]=FISCDATE, [Meaning]=fiscal init date,
 [Field]=GINIPER, [Meaning]=period start date,
 [Field]=GENDPER, [Meaning]=period end date,
 [Field]=EJPERC, [Meaning]=percentage of filling,

C00 --- HISTORY FILE EMPTY	|C00:INDI:PG:*.DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		
C01 01 HISTORY RECORD OF BILL START	|C01:INDI:PG:01:DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=01, [Meaning]=identifier of type of activity history file record, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		
C01 02 HISTORY RECORD OF DEPARTMENT SALE	|C01:INDI:PG:02:---:REPARTO:SALEAMOUNT:SOLDQTY:OPER:DOC|	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=02, [Meaning]=identifier of type of activity history file record, [Field]=---, [Meaning]=meaningless field, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=SALEAMOUNT, [Meaning]=amount of the sale, [Range]=quantity by unit price, [Field]=SOLDQTY, [Meaning]=sold quantity, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		
C01 02 HISTORY RECORD OF PLU SALE	|C01:INDI:PG:02:PLU:REPARTO:SALEAMOUNT:SOLDQTY:OPER:DOC|	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=02, [Meaning]=identifier of type of activity history file record, [Field]=PLU, [Meaning]=code of PLU to which the operation applies, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=SALEAMOUNT, [Meaning]=amount of the sale, [Range]=quantity by unit price, [Field]=SOLDQTY, [Meaning]=sold quantity, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		
C01 03 HISTORY RECORD OF PAST VOID ON DEPARTMENT	|C01:INDI:PG:03:---:REPARTO:PVAMOUNT:PVQTY:OPER:DOC|	ACK if correctly received NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=03, [Meaning]=identifier of type of activity history file record,
 [Field]=--, [Meaning]=meaningless field,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=PVAMOUNT, [Meaning]=amount of the past void, [Range]=quantity by typed-in past void value. The first character of a past void is a minus sign ('-').,
 [Field]=PVQTY, [Meaning]=number of items past voided,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 03 HISTORY RECORD OF PAST VOID OF PLU.
Note: the DISCOUNT record precede this record in case of PLU discount performed.

[C01:INDI:PG:03:PLU:REPARTO:PVAMOUNT:PVQTY:OPER:DOC]

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=03, [Meaning]=identifier of type of activity history file record,
 [Field]=PLU, [Meaning]=code of PLU to which the operation applies,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=PVAMOUNT, [Meaning]=amount of the past void, [Range]=quantity by typed-in past void value. The first character of a past void is a minus sign ('-').,
 [Field]=PVQTY, [Meaning]=number of items past voided,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 04 HISTORY RECORD OF RETURN ON DEPARTMENT.
Note: the DISCOUNT record precede this record in case of DEPARTMENT discount performed.

[C01:INDI:PG:04:---:REPARTO:REFAMOUNT:REFQTY:OPER:DOC]

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=04, [Meaning]=identifier of type of activity history file record,
 [Field]=---, [Meaning]=meaningless field,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=REFAMOUNT, [Meaning]=amount of the refund operation, [Range]=quantity by typed-in value. The first character is a minus sign ('-').,
 [Field]=REFQTY, [Meaning]=number of refunded items,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 04 HISTORY RECORD OF RETURN OF PLU

[C01:INDI:PG:04:PLU:REPARTO:REFAMOUNT:REFQTY:OPER:DOC]

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=04, [Meaning]=identifier of type of activity history file record,
 [Field]=PLU, [Meaning]=code of PLU to which the operation applies,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=REFAMOUNT, [Meaning]=amount of the refund operation, [Range]=quantity by typed-in value. The first character is a minus sign ('-').,
 [Field]=REFQTY, [Meaning]=number of refunded items,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 05 HISTORY RECORD OF CREDIT NOTE	[C01:INDI:PG:05:PLU:REPARTO:REFAMOUNT:REFQTY:OPER:DOC]	ACK if correctly received NAK if not correctly received
	[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=05, [Meaning]=identifier of type of activity history file record, [Field]=PLU, [Meaning]=code of PLU to which the operation applies, [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250, [Field]=REFAMOUNT, [Meaning]=amount of the refund operation, [Range]=quantity by typed-in value. The first character is a minus sign ('-'). [Field]=REFQTY, [Meaning]=number of refunded items, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 06 HISTORY RECORD OF VOID	[C01:INDI:PG:06:OPER:DOC]	ACK if correctly received NAK if not correctly received
	[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=06, [Meaning]=identifier of type of activity history file record, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 07 HISTORY RECORD OF DISCOUNT ON ITEM	[C01:INDI:PG:07:DISAMOUNT:OPER:DOC]	ACK if correctly received NAK if not correctly received
	[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=07, [Meaning]=identifier of type of activity history file record, [Field]=DISAMOUNT, [Meaning]=deducted amount, [Range]=The first character of the deducted amount is a minus sign ('-'). [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 08 HISTORY RECORD OF AUTOMATIC DISCOUNT	[C01:INDI:PG:08:DISAMOUNT:OPER:DOC]	ACK if correctly received NAK if not correctly received
	[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=08, [Meaning]=identifier of type of activity history file record, [Field]=DISAMOUNT, [Meaning]=deducted amount, [Range]=The first character of the deducted amount is a minus sign ('-'). [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 09 HISTORY RECORD OF SUBTOTAL	[C01:INDI:PG:09:SBTITEM:SBTAMOUNT:OPER:DOC]	ACK if correctly received NAK if not correctly received
	[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=09, [Meaning]=identifier of type of activity history file record, [Field]=SBTITEM, [Meaning]=number of items in subtotal, [Field]=SBTAMOUNT, [Meaning]=amount of subtotal, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,	

[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 10 HISTORY RECORD OF DISCOUNT ON SUBTOTAL	|C01:INDI:PG:10:DISAMOUNT:OPER:DOC|	ACK if correctly received NAK if not correctly received
---	-----------------------------------	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=10, [Meaning]=identifier of type of activity history file record,
[Field]=DISAMOUNT, [Meaning]=deducted amount, [Range]=The first character of the deducted amount is a minus sign ('-').,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 11 HISTORY RECORD OF PAYMENTS	|C01:INDI:PG:11:PAYTYPE:ECXPAG:PAYAM:OPER:DOC|	ACK if correctly received NAK if not correctly received
-----------------------------------	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=11, [Meaning]=identifier of type of activity history file record,
[Field]=PAYTYPE, [Meaning]=type of payment, [Range]=0 = default, 21 = by use of pre-paid chip card,

[Field]=ECXPAG, [Meaning]=form of payment identifier, [Range]=0 ÷ 39 = form of payment 1 ÷ form of payment 40 (if available),
[Field]=PAYAM, [Meaning]=amount of payment,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 12 HISTORY RECORD OF RECEIPT END	|C01:INDI:PG:12:P:FST:FSF:TS:MATRICOLA:DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------------------------------------	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=12, [Meaning]=identifier of type of activity history file record,
[Field]=P, [Meaning]=number of items in the receipt,
[Field]=FST, [Meaning]=total number of (fiscal and non-fiscal) receipts issued,
[Field]=FSF, [Meaning]=number of fiscal receipts issued,
[Field]=TS, [Meaning]=total amount of receipt,
[Field]=MATRICOLA, [Meaning]=cash register serial number,
[Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
[Field]=TCASSA, [Meaning]=cash register type identifier,
[Field]=RELSW, [Meaning]=software release identifier,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 13 HISTORY RECORD OF MISCELLANEOUS FUNCTIONS	|C01:INDI:PG:13:TASTO:YYYY...:OPER:DOC|	ACK if correctly received NAK if not correctly received
--	---------------------------------------	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=13, [Meaning]=identifier of type of activity history file record,

[Field]=TASTO, [Meaning]=function key, [Range]=0=function key F0
 1=function key F1
 2=function key F2
 3=function key F3
 4=function key F4
 5=function key F5
 6=function key F6
 7=function key F7
 8=function key F8
 9=function key F9,

C01 14 HISTORY RECORD OF CASH RECEIVED ON ACCOUNT OPENING [C01:INDI:PG:14:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=14, [Meaning]=identifier of type of activity history file record,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 15 HISTORY RECORD OF CASH PAID OUT OPENING [C01:INDI:PG:15:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=15, [Meaning]=identifier of type of activity history file record,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 16 HISTORY RECORD OF END OF CASH RECEIVED ON ACCOUNT [C01:INDI:PG:16:TOTALESALDI:MATRICOLA:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=16, [Meaning]=identifier of type of activity history file record,
 [Field]=TOTALESALDI, [Meaning]=total of balance made,
 [Field]=MATRICOLA, [Meaning]=cash register serial number,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

17 HISTORY RECORD OF END OF CASH PAID OUT [C01:INDI:PG:17:TOTALEPRELIEVO:MATRICOLA:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=17, [Meaning]=identifier of type of activity history file record,
 [Field]=TOTALEPRELIEVO, [Meaning]=total amount taken out,
 [Field]=MATRICOLA, [Meaning]=cash register serial number,

[Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 18 HISTORY RECORD OF CASH PAID OUT LINE |C01:INDI:PG:18:ECXPAG:OUTAMOUNT:OPER:DOC| ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
 The cash register will start sending the history file beginning from the next record. The value of INDI is
 transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
 register will start sending the history file from the next record. The value of PG is transmitted to the host
 every time a history file record is sent., [Range]=2 bytes,
 [Field]=18, [Meaning]=identifier of type of activity history file record,
 [Field]=ECXPAG, [Meaning]=form of payment identifier, [Range]=0 ÷ 39 = form of payment 1 ÷ form of
 payment 40 (if available),
 [Field]=OUTAMOUNT, [Meaning]=amount taken out,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 19 HISTORY RECORD OF CASH RECEIVED ON ACCOUNT LINE |C01:INDI:PG:19:ECXPAG:BALAMOUNT:OPER:DOC| ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
 The cash register will start sending the history file beginning from the next record. The value of INDI is
 transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
 register will start sending the history file from the next record. The value of PG is transmitted to the host
 every time a history file record is sent., [Range]=2 bytes,
 [Field]=19, [Meaning]=identifier of type of activity history file record,
 [Field]=ECXPAG, [Meaning]=form of payment identifier, [Range]=0 ÷ 39 = form of payment 1 ÷ form of
 payment 40 (if available),
 [Field]=BALAMOUNT, [Meaning]=amount of balance made,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 20 HISTORY RECORD OF RECEIPT CLOSING WITH BALANCE RECALL |C01:INDI:PG:20:TOTSCONTRINO:OPER:DOC| ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
 The cash register will start sending the history file beginning from the next record. The value of INDI is
 transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
 register will start sending the history file from the next record. The value of PG is transmitted to the host
 every time a history file record is sent., [Range]=2 bytes,
 [Field]=20, [Meaning]=identifier of type of activity history file record,
 [Field]=TOTSCONTRINO, [Meaning]=total of receipt,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 21 HISTORY RECORD OF ROUNDING-OFF |C01:INDI:PG:21:TOTARR:OPER:DOC| ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
 The cash register will start sending the history file beginning from the next record. The value of INDI is
 transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
 register will start sending the history file from the next record. The value of PG is transmitted to the host
 every time a history file record is sent., [Range]=2 bytes,
 [Field]=21, [Meaning]=identifier of type of activity history file record,
 [Field]=TOTARR, [Meaning]=amount of rounding-offs,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 22 HISTORY RECORD OF RECEIPT OPENING WITH BALANCE RECALL |C01:INDI:PG:22:DATAORA:TCASSA:RELSW:OPER:DOC| ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
 The cash register will start sending the history file beginning from the next record. The value of INDI is
 transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=22, [Meaning]=identifier of type of activity history file record,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 23 HISTORY RECORD OF ACTIVITY OPENING |C01:INDI:PG:23:DATAORA:TCASSA:RELSW:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=23, [Meaning]=identifier of type of activity history file record,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 24 HISTORY RECORD OF ACTIVITY CLOSING |C01:INDI:PG:24:DATAORA:TCASSA:RELSW:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=24, [Meaning]=identifier of type of activity history file record,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 25 HISTORY RECORD OF CLERK'S CHANGE |C01:INDI:PG:25:CODOP:DATAORA:TCASSA:RELSW:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=25, [Meaning]=identifier of type of activity history file record,
 [Field]=CODOP, [Meaning]=clerk's code, [Range]=2 digits, 01 through 99,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 26 HISTORY RECORD OF CHANGE |C01:INDI:PG:26:CASH:RESTO:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=26, [Meaning]=identifier of type of activity history file record,
 [Field]=CASH, [Meaning]=form of payment 1 (default: cash), [Range]=always 0,
 [Field]=RESTO, [Meaning]=amount of change, [Range]=This value has a leading minus sign ('-'),
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 27	HISTORY RECORD OF END OF RETURNS	|C01:INDI:PG:27:TOTALERESOMERCE:MATRICOLA:DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
		[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=27, [Meaning]=identifier of type of activity history file record, [Field]=TOTALERESOMERCE, [Meaning]=total amount of returned items, [Field]=MATRICOLA, [Meaning]=cash register serial number, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 28	HISTORY RECORD OF RECEIPT OPENING WITH RETURN	|C01:INDI:PG:28:DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
		[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=28, [Meaning]=identifier of type of activity history file record, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 30	HISTORY RECORD OF SPECIAL OFFERS	|C01:INDI:PG:30:SHOFFCODE:OFFDEPT:OFFAMOUNT:NOFFERTE:OPER:DOC|	ACK if correctly received NAK if not correctly received
		[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=30, [Meaning]=identifier of type of activity history file record, [Field]=SHOFFCODE, [Meaning]=special offer code, [Range]=4 digits, [Field]=OFFDEPT, [Meaning]=department associated to the special offer, [Field]=OFFAMOUNT, [Meaning]=value deducted from special offer, [Range]=The first character of the amount is a minus sign ('-')., [Field]=NOFFERTE, [Meaning]=number of special offers applied, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 31	HISTORY RECORD OF PROMOTIONAL ACTIONS ON RECEIPT SUBTOTAL	|C01:INDI:PG:31:PAAMOUNT:OPER:DOC|	ACK if correctly received NAK if not correctly received
		[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=31, [Meaning]=identifier of type of activity history file record, [Field]=PAAMOUNT, [Meaning]=value deducted from promotional action, [Range]=The first character of the amount is a minus sign ('-')., [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,	
C01 32	HISTORY RECORD OF COUPONS	|C01:INDI:PG:32:COUPON:PUNTI:OPER:DOC|	ACK if correctly received NAK if not correctly received
		[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,	

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=32, [Meaning]=identifier of type of activity history file record,
 [Field]=COUPON, [Meaning]=type of coupon issued, [Range]=1 through 4,
 [Field]=PUNTI, [Meaning]=number of points accrued,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 33	HISTORY RECORD OF ACTIVE CUSTOMER	|C01:INDI:PG:33:CODCLI:TIPO:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	-----------------------------------	-------------------------------------	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=33, [Meaning]=identifier of type of activity history file record,
 [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,
 [Field]=TIPO, [Meaning]=type of customer's chip card, [Range]=0 = none
 20 = identity card
 21 = pre-paid card
 22 = fidelity card
 23 = 'mixed' card,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 34	HISTORY RECORD OF CHARGE RECOVERY OPENING	|C01:INDI:PG:34:DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=34, [Meaning]=identifier of type of activity history file record,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 35	HISTORY RECORD OF CHARGE RECOVERY LINE	|C01:INDI:PG:35:PAYTYPE:ECXPAG:PAYAM:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=35, [Meaning]=identifier of type of activity history file record,
 [Field]=PAYTYPE, [Meaning]=type of payment, [Range]=0 = default, 21 = by use of pre-paid chip card,
 [Field]=ECXPAG, [Meaning]=form of payment identifier, [Range]=0 ÷ 39 = form of payment 1 ÷ form of payment 40 (if available),
 [Field]=PAYAM, [Meaning]=amount of payment,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 36	HISTORY RECORD OF CHARGE RECOVERY CLOSING	|C01:INDI:PG:36:TOTSCONTRINO:MATRICOLA:DATAORA:TCASSA:RELSW:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=36, [Meaning]=identifier of type of activity history file record,
 [Field]=TOTSCONTRINO, [Meaning]=total of receipt,

[Field]=MATRICOLA, [Meaning]=cash register serial number,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 37 HISTORY RECORD OF CUSTOMER'S CHIP CARD UPDATING AT END OF RECEIPT	<p>[C01:INDI:PG:37:CODCLI:TPO:EUROFLAG:CREDINIZ:CREFINA:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=37, [Meaning]=identifier of type of activity history file record, [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits, [Field]=TIPO, [Meaning]=type of customer's chip card, [Range]=0 = none 20 = identity card 21 = pre-paid card 22 = fidelity card 23 = 'mixed' card, [Field]=EUROFLAG, [Meaning]=chip card value currency, [Range]=128=euro 0=lire, [Field]=CREDINIZ, [Meaning]=credit before transaction, [Field]=CREFINA, [Meaning]=credit after transaction, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	ACK if correctly received NAK if not correctly received
C01 38 HISTORY RECORD OF END OF RECEIPT	<p>[C01:INDI:PG:38:P:FST:FSF:TS:MATRICOLA:DATAORA:TCASSA:RELSW:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=P, [Meaning]=number of items in the receipt, [Field]=FST, [Meaning]=total number of (fiscal and non-fiscal) receipts issued, [Field]=FSF, [Meaning]=number of fiscal receipts issued, [Field]=TS, [Meaning]=total amount of receipt, [Field]=MATRICOLA, [Meaning]=cash register serial number, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	ACK if correctly received NAK if not correctly received
C01 39 HISTORY RECORD OF DISCOUNT ON ITEM	<p>[C01:INDI:PG:39:DISAMOUNT:NMOD:DATAORA:TCASSA:RELSW:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=DISAMOUNT, [Meaning]=deducted amount, [Range]=The first character of the deducted amount is a minus sign ('-')., [Field]=NMOD, [Meaning]=number of discount/additional charge mode, [Range]=1 through 20, [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm, [Field]=TCASSA, [Meaning]=cash register type identifier, [Field]=RELSW, [Meaning]=software release identifier, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	ACK if correctly received NAK if not correctly received
C01 40 HISTORY RECORD OF AUTOMATIC DISCOUNT	<p>[C01:INDI:PG:40:DISAMOUNT:NMOD:OPER:DOC]</p>	ACK if correctly received NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=DISAMOUNT, [Meaning]=deducted amount, [Range]=The first character of the deducted amount is a minus sign ('-').,
 [Field]=NMOD, [Meaning]=number of discount/additional charge mode, [Range]=1 through 20,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 41	HISTORY RECORD OF DEPARTMENT POINTS FOR FIDELITY	|C01:INDI:PG:41:REPARTO:LINEA:NPUNTI:TOTPUNTI:FNSCONTI:TOTSCONTI:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=LINEA, [Meaning]=code of the fidelity line, [Range]=0 through 2,
 [Field]=NPUNTI, [Meaning]=number of points issuing,
 [Field]=TOTPUNTI, [Meaning]=total number of points issued,
 [Field]=FNSCONTI, [Meaning]=number of discounts performed, [Range]=field transmitted as 0,
 [Field]=TOTSCONTI, [Meaning]=total amount of discounts performed, [Range]=field transmitted as 0,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 42	HISTORY RECORD OF DEPARTMENT DISCOUNTS FOR FIDELITY	|C01:INDI:PG:42:REPARTO:LINEA:DNPUNTI:DTOTPUNTI:DFNSCONTI:DTOTSCONTI:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=LINEA, [Meaning]=code of the fidelity line, [Range]=0 through 2,
 [Field]=DNPUNTI, [Meaning]=number of points issuing, [Range]=field transmitted as 0,
 [Field]=DTOTPUNTI, [Meaning]=total number of points issued, [Range]=field transmitted as 0,
 [Field]=DFNSCONTI, [Meaning]=number of discounts performed,
 [Field]=DTOTSCONTI, [Meaning]=total amount of discounts performed,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 43	HISTORY RECORD OF RECEIPT POINTS FOR FIDELITY	|C01:INDI:PG:43:LINEA:NPUNTI:TOTPUNTI:FNSCONTI:TOTSCONTI:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=LINEA, [Meaning]=code of the fidelity line, [Range]=0 through 2,
 [Field]=NPUNTI, [Meaning]=number of points issuing,
 [Field]=TOTPUNTI, [Meaning]=total number of points issued,
 [Field]=FNSCONTI, [Meaning]=number of discounts performed, [Range]=field transmitted as 0,
 [Field]=TOTSCONTI, [Meaning]=total amount of discounts performed, [Range]=field transmitted as 0,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 44	HISTORY RECORD OF RECEIPT DISCOUNTS FOR FIDELITY	|C01:INDI:PG:44:LINEA:DNPUNTI:DTOTPUNTI:DFNSCONTI:DTOTSCONTI:OPER:DOC|	ACK if correctly received NAK if not correctly received
--------	--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=LINEA, [Meaning]=code of the fidelity line, [Range]=0 through 2,
 [Field]=DNPUNTI, [Meaning]=number of points issuing, [Range]=field transmitted as 0,
 [Field]=DTOTPUNTI, [Meaning]=total number of points issued, [Range]=field transmitted as 0,
 [Field]=DFNSCONTI, [Meaning]=number of discounts performed,
 [Field]=DTOTSCONTI, [Meaning]=total amount of discounts performed,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 45 HISTORY RECORD OF DAILY ZEROSETTING [C01:INDI:PG:45:NCHIUSURA:NETTOFISC:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=45, [Meaning]=identifier of type of activity history file record,
 [Field]=NCHIUSURA, [Meaning]=number of daily zerosetting,
 [Field]=NETTOFISC, [Meaning]=total net fiscal amount,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 46 HISTORY RECORD OF RECEIPT OPENING WITH CREDIT NOTE [C01:INDI:PG:46:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 47 HISTORY RECORD OF CREDIT NOTE RECEIPT END [C01:INDI:PG:48:P:FST:FSF:FCN:TS:MATRICOLA:NUMCAM:NUMTAV:DATAORA:TCASSA:RELSW:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=P, [Meaning]=number of items in the receipt,
 [Field]=FST, [Meaning]=total number of (fiscal and non-fiscal) receipts issued,
 [Field]=FSF, [Meaning]=number of fiscal receipts issued,
 [Field]=FCN, [Meaning]=number of fiscal Credit Note issued,
 [Field]=TS, [Meaning]=total amount of receipt,
 [Field]=MATRICOLA, [Meaning]=cash register serial number,
 [Field]=NUMCAM, [Meaning]=waiter's number, [Range]=1 through 20,
 [Field]=NUMTAV, [Meaning]=table number,
 [Field]=DATAORA, [Meaning]=date and time, [Range]=DDMMYYhhmm,
 [Field]=TCASSA, [Meaning]=cash register type identifier,
 [Field]=RELSW, [Meaning]=software release identifier,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C01 48 HISTORY RECORD OF END OF RECEIPT FOR FIDELITY [C01:INDI:PG:48:CODCLI:DESCRIZ:PUNTI:PREC:TSALDOPUNTI:PUNTIJOLLY:PUNTI:TRANS:SCONTITRANS:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,
 [Field]=PUNTIPREC, [Meaning]=points before transaction,
 [Field]=TSALDOPUNTI, [Meaning]=total of points accrued after transaction,
 [Field]=PUNTIJOLLY, [Meaning]=transaction jolly points,
 [Field]=PUNTITRANS, [Meaning]=transaction points,
 [Field]=SCONTITRANS, [Meaning]=transaction discounts,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C02 --- DEPARTMENT REPORT HISTORY RECORD
 NOTE: two records are sent for each department, one record concerns the daily data, the other the period data. The reports contain only the departments daily or period data of which are different from zero. The execution of this interactivity may take a relatively long time.

[C02:INDI:PG:REPARTO:DPTGRUPPO:NPEZZI:IMPPEZZI:NCLIENTI:NMOD:IMPMOD:NSCONTI:IMPSCO
 NTI:NOFFERTE:TOTOFFERTE:NRESI:TOTRESI:G/P:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=DPTGRUPPO, [Meaning]=group to which the department belongs, [Range]=0-11,
 [Field]=NPEZZI, [Meaning]=number of items sold, or weight if department is programmed for sales by weight,
 [Field]=IMPPEZZI, [Meaning]=total amount of items,
 [Field]=NCLIENTI, [Meaning]=number of department customers,
 [Field]=NMOD, [Meaning]=number of discount/additional charge mode, [Range]=1 through 20,
 [Field]=IMPMOD, [Meaning]=amount of discounts/additional charges,
 [Field]=NSCONTI, [Meaning]=number of automatic discounts.,
 [Field]=IMPSCONTI, [Meaning]=amount of automatic discounts,
 [Field]=NOFFERTE, [Meaning]=number of special offers applied,
 [Field]=TOTOFFERTE, [Meaning]=amount of special offers,
 [Field]=NRESI, [Meaning]=number of refunds performed,
 [Field]=TOTRESI, [Meaning]=amount of refunds,
 [Field]=G/P, [Meaning]=indicates whether the report refers to a daily total (G) or a period total (P),
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C03 --- VAT REPORT HISTORY RECORD
 NOTE: two records are sent for each VAT rate. One concerns the daily data, the other concerns the period data. The reports contain only the rates that have daily or period data different from zero.

[C03:INDI:PG:ALIQ:TOTIMPON:TOTIMPOSTA:TOTIMPON_CREDIT:TOTIMPOSTA_CREDIT:TOTIMPON_I
 NVOICE:TOTIMPOSTA_INVOICE:TOTIMPON_RECEIPT:TOTIMPOSTA_RECEIPT:G/P:IVA:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=ALIQ, [Meaning]=VAT rate percentage, [Range]=0 to 99,
 [Field]=TOTIMPON, [Meaning]=total amount on which VAT is to be calculated,
 [Field]=TOTIMPOSTA, [Meaning]=total amount of VAT,
 [Field]=TOTIMPON_CREDIT, [Meaning]=Credit Note total amount on which VAT is to be calculated,
 [Field]=TOTIMPOSTA_CREDIT, [Meaning]=Credit Note total amount of VAT,
 [Field]=TOTIMPON_INVOICE, [Meaning]=Invoice total amount on which VAT is to be calculated,
 [Field]=TOTIMPOSTA_INVOICE, [Meaning]=Invoice total amount of VAT,
 [Field]=TOTIMPOSTA_RECEIPT, [Meaning]=Receipt total amount of VAT,
 [Field]=G/P, [Meaning]=indicates whether the report refers to a daily total (G) or a period total (P),
 [Field]=IVA, [Meaning]=VAT rate code,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

<p>C04 --- PLU REPORT HISTORY RECORD NOTE: two records are sent for each PLU. One concerns the daily data, the other concerns the period data. The reports contain only the PLUs the daily or period data of which are different from zero. The execution of this activity may take a relatively long time.</p>	<p>[C04:INDI:PG:PLUCODE:NART:TOTIMPOR:G/P:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=PLUCODE, [Meaning]=PLU code, [Range]=max 18 characters if alphanumeric. If the PLU code is alphanumeric, it can contain ASCII characters from 032 to 127, with the exception of characters 058 and 059., [Field]=NART, [Meaning]=number of items sold, [Field]=TOTIMPOR, [Meaning]=total amount of sales, [Field]=G/P, [Meaning]=indicates whether the report refers to a daily total (G) or a period total (P), [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
<p>C05 0 CLERKS' REPORT HISTORY RECORD CAUTION: due to its length, each clerks' report is divided in 9 records identified by a number (0-8). The clerk's code is entered only in record type 0. Eight records related to same clerk ALWAYS follow the first record. The end of report record is "*", that is a record with the usual format. It is sent after record 8 of the last clerk sent. Only the clerks who performed operations are sent.</p>	<p>[C05:INDI:PG:0:CODOP:FST:NCLI:NART:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=0, [Meaning]=record type identifier, [Field]=CODOP, [Meaning]=clerk's code, [Range]=2 digits, 01 through 99, [Field]=FST, [Meaning]=total number of (fiscal and non-fiscal) receipts issued, [Field]=NCLI, [Meaning]=number of customers served, [Field]=NART, [Meaning]=number of items sold, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
<p>C05 1 CLERKS' REPORT HISTORY RECORD (TOTAL AMOUNTS)</p>	<p>[C05:INDI:PG:1:LORDOBAT:LORDOVEND:NETTOFISC:NORIS:RIPSA:RECRD:GIARIS:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=1, [Meaning]=record type identifier, [Field]=LORDOBAT, [Meaning]=total gross amount typed-in, [Field]=LORDOVEND, [Meaning]=total gross amount of sales, [Field]=NETTOFISC, [Meaning]=total net fiscal amount, [Field]=NORIS, [Meaning]=totalizer of not cashed-in amounts, [Field]=RIPSA, [Meaning]=balance recall totalizer, [Field]=RECRD, [Meaning]=charge recovery totalizer, [Field]=GIARIS, [Meaning]=totalizer of already cashed-in amounts, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
<p>C05 2 CLERKS' REPORT HISTORY RECORD (TOTAL VOIDS)</p>	<p>[C05:INDI:PG:2:NANNU:TOTANNU:NSTOR:TOTSTOR:NRESI:TOTRESI:NARR:TOTARR:NSCAN:TOTSCA N:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,</p>	<p>ACK if correctly received NAK if not correctly received</p>

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=2, [Meaning]=record type identifier,
 [Field]=NANNU, [Meaning]=number of voids performed,
 [Field]=TOTANNU, [Meaning]=amount of voids,
 [Field]=NSTOR, [Meaning]=number of past voids performed,
 [Field]=TOTSTOR, [Meaning]=amount of past voids,
 [Field]=NRESI, [Meaning]=number of refunds performed,
 [Field]=TOTRESI, [Meaning]=amount of refunds,
 [Field]=NARR, [Meaning]=number of rounding-offs performed,
 [Field]=TOTARR, [Meaning]=amount of rounding-offs,
 [Field]=NSCAN, [Meaning]=number of receipts voided,
 [Field]=TOTSCAN, [Meaning]=amount of voided receipts,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 3	CLERKS' REPORT HISTORY RECORD (DISCOUNTS)	[C05:INDI:PG:3:NVA:TOTVA:NOFFERTE:TOTOFFERTE:NVART:TOTVART:NVSUB:TOTVSUB:NDETR:TO TDETR:OPER:DOC]	ACK if correctly received NAK if not correctly received
-------	---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=3, [Meaning]=record type identifier,
 [Field]=NVA, [Meaning]=number of automatic price changes,
 [Field]=TOTVA, [Meaning]=amount of automatic price changes,
 [Field]=NOFFERTE, [Meaning]=number of special offers applied,
 [Field]=TOTOFFERTE, [Meaning]=amount of special offers,
 [Field]=NVART, [Meaning]=number of item price changes,
 [Field]=TOTVART, [Meaning]=amount of item price changes,
 [Field]=NVSUB, [Meaning]=number of changes on subtotal,
 [Field]=TOTVSUB, [Meaning]=amount of changes on subtotal,
 [Field]=NDETR, [Meaning]=number of discounts/additional charges operations,
 [Field]=TOTDETR, [Meaning]=total amount of discounts/additional charges,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 4	CLERKS' REPORT HISTORY RECORD (PAYMENTS) CAUTION: the clerks' report relevant to payments is divided in 4 records.	[C05:INDI:PG:4:NPAG1:TOTPAG1:NPAG2:TOTPAG2:NPAG3:TOTPAG3:NPAG4:TOTPAG4:NPAG5:TOTPAG5:NPAG6:TOTPAG6:NPAG7:TOTPAG7:NPAG8:TOTPAG8:NPAG9:TOTPAG9:NPAG10:TOTPAG10:OPER:DOC]	ACK if correctly received NAK if not correctly received
-------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=4, [Meaning]=record type identifier,
 [Field]=NPAG1, [Meaning]=number of payments performed in form of payment no. 1,
 [Field]=TOTPAG1, [Meaning]=amount of payments performed in form of payment no. 1,
 [Field]=NPAG2, [Meaning]=number of payments performed in form of payment no. 2,
 [Field]=TOTPAG2, [Meaning]=amount of payments performed in form of payment no. 2,
 [Field]=NPAG3, [Meaning]=number of payments performed in form of payment no. 3,
 [Field]=TOTPAG3, [Meaning]=amount of payments performed in form of payment no. 3,
 [Field]=NPAG4, [Meaning]=number of payments performed in form of payment no. 4,
 [Field]=TOTPAG4, [Meaning]=amount of payments performed in form of payment no. 4,
 [Field]=NPAG5, [Meaning]=number of payments performed in form of payment no. 5,
 [Field]=TOTPAG5, [Meaning]=amount of payments performed in form of payment no. 5,
 [Field]=NPAG6, [Meaning]=number of payments performed in form of payment no. 6,
 [Field]=TOTPAG6, [Meaning]=amount of payments performed in form of payment no. 6,
 [Field]=NPAG7, [Meaning]=number of payments performed in form of payment no. 7,
 [Field]=TOTPAG7, [Meaning]=amount of payments performed in form of payment no. 7,
 [Field]=NPAG8, [Meaning]=number of payments performed in form of payment no. 8,
 [Field]=TOTPAG8, [Meaning]=amount of payments performed in form of payment no. 8,
 [Field]=NPAG9, [Meaning]=number of payments performed in form of payment no. 9,
 [Field]=TOTPAG9, [Meaning]=amount of payments performed in form of payment no. 9,
 [Field]=NPAG10, [Meaning]=number of payments performed in form of payment no. 10,

[Field]=TOTPAG10, [Meaning]=amount of payments performed in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:4:N1:NPAG11:TOTPAG11:NPAG12:TOTPAG12:NPAG13:TOTPAG13:NPAG14:TOTPAG14:
NPAG15:TOTPAG15:NPAG16:TOTPAG16:NPAG17:TOTPAG17:NPAG18:TOTPAG18:NPAG19:TOTPAG1
9:NPAG20:TOTPAG20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,
[Field]=4, [Meaning]=record type identifier,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=form of payment no. 20, if
available),
[Field]=NPAG11, [Meaning]=number of payments performed in form of payment no. 11, [Range]=if
available,
[Field]=TOTPAG11, [Meaning]=amount of payments performed in form of payment no. 11, [Range]=if
available,
[Field]=NPAG12, [Meaning]=number of payments performed in form of payment no. 12, [Range]=if
available,
[Field]=TOTPAG12, [Meaning]=amount of payments performed in form of payment no. 12, [Range]=if
available,
[Field]=NPAG13, [Meaning]=number of payments performed in form of payment no. 13, [Range]=if
available,
[Field]=TOTPAG13, [Meaning]=amount of payments performed in form of payment no. 13, [Range]=if
available,
[Field]=NPAG14, [Meaning]=number of payments performed in form of payment no. 14, [Range]=if
available,
[Field]=TOTPAG14, [Meaning]=amount of payments performed in form of payment no. 14, [Range]=if
available,
[Field]=NPAG15, [Meaning]=number of payments performed in form of payment no. 15, [Range]=if
available,
[Field]=TOTPAG15, [Meaning]=amount of payments performed in form of payment no. 15, [Range]=if
available,
[Field]=NPAG16, [Meaning]=number of payments performed in form of payment no. 16, [Range]=if
available,
[Field]=TOTPAG16, [Meaning]=amount of payments performed in form of payment no. 16, [Range]=if
available,
[Field]=NPAG17, [Meaning]=number of payments performed in form of payment no. 17, [Range]=if
available,
[Field]=TOTPAG17, [Meaning]=amount of payments performed in form of payment no. 17, [Range]=if
available,
[Field]=NPAG18, [Meaning]=number of payments performed in form of payment no. 18, [Range]=if
available,
[Field]=TOTPAG18, [Meaning]=amount of payments performed in form of payment no. 18, [Range]=if
available,
[Field]=NPAG19, [Meaning]=number of payments performed in form of payment no. 19, [Range]=if
available,
[Field]=TOTPAG19, [Meaning]=amount of payments performed in form of payment no. 19, [Range]=if
available,
[Field]=NPAG20, [Meaning]=number of payments performed in form of payment no. 20, [Range]=if
available,
[Field]=TOTPAG20, [Meaning]=amount of payments performed in form of payment no. 20, [Range]=if
available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:4:N2:NPAG21:TOTPAG21:NPAG22:TOTPAG22:NPAG23:TOTPAG23:NPAG24:TOTPAG24:
NPAG25:TOTPAG25:NPAG26:TOTPAG26:NPAG27:TOTPAG27:NPAG28:TOTPAG28:NPAG29:TOTPAG2
9:NPAG30:TOTPAG30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,
[Field]=4, [Meaning]=record type identifier,

[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21-form of payment no. 30, if available),
[Field]=NPAG21, [Meaning]=number of payments performed in form of payment no. 21, [Range]=if available,
[Field]=TOTPAG21, [Meaning]=amount of payments performed in form of payment no. 21, [Range]=if available,
[Field]=NPAG22, [Meaning]=number of payments performed in form of payment no. 22, [Range]=if available,
[Field]=TOTPAG22, [Meaning]=amount of payments performed in form of payment no. 22, [Range]=if available,
[Field]=NPAG23, [Meaning]=number of payments performed in form of payment no. 23, [Range]=if available,
[Field]=TOTPAG23, [Meaning]=amount of payments performed in form of payment no. 23, [Range]=if available,
[Field]=NPAG24, [Meaning]=number of payments performed in form of payment no. 24, [Range]=if available,
[Field]=TOTPAG24, [Meaning]=amount of payments performed in form of payment no. 24, [Range]=if available,
[Field]=NPAG25, [Meaning]=number of payments performed in form of payment no. 25, [Range]=if available,
[Field]=TOTPAG25, [Meaning]=amount of payments performed in form of payment no. 25, [Range]=if available,
[Field]=NPAG26, [Meaning]=number of payments performed in form of payment no. 26, [Range]=if available,
[Field]=TOTPAG26, [Meaning]=amount of payments performed in form of payment no. 26, [Range]=if available,
[Field]=NPAG27, [Meaning]=number of payments performed in form of payment no. 27, [Range]=if available,
[Field]=TOTPAG27, [Meaning]=amount of payments performed in form of payment no. 27, [Range]=if available,
[Field]=NPAG28, [Meaning]=number of payments performed in form of payment no. 28, [Range]=if available,
[Field]=TOTPAG28, [Meaning]=amount of payments performed in form of payment no. 28, [Range]=if available,
[Field]=NPAG29, [Meaning]=number of payments performed in form of payment no. 29, [Range]=if available,
[Field]=TOTPAG29, [Meaning]=amount of payments performed in form of payment no. 29, [Range]=if available,
[Field]=NPAG30, [Meaning]=number of payments performed in form of payment no. 30, [Range]=if available,
[Field]=TOTPAG30, [Meaning]=amount of payments performed in form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:4:N3:NPAG31:TOTPA31:NPAG32:TOTPA32:NPAG33:TOTPA33:NPAG34:TOTPA34:NPAG35:TOTPA35:NPAG36:TOTPA36:NPAG37:TOTPA37:NPAG38:TOTPA38:NPAG39:TOTPA39:NPAG40:TOTPA40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,

[Field]=4, [Meaning]=record type identifier,

[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31-form of payment no. 40, if available),

[Field]=NPAG31, [Meaning]=number of payments performed in form of payment no. 31, [Range]=if available,

[Field]=TOTPAG31, [Meaning]=amount of payments performed in form of payment no. 31, [Range]=if available,

[Field]=NPAG32, [Meaning]=number of payments performed in form of payment no. 32, [Range]=if available,

[Field]=TOTPAG32, [Meaning]=amount of payments performed in form of payment no. 32, [Range]=if available,

[Field]=NPAG33, [Meaning]=number of payments performed in form of payment no. 33, [Range]=if available,

[Field]=TOTPAG33, [Meaning]=amount of payments performed in form of payment no. 33, [Range]=if available,

[Field]=NPAG34, [Meaning]=number of payments performed in form of payment no. 34, [Range]=if available,
 [Field]=TOTPAG34, [Meaning]=amount of payments performed in form of payment no. 34, [Range]=if available,
 [Field]=NPAG35, [Meaning]=number of payments performed in form of payment no. 35, [Range]=if available,
 [Field]=TOTPAG35, [Meaning]=amount of payments performed in form of payment no. 35, [Range]=if available,
 [Field]=NPAG36, [Meaning]=number of payments performed in form of payment no. 36, [Range]=if available,
 [Field]=TOTPAG36, [Meaning]=amount of payments performed in form of payment no. 36, [Range]=if available,
 [Field]=NPAG37, [Meaning]=number of payments performed in form of payment no. 37, [Range]=if available,
 [Field]=TOTPAG37, [Meaning]=amount of payments performed in form of payment no. 37, [Range]=if available,
 [Field]=NPAG38, [Meaning]=number of payments performed in form of payment no. 38, [Range]=if available,
 [Field]=TOTPAG38, [Meaning]=amount of payments performed in form of payment no. 38, [Range]=if available,
 [Field]=NPAG39, [Meaning]=number of payments performed in form of payment no. 39, [Range]=if available,
 [Field]=TOTPAG39, [Meaning]=amount of payments performed in form of payment no. 39, [Range]=if available,
 [Field]=NPAG40, [Meaning]=number of payments performed in form of payment no. 40, [Range]=if available,
 [Field]=TOTPAG40, [Meaning]=amount of payments performed in form of payment no. 40, [Range]=if available,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 5 CLERKS' REPORT HISTORY RECORD (ISSUED DOCUMENTS)	[C05:INDI:PG:5:FSF:FTOTSCF:NRIC:TOTRIC:NFAT:TOTFAT:OPER:DOC]	ACK if correctly received NAK if not correctly received
--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=5, [Meaning]=record type identifier,
 [Field]=FSF, [Meaning]=number of fiscal receipts issued,
 [Field]=FTOTSCF, [Meaning]=amount of fiscal receipts,
 [Field]=NRIC, [Meaning]=number of remote printer receipts,
 [Field]=TOTRIC, [Meaning]=amount of remote printer receipts,
 [Field]=NFAT, [Meaning]=number of invoices issued,
 [Field]=TOTFAT, [Meaning]=amount of invoices,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 5 CLERKS' REPORT HISTORY RECORD (ISSUED DOCUMENTS)	[C05:INDI:PG:5:FSF:FTOTSCF:NRIC:TOTRIC:NFAT:TOTFAT:NFATOPC:TOTFATOPC:GIFTRNO:GIFTRTOT:NNOCRE:TOTNOCRE:OPER:DOC]	ACK if correctly received NAK if not correctly received
--	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=5, [Meaning]=record type identifier,
 [Field]=FSF, [Meaning]=number of fiscal receipts issued,
 [Field]=FTOTSCF, [Meaning]=amount of fiscal receipts,
 [Field]=NRIC, [Meaning]=number of remote printer receipts,
 [Field]=TOTRIC, [Meaning]=amount of remote printer receipts,
 [Field]=NFAT, [Meaning]=number of invoices issued,
 [Field]=TOTFAT, [Meaning]=amount of invoices,
 [Field]=NFATOPC, [Meaning]=number of invoices sent to the computer,
 [Field]=TOTFATOPC, [Meaning]=amount of invoices sent to the computer,
 [Field]=GIFTRNO, [Meaning]=number of free of charge receipts issued,
 [Field]=GIFTRTOT, [Meaning]=amount of free of charge receipts,
 [Field]=NNOCRE, [Meaning]=number of credit note issues,

[Field]=TOTNOCRE, [Meaning]=total amount of credit note issue,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 6 CLERKS' REPORT HISTORY RECORD (RECEIVED ON ACCOUNT AMOUNTS)
CAUTION: the clerks' report relevant to received on account amounts is divided in 4 records.

C05:INDI:PG:6:NROA1:TOTROA1:NROA2:TOTROA2:NROA3:TOTROA3:NROA4:TOTROA4:NROA5:TOTROA5:NROA6:TOTROA6:NROA7:TOTROA7:NROA8:TOTROA8:NROA9:TOTROA9:NROA10:TOTROA10:OPER:DOC]

ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=6, [Meaning]=record type identifier,
[Field]=NROA1, [Meaning]=number of received on account operations in form of payment no. 1,
[Field]=TOTROA1, [Meaning]=amount received on account in form of payment no. 1,
[Field]=NROA2, [Meaning]=number of received on account operations in form of payment no. 2,
[Field]=TOTROA2, [Meaning]=amount received on account in form of payment no. 2,
[Field]=NROA3, [Meaning]=number of received on account operations in form of payment no. 3,
[Field]=TOTROA3, [Meaning]=amount received on account in form of payment no. 3,
[Field]=NROA4, [Meaning]=number of received on account operations in form of payment no. 4,
[Field]=TOTROA4, [Meaning]=amount received on account in form of payment no. 4,
[Field]=NROA5, [Meaning]=number of received on account operations in form of payment no. 5,
[Field]=TOTROA5, [Meaning]=amount received on account in form of payment no. 5,
[Field]=NROA6, [Meaning]=number of received on account operations in form of payment no. 6,
[Field]=TOTROA6, [Meaning]=amount received on account in form of payment no. 6,
[Field]=NROA7, [Meaning]=number of received on account operations in form of payment no. 7,
[Field]=TOTROA7, [Meaning]=amount received on account in form of payment no. 7,
[Field]=NROA8, [Meaning]=number of received on account operations in form of payment no. 8,
[Field]=TOTROA8, [Meaning]=amount received on account in form of payment no. 8,
[Field]=NROA9, [Meaning]=number of received on account operations in form of payment no. 9,
[Field]=TOTROA9, [Meaning]=amount received on account in form of payment no. 9,
[Field]=NROA10, [Meaning]=number of received on account operations in form of payment no. 10,
[Field]=TOTROA10, [Meaning]=amount received on account in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05:INDI:PG:6:N1:NROA11:TOTROA11:NROA12:TOTROA12:NROA13:TOTROA13:NROA14:TOTROA14:NROA15:TOTROA15:NROA16:TOTROA16:NROA17:TOTROA17:NROA18:TOTROA18:NROA19:TOTROA19:NROA20:TOTROA20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=6, [Meaning]=record type identifier,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=form of payment no. 20, if available),
[Field]=NROA11, [Meaning]=number of received on account operations in form of payment no. 11, [Range]=if available,
[Field]=TOTROA11, [Meaning]=amount received on account in form of payment no. 11, [Range]=if available,

[Field]=NROA12, [Meaning]=number of received on account operations in form of payment no. 12, [Range]=if available,
[Field]=TOTROA12, [Meaning]=amount received on account in form of payment no. 12, [Range]=if available,

[Field]=NROA13, [Meaning]=number of received on account operations in form of payment no. 13, [Range]=if available,
[Field]=TOTROA13, [Meaning]=amount received on account in form of payment no. 13, [Range]=if available,

[Field]=NROA14, [Meaning]=number of received on account operations in form of payment no. 14, [Range]=if available,
[Field]=TOTROA14, [Meaning]=amount received on account in form of payment no. 14, [Range]=if available,

[Field]=NROA15, [Meaning]=number of received on account operations in form of payment no. 15, [Range]=if available,

[Field]=TOTROA15, [Meaning]=amount received on account in form of payment no. 15, [Range]=if available,

[Field]=NROA16, [Meaning]=number of received on account operations in form of payment no. 16,
[Range]=if available,
[Field]=TOTROA16, [Meaning]=amount received on account in form of payment no. 16, [Range]=if available,

[Field]=NROA17, [Meaning]=number of received on account operations in form of payment no. 17,
[Range]=if available,
[Field]=TOTROA17, [Meaning]=amount received on account in form of payment no. 17, [Range]=if available,

[Field]=NROA18, [Meaning]=number of received on account operations in form of payment no. 18,
[Range]=if available,
[Field]=TOTROA18, [Meaning]=amount received on account in form of payment no. 18, [Range]=if available,

[Field]=NROA19, [Meaning]=number of received on account operations in form of payment no. 19,
[Range]=if available,
[Field]=TOTROA19, [Meaning]=amount received on account in form of payment no. 19, [Range]=if available,

[Field]=NROA20, [Meaning]=number of received on account operations in form of payment no. 20,
[Range]=if available,
[Field]=TOTROA20, [Meaning]=amount received on account in form of payment no. 20, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:6:N2:NROA21:TOTROA21:NROA22:TOTROA22:NROA23:TOTROA23:NROA24:TOTROA24:
NROA25:TOTROA25:NROA26:TOTROA26:NROA27:TOTROA27:NROA28:TOTROA28:NROA29:TOTROA
29:NROA30:TOTROA30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,

[Field]=6, [Meaning]=record type identifier,

[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21÷form of payment no. 30, if
available),

[Field]=NROA21, [Meaning]=number of received on account operations in form of payment no. 21,
[Range]=if available,

[Field]=TOTROA21, [Meaning]=amount received on account in form of payment no. 21, [Range]=if available,

[Field]=NROA22, [Meaning]=number of received on account operations in form of payment no. 22,
[Range]=if available,
[Field]=TOTROA22, [Meaning]=amount received on account in form of payment no. 22, [Range]=if available,

[Field]=NROA23, [Meaning]=number of received on account operations in form of payment no. 23,
[Range]=if available,
[Field]=TOTROA23, [Meaning]=amount received on account in form of payment no. 23, [Range]=if available,

[Field]=NROA24, [Meaning]=number of received on account operations in form of payment no. 24,
[Range]=if available,
[Field]=TOTROA24, [Meaning]=amount received on account in form of payment no. 24, [Range]=if available,

[Field]=NROA25, [Meaning]=number of received on account operations in form of payment no. 25,
[Range]=if available,
[Field]=TOTROA25, [Meaning]=amount received on account in form of payment no. 25, [Range]=if available,

[Field]=NROA26, [Meaning]=number of received on account operations in form of payment no. 26,
[Range]=if available,
[Field]=TOTROA26, [Meaning]=amount received on account in form of payment no. 26, [Range]=if available,

[Field]=NROA27, [Meaning]=number of received on account operations in form of payment no. 27,
[Range]=if available,
[Field]=TOTROA27, [Meaning]=amount received on account in form of payment no. 27, [Range]=if available,

[Field]=NROA28, [Meaning]=number of received on account operations in form of payment no. 28,
[Range]=if available,
[Field]=TOTROA28, [Meaning]=amount received on account in form of payment no. 28, [Range]=if available,

[Field]=NROA29, [Meaning]=number of received on account operations in form of payment no. 29,
[Range]=if available,
[Field]=TOTROA29, [Meaning]=amount received on account in form of payment no. 29, [Range]=if available,

[Field]=NROA30, [Meaning]=number of received on account operations in form of payment no. 30,
[Range]=if available,
[Field]=TOTROA30, [Meaning]=amount received on account in form of payment no. 30, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:6:N3:NROA31:TOTROA31:NROA32:TOTROA32:NROA33:TOTROA33:NROA34:TOTROA34:
NROA35:TOTROA35:NROA36:TOTROA36:NROA37:TOTROA37:NROA38:TOTROA38:NROA39:TOTROA
39:NROA40:TOTROA40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,

[Field]=6, [Meaning]=record type identifier,

[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31= form of payment no. 40, if
available),

[Field]=NROA31, [Meaning]=number of received on account operations in form of payment no. 31,
[Range]=if available,

[Field]=TOTROA31, [Meaning]=amount received on account in form of payment no. 31, [Range]=if available,

[Field]=NROA32, [Meaning]=number of received on account operations in form of payment no. 32,
[Range]=if available,

[Field]=TOTROA32, [Meaning]=amount received on account in form of payment no. 32, [Range]=if available,

[Field]=NROA33, [Meaning]=number of received on account operations in form of payment no. 33,
[Range]=if available,

[Field]=TOTROA33, [Meaning]=amount received on account in form of payment no. 33, [Range]=if available,

[Field]=NROA34, [Meaning]=number of received on account operations in form of payment no. 34,
[Range]=if available,

[Field]=TOTROA34, [Meaning]=amount received on account in form of payment no. 34, [Range]=if available,

[Field]=NROA35, [Meaning]=number of received on account operations in form of payment no. 35,
[Range]=if available,

[Field]=TOTROA35, [Meaning]=amount received on account in form of payment no. 35, [Range]=if available,

[Field]=NROA36, [Meaning]=number of received on account operations in form of payment no. 36,
[Range]=if available,

[Field]=TOTROA36, [Meaning]=amount received on account in form of payment no. 36, [Range]=if available,

[Field]=NROA37, [Meaning]=number of received on account operations in form of payment no. 37,
[Range]=if available,

[Field]=TOTROA37, [Meaning]=amount received on account in form of payment no. 37, [Range]=if available,

[Field]=NROA38, [Meaning]=number of received on account operations in form of payment no. 38,
[Range]=if available,

[Field]=TOTROA38, [Meaning]=amount received on account in form of payment no. 38, [Range]=if available,

[Field]=NROA39, [Meaning]=number of received on account operations in form of payment no. 39,
[Range]=if available,

[Field]=TOTROA39, [Meaning]=amount received on account in form of payment no. 39, [Range]=if available,

[Field]=NROA40, [Meaning]=number of received on account operations in form of payment no. 40,
[Range]=if available,

[Field]=TOTROA40, [Meaning]=amount received on account in form of payment no. 40, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,

[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 7	CLERKS' REPORT HISTORY RECORD (PAID OUT AMOUNTS) CAUTION: the clerks' report relevant to paid out amounts is divided in 4 records.	[C05:INDI:PG:7:NPO1:TOTPO1:NPO2:TOTPO2:NPO3:TOTPO3:NPO4:TOTPO4:NPO5:TOTPO5:NPO6:TOTPO6:NPO7:TOTPO7:NPO8:TOTPO8:NPO9:TOTPO9:NPO10:TOTPO10:OPER:DOC]	ACK if correctly received NAK if not correctly received
-------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=7, [Meaning]=record type identifier,
 [Field]=NPO1, [Meaning]=number of paid out operations in form of payment no. 1,
 [Field]=TOTPO1, [Meaning]=amount paid out in form of payment no. 1,
 [Field]=NPO2, [Meaning]=number of paid out operations in form of payment no. 2,
 [Field]=TOTPO2, [Meaning]=amount paid out in form of payment no. 2,
 [Field]=NPO3, [Meaning]=number of paid out operations in form of payment no. 3,
 [Field]=TOTPO3, [Meaning]=amount paid out in form of payment no. 3,
 [Field]=NPO4, [Meaning]=number of paid out operations in form of payment no. 4,
 [Field]=TOTPO4, [Meaning]=amount paid out in form of payment no. 4,
 [Field]=NPO5, [Meaning]=number of paid out operations in form of payment no. 5,
 [Field]=TOTPO5, [Meaning]=amount paid out in form of payment no. 5,
 [Field]=NPO6, [Meaning]=number of paid out operations in form of payment no. 6,
 [Field]=TOTPO6, [Meaning]=amount paid out in form of payment no. 6,
 [Field]=NPO7, [Meaning]=number of paid out operations in form of payment no. 7,
 [Field]=TOTPO7, [Meaning]=amount paid out in form of payment no. 7,
 [Field]=NPO8, [Meaning]=number of paid out operations in form of payment no. 8,
 [Field]=TOTPO8, [Meaning]=amount paid out in form of payment no. 8,
 [Field]=NPO9, [Meaning]=number of paid out operations in form of payment no. 9,
 [Field]=TOTPO9, [Meaning]=amount paid out in form of payment no. 9,
 [Field]=NPO10, [Meaning]=number of paid out operations in form of payment no. 10,
 [Field]=TOTPO10, [Meaning]=amount paid out in form of payment no. 10,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

		[C05:INDI:PG:7:N1:NPO11:TOTPO11:NPO12:TOTPO12:NPO13:TOTPO13:NPO14:TOTPO14:NPO15:TOTPO15:NPO16:TOTPO16:NPO17:TOTPO17:NPO18:TOTPO18:NPO19:TOTPO19:NPO20:TOTPO20:OPER:DOC]	
--	--	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=7, [Meaning]=record type identifier,
 [Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11÷form of payment no. 20, if available),
 [Field]=NPO11, [Meaning]=number of paid out operations in form of payment no. 11, [Range]=if available,
 [Field]=TOTPO11, [Meaning]=amount paid out in form of payment no. 11, [Range]=if available,
 [Field]=NPO12, [Meaning]=number of paid out operations in form of payment no. 12, [Range]=if available,
 [Field]=TOTPO12, [Meaning]=amount paid out in form of payment no. 12, [Range]=if available,
 [Field]=NPO13, [Meaning]=number of paid out operations in form of payment no. 13, [Range]=if available,
 [Field]=TOTPO13, [Meaning]=amount paid out in form of payment no. 13, [Range]=if available,
 [Field]=NPO14, [Meaning]=number of paid out operations in form of payment no. 14, [Range]=if available,
 [Field]=TOTPO14, [Meaning]=amount paid out in form of payment no. 14, [Range]=if available,
 [Field]=NPO15, [Meaning]=number of paid out operations in form of payment no. 15, [Range]=if available,
 [Field]=TOTPO15, [Meaning]=amount paid out in form of payment no. 15, [Range]=if available,
 [Field]=NPO16, [Meaning]=number of paid out operations in form of payment no. 16, [Range]=if available,
 [Field]=TOTPO16, [Meaning]=amount paid out in form of payment no. 16, [Range]=if available,
 [Field]=NPO17, [Meaning]=number of paid out operations in form of payment no. 17, [Range]=if available,
 [Field]=TOTPO17, [Meaning]=amount paid out in form of payment no. 17, [Range]=if available,
 [Field]=NPO18, [Meaning]=number of paid out operations in form of payment no. 18, [Range]=if available,

[Field]=TOTPO18, [Meaning]=amount paid out in form of payment no. 18, [Range]=if available,
[Field]=NPO19, [Meaning]=number of paid out operations in form of payment no. 19, [Range]=if available,

[Field]=TOTPO19, [Meaning]=amount paid out in form of payment no. 19, [Range]=if available,
[Field]=NPO20, [Meaning]=number of paid out operations in form of payment no. 20, [Range]=if available,

[Field]=TOTPO20, [Meaning]=amount paid out in form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:7:N2:NPO21:TOTPO21:NPO22:TOTPO22:NPO23:TOTPO23:NPO24:TOTPO24:NPO25:TOT
PO25:NPO26:TOTPO26:NPO27:TOTPO27:NPO28:TOTPO28:NPO29:TOTPO29:NPO30:TOTPO30:OPER:
DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,

[Field]=7, [Meaning]=record type identifier,

[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21=from of payment no. 30, if
available),

[Field]=NPO21, [Meaning]=number of paid out operations in form of payment no. 21, [Range]=if available,

[Field]=TOTPO21, [Meaning]=amount paid out in form of payment no. 21, [Range]=if available,

[Field]=NPO22, [Meaning]=number of paid out operations in form of payment no. 22, [Range]=if available,

[Field]=TOTPO22, [Meaning]=amount paid out in form of payment no. 22, [Range]=if available,

[Field]=NPO23, [Meaning]=number of paid out operations in form of payment no. 23, [Range]=if available,

[Field]=TOTPO23, [Meaning]=amount paid out in form of payment no. 23, [Range]=if available,

[Field]=NPO24, [Meaning]=number of paid out operations in form of payment no. 24, [Range]=if available,

[Field]=TOTPO24, [Meaning]=amount paid out in form of payment no. 24, [Range]=if available,

[Field]=NPO25, [Meaning]=number of paid out operations in form of payment no. 25, [Range]=if available,

[Field]=TOTPO25, [Meaning]=amount paid out in form of payment no. 25, [Range]=if available,

[Field]=NPO26, [Meaning]=number of paid out operations in form of payment no. 26, [Range]=if available,

[Field]=TOTPO26, [Meaning]=amount paid out in form of payment no. 26, [Range]=if available,

[Field]=NPO27, [Meaning]=number of paid out operations in form of payment no. 27, [Range]=if available,

[Field]=TOTPO27, [Meaning]=amount paid out in form of payment no. 27, [Range]=if available,

[Field]=NPO28, [Meaning]=number of paid out operations in form of payment no. 28, [Range]=if available,

[Field]=TOTPO28, [Meaning]=amount paid out in form of payment no. 28, [Range]=if available,

[Field]=NPO29, [Meaning]=number of paid out operations in form of payment no. 29, [Range]=if available,

[Field]=TOTPO29, [Meaning]=amount paid out in form of payment no. 29, [Range]=if available,

[Field]=NPO30, [Meaning]=number of paid out operations in form of payment no. 30, [Range]=if available,

[Field]=TOTPO30, [Meaning]=amount paid out in form of payment no. 30, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,

[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:7:N3:NPO31:TOTPO31:NPO32:TOTPO32:NPO33:TOTPO33:NPO34:TOTPO34:NPO35:TOT
PO35:NPO36:TOTPO36:NPO37:TOTPO37:NPO38:TOTPO38:NPO39:TOTPO39:NPO40:TOTPO40:OPER:
DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,

[Field]=7, [Meaning]=record type identifier,

[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31=from of payment no. 40, if
available),

[Field]=NPO31, [Meaning]=number of paid out operations in form of payment no. 31, [Range]=if available,

[Field]=TOTPO31, [Meaning]=amount paid out in form of payment no. 31, [Range]=if available,
 [Field]=NPO32, [Meaning]=number of paid out operations in form of payment no. 32, [Range]=if available,
 [Field]=TOTPO32, [Meaning]=amount paid out in form of payment no. 32, [Range]=if available,
 [Field]=NPO33, [Meaning]=number of paid out operations in form of payment no. 33, [Range]=if available,
 [Field]=TOTPO33, [Meaning]=amount paid out in form of payment no. 33, [Range]=if available,
 [Field]=NPO34, [Meaning]=number of paid out operations in form of payment no. 34, [Range]=if available,
 [Field]=TOTPO34, [Meaning]=amount paid out in form of payment no. 34, [Range]=if available,
 [Field]=NPO35, [Meaning]=number of paid out operations in form of payment no. 35, [Range]=if available,
 [Field]=TOTPO35, [Meaning]=amount paid out in form of payment no. 35, [Range]=if available,
 [Field]=NPO36, [Meaning]=number of paid out operations in form of payment no. 36, [Range]=if available,
 [Field]=TOTPO36, [Meaning]=amount paid out in form of payment no. 36, [Range]=if available,
 [Field]=NPO37, [Meaning]=number of paid out operations in form of payment no. 37, [Range]=if available,
 [Field]=TOTPO37, [Meaning]=amount paid out in form of payment no. 37, [Range]=if available,
 [Field]=NPO38, [Meaning]=number of paid out operations in form of payment no. 38, [Range]=if available,
 [Field]=TOTPO38, [Meaning]=amount paid out in form of payment no. 38, [Range]=if available,
 [Field]=NPO39, [Meaning]=number of paid out operations in form of payment no. 39, [Range]=if available,
 [Field]=TOTPO39, [Meaning]=amount paid out in form of payment no. 39, [Range]=if available,
 [Field]=NPO40, [Meaning]=number of paid out operations in form of payment no. 40, [Range]=if available,
 [Field]=TOTPO40, [Meaning]=amount paid out in form of payment no. 40, [Range]=if available,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 8 CLERKS' REPORT HISTORY RECORD (CASH IN DRAWER)
 CAUTION: the clerks' report relevant to cash in drawer is divided in 4 records.

[C05:INDI:PG:8:NDRW1:TOTDRW1:NDRW2:TOTDRW2:NDRW3:TOTDRW3:NDRW4:TOTDRW4:NDRW5:TOTDRW5:NDRW6:TOTDRW6:NDRW7:TOTDRW7:NDRW8:TOTDRW8:NDRW9:TOTDRW9:NDRW10:TOTDRW10:OPER:DOC]

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=8, [Meaning]=record type identifier,
 [Field]=NDRW1, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 1,
 [Field]=TOTDRW1, [Meaning]=amount in drawer in form of payment no. 1,
 [Field]=NDRW2, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 2,
 [Field]=TOTDRW2, [Meaning]=amount in drawer in form of payment no. 2,
 [Field]=NDRW3, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 3,
 [Field]=TOTDRW3, [Meaning]=amount in drawer in form of payment no. 3,
 [Field]=NDRW4, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 4,
 [Field]=TOTDRW4, [Meaning]=amount in drawer in form of payment no. 4,
 [Field]=NDRW5, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 5,
 [Field]=TOTDRW5, [Meaning]=amount in drawer in form of payment no. 5,
 [Field]=NDRW6, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 6,
 [Field]=TOTDRW6, [Meaning]=amount in drawer in form of payment no. 6,
 [Field]=NDRW7, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 7,
 [Field]=TOTDRW7, [Meaning]=amount in drawer in form of payment no. 7,
 [Field]=NDRW8, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 8,
 [Field]=TOTDRW8, [Meaning]=amount in drawer in form of payment no. 8,
 [Field]=NDRW9, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 9,
 [Field]=TOTDRW9, [Meaning]=amount in drawer in form of payment no. 9,

[Field]=NDRW10, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 10.

[Field]=TOTDRW10, [Meaning]=amount in drawer in form of payment no. 10.

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99.

[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice.

[C05:INDI:PG:8:N1:NDRW11:TOTDRW11:NDRW12:TOTDRW12:NDRW13:TOTDRW13:NDRW14:TOTDRW14:NDRW15:TOTDRW15:NDRW16:TOTDRW16:NDRW17:TOTDRW17:NDRW18:TOTDRW18:NDRW19:TOTDRW19:NDRW20:TOTDRW20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes.

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes.

[Field]=8, [Meaning]=record type identifier.

[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=form of payment no. 20, if available).

[Field]=NDRW11, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 11, [Range]=if available.

[Field]=TOTDRW11, [Meaning]=amount in drawer in form of payment no. 11, [Range]=if available.

[Field]=NDRW12, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 12, [Range]=if available.

[Field]=TOTDRW12, [Meaning]=amount in drawer in form of payment no. 12, [Range]=if available.

[Field]=NDRW13, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 13, [Range]=if available.

[Field]=TOTDRW13, [Meaning]=amount in drawer in form of payment no. 13, [Range]=if available.

[Field]=NDRW14, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 14, [Range]=if available.

[Field]=TOTDRW14, [Meaning]=amount in drawer in form of payment no. 14, [Range]=if available.

[Field]=NDRW15, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 15, [Range]=if available.

[Field]=TOTDRW15, [Meaning]=amount in drawer in form of payment no. 15, [Range]=if available.

[Field]=NDRW16, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 16, [Range]=if available.

[Field]=TOTDRW16, [Meaning]=amount in drawer in form of payment no. 16, [Range]=if available.

[Field]=NDRW17, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 17, [Range]=if available.

[Field]=TOTDRW17, [Meaning]=amount in drawer in form of payment no. 17, [Range]=if available.

[Field]=NDRW18, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 18, [Range]=if available.

[Field]=TOTDRW18, [Meaning]=amount in drawer in form of payment no. 18, [Range]=if available.

[Field]=NDRW19, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 19, [Range]=if available.

[Field]=TOTDRW19, [Meaning]=amount in drawer in form of payment no. 19, [Range]=if available.

[Field]=NDRW20, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 20, [Range]=if available.

[Field]=TOTDRW20, [Meaning]=amount in drawer in form of payment no. 20, [Range]=if available.

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99.

[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice.

[C05:INDI:PG:8:N2:NDRW21:TOTDRW21:NDRW22:TOTDRW22:NDRW23:TOTDRW23:NDRW24:TOTDRW24:NDRW25:TOTDRW25:NDRW26:TOTDRW26:NDRW27:TOTDRW27:NDRW28:TOTDRW28:NDRW29:TOTDRW29:NDRW30:TOTDRW30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes.

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes.

[Field]=8, [Meaning]=record type identifier.

[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21=form of payment no. 30, if available).

[Field]=NDRW21, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 21, [Range]=if available.

[Field]=TOTDRW21, [Meaning]=amount in drawer in form of payment no. 21, [Range]=if available.

[Field]=NDRW22, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 22, [Range]=if available.

[Field]=TOTDRW22, [Meaning]=amount in drawer in form of payment no. 22, [Range]=if available.

[Field]=NDRW23, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 23, [Range]=if available,
[Field]=TOTDRW23, [Meaning]=amount in drawer in form of payment no. 23, [Range]=if available,
[Field]=NDRW24, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 24, [Range]=if available,
[Field]=TOTDRW24, [Meaning]=amount in drawer in form of payment no. 24, [Range]=if available,
[Field]=NDRW25, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 25, [Range]=if available,
[Field]=TOTDRW25, [Meaning]=amount in drawer in form of payment no. 25, [Range]=if available,
[Field]=NDRW26, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 26, [Range]=if available,
[Field]=TOTDRW26, [Meaning]=amount in drawer in form of payment no. 26, [Range]=if available,
[Field]=NDRW27, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 27, [Range]=if available,
[Field]=TOTDRW27, [Meaning]=amount in drawer in form of payment no. 27, [Range]=if available,
[Field]=NDRW28, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 28, [Range]=if available,
[Field]=TOTDRW28, [Meaning]=amount in drawer in form of payment no. 28, [Range]=if available,
[Field]=NDRW29, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 29, [Range]=if available,
[Field]=TOTDRW29, [Meaning]=amount in drawer in form of payment no. 29, [Range]=if available,
[Field]=NDRW30, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 30, [Range]=if available,
[Field]=TOTDRW30, [Meaning]=amount in drawer in form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:8:N3:NDRW31:TOTDRW31:NDRW32:TOTDRW32:NDRW33:TOTDRW33:NDRW34:TOTDRW34:NDRW35:TOTDRW35:NDRW36:TOTDRW36:NDRW37:TOTDRW37:NDRW38:TOTDRW38:NDRW39:TOTDRW39:NDRW40:TOTDRW40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=8, [Meaning]=record type identifier,
[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31:-form of payment no. 40, if available),
[Field]=NDRW31, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 31, [Range]=if available,
[Field]=TOTDRW31, [Meaning]=amount in drawer in form of payment no. 31, [Range]=if available,
[Field]=NDRW32, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 32, [Range]=if available,
[Field]=TOTDRW32, [Meaning]=amount in drawer in form of payment no. 32, [Range]=if available,
[Field]=NDRW33, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 33, [Range]=if available,
[Field]=TOTDRW33, [Meaning]=amount in drawer in form of payment no. 33, [Range]=if available,
[Field]=NDRW34, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 34, [Range]=if available,
[Field]=TOTDRW34, [Meaning]=amount in drawer in form of payment no. 34, [Range]=if available,
[Field]=NDRW35, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 35, [Range]=if available,
[Field]=TOTDRW35, [Meaning]=amount in drawer in form of payment no. 35, [Range]=if available,
[Field]=NDRW36, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 36, [Range]=if available,
[Field]=TOTDRW36, [Meaning]=amount in drawer in form of payment no. 36, [Range]=if available,
[Field]=NDRW37, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 37, [Range]=if available,
[Field]=TOTDRW37, [Meaning]=amount in drawer in form of payment no. 37, [Range]=if available,
[Field]=NDRW38, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 38, [Range]=if available,
[Field]=TOTDRW38, [Meaning]=amount in drawer in form of payment no. 38, [Range]=if available,
[Field]=NDRW39, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 39, [Range]=if available,
[Field]=TOTDRW39, [Meaning]=amount in drawer in form of payment no. 39, [Range]=if available,
[Field]=NDRW40, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 40, [Range]=if available,
[Field]=TOTDRW40, [Meaning]=amount in drawer in form of payment no. 40, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C05 14 CLERKS' REPORT HISTORY RECORD (CREDIT NOTE PAYMENTS)
CAUTION: the clerks' report relevant to payments is divided in 4 records.

[C05:INDI:PG:14:NPAG1:TOTPAG1:NPAG2:TOTPAG2:NPAG3:TOTPAG3:NPAG4:TOTPAG4:NPAG5:TOTPAG5:NPAG6:TOTPAG6:NPAG7:TOTPAG7:NPAG8:TOTPAG8:NPAG9:TOTPAG9:NPAG10:TOTPAG10:OPER:DOC] ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=14, [Meaning]=identifier of type of activity history file record,
[Field]=NPAG1, [Meaning]=number of payments performed in form of payment no. 1,
[Field]=TOTPAG1, [Meaning]=amount of payments performed in form of payment no. 1,
[Field]=NPAG2, [Meaning]=number of payments performed in form of payment no. 2,
[Field]=TOTPAG2, [Meaning]=amount of payments performed in form of payment no. 2,
[Field]=NPAG3, [Meaning]=number of payments performed in form of payment no. 3,
[Field]=TOTPAG3, [Meaning]=amount of payments performed in form of payment no. 3,
[Field]=NPAG4, [Meaning]=number of payments performed in form of payment no. 4,
[Field]=TOTPAG4, [Meaning]=amount of payments performed in form of payment no. 4,
[Field]=NPAG5, [Meaning]=number of payments performed in form of payment no. 5,
[Field]=TOTPAG5, [Meaning]=amount of payments performed in form of payment no. 5,
[Field]=NPAG6, [Meaning]=number of payments performed in form of payment no. 6,
[Field]=TOTPAG6, [Meaning]=amount of payments performed in form of payment no. 6,
[Field]=NPAG7, [Meaning]=number of payments performed in form of payment no. 7,
[Field]=TOTPAG7, [Meaning]=amount of payments performed in form of payment no. 7,
[Field]=NPAG8, [Meaning]=number of payments performed in form of payment no. 8,
[Field]=TOTPAG8, [Meaning]=amount of payments performed in form of payment no. 8,
[Field]=NPAG9, [Meaning]=number of payments performed in form of payment no. 9,
[Field]=TOTPAG9, [Meaning]=amount of payments performed in form of payment no. 9,
[Field]=NPAG10, [Meaning]=number of payments performed in form of payment no. 10,
[Field]=TOTPAG10, [Meaning]=amount of payments performed in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:14:N1:NPAG11:TOTPAG11:NPAG12:TOTPAG12:NPAG13:TOTPAG13:NPAG14:TOTPAG14:NPAG15:TOTPAG15:NPAG16:TOTPAG16:NPAG17:TOTPAG17:NPAG18:TOTPAG18:NPAG19:TOTPAG19:NPAG20:TOTPAG20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=14, [Meaning]=identifier of type of activity history file record,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=from of payment no. 20, if available),
[Field]=NPAG11, [Meaning]=number of payments performed in form of payment no. 11, [Range]=if available,
[Field]=TOTPAG11, [Meaning]=amount of payments performed in form of payment no. 11, [Range]=if available,
[Field]=NPAG12, [Meaning]=number of payments performed in form of payment no. 12, [Range]=if available,
[Field]=TOTPAG12, [Meaning]=amount of payments performed in form of payment no. 12, [Range]=if available,
[Field]=NPAG13, [Meaning]=number of payments performed in form of payment no. 13, [Range]=if available,
[Field]=TOTPAG13, [Meaning]=amount of payments performed in form of payment no. 13, [Range]=if available,
[Field]=NPAG14, [Meaning]=number of payments performed in form of payment no. 14, [Range]=if available,
[Field]=TOTPAG14, [Meaning]=amount of payments performed in form of payment no. 14, [Range]=if available,
[Field]=NPAG15, [Meaning]=number of payments performed in form of payment no. 15, [Range]=if available,
[Field]=TOTPAG15, [Meaning]=amount of payments performed in form of payment no. 15, [Range]=if available,

[Field]=NPAG16, [Meaning]=number of payments performed in form of payment no. 16, [Range]=if available,
[Field]=TOTPAG16, [Meaning]=amount of payments performed in form of payment no. 16, [Range]=if available,
[Field]=NPAG17, [Meaning]=number of payments performed in form of payment no. 17, [Range]=if available,
[Field]=TOTPAG17, [Meaning]=amount of payments performed in form of payment no. 17, [Range]=if available,
[Field]=NPAG18, [Meaning]=number of payments performed in form of payment no. 18, [Range]=if available,
[Field]=TOTPAG18, [Meaning]=amount of payments performed in form of payment no. 18, [Range]=if available,
[Field]=NPAG19, [Meaning]=number of payments performed in form of payment no. 19, [Range]=if available,
[Field]=TOTPAG19, [Meaning]=amount of payments performed in form of payment no. 19, [Range]=if available,
[Field]=NPAG20, [Meaning]=number of payments performed in form of payment no. 20, [Range]=if available,
[Field]=TOTPAG20, [Meaning]=amount of payments performed in form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:14:N2:NPAG21:TOTPAG21:NPAG22:TOTPAG22:NPAG23:TOTPAG23:NPAG24:TOTPAG24:NPAG25:TOTPAG25:NPAG26:TOTPAG26:NPAG27:TOTPAG27:NPAG28:TOTPAG28:NPAG29:TOTPAG29:NPAG30:TOTPAG30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=14, [Meaning]=identifier of type of activity history file record,
[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21=from of payment no. 30, if available),
[Field]=NPAG21, [Meaning]=number of payments performed in form of payment no. 21, [Range]=if available,
[Field]=TOTPAG21, [Meaning]=amount of payments performed in form of payment no. 21, [Range]=if available,
[Field]=NPAG22, [Meaning]=number of payments performed in form of payment no. 22, [Range]=if available,
[Field]=TOTPAG22, [Meaning]=amount of payments performed in form of payment no. 22, [Range]=if available,
[Field]=NPAG23, [Meaning]=number of payments performed in form of payment no. 23, [Range]=if available,
[Field]=TOTPAG23, [Meaning]=amount of payments performed in form of payment no. 23, [Range]=if available,
[Field]=NPAG24, [Meaning]=number of payments performed in form of payment no. 24, [Range]=if available,
[Field]=TOTPAG24, [Meaning]=amount of payments performed in form of payment no. 24, [Range]=if available,
[Field]=NPAG25, [Meaning]=number of payments performed in form of payment no. 25, [Range]=if available,
[Field]=TOTPAG25, [Meaning]=amount of payments performed in form of payment no. 25, [Range]=if available,
[Field]=NPAG26, [Meaning]=number of payments performed in form of payment no. 26, [Range]=if available,
[Field]=TOTPAG26, [Meaning]=amount of payments performed in form of payment no. 26, [Range]=if available,
[Field]=NPAG27, [Meaning]=number of payments performed in form of payment no. 27, [Range]=if available,
[Field]=TOTPAG27, [Meaning]=amount of payments performed in form of payment no. 27, [Range]=if available,
[Field]=NPAG28, [Meaning]=number of payments performed in form of payment no. 28, [Range]=if available,
[Field]=TOTPAG28, [Meaning]=amount of payments performed in form of payment no. 28, [Range]=if available,
[Field]=NPAG29, [Meaning]=number of payments performed in form of payment no. 29, [Range]=if available,

[Field]=TOTPAG29, [Meaning]=amount of payments performed in form of payment no. 29, [Range]=if available,
[Field]=NPAG30, [Meaning]=number of payments performed in form of payment no. 30, [Range]=if available,
[Field]=TOTPAG30, [Meaning]=amount of payments performed in form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C05:INDI:PG:14:N3:NPAG31:TOTPAG31:NPAG32:TOTPAG32:NPAG33:TOTPAG33:NPAG34:TOTPAG34:NPAG35:TOTPAG35:NPAG36:TOTPAG36:NPAG37:TOTPAG37:NPAG38:TOTPAG38:NPAG39:TOTPAG39:NPAG40:TOTPAG40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=14, [Meaning]=identifier of type of activity history file record,
[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31-form of payment no. 40, if available),
[Field]=NPAG31, [Meaning]=number of payments performed in form of payment no. 31, [Range]=if available,
[Field]=TOTPAG31, [Meaning]=amount of payments performed in form of payment no. 31, [Range]=if available,
[Field]=NPAG32, [Meaning]=number of payments performed in form of payment no. 32, [Range]=if available,
[Field]=TOTPAG32, [Meaning]=amount of payments performed in form of payment no. 32, [Range]=if available,
[Field]=NPAG33, [Meaning]=number of payments performed in form of payment no. 33, [Range]=if available,
[Field]=TOTPAG33, [Meaning]=amount of payments performed in form of payment no. 33, [Range]=if available,
[Field]=NPAG34, [Meaning]=number of payments performed in form of payment no. 34, [Range]=if available,
[Field]=TOTPAG34, [Meaning]=amount of payments performed in form of payment no. 34, [Range]=if available,
[Field]=NPAG35, [Meaning]=number of payments performed in form of payment no. 35, [Range]=if available,
[Field]=TOTPAG35, [Meaning]=amount of payments performed in form of payment no. 35, [Range]=if available,
[Field]=NPAG36, [Meaning]=number of payments performed in form of payment no. 36, [Range]=if available,
[Field]=TOTPAG36, [Meaning]=amount of payments performed in form of payment no. 36, [Range]=if available,
[Field]=NPAG37, [Meaning]=number of payments performed in form of payment no. 37, [Range]=if available,
[Field]=TOTPAG37, [Meaning]=amount of payments performed in form of payment no. 37, [Range]=if available,
[Field]=NPAG38, [Meaning]=number of payments performed in form of payment no. 38, [Range]=if available,
[Field]=TOTPAG38, [Meaning]=amount of payments performed in form of payment no. 38, [Range]=if available,
[Field]=NPAG39, [Meaning]=number of payments performed in form of payment no. 39, [Range]=if available,
[Field]=TOTPAG39, [Meaning]=amount of payments performed in form of payment no. 39, [Range]=if available,
[Field]=NPAG40, [Meaning]=number of payments performed in form of payment no. 40, [Range]=if available,
[Field]=TOTPAG40, [Meaning]=amount of payments performed in form of payment no. 40, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C06 --- WAITERS' REPORT HISTORY RECORD

[C06:INDI:PG:NUMCAM:WDESCR:NCLI:NART:TOTIMPORTO:OPER:DOC]

ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NUMCAM, [Meaning]=waiter's number, [Range]=1 through 20,
 [Field]=NCLI, [Meaning]=number of customers served,
 [Field]=NART, [Meaning]=number of items sold,
 [Field]=TOTIMPORTO, [Meaning]=total amount of sales,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C07 --- DEPARTMENTS PROGRAMMING HISTORY RECORD
 NOTE: only the departments the programming of which is different from the default programming are sent. The execution of this interactivity may take some time.

|C07:INDI:PG:REPARTO:DPTDESCR:DPTFLAG1:MAXIMP:MINIMP:DPTPREZZO:DPTVAT:DPTGRUPPO:MODIF:MULTI:BOLLINO:DPTFMUL:DPTPREZZO1:DPTFLAG2:OPER:DOC|

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=DPTDESCR, [Meaning]=department description,
 [Field]=DPTFLAG1, [Meaning]=numerical field the binary value of which is used by the cash register to configure the department operating procedures, [Range]=0-255,
 [Field]=MAXIMP, [Meaning]=maximum amount that can be registered in department, [Range]=max 8 digits,
 [Field]=MINIMP, [Meaning]=minimum amount that can be registered in department, [Range]=max 8 digits,
 [Field]=DPTPREZZO, [Meaning]=price associated to the department based on standard price list (price list 0), [Range]=max 8 digits,
 [Field]=DPTVAT, [Meaning]=code of VAT associated to the department,
 [Field]=DPTGRUPPO, [Meaning]=group to which the department belongs, [Range]=0-11,
 [Field]=MODIF, [Meaning]=percent discount or additional charge associated to the department, [Range]=(-100 to +100),
 [Field]=MULTI, [Meaning]=print group to which the department belongs, [Range]=0-19,
 [Field]=BOLLINO, [Meaning]=flags to associate coupons to department,
 [Field]=DPTFMUL, [Meaning]=number of multiple function associated to the department,
 [Field]=DPTPREZZO1, [Meaning]=price associated to the department based on price list 1, [Range]=max 8 digits,
 [Field]=DPTFLAG2, [Meaning]=numerical field the binary value of which is read by the cash register to configure the department operating modes, [Range]=0-255,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C08 --- PLU HISTORY PROGRAMMING
 NOTE: the execution of this interactivity may take some time.

|C08:INDI:PG:PLUCODE:PREZZO:REPARTO:PLUDESCR:FLAGSCO:OFFERTA:PREZZO1:IVAPLU:PLUF:MUL:PLUOFFERTA1:PLUOFFERTA2:OPER:DOC|

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=PLUCODE, [Meaning]=PLU code, [Range]=max 18 characters if alphanumeric. If the PLU code is alphanumeric, it can contain ASCII characters from 032 to 127, with the exception of characters 058 and 059.,
 [Field]=PREZZO, [Meaning]=PLU price on price list 0, [Range]=max 9 digits,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=PLUDESCR, [Meaning]=description associated to the PLU,
 [Field]=FLAGSCO, [Meaning]=percentage of automatic discount/additional charge to be associated, [Range]=max 2 characters. Identification number of the discount/add-on mode (1 through 20) to be linked to the PLU. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,
 [Field]=OFFERTA, [Meaning]=code of the special offer linked to the PLU, if any, [Range]=max 4 digits, 0=no offer,
 [Field]=PREZZO1, [Meaning]=PLU price on price list 1, [Range]=max 9 digits. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,

[Field]=IVAPLU, [Meaning]=VAT rate code linked to PLU, [Range]=0 to 4; 5=VAT exempt; 9=the VAT rate of the department linked to the PLU is used. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,
 [Field]=PLUFMUL, [Meaning]=number of multiple function associated to the PLU,
 [Field]=PLUOFFERTA1, [Meaning]=special offer code for the fidelity line 1,
 [Field]=PLUOFFERTA2, [Meaning]=special offer code for the fidelity line 2,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C08 --- SPECIAL OFFER HISTORY PROGRAMMING NOTE: the execution of this interactivity may take some time.	|C08:INDI:PG:OFFCODE:PREZZOFFERTA:REPARTOFFERTA:OFFDESCR:FLAGSCO:ITEMSNO:PREZZO1:IVAPLU:OFFFMUL:OFFERTA1:OFFERTA2:OPER:DOC|	ACK if correctly received NAK if not correctly received
--	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=OFFCODE, [Meaning]=special offer code, [Range]=12 digits, the first eight digits of which are '9',

[Field]=PREZZOFFERTA, [Meaning]=total price of the item to which the special offer applies,
 [Field]=REPARTOFFERTA, [Meaning]=department in which the amounts related to the special offer are accrued,
 [Field]=OFFDESCR, [Meaning]=description associated to the special offer,
 [Field]=FLAGSCO, [Meaning]=percentage of automatic discount/additional charge to be associated, [Range]=max 2 characters. Identification number of the discount/add-on mode (1 through 20) to be linked to the PLU. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,
 [Field]=ITEMSNO, [Meaning]=number of items necessary for the special offer to be applicable, [Range]=max 4 digits, 0=no offer,
 [Field]=PREZZO1, [Meaning]=PLU price on price list 1, [Range]=max 9 digits. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,
 [Field]=IVAPLU, [Meaning]=VAT rate code linked to PLU, [Range]=0 to 4; 5=VAT exempt; 9=the VAT rate of the department linked to the PLU is used. Not significant in case of special offer, it is included to keep the special offer record the same as the PLU record.,
 [Field]=OFFFMUL, [Meaning]=number of multiple function associated to the special offer,
 [Field]=OFFERTA1, [Meaning]=threshold value for the issue of the offer,
 [Field]=OFFERTA2, [Meaning]=points accrued by the offer,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C09 --- CLERKS' PROGRAMMING HISTORY RECORD	|C09:INDI:PG:NUMOP:CODOP:CHIAVE:CDESCR:BANCO1:BANCO2:BANCO3:BANCO4:BANCO5:BANCO6:OPER:DOC|	ACK if correctly received NAK if not correctly received
--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NUMOP, [Meaning]=clerk's number, [Range]=1 through 20,
 [Field]=CODOP, [Meaning]=clerk's code, [Range]=2 digits, 01 through 99,
 [Field]=CHIAVE, [Meaning]=clerk's access password, [Range]=3 digits, 000 through 999,
 [Field]=CDESCR, [Meaning]=clerk's description,
 [Field]=BANCO1, [Meaning]=numerical field the binary value of which is used by the cash register to configure the clerk's access to the cash register functions, [Range]=0-255,
 [Field]=BANCO2, [Meaning]=numerical field the binary value of which is used by the cash register to configure the clerk's access to the cash register operating MODES, [Range]=0-255,
 [Field]=BANCO3, [Meaning]=numerical field the binary value of which is used by the cash register to configure the clerk's data, [Range]=0-255,
 [Field]=BANCO4, [Meaning]=numerical field, [Range]=0-255,
 [Field]=BANCO5, [Meaning]=numerical field, [Range]=0-255,
 [Field]=BANCO6, [Meaning]=numerical field, [Range]=0-255,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C10 --- LINES No. 1-2-3 RECEIPT HEADER HISTORY RECORD	|C10:INDI:PG:A:RIGA1:RIGA2:RIGA3:OPER:DOC|	ACK if correctly received NAK if not correctly received
---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=A, [Meaning]=lines 1,2,3 receipt header,
 [Field]=RIGA1, [Meaning]=line no. 1 of receipt header,
 [Field]=RIGA2, [Meaning]=line no. 2 of receipt header,
 [Field]=RIGA3, [Meaning]=line no. 3 of receipt header,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C10 ---	LINES No. 4-5-6 RECEIPT HEADER HISTORY RECORD	[C10:INDI:PG:B:RIGA4:RIGA5:RIGA6:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=B, [Meaning]=lines 4,5,6 receipt header,
 [Field]=RIGA4, [Meaning]=line no. 4 of receipt header,
 [Field]=RIGA5, [Meaning]=line no. 5 of receipt header,
 [Field]=RIGA6, [Meaning]=line no. 6 of receipt header,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C10 ---	RECEIPT FOOTER HISTORY RECORD	[C10:INDI:PG:F:FLINE1:FLINE2:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	-------------------------------	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=F, [Meaning]=lines 1,2,3 receipt footer,
 [Field]=FLINE1, [Meaning]=line no. 1 of receipt footer,
 [Field]=FLINE2, [Meaning]=line no. 2 of receipt footer,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C11 ---	PAYMENT FORM PROGRAMMING HISTORY RECORD	[C11:INDI:PG:ENMODPAG:PFLAGS:PMAXIMP:PIMPORTO:PDESCR:COMMISS:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=ENMODPAG, [Meaning]=form of payment number, [Range]=1 to 40 (if available),
 [Field]=PFLAGS, [Meaning]=numerical field the binary value of which is used to configure the forms of payment, [Range]=0-255,
 [Field]=PMAXIMP, [Meaning]=maximum amount of payment, [Range]=max 8 digits,
 [Field]=PIMPORTO, [Meaning]=pre-set amount associated to the form of payment, [Range]=max 8 digits,
 [Field]=PDESCR, [Meaning]=description associated to the form of payment,
 [Field]=COMMISS, [Meaning]=percent value of the commission to be linked to the form of payment,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C12 ---	CASH-BOX OPERATIONS PROGRAMMING HISTORY RECORD	[C12:INDI:PG:MAXSTORNI:MAXRESI:LIBERO:FONDOCASSA:ARROT:MAXRESTO:MAXRESTOACD:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	--	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,

[Field]=MAXSTORNI, [Meaning]=maximum limit of a past void, [Range]=max 8 digits,
 [Field]=MAXRESI, [Meaning]=maximum amount of a refund, [Range]=max 8 digits,
 [Field]=LIBERO, [Meaning]=not used, [Range]=default 0,
 [Field]=FONDOCASSA, [Meaning]=flag permitting the quantity of cash in drawer to be constantly kept in the memory, [Range]=0 or 1,
 [Field]=ARROT, [Meaning]=subtotal rounding mode code,
 [Field]=MAXRESTO, [Meaning]=maximum amount of change,
 [Field]=MAXRESTOACD, [Meaning]=maximum amount of change issued by the automatic change dispenser, [Range]=0 through 4,99,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C13 --- DISCOUNT/ADDITIONAL CHARGE MODES PROGRAMMING HISTORY RECORD [C13:INDI:PG:NMOD:FLSCO:VALORE:VALMAX:DDESCR:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NMOD, [Meaning]=number of discount/additional charge mode, [Range]=1 through 20,
 [Field]=FLSCO, [Meaning]=flags of discount/additional charge mode,
 [Field]=VALORE, [Meaning]=pre-set fixed string associated to the discount/additional charge, multiplied by 100, [Range]=if value, max 8 digits, if percentage max 100%,
 [Field]=VALMAX, [Meaning]=maximum amount applicable to discount/additional charge, [Range]=if value max 8 digits, if percentage max 100%,
 [Field]=DDESCR, [Meaning]=description of discount/additional charge type,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C14 --- VAT TABLE PROGRAMMING HISTORY RECORD [C14:INDI:PG:ALIQ0:ALIQ1:ALIQ2:ALIQ3:ALIQ4:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=ALIQ0, [Meaning]=percent value of VAT rate having code 0, [Range]=0 to 99,
 [Field]=ALIQ1, [Meaning]=percent value of VAT rate having code 1, [Range]=0 to 99,
 [Field]=ALIQ2, [Meaning]=percent value of VAT rate having code 2, [Range]=0 to 99,
 [Field]=ALIQ3, [Meaning]=percent value of VAT rate having code 3, [Range]=0 to 99,
 [Field]=ALIQ4, [Meaning]=percent value of VAT rate having code 4, [Range]=0 to 99,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C15 --- WAITERS' PROGRAMMING HISTORY RECORD [C15:INDI:PG:NUMCAM:WDESCR:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NUMCAM, [Meaning]=waiter's number, [Range]=1 through 20,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C16 --- CUSTOMERS' PROGRAMMING HISTORY RECORD [C16:INDI:PG:CODCLI:DESCR1:DESCR2:CUSPLIST:CUSVAT:CUSFMUL:MAXCRED:CUSFLAGS:GRUPO:DESCR3:DESCR4:CF:PIVA:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,
 [Field]=DESCR1, [Meaning]=line no. 1 customer's description,
 [Field]=DESCR2, [Meaning]=line no. 2 customer's description,

[Field]=CUSPLIST, [Meaning]=price list to which the customer has access, [Range]=0, 1 or 2,
 [Field]=CUSVAT, [Meaning]=VAT rate code associated to the customer,
 [Field]=CUSFMUL, [Meaning]=number of multiple function associated to the customer,
 [Field]=MAXCRED, [Meaning]=maximum amount of credit allowed for the customer, [Range]=max 8 digits,

[Field]=CUSFLAGS, [Meaning]=customer's flags,
 [Field]=GRUPPO, [Meaning]=number of customers' group to which the customer belongs, [Range]=1 through 255,
 [Field]=DESCR3, [Meaning]=line no. 3 customer's description,
 [Field]=DESCR4, [Meaning]=line no. 4 customer's description,
 [Field]=CF/PIVA, [Meaning]=customer's tax code,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C19 ---	CURRENCY TOTALIZER REPORT HISTORY RECORD	[C19:INDI:PG:NVALU:TOTVAL:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	--	-------------------------------------	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NVALU, [Meaning]=currency number, [Range]=1 through 4,
 [Field]=TOTVAL, [Meaning]=total cashed-in in selected currency,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C20 ---	KEYBOARD PROGRAMMING HISTORY RECORD	[C20:INDI:PG:CODTAST:LIVELLO:POS:CODFUN:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	-------------------------------------	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=CODTAST, [Meaning]=keyboard code, [Range]=0=default , 1=extended , 2=flat , 3=fpu,
 [Field]=LIVELLO, [Meaning]=keyboard level,
 [Field]=POS, [Meaning]=key position code,
 [Field]=CODFUN, [Meaning]=function code associated to the key,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C21 ---	HOURLY ACTIVITY REPORT HISTORY RECORD	[C21:INDI:PG:DAHH:AHH:MEDCLI:MEDART:MEDIMP:TOTIMP:TOTART:VALMED:PERCTOT:OPER:DOC]	ACK if correctly received NAK if not correctly received
---------	---------------------------------------	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=DAHH, [Meaning]=from hour,
 [Field]=AHH, [Meaning]=to hour,
 [Field]=MEDCLI, [Meaning]=number of customers,
 [Field]=MEDART, [Meaning]=average number of items per customer,
 [Field]=MEDIMP, [Meaning]=average amount per customer,
 [Field]=TOTIMP, [Meaning]=total net cash received on account,
 [Field]=TOTART, [Meaning]=total number of items,
 [Field]=VALMED, [Meaning]=average value of items,
 [Field]=PERCTOT, [Meaning]=percent on total,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 0	FINANCIAL REPORT HISTORY RECORD - DAILY DATA	[C22:INDI:PG:0:FST:NCLI:NART:OPER:DOC]	ACK if correctly received NAK if not correctly received
-------	--	--	--

CAUTION: due to its length, the financial report is divided into 11 different records identified by a number (0-10). The end of report record is "", and has the usual format. It is sent after record 10.

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=0, [Meaning]=record type identifier,
 [Field]=FST, [Meaning]=total number of (fiscal and non-fiscal) receipts issued,
 [Field]=NCLI, [Meaning]=number of customers served,
 [Field]=NART, [Meaning]=number of items sold,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 1	FINANCIAL REPORT HISTORY RECORD (TOTAL AMOUNTS) - DAILY DATA	IC22:INDI:PG:1:LORDOBAT:LORDOVEND:NETTOFISC:NORIS:RIPSA:RESTAV:RECREG:GIARIS:OPER:DOC	ACK if correctly received NAK if not correctly received
-------	--	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=1, [Meaning]=record type identifier,
 [Field]=LORDOBAT, [Meaning]=total gross amount typed-in,
 [Field]=LORDOVEND, [Meaning]=total gross amount of sales,
 [Field]=NETTOFISC, [Meaning]=total net fiscal amount,
 [Field]=NORIS, [Meaning]=totalizer of not cashed-in amounts,
 [Field]=RIPSA, [Meaning]=balance recall totalizer,
 [Field]=RESTAV, [Meaning]=table change totalizer,
 [Field]=RECREG, [Meaning]=charge recovery totalizer,
 [Field]=GIARIS, [Meaning]=totalizer of already cashed-in amounts,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 2	FINANCIAL REPORT HISTORY RECORD (TOTAL VOIDS) - DAILY DATA	IC22:INDI:PG:2:NANNU:TOTANNU:NSTOR:TOTSTOR:NRESI:TOTRESI:NARR:TOTARR:NSCAN:TOTSCA N:OPER:DOC	ACK if correctly received NAK if not correctly received
-------	--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=2, [Meaning]=record type identifier,
 [Field]=NANNU, [Meaning]=number of voids performed,
 [Field]=TOTANNU, [Meaning]=amount of voids,
 [Field]=NSTOR, [Meaning]=number of past voids performed,
 [Field]=TOTSTOR, [Meaning]=amount of past voids,
 [Field]=NRESI, [Meaning]=number of refunds performed,
 [Field]=TOTRESI, [Meaning]=amount of refunds,
 [Field]=NARR, [Meaning]=number of rounding-offs performed,
 [Field]=TOTARR, [Meaning]=amount of rounding-offs,
 [Field]=NSCAN, [Meaning]=number of receipts voided,
 [Field]=TOTSCAN, [Meaning]=amount of voided receipts,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 3	FINANCIAL REPORT HISTORY RECORD (DISCOUNTS) - DAILY DATA	IC22:INDI:PG:3:NVA:TOTVA:NOFFERTE:TOTOFFERTE:NVART:TOTVART:NVSUB:TOTVSUB:NDETR:TO TDETR:OPER:DOC	ACK if correctly received NAK if not correctly received
-------	--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=3, [Meaning]=record type identifier,
 [Field]=NVA, [Meaning]=number of automatic price changes,
 [Field]=TOTVA, [Meaning]=amount of automatic price changes,
 [Field]=NOFFERTE, [Meaning]=number of special offers applied,
 [Field]=TOTOFFERTE, [Meaning]=amount of special offers,
 [Field]=NVART, [Meaning]=number of item price changes,

[Field]=TOTVART, [Meaning]=amount of item price changes,
[Field]=NVSUB, [Meaning]=number of changes on subtotal,
[Field]=TOTVSUB, [Meaning]=amount of changes on subtotal,
[Field]=NDETR, [Meaning]=number of discounts/additional charges operations,
[Field]=TOTDETR, [Meaning]=total amount of discounts/additional charges,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 4 FINANCIAL REPORT HISTORY RECORD
(PAYMENTS) - DAILY DATA
CAUTION: the financial report relevant to payments is
divided in 4 records.

[C22:INDI:PG:4:NPAG1:TOTPA1:NPAG2:TOTPA2:NPAG3:TOTPA3:NPAG4:TOTPA4:NPAG5:TOTPA5:NPAG6:TOTPA6:NPAG7:TOTPA7:NPAG8:TOTPA8: NPAG9:TOTPA9:
NPAG10:TOTPA10:OPER:DOC]

ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,
[Field]=4, [Meaning]=record type identifier,
[Field]=NPAG1, [Meaning]=number of payments performed in form of payment no. 1,
[Field]=TOTPA1, [Meaning]=amount of payments performed in form of payment no. 1,
[Field]=NPAG2, [Meaning]=number of payments performed in form of payment no. 2,
[Field]=TOTPA2, [Meaning]=amount of payments performed in form of payment no. 2,
[Field]=NPAG3, [Meaning]=number of payments performed in form of payment no. 3,
[Field]=TOTPA3, [Meaning]=amount of payments performed in form of payment no. 3,
[Field]=NPAG4, [Meaning]=number of payments performed in form of payment no. 4,
[Field]=TOTPA4, [Meaning]=amount of payments performed in form of payment no. 4,
[Field]=NPAG5, [Meaning]=number of payments performed in form of payment no. 5,
[Field]=TOTPA5, [Meaning]=amount of payments performed in form of payment no. 5,
[Field]=NPAG6, [Meaning]=number of payments performed in form of payment no. 6,
[Field]=TOTPA6, [Meaning]=amount of payments performed in form of payment no. 6,
[Field]=NPAG7, [Meaning]=number of payments performed in form of payment no. 7,
[Field]=TOTPA7, [Meaning]=amount of payments performed in form of payment no. 7,
[Field]=NPAG8, [Meaning]=number of payments performed in form of payment no. 8,
[Field]=TOTPA8, [Meaning]=amount of payments performed in form of payment no. 8,
[Field]=NPAG9, [Meaning]=number of payments performed in form of payment no. 9,
[Field]=TOTPA9, [Meaning]=amount of payments performed in form of payment no. 9,
[Field]=NPAG10, [Meaning]=number of payments performed in form of payment no. 10,
[Field]=TOTPA10, [Meaning]=amount of payments performed in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:4:N1:NPAG11:TOTPA11:NPAG12:TOTPA12:NPAG13:TOTPA13:NPAG14:TOTPA14:
NPAG15:TOTPA15:NPAG16:TOTPA16:NPAG17:TOTPA17:NPAG18:TOTPA18:NPAG19:TOTPA19:
NPAG20:TOTPA20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,
[Field]=4, [Meaning]=record type identifier,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=from of payment no. 20, if
available),
[Field]=NPAG11, [Meaning]=number of payments performed in form of payment no. 11, [Range]=if
available,
[Field]=TOTPA11, [Meaning]=amount of payments performed in form of payment no. 11, [Range]=if
available,
[Field]=NPAG12, [Meaning]=number of payments performed in form of payment no. 12, [Range]=if
available,
[Field]=TOTPA12, [Meaning]=amount of payments performed in form of payment no. 12, [Range]=if
available,
[Field]=NPAG13, [Meaning]=number of payments performed in form of payment no. 13, [Range]=if
available,
[Field]=TOTPA13, [Meaning]=amount of payments performed in form of payment no. 13, [Range]=if
available,
[Field]=NPAG14, [Meaning]=number of payments performed in form of payment no. 14, [Range]=if
available,

[Field]=TOTPAG14, [Meaning]=amount of payments performed in form of payment no. 14, [Range]=if available,
[Field]=NPAG15, [Meaning]=number of payments performed in form of payment no. 15, [Range]=if available,
[Field]=TOTPAG15, [Meaning]=amount of payments performed in form of payment no. 15, [Range]=if available,
[Field]=NPAG16, [Meaning]=number of payments performed in form of payment no. 16, [Range]=if available,
[Field]=TOTPAG16, [Meaning]=amount of payments performed in form of payment no. 16, [Range]=if available,
[Field]=NPAG17, [Meaning]=number of payments performed in form of payment no. 17, [Range]=if available,
[Field]=TOTPAG17, [Meaning]=amount of payments performed in form of payment no. 17, [Range]=if available,
[Field]=NPAG18, [Meaning]=number of payments performed in form of payment no. 18, [Range]=if available,
[Field]=TOTPAG18, [Meaning]=amount of payments performed in form of payment no. 18, [Range]=if available,
[Field]=NPAG19, [Meaning]=number of payments performed in form of payment no. 19, [Range]=if available,
[Field]=TOTPAG19, [Meaning]=amount of payments performed in form of payment no. 19, [Range]=if available,
[Field]=NPAG20, [Meaning]=number of payments performed in form of payment no. 20, [Range]=if available,
[Field]=TOTPAG20, [Meaning]=amount of payments performed in form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:4:N2:NPAG21:TOTPAG21:NPAG22:TOTPAG22:NPAG23:TOTPAG23:NPAG24:TOTPAG24:NPAG25:TOTPAG25:NPAG26:TOTPAG26:NPAG27:TOTPAG27:NPAG28:TOTPAG28:NPAG29:TOTPAG29:NPAG30:TOTPAG30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=4, [Meaning]=record type identifier,
[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21÷form of payment no. 30, if available),
[Field]=NPAG21, [Meaning]=number of payments performed in form of payment no. 21, [Range]=if available,
[Field]=TOTPAG21, [Meaning]=amount of payments performed in form of payment no. 21, [Range]=if available,
[Field]=NPAG22, [Meaning]=number of payments performed in form of payment no. 22, [Range]=if available,
[Field]=TOTPAG22, [Meaning]=amount of payments performed in form of payment no. 22, [Range]=if available,
[Field]=NPAG23, [Meaning]=number of payments performed in form of payment no. 23, [Range]=if available,
[Field]=TOTPAG23, [Meaning]=amount of payments performed in form of payment no. 23, [Range]=if available,
[Field]=NPAG24, [Meaning]=number of payments performed in form of payment no. 24, [Range]=if available,
[Field]=TOTPAG24, [Meaning]=amount of payments performed in form of payment no. 24, [Range]=if available,
[Field]=NPAG25, [Meaning]=number of payments performed in form of payment no. 25, [Range]=if available,
[Field]=TOTPAG25, [Meaning]=amount of payments performed in form of payment no. 25, [Range]=if available,
[Field]=NPAG26, [Meaning]=number of payments performed in form of payment no. 26, [Range]=if available,
[Field]=TOTPAG26, [Meaning]=amount of payments performed in form of payment no. 26, [Range]=if available,
[Field]=NPAG27, [Meaning]=number of payments performed in form of payment no. 27, [Range]=if available,
[Field]=TOTPAG27, [Meaning]=amount of payments performed in form of payment no. 27, [Range]=if available,

[Field]=NPAG28, [Meaning]=number of payments performed in form of payment no. 28, [Range]=if available,
[Field]=TOTPAG28, [Meaning]=amount of payments performed in form of payment no. 28, [Range]=if available,
[Field]=NPAG29, [Meaning]=number of payments performed in form of payment no. 29, [Range]=if available,
[Field]=TOTPAG29, [Meaning]=amount of payments performed in form of payment no. 29, [Range]=if available,
[Field]=NPAG30, [Meaning]=number of payments performed in form of payment no. 30, [Range]=if available,
[Field]=TOTPAG30, [Meaning]=amount of payments performed in form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:4:N3:NPAG31:TOTPAG31:NPAG32:TOTPAG32:NPAG33:TOTPAG33:NPAG34:TOTPAG34:NPAG35:TOTPAG35:NPAG36:TOTPAG36:NPAG37:TOTPAG37:NPAG38:TOTPAG38:NPAG39:TOTPAG39:NPAG40:TOTPAG40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=4, [Meaning]=record type identifier,
[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31-form of payment no. 40, if available),
[Field]=NPAG31, [Meaning]=number of payments performed in form of payment no. 31, [Range]=if available,
[Field]=TOTPAG31, [Meaning]=amount of payments performed in form of payment no. 31, [Range]=if available,
[Field]=NPAG32, [Meaning]=number of payments performed in form of payment no. 32, [Range]=if available,
[Field]=TOTPAG32, [Meaning]=amount of payments performed in form of payment no. 32, [Range]=if available,
[Field]=NPAG33, [Meaning]=number of payments performed in form of payment no. 33, [Range]=if available,
[Field]=TOTPAG33, [Meaning]=amount of payments performed in form of payment no. 33, [Range]=if available,
[Field]=NPAG34, [Meaning]=number of payments performed in form of payment no. 34, [Range]=if available,
[Field]=TOTPAG34, [Meaning]=amount of payments performed in form of payment no. 34, [Range]=if available,
[Field]=NPAG35, [Meaning]=number of payments performed in form of payment no. 35, [Range]=if available,
[Field]=TOTPAG35, [Meaning]=amount of payments performed in form of payment no. 35, [Range]=if available,
[Field]=NPAG36, [Meaning]=number of payments performed in form of payment no. 36, [Range]=if available,
[Field]=TOTPAG36, [Meaning]=amount of payments performed in form of payment no. 36, [Range]=if available,
[Field]=NPAG37, [Meaning]=number of payments performed in form of payment no. 37, [Range]=if available,
[Field]=TOTPAG37, [Meaning]=amount of payments performed in form of payment no. 37, [Range]=if available,
[Field]=NPAG38, [Meaning]=number of payments performed in form of payment no. 38, [Range]=if available,
[Field]=TOTPAG38, [Meaning]=amount of payments performed in form of payment no. 38, [Range]=if available,
[Field]=NPAG39, [Meaning]=number of payments performed in form of payment no. 39, [Range]=if available,
[Field]=TOTPAG39, [Meaning]=amount of payments performed in form of payment no. 39, [Range]=if available,
[Field]=NPAG40, [Meaning]=number of payments performed in form of payment no. 40, [Range]=if available,
[Field]=TOTPAG40, [Meaning]=amount of payments performed in form of payment no. 40, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 5 FINANCIAL REPORT HISTORY RECORD (ISSUED DOCUMENTS) - DAILY DATA	<p>[C22:INDI:PG:5:FSF:FTOTSCF:NRIC:TOTRIC:NFAT:TOTFAT:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=5, [Meaning]=record type identifier, [Field]=FSF, [Meaning]=number of fiscal receipts issued, [Field]=FTOTSCF, [Meaning]=amount of fiscal receipts, [Field]=NRIC, [Meaning]=number of remote printer receipts, [Field]=TOTRIC, [Meaning]=amount of remote printer receipts, [Field]=NFAT, [Meaning]=number of invoices issued, [Field]=TOTFAT, [Meaning]=amount of invoices, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	ACK if correctly received NAK if not correctly received
C22 5 FINANCIAL REPORT HISTORY RECORD (ISSUED DOCUMENTS) - DAILY DATA	<p>[C22:INDI:PG:5:FSF:FTOTSCF:NRIC:TOTRIC:NFAT:TOTFAT:NFATOPC:TOTFATOPC:GIFTRNO:GIFTRTOT:NNOCRE:TOTNOCRE:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=5, [Meaning]=record type identifier, [Field]=FSF, [Meaning]=number of fiscal receipts issued, [Field]=FTOTSCF, [Meaning]=amount of fiscal receipts, [Field]=NRIC, [Meaning]=number of remote printer receipts, [Field]=TOTRIC, [Meaning]=amount of remote printer receipts, [Field]=NFAT, [Meaning]=number of invoices issued, [Field]=TOTFAT, [Meaning]=amount of invoices, [Field]=NFATOPC, [Meaning]=number of invoices sent to the computer, [Field]=TOTFATOPC, [Meaning]=amount of invoices sent to the computer, [Field]=GIFTRNO, [Meaning]=number of free of charge receipts issued, [Field]=GIFTRTOT, [Meaning]=amount of free of charge receipts, [Field]=NNOCRE, [Meaning]=number of credit note issues, [Field]=TOTNOCRE, [Meaning]=total amount of credit note issue, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	ACK if correctly received NAK if not correctly received
C22 6 FINANCIAL REPORT HISTORY RECORD (RECEIVED ON ACCOUNT) - DAILY DATA CAUTION: the financial report relevant to received on account amounts is divided in 4 records.	<p>[C22:INDI:PG:6:NROA1:TOTROA1:NROA2:TOTROA2:NROA3:TOTROA3:NROA4:TOTROA4:NROA5:TOTROA5:NROA6:TOTROA6:NROA7:TOTROA7:NROA8:TOTROA8:NROA9:TOTROA9:NROA10:TOTROA10:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=6, [Meaning]=record type identifier, [Field]=NROA1, [Meaning]=number of received on account operations in form of payment no. 1, [Field]=TOTROA1, [Meaning]=amount received on account in form of payment no. 1, [Field]=NROA2, [Meaning]=number of received on account operations in form of payment no. 2, [Field]=TOTROA2, [Meaning]=amount received on account in form of payment no. 2, [Field]=NROA3, [Meaning]=number of received on account operations in form of payment no. 3, [Field]=TOTROA3, [Meaning]=amount received on account in form of payment no. 3, [Field]=NROA4, [Meaning]=number of received on account operations in form of payment no. 4, [Field]=TOTROA4, [Meaning]=amount received on account in form of payment no. 4, [Field]=NROA5, [Meaning]=number of received on account operations in form of payment no. 5, [Field]=TOTROA5, [Meaning]=amount received on account in form of payment no. 5, [Field]=NROA6, [Meaning]=number of received on account operations in form of payment no. 6, [Field]=TOTROA6, [Meaning]=amount received on account in form of payment no. 6, [Field]=NROA7, [Meaning]=number of received on account operations in form of payment no. 7, [Field]=TOTROA7, [Meaning]=amount received on account in form of payment no. 7,</p>	ACK if correctly received NAK if not correctly received

[Field]=NROA8, [Meaning]=number of received on account operations in form of payment no. 8,
[Field]=TOTROA8, [Meaning]=amount received on account in form of payment no. 8,
[Field]=NROA9, [Meaning]=number of received on account operations in form of payment no. 9,
[Field]=TOTROA9, [Meaning]=amount received on account in form of payment no. 9,
[Field]=NROA10, [Meaning]=number of received on account operations in form of payment no. 10,
[Field]=TOTROA10, [Meaning]=amount received on account in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:6:N1:NROA11:TOTROA11:NROA12:TOTROA12:NROA13:TOTROA13:NROA14:TOTROA14:
NROA15:TOTROA15:NROA16:TOTROA16:NROA17:TOTROA17:NROA18:TOTROA18:NROA19:TOTROA
19:NROA20:TOTROA20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host.
The cash register will start sending the history file beginning from the next record. The value of INDI is
transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash
register will start sending the history file from the next record. The value of PG is transmitted to the host
every time a history file record is sent., [Range]=2 bytes,
[Field]=6, [Meaning]=record type identifier,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=form of payment no. 20, if
available),
[Field]=NROA11, [Meaning]=number of received on account operations in form of payment no. 11,
[Range]=if available,
[Field]=TOTROA11, [Meaning]=amount received on account in form of payment no. 11, [Range]=if available,

[Field]=NROA12, [Meaning]=number of received on account operations in form of payment no. 12,
[Range]=if available,
[Field]=TOTROA12, [Meaning]=amount received on account in form of payment no. 12, [Range]=if available,

[Field]=NROA13, [Meaning]=number of received on account operations in form of payment no. 13,
[Range]=if available,
[Field]=TOTROA13, [Meaning]=amount received on account in form of payment no. 13, [Range]=if available,

[Field]=NROA14, [Meaning]=number of received on account operations in form of payment no. 14,
[Range]=if available,
[Field]=TOTROA14, [Meaning]=amount received on account in form of payment no. 14, [Range]=if available,

[Field]=NROA15, [Meaning]=number of received on account operations in form of payment no. 15,
[Range]=if available,
[Field]=TOTROA15, [Meaning]=amount received on account in form of payment no. 15, [Range]=if available,

[Field]=NROA16, [Meaning]=number of received on account operations in form of payment no. 16,
[Range]=if available,
[Field]=TOTROA16, [Meaning]=amount received on account in form of payment no. 16, [Range]=if available,

[Field]=NROA17, [Meaning]=number of received on account operations in form of payment no. 17,
[Range]=if available,
[Field]=TOTROA17, [Meaning]=amount received on account in form of payment no. 17, [Range]=if available,

[Field]=NROA18, [Meaning]=number of received on account operations in form of payment no. 18,
[Range]=if available,
[Field]=TOTROA18, [Meaning]=amount received on account in form of payment no. 18, [Range]=if available,

[Field]=NROA19, [Meaning]=number of received on account operations in form of payment no. 19,
[Range]=if available,
[Field]=TOTROA19, [Meaning]=amount received on account in form of payment no. 19, [Range]=if available,

[Field]=NROA20, [Meaning]=number of received on account operations in form of payment no. 20,
[Range]=if available,
[Field]=TOTROA20, [Meaning]=amount received on account in form of payment no. 20, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:6:N2:NROA21:TOTROA21:NROA22:TOTROA22:NROA23:TOTROA23:NROA24:TOTROA24:
NROA25:TOTROA25:NROA26:TOTROA26:NROA27:TOTROA27:NROA28:TOTROA28:NROA29:TOTROA
29:NROA30:TOTROA30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=6, [Meaning]=record type identifier,
[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21-form of payment no. 30, if available),
[Field]=NROA21, [Meaning]=number of received on account operations in form of payment no. 21, [Range]=if available,
[Field]=TOTROA21, [Meaning]=amount received on account in form of payment no. 21, [Range]=if available,

[Field]=NROA22, [Meaning]=number of received on account operations in form of payment no. 22, [Range]=if available,
[Field]=TOTROA22, [Meaning]=amount received on account in form of payment no. 22, [Range]=if available,

[Field]=NROA23, [Meaning]=number of received on account operations in form of payment no. 23, [Range]=if available,
[Field]=TOTROA23, [Meaning]=amount received on account in form of payment no. 23, [Range]=if available,

[Field]=NROA24, [Meaning]=number of received on account operations in form of payment no. 24, [Range]=if available,
[Field]=TOTROA24, [Meaning]=amount received on account in form of payment no. 24, [Range]=if available,

[Field]=NROA25, [Meaning]=number of received on account operations in form of payment no. 25, [Range]=if available,
[Field]=TOTROA25, [Meaning]=amount received on account in form of payment no. 25, [Range]=if available,

[Field]=NROA26, [Meaning]=number of received on account operations in form of payment no. 26, [Range]=if available,
[Field]=TOTROA26, [Meaning]=amount received on account in form of payment no. 26, [Range]=if available,

[Field]=NROA27, [Meaning]=number of received on account operations in form of payment no. 27, [Range]=if available,
[Field]=TOTROA27, [Meaning]=amount received on account in form of payment no. 27, [Range]=if available,

[Field]=NROA28, [Meaning]=number of received on account operations in form of payment no. 28, [Range]=if available,
[Field]=TOTROA28, [Meaning]=amount received on account in form of payment no. 28, [Range]=if available,

[Field]=NROA29, [Meaning]=number of received on account operations in form of payment no. 29, [Range]=if available,
[Field]=TOTROA29, [Meaning]=amount received on account in form of payment no. 29, [Range]=if available,

[Field]=NROA30, [Meaning]=number of received on account operations in form of payment no. 30, [Range]=if available,
[Field]=TOTROA30, [Meaning]=amount received on account in form of payment no. 30, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:6:N3:NROA31:TOTROA31:NROA32:TOTROA32:NROA33:TOTROA33:NROA34:TOTROA34:NROA35:TOTROA35:NROA36:TOTROA36:NROA37:TOTROA37:NROA38:TOTROA38:NROA39:TOTROA39:NROA40:TOTROA40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=6, [Meaning]=record type identifier,
[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31-form of payment no. 40, if available),
[Field]=NROA31, [Meaning]=number of received on account operations in form of payment no. 31, [Range]=if available,
[Field]=TOTROA31, [Meaning]=amount received on account in form of payment no. 31, [Range]=if available,

[Field]=NROA32, [Meaning]=number of received on account operations in form of payment no. 32, [Range]=if available,
 [Field]=TOTROA32, [Meaning]=amount received on account in form of payment no. 32, [Range]=if available,

[Field]=NROA33, [Meaning]=number of received on account operations in form of payment no. 33, [Range]=if available,
 [Field]=TOTROA33, [Meaning]=amount received on account in form of payment no. 33, [Range]=if available,

[Field]=NROA34, [Meaning]=number of received on account operations in form of payment no. 34, [Range]=if available,
 [Field]=TOTROA34, [Meaning]=amount received on account in form of payment no. 34, [Range]=if available,

[Field]=NROA35, [Meaning]=number of received on account operations in form of payment no. 35, [Range]=if available,
 [Field]=TOTROA35, [Meaning]=amount received on account in form of payment no. 35, [Range]=if available,

[Field]=NROA36, [Meaning]=number of received on account operations in form of payment no. 36, [Range]=if available,
 [Field]=TOTROA36, [Meaning]=amount received on account in form of payment no. 36, [Range]=if available,

[Field]=NROA37, [Meaning]=number of received on account operations in form of payment no. 37, [Range]=if available,
 [Field]=TOTROA37, [Meaning]=amount received on account in form of payment no. 37, [Range]=if available,

[Field]=NROA38, [Meaning]=number of received on account operations in form of payment no. 38, [Range]=if available,
 [Field]=TOTROA38, [Meaning]=amount received on account in form of payment no. 38, [Range]=if available,

[Field]=NROA39, [Meaning]=number of received on account operations in form of payment no. 39, [Range]=if available,
 [Field]=TOTROA39, [Meaning]=amount received on account in form of payment no. 39, [Range]=if available,

[Field]=NROA40, [Meaning]=number of received on account operations in form of payment no. 40, [Range]=if available,
 [Field]=TOTROA40, [Meaning]=amount received on account in form of payment no. 40, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 7 FINANCIAL REPORT HISTORY RECORD (PAID OUT) - DAILY DATA
 CAUTION: the financial report relevant to paid out amounts is divided in 4 records.

[C22:INDI:PG:7:NPO1:TOTPO1:NPO2:TOTPO2:NPO3:TOTPO3:NPO4:TOTPO4:NPO5:TOTPO5:NPO6:TOTPO6:NPO7:TOTPO7:NPO8:TOTPO8:NPO9:TOTPO9:NPO10:TOTPO10:OPER:DOC]

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=7, [Meaning]=record type identifier,
 [Field]=NPO1, [Meaning]=number of paid out operations in form of payment no. 1,
 [Field]=TOTPO1, [Meaning]=amount paid out in form of payment no. 1,
 [Field]=NPO2, [Meaning]=number of paid out operations in form of payment no. 2,
 [Field]=TOTPO2, [Meaning]=amount paid out in form of payment no. 2,
 [Field]=NPO3, [Meaning]=number of paid out operations in form of payment no. 3,
 [Field]=TOTPO3, [Meaning]=amount paid out in form of payment no. 3,
 [Field]=NPO4, [Meaning]=number of paid out operations in form of payment no. 4,
 [Field]=TOTPO4, [Meaning]=amount paid out in form of payment no. 4,
 [Field]=NPO5, [Meaning]=number of paid out operations in form of payment no. 5,
 [Field]=TOTPO5, [Meaning]=amount paid out in form of payment no. 5,
 [Field]=NPO6, [Meaning]=number of paid out operations in form of payment no. 6,
 [Field]=TOTPO6, [Meaning]=amount paid out in form of payment no. 6,
 [Field]=NPO7, [Meaning]=number of paid out operations in form of payment no. 7,
 [Field]=TOTPO7, [Meaning]=amount paid out in form of payment no. 7,
 [Field]=NPO8, [Meaning]=number of paid out operations in form of payment no. 8,
 [Field]=TOTPO8, [Meaning]=amount paid out in form of payment no. 8,
 [Field]=NPO9, [Meaning]=number of paid out operations in form of payment no. 9,
 [Field]=TOTPO9, [Meaning]=amount paid out in form of payment no. 9,
 [Field]=NPO10, [Meaning]=number of paid out operations in form of payment no. 10,

[Field]=TOTPO10, [Meaning]=amount paid out in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:7:N1:NPO11:TOTPO11:NPO12:TOTPO12:NPO13:TOTPO13:NPO14:TOTPO14:NPO15:TOTPO15:NPO16:TOTPO16:NPO17:TOTPO17:NPO18:TOTPO18:NPO19:TOTPO19:NPO20:TOTPO20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=7, [Meaning]=record type identifier,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=from of payment no. 20, if available),
[Field]=NPO11, [Meaning]=number of paid out operations in form of payment no. 11, [Range]=if available,

[Field]=TOTPO11, [Meaning]=amount paid out in form of payment no. 11, [Range]=if available,
[Field]=NPO12, [Meaning]=number of paid out operations in form of payment no. 12, [Range]=if available,

[Field]=TOTPO12, [Meaning]=amount paid out in form of payment no. 12, [Range]=if available,
[Field]=NPO13, [Meaning]=number of paid out operations in form of payment no. 13, [Range]=if available,

[Field]=TOTPO13, [Meaning]=amount paid out in form of payment no. 13, [Range]=if available,
[Field]=NPO14, [Meaning]=number of paid out operations in form of payment no. 14, [Range]=if available,

[Field]=TOTPO14, [Meaning]=amount paid out in form of payment no. 14, [Range]=if available,
[Field]=NPO15, [Meaning]=number of paid out operations in form of payment no. 15, [Range]=if available,

[Field]=TOTPO15, [Meaning]=amount paid out in form of payment no. 15, [Range]=if available,
[Field]=NPO16, [Meaning]=number of paid out operations in form of payment no. 16, [Range]=if available,

[Field]=TOTPO16, [Meaning]=amount paid out in form of payment no. 16, [Range]=if available,
[Field]=NPO17, [Meaning]=number of paid out operations in form of payment no. 17, [Range]=if available,

[Field]=TOTPO17, [Meaning]=amount paid out in form of payment no. 17, [Range]=if available,
[Field]=NPO18, [Meaning]=number of paid out operations in form of payment no. 18, [Range]=if available,

[Field]=TOTPO18, [Meaning]=amount paid out in form of payment no. 18, [Range]=if available,
[Field]=NPO19, [Meaning]=number of paid out operations in form of payment no. 19, [Range]=if available,

[Field]=TOTPO19, [Meaning]=amount paid out in form of payment no. 19, [Range]=if available,
[Field]=NPO20, [Meaning]=number of paid out operations in form of payment no. 20, [Range]=if available,

[Field]=TOTPO20, [Meaning]=amount paid out in form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:7:N2:NPO21:TOTPO21:NPO22:TOTPO22:NPO23:TOTPO23:NPO24:TOTPO24:NPO25:TOTPO25:NPO26:TOTPO26:NPO27:TOTPO27:NPO28:TOTPO28:NPO29:TOTPO29:NPO30:TOTPO30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=7, [Meaning]=record type identifier,
[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21=from of payment no. 30, if available),
[Field]=NPO21, [Meaning]=number of paid out operations in form of payment no. 21, [Range]=if available,

[Field]=TOTPO21, [Meaning]=amount paid out in form of payment no. 21, [Range]=if available,
[Field]=NPO22, [Meaning]=number of paid out operations in form of payment no. 22, [Range]=if available,

[Field]=TOTPO22, [Meaning]=amount paid out in form of payment no. 22, [Range]=if available,
[Field]=NPO23, [Meaning]=number of paid out operations in form of payment no. 23, [Range]=if available,

[Field]=TOTPO23, [Meaning]=amount paid out in form of payment no. 23, [Range]=if available,
[Field]=NPO24, [Meaning]=number of paid out operations in form of payment no. 24, [Range]=if available,

[Field]=TOTPO24, [Meaning]=amount paid out in form of payment no. 24, [Range]=if available,
[Field]=NPO25, [Meaning]=number of paid out operations in form of payment no. 25, [Range]=if available,

[Field]=TOTPO25, [Meaning]=amount paid out in form of payment no. 25, [Range]=if available,
[Field]=NPO26, [Meaning]=number of paid out operations in form of payment no. 26, [Range]=if available,

[Field]=TOTPO26, [Meaning]=amount paid out in form of payment no. 26, [Range]=if available,
[Field]=NPO27, [Meaning]=number of paid out operations in form of payment no. 27, [Range]=if available,

[Field]=TOTPO27, [Meaning]=amount paid out in form of payment no. 27, [Range]=if available,
[Field]=NPO28, [Meaning]=number of paid out operations in form of payment no. 28, [Range]=if available,

[Field]=TOTPO28, [Meaning]=amount paid out in form of payment no. 28, [Range]=if available,
[Field]=NPO29, [Meaning]=number of paid out operations in form of payment no. 29, [Range]=if available,

[Field]=TOTPO29, [Meaning]=amount paid out in form of payment no. 29, [Range]=if available,
[Field]=NPO30, [Meaning]=number of paid out operations in form of payment no. 30, [Range]=if available,

[Field]=TOTPO30, [Meaning]=amount paid out in form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:7:N3:NPO31:TOTPO31:NPO32:TOTPO32:NPO33:TOTPO33:NPO34:TOTPO34:NPO35:TOTPO35:NPO36:TOTPO36:NPO37:TOTPO37:NPO38:TOTPO38:NPO39:TOTPO39:NPO40:TOTPO40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,

[Field]=7, [Meaning]=record type identifier,

[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31=;form of payment no. 40, if available),

[Field]=NPO31, [Meaning]=number of paid out operations in form of payment no. 31, [Range]=if available,

[Field]=TOTPO31, [Meaning]=amount paid out in form of payment no. 31, [Range]=if available,
[Field]=NPO32, [Meaning]=number of paid out operations in form of payment no. 32, [Range]=if available,

[Field]=TOTPO32, [Meaning]=amount paid out in form of payment no. 32, [Range]=if available,
[Field]=NPO33, [Meaning]=number of paid out operations in form of payment no. 33, [Range]=if available,

[Field]=TOTPO33, [Meaning]=amount paid out in form of payment no. 33, [Range]=if available,
[Field]=NPO34, [Meaning]=number of paid out operations in form of payment no. 34, [Range]=if available,

[Field]=TOTPO34, [Meaning]=amount paid out in form of payment no. 34, [Range]=if available,
[Field]=NPO35, [Meaning]=number of paid out operations in form of payment no. 35, [Range]=if available,

[Field]=TOTPO35, [Meaning]=amount paid out in form of payment no. 35, [Range]=if available,
[Field]=NPO36, [Meaning]=number of paid out operations in form of payment no. 36, [Range]=if available,

[Field]=TOTPO36, [Meaning]=amount paid out in form of payment no. 36, [Range]=if available,
[Field]=NPO37, [Meaning]=number of paid out operations in form of payment no. 37, [Range]=if available,

[Field]=TOTPO37, [Meaning]=amount paid out in form of payment no. 37, [Range]=if available,
[Field]=NPO38, [Meaning]=number of paid out operations in form of payment no. 38, [Range]=if available,

[Field]=TOTPO38, [Meaning]=amount paid out in form of payment no. 38, [Range]=if available,
[Field]=NPO39, [Meaning]=number of paid out operations in form of payment no. 39, [Range]=if available,

[Field]=TOTPO39, [Meaning]=amount paid out in form of payment no. 39, [Range]=if available,
[Field]=NPO40, [Meaning]=number of paid out operations in form of payment no. 40, [Range]=if available,

[Field]=TOTPO40, [Meaning]=amount paid out in form of payment no. 40, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 8	FINANCIAL REPORT HISTORY RECORD (CASH-IN-DRAWER) - DAILY DATA CAUTION: the financial report relevant to cash in drawer is divided in 4 records.	|C22:INDI:PG:8:NDRW1:TOTDRW1:NDRW2:TOTDRW2:NDRW3:TOTDRW3:NDRW4:TOTDRW4:NDRW5:TOTDRW5:NDRW6:TOTDRW6:NDRW7:TOTDRW7:NDRW8:TOTDRW8:NDRW9:TOTDRW9:NDRW10:TOTDRW10:OPER:DOC|	ACK if correctly received NAK if not correctly received
-------	--	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=8, [Meaning]=record type identifier,
 [Field]=NDRW1, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 1,
 [Field]=TOTDRW1, [Meaning]=amount in drawer in form of payment no. 1,
 [Field]=NDRW2, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 2,
 [Field]=TOTDRW2, [Meaning]=amount in drawer in form of payment no. 2,
 [Field]=NDRW3, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 3,
 [Field]=TOTDRW3, [Meaning]=amount in drawer in form of payment no. 3,
 [Field]=NDRW4, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 4,
 [Field]=TOTDRW4, [Meaning]=amount in drawer in form of payment no. 4,
 [Field]=NDRW5, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 5,
 [Field]=TOTDRW5, [Meaning]=amount in drawer in form of payment no. 5,
 [Field]=NDRW6, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 6,
 [Field]=TOTDRW6, [Meaning]=amount in drawer in form of payment no. 6,
 [Field]=NDRW7, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 7,
 [Field]=TOTDRW7, [Meaning]=amount in drawer in form of payment no. 7,
 [Field]=NDRW8, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 8,
 [Field]=TOTDRW8, [Meaning]=amount in drawer in form of payment no. 8,
 [Field]=NDRW9, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 9,
 [Field]=TOTDRW9, [Meaning]=amount in drawer in form of payment no. 9,
 [Field]=NDRW10, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 10,
 [Field]=TOTDRW10, [Meaning]=amount in drawer in form of payment no. 10,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

		|C22:INDI:PG:8:N1:NDRW11:TOTDRW11:NDRW12:TOTDRW12:NDRW13:TOTDRW13:NDRW14:TOTDRW14:NDRW15:TOTDRW15:NDRW16:TOTDRW16:NDRW17:TOTDRW17:NDRW18:TOTDRW18:NDRW19:TOTDRW19:NDRW20:TOTDRW20:OPER:DOC|	
--	--	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=8, [Meaning]=record type identifier,
 [Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11-form of payment no. 20, if available),
 [Field]=NDRW11, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 11, [Range]=if available,
 [Field]=TOTDRW11, [Meaning]=amount in drawer in form of payment no. 11, [Range]=if available,
 [Field]=NDRW12, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 12, [Range]=if available,
 [Field]=TOTDRW12, [Meaning]=amount in drawer in form of payment no. 12, [Range]=if available,
 [Field]=NDRW13, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 13, [Range]=if available,
 [Field]=TOTDRW13, [Meaning]=amount in drawer in form of payment no. 13, [Range]=if available,
 [Field]=NDRW14, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 14, [Range]=if available,
 [Field]=TOTDRW14, [Meaning]=amount in drawer in form of payment no. 14, [Range]=if available,

[Field]=NDRW15, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 15, [Range]=if available,
[Field]=TOTDRW15, [Meaning]=amount in drawer in form of payment no. 15, [Range]=if available,
[Field]=NDRW16, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 16, [Range]=if available,
[Field]=TOTDRW16, [Meaning]=amount in drawer in form of payment no. 16, [Range]=if available,
[Field]=NDRW17, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 17, [Range]=if available,
[Field]=TOTDRW17, [Meaning]=amount in drawer in form of payment no. 17, [Range]=if available,
[Field]=NDRW18, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 18, [Range]=if available,
[Field]=TOTDRW18, [Meaning]=amount in drawer in form of payment no. 18, [Range]=if available,
[Field]=NDRW19, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 19, [Range]=if available,
[Field]=TOTDRW19, [Meaning]=amount in drawer in form of payment no. 19, [Range]=if available,
[Field]=NDRW20, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 20, [Range]=if available,
[Field]=TOTDRW20, [Meaning]=amount in drawer in form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:8:N2:NDRW21:TOTDRW21:NDRW22:TOTDRW22:NDRW23:TOTDRW23:NDRW24:TOTDRW24:NDRW25:TOTDRW25:NDRW26:TOTDRW26:NDRW27:TOTDRW27:NDRW28:TOTDRW28:NDRW29:TOTDRW29:NDRW30:TOTDRW30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,

[Field]=8, [Meaning]=record type identifier,

[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21=from of payment no. 30, if available),

[Field]=NDRW21, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 21, [Range]=if available,

[Field]=TOTDRW21, [Meaning]=amount in drawer in form of payment no. 21, [Range]=if available,

[Field]=NDRW22, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 22, [Range]=if available,

[Field]=TOTDRW22, [Meaning]=amount in drawer in form of payment no. 22, [Range]=if available,

[Field]=NDRW23, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 23, [Range]=if available,

[Field]=TOTDRW23, [Meaning]=amount in drawer in form of payment no. 23, [Range]=if available,

[Field]=NDRW24, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 24, [Range]=if available,

[Field]=TOTDRW24, [Meaning]=amount in drawer in form of payment no. 24, [Range]=if available,

[Field]=NDRW25, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 25, [Range]=if available,

[Field]=TOTDRW25, [Meaning]=amount in drawer in form of payment no. 25, [Range]=if available,

[Field]=NDRW26, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 26, [Range]=if available,

[Field]=TOTDRW26, [Meaning]=amount in drawer in form of payment no. 26, [Range]=if available,

[Field]=NDRW27, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 27, [Range]=if available,

[Field]=TOTDRW27, [Meaning]=amount in drawer in form of payment no. 27, [Range]=if available,

[Field]=NDRW28, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 28, [Range]=if available,

[Field]=TOTDRW28, [Meaning]=amount in drawer in form of payment no. 28, [Range]=if available,

[Field]=NDRW29, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 29, [Range]=if available,

[Field]=TOTDRW29, [Meaning]=amount in drawer in form of payment no. 29, [Range]=if available,

[Field]=NDRW30, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 30, [Range]=if available,

[Field]=TOTDRW30, [Meaning]=amount in drawer in form of payment no. 30, [Range]=if available,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,

[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:8:N3:NDRW31:TOTDRW31:NDRW32:TOTDRW32:NDRW33:TOTDRW33:NDRW34:TOTDRW34:NDRW35:TOTDRW35:NDRW36:TOTDRW36:NDRW37:TOTDRW37:NDRW38:TOTDRW38:NDRW39:TOTDRW39:NDRW40:TOTDRW40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=8, [Meaning]=record type identifier,
 [Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31-form of payment no. 40, if available),
 [Field]=NDRW31, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 31, [Range]=if available,
 [Field]=TOTDRW31, [Meaning]=amount in drawer in form of payment no. 31, [Range]=if available,
 [Field]=NDRW32, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 32, [Range]=if available,
 [Field]=TOTDRW32, [Meaning]=amount in drawer in form of payment no. 32, [Range]=if available,
 [Field]=NDRW33, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 33, [Range]=if available,
 [Field]=TOTDRW33, [Meaning]=amount in drawer in form of payment no. 33, [Range]=if available,
 [Field]=NDRW34, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 34, [Range]=if available,
 [Field]=TOTDRW34, [Meaning]=amount in drawer in form of payment no. 34, [Range]=if available,
 [Field]=NDRW35, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 35, [Range]=if available,
 [Field]=TOTDRW35, [Meaning]=amount in drawer in form of payment no. 35, [Range]=if available,
 [Field]=NDRW36, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 36, [Range]=if available,
 [Field]=TOTDRW36, [Meaning]=amount in drawer in form of payment no. 36, [Range]=if available,
 [Field]=NDRW37, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 37, [Range]=if available,
 [Field]=TOTDRW37, [Meaning]=amount in drawer in form of payment no. 37, [Range]=if available,
 [Field]=NDRW38, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 38, [Range]=if available,
 [Field]=TOTDRW38, [Meaning]=amount in drawer in form of payment no. 38, [Range]=if available,
 [Field]=NDRW39, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 39, [Range]=if available,
 [Field]=TOTDRW39, [Meaning]=amount in drawer in form of payment no. 39, [Range]=if available,
 [Field]=NDRW40, [Meaning]=(number of payments + number of received on account – number of paid out) in form of payment no. 40, [Range]=if available,
 [Field]=TOTDRW40, [Meaning]=amount in drawer in form of payment no. 40, [Range]=if available,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 9	FINANCIAL REPORT HISTORY RECORD (PAYMENTS IN PERIOD) CAUTION: the financial report relevant to payments in period is divided in 4 records.	|C22:INDI:PG:9:NPAG1:TOTPA1:NPAG2:TOTPA2:NPAG3:TOTPA3:NPAG4:TOTPA4:NPAG5:TOTPA5:NPAG6:TOTPA6:NPAG7:TOTPA7:NPAG8:TOTPA8:NPAG9:TOTPA9:NPAG10:TOTPA10:OPER:DOC|	ACK if correctly received NAK if not correctly received
-------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=9, [Meaning]=record type identifier,
 [Field]=NPAG1, [Meaning]=number of payments performed in form of payment no. 1,
 [Field]=TOTPA1, [Meaning]=amount of payments performed in form of payment no. 1,
 [Field]=NPAG2, [Meaning]=number of payments performed in form of payment no. 2,
 [Field]=TOTPA2, [Meaning]=amount of payments performed in form of payment no. 2,
 [Field]=NPAG3, [Meaning]=number of payments performed in form of payment no. 3,
 [Field]=TOTPA3, [Meaning]=amount of payments performed in form of payment no. 3,
 [Field]=NPAG4, [Meaning]=number of payments performed in form of payment no. 4,
 [Field]=TOTPA4, [Meaning]=amount of payments performed in form of payment no. 4,
 [Field]=NPAG5, [Meaning]=number of payments performed in form of payment no. 5,
 [Field]=TOTPA5, [Meaning]=amount of payments performed in form of payment no. 5,
 [Field]=NPAG6, [Meaning]=number of payments performed in form of payment no. 6,
 [Field]=TOTPA6, [Meaning]=amount of payments performed in form of payment no. 6,
 [Field]=NPAG7, [Meaning]=number of payments performed in form of payment no. 7,
 [Field]=TOTPA7, [Meaning]=amount of payments performed in form of payment no. 7,
 [Field]=NPAG8, [Meaning]=number of payments performed in form of payment no. 8,
 [Field]=TOTPA8, [Meaning]=amount of payments performed in form of payment no. 8,

[Field]=NPAG9, [Meaning]=number of payments performed in form of payment no. 9,
[Field]=TOTPAG9, [Meaning]=amount of payments performed in form of payment no. 9,
[Field]=NPAG10, [Meaning]=number of payments performed in form of payment no. 10,
[Field]=TOTPAG10, [Meaning]=amount of payments performed in form of payment no. 10,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:9:N1:NPAG11:TOTPAG11:NPAG12:TOTPAG12:NPAG13:TOTPAG13:NPAG14:TOTPAG14:
NPAG15:TOTPAG15:NPAG16:TOTPAG16:NPAG17:TOTPAG17:NPAG18:TOTPAG18:NPAG19:TOTPAG19:
9:NPAG20:TOTPAG20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=9, [Meaning]=record type identifier,
[Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=from of payment no. 20, if available),
[Field]=NPAG11, [Meaning]=number of payments performed in form of payment no. 11, [Range]=if available,
[Field]=TOTPAG11, [Meaning]=amount of payments performed in form of payment no. 11, [Range]=if available,
[Field]=NPAG12, [Meaning]=number of payments performed in form of payment no. 12, [Range]=if available,
[Field]=TOTPAG12, [Meaning]=amount of payments performed in form of payment no. 12, [Range]=if available,
[Field]=NPAG13, [Meaning]=number of payments performed in form of payment no. 13, [Range]=if available,
[Field]=TOTPAG13, [Meaning]=amount of payments performed in form of payment no. 13, [Range]=if available,
[Field]=NPAG14, [Meaning]=number of payments performed in form of payment no. 14, [Range]=if available,
[Field]=TOTPAG14, [Meaning]=amount of payments performed in form of payment no. 14, [Range]=if available,
[Field]=NPAG15, [Meaning]=number of payments performed in form of payment no. 15, [Range]=if available,
[Field]=TOTPAG15, [Meaning]=amount of payments performed in form of payment no. 15, [Range]=if available,
[Field]=NPAG16, [Meaning]=number of payments performed in form of payment no. 16, [Range]=if available,
[Field]=TOTPAG16, [Meaning]=amount of payments performed in form of payment no. 16, [Range]=if available,
[Field]=NPAG17, [Meaning]=number of payments performed in form of payment no. 17, [Range]=if available,
[Field]=TOTPAG17, [Meaning]=amount of payments performed in form of payment no. 17, [Range]=if available,
[Field]=NPAG18, [Meaning]=number of payments performed in form of payment no. 18, [Range]=if available,
[Field]=TOTPAG18, [Meaning]=amount of payments performed in form of payment no. 18, [Range]=if available,
[Field]=NPAG19, [Meaning]=number of payments performed in form of payment no. 19, [Range]=if available,
[Field]=TOTPAG19, [Meaning]=amount of payments performed in form of payment no. 19, [Range]=if available,
[Field]=NPAG20, [Meaning]=number of payments performed in form of payment no. 20, [Range]=if available,
[Field]=TOTPAG20, [Meaning]=amount of payments performed in form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:9:N2:NPAG21:TOTPAG21:NPAG22:TOTPAG22:NPAG23:TOTPAG23:NPAG24:TOTPAG24:
NPAG25:TOTPAG25:NPAG26:TOTPAG26:NPAG27:TOTPAG27:NPAG28:TOTPAG28:NPAG29:TOTPAG29:
9:NPAG30:TOTPAG30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=9, [Meaning]=record type identifier,
[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21-form of payment no. 30, if available),
[Field]=NPAG21, [Meaning]=number of payments performed in form of payment no. 21, [Range]=if available,
[Field]=TOTPAG21, [Meaning]=amount of payments performed in form of payment no. 21, [Range]=if available,
[Field]=NPAG22, [Meaning]=number of payments performed in form of payment no. 22, [Range]=if available,
[Field]=TOTPAG22, [Meaning]=amount of payments performed in form of payment no. 22, [Range]=if available,
[Field]=NPAG23, [Meaning]=number of payments performed in form of payment no. 23, [Range]=if available,
[Field]=TOTPAG23, [Meaning]=amount of payments performed in form of payment no. 23, [Range]=if available,
[Field]=NPAG24, [Meaning]=number of payments performed in form of payment no. 24, [Range]=if available,
[Field]=TOTPAG24, [Meaning]=amount of payments performed in form of payment no. 24, [Range]=if available,
[Field]=NPAG25, [Meaning]=number of payments performed in form of payment no. 25, [Range]=if available,
[Field]=TOTPAG25, [Meaning]=amount of payments performed in form of payment no. 25, [Range]=if available,
[Field]=NPAG26, [Meaning]=number of payments performed in form of payment no. 26, [Range]=if available,
[Field]=TOTPAG26, [Meaning]=amount of payments performed in form of payment no. 26, [Range]=if available,
[Field]=NPAG27, [Meaning]=number of payments performed in form of payment no. 27, [Range]=if available,
[Field]=TOTPAG27, [Meaning]=amount of payments performed in form of payment no. 27, [Range]=if available,
[Field]=NPAG28, [Meaning]=number of payments performed in form of payment no. 28, [Range]=if available,
[Field]=TOTPAG28, [Meaning]=amount of payments performed in form of payment no. 28, [Range]=if available,
[Field]=NPAG29, [Meaning]=number of payments performed in form of payment no. 29, [Range]=if available,
[Field]=TOTPAG29, [Meaning]=amount of payments performed in form of payment no. 29, [Range]=if available,
[Field]=NPAG30, [Meaning]=number of payments performed in form of payment no. 30, [Range]=if available,
[Field]=TOTPAG30, [Meaning]=amount of payments performed in form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22:INDI:PG:9:N3:NPAG31:TOTPAG31:NPAG32:TOTPAG32:NPAG33:TOTPAG33:NPAG34:TOTPAG34:NPAG35:TOTPAG35:NPAG36:TOTPAG36:NPAG37:TOTPAG37:NPAG38:TOTPAG38:NPAG39:TOTPAG39:NPAG40:TOTPAG40:OPER:DOC

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=9, [Meaning]=record type identifier,
[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31-form of payment no. 40, if available),
[Field]=NPAG31, [Meaning]=number of payments performed in form of payment no. 31, [Range]=if available,
[Field]=TOTPAG31, [Meaning]=amount of payments performed in form of payment no. 31, [Range]=if available,
[Field]=NPAG32, [Meaning]=number of payments performed in form of payment no. 32, [Range]=if available,
[Field]=TOTPAG32, [Meaning]=amount of payments performed in form of payment no. 32, [Range]=if available,

[Field]=NPAG33, [Meaning]=number of payments performed in form of payment no. 33, [Range]=if available,
 [Field]=TOTPAG33, [Meaning]=amount of payments performed in form of payment no. 33, [Range]=if available,
 [Field]=NPAG34, [Meaning]=number of payments performed in form of payment no. 34, [Range]=if available,
 [Field]=TOTPAG34, [Meaning]=amount of payments performed in form of payment no. 34, [Range]=if available,
 [Field]=NPAG35, [Meaning]=number of payments performed in form of payment no. 35, [Range]=if available,
 [Field]=TOTPAG35, [Meaning]=amount of payments performed in form of payment no. 35, [Range]=if available,
 [Field]=NPAG36, [Meaning]=number of payments performed in form of payment no. 36, [Range]=if available,
 [Field]=TOTPAG36, [Meaning]=amount of payments performed in form of payment no. 36, [Range]=if available,
 [Field]=NPAG37, [Meaning]=number of payments performed in form of payment no. 37, [Range]=if available,
 [Field]=TOTPAG37, [Meaning]=amount of payments performed in form of payment no. 37, [Range]=if available,
 [Field]=NPAG38, [Meaning]=number of payments performed in form of payment no. 38, [Range]=if available,
 [Field]=TOTPAG38, [Meaning]=amount of payments performed in form of payment no. 38, [Range]=if available,
 [Field]=NPAG39, [Meaning]=number of payments performed in form of payment no. 39, [Range]=if available,
 [Field]=TOTPAG39, [Meaning]=amount of payments performed in form of payment no. 39, [Range]=if available,
 [Field]=NPAG40, [Meaning]=number of payments performed in form of payment no. 40, [Range]=if available,
 [Field]=TOTPAG40, [Meaning]=amount of payments performed in form of payment no. 40, [Range]=if available,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C22 10 FINANCIAL REPORT HISTORY RECORD
 (COMMISSIONS ON PAYMENTS)

[C22:INDI:PG:RT110:COMPAG1:COMPAG2:COMPAG3:COMPAG4:COMPAG5:COMPAG6:COMPAG7:COMPAG8:COMPAG9:COMPAG10:OPER:DOC]

ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=RT110, [Meaning]=record type identifier,
 [Field]=COMPAG1, [Meaning]=deduction of commission from form of payment no. 1,
 [Field]=COMPAG2, [Meaning]=deduction of commission from form of payment no. 2,
 [Field]=COMPAG3, [Meaning]=deduction of commission from form of payment no. 3,
 [Field]=COMPAG4, [Meaning]=deduction of commission from form of payment no. 4,
 [Field]=COMPAG5, [Meaning]=deduction of commission from form of payment no. 5,
 [Field]=COMPAG6, [Meaning]=deduction of commission from form of payment no. 6,
 [Field]=COMPAG7, [Meaning]=deduction of commission from form of payment no. 7,
 [Field]=COMPAG8, [Meaning]=deduction of commission from form of payment no. 8,
 [Field]=COMPAG9, [Meaning]=deduction of commission from form of payment no. 9,
 [Field]=COMPAG10, [Meaning]=deduction of commission from form of payment no. 10,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:RT110:N1:COMPAG11:COMPAG12:COMPAG13:COMPAG14:COMPAG15:COMPAG16:COMPAG17:COMPAG18:COMPAG19:COMPAG20:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=RT110, [Meaning]=record type identifier,
 [Field]=N1, [Meaning]=second record, [Range]=1 (form of payment no. 11=form of payment no. 20, if available),

[Field]=COMPAG11, [Meaning]=deduction of commission from form of payment no. 11, [Range]=if available,
[Field]=COMPAG12, [Meaning]=deduction of commission from form of payment no. 12, [Range]=if available,
[Field]=COMPAG13, [Meaning]=deduction of commission from form of payment no. 13, [Range]=if available,
[Field]=COMPAG14, [Meaning]=deduction of commission from form of payment no. 14, [Range]=if available,
[Field]=COMPAG15, [Meaning]=deduction of commission from form of payment no. 15, [Range]=if available,
[Field]=COMPAG16, [Meaning]=deduction of commission from form of payment no. 16, [Range]=if available,
[Field]=COMPAG17, [Meaning]=deduction of commission from form of payment no. 17, [Range]=if available,
[Field]=COMPAG18, [Meaning]=deduction of commission from form of payment no. 18, [Range]=if available,
[Field]=COMPAG19, [Meaning]=deduction of commission from form of payment no. 19, [Range]=if available,
[Field]=COMPAG20, [Meaning]=deduction of commission from form of payment no. 20, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:RT110:N2:COMPAG21:COMPAG22:COMPAG23:COMPAG24:COMPAG25:COMPAG26:COMPAG27:COMPAG28:COMPAG29:COMPAG30:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=RT110, [Meaning]=record type identifier,
[Field]=N2, [Meaning]=third record, [Range]=2 (form of payment no. 21=from payment no. 30, if available),
[Field]=COMPAG21, [Meaning]=deduction of commission from form of payment no. 21, [Range]=if available,
[Field]=COMPAG22, [Meaning]=deduction of commission from form of payment no. 22, [Range]=if available,
[Field]=COMPAG23, [Meaning]=deduction of commission from form of payment no. 23, [Range]=if available,
[Field]=COMPAG24, [Meaning]=deduction of commission from form of payment no. 24, [Range]=if available,
[Field]=COMPAG25, [Meaning]=deduction of commission from form of payment no. 25, [Range]=if available,
[Field]=COMPAG26, [Meaning]=deduction of commission from form of payment no. 26, [Range]=if available,
[Field]=COMPAG27, [Meaning]=deduction of commission from form of payment no. 27, [Range]=if available,
[Field]=COMPAG28, [Meaning]=deduction of commission from form of payment no. 28, [Range]=if available,
[Field]=COMPAG29, [Meaning]=deduction of commission from form of payment no. 29, [Range]=if available,
[Field]=COMPAG30, [Meaning]=deduction of commission from form of payment no. 30, [Range]=if available,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

[C22:INDI:PG:RT110:N3:COMPAG31:COMPAG32:COMPAG33:COMPAG34:COMPAG35:COMPAG36:COMPAG37:COMPAG38:COMPAG39:COMPAG40:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=RT110, [Meaning]=record type identifier,
[Field]=N3, [Meaning]=fourth record, [Range]=3 (form of payment no. 31=from payment no. 40, if available),

[Field]=COMPAG31, [Meaning]=deduction of commission from form of payment no. 31, [Range]=if available,
 [Field]=COMPAG32, [Meaning]=deduction of commission from form of payment no. 32, [Range]=if available,
 [Field]=COMPAG33, [Meaning]=deduction of commission from form of payment no. 33, [Range]=if available,
 [Field]=COMPAG34, [Meaning]=deduction of commission from form of payment no. 34, [Range]=if available,
 [Field]=COMPAG35, [Meaning]=deduction of commission from form of payment no. 35, [Range]=if available,
 [Field]=COMPAG36, [Meaning]=deduction of commission from form of payment no. 36, [Range]=if available,
 [Field]=COMPAG37, [Meaning]=deduction of commission from form of payment no. 37, [Range]=if available,
 [Field]=COMPAG38, [Meaning]=deduction of commission from form of payment no. 38, [Range]=if available,
 [Field]=COMPAG39, [Meaning]=deduction of commission from form of payment no. 39, [Range]=if available,
 [Field]=COMPAG40, [Meaning]=deduction of commission from form of payment no. 40, [Range]=if available,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C23 --- DIRECT PLU PROGRAMMING HISTORY RECORD	[C23:INDI:PG:CODPLU:REPARTO:OPER:DOC]	ACK if correctly received NAK if not correctly received
---	---------------------------------------	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=CODPLU, [Meaning]=numerical code of direct PLU, [Range]=1 to 250,
 [Field]=REPARTO, [Meaning]=department number, [Range]=1 to 250,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C24 --- CONNECTABILITY PROGRAMMING HISTORY RECORD	[C24:INDI:PG:BCC:HELLO1:HELLO2:HELLO3:TOUT:BEEP:MAXT:LIVINT:LIVHIS:NCASSA:PAGHIST:SPEED:PAGPLU:PLUPAG:MAXPLU:PAGCLI:CLIPAG:CLIENTI:INDCASSA:FLAGSCOM1:FLAGSCOM2:PAGDI:FFE:PAGRIST:OPER:DOC]	ACK if correctly received NAK if not correctly received
---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=BCC, [Meaning]=flag for calculation of serial BCC for the scanner,
 [Field]=HELLO1, [Meaning]=normal hello time,
 [Field]=HELLO2, [Meaning]=fast hello time,
 [Field]=HELLO3, [Meaning]=slow hello time,
 [Field]=TOUT, [Meaning]=timeout time on communication,
 [Field]=BEEP, [Meaning]=beep on timeout flag,
 [Field]=MAXT, [Meaning]=maximum number of re-transmissions,
 [Field]=LIVINT, [Meaning]=interactivity level,
 [Field]=LIVHIS, [Meaning]=history file transmission level,
 [Field]=NCASSA, [Meaning]=cash register number,
 [Field]=PAGHIST, [Meaning]=number of pages destined for the history file,
 [Field]=SPEED, [Meaning]=communication speed - baud-rate,
 [Field]=PAGPLU, [Meaning]=number of pages destined for PLU archive,
 [Field]=PLUPAG, [Meaning]=maximum number of PLUs per page,
 [Field]=MAXPLU, [Meaning]=maximum number of PLUs,
 [Field]=PAGCLI, [Meaning]=number of pages destined for the customers' archive,
 [Field]=CLIPAG, [Meaning]=maximum number of customers per page,
 [Field]=CLIENTI, [Meaning]=maximum number of customers,
 [Field]=INDCASSA, [Meaning]=cash register address,
 [Field]=FLAGSCOM1, [Meaning]=numerical field the binary value of which is used by the cash register to configure the communication procedures, [Range]=0-255,
 [Field]=FLAGSCOM2, [Meaning]=numerical field the binary value of which is used by the cash register to configure the communication operating modes, [Range]=0-255,

[Field]=PAGDIFFE, [Meaning]=number of pages destined for the archive of customer sales summaries,

[Field]=PAGRIST, [Meaning]=number of pages destined for the archive of restaurants management,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C25 --- CLERKS AND WAITERS' ENABLE HISTORY RECORD |C25:INDI:PG:OPEON:ABILCAM:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=OPEON, [Meaning]=clerk's management enabling, [Range]=1=enabled, 0=disabled,
[Field]=ABILCAM, [Meaning]=numerical field the binary value of which is used by the cash register to configure the waiters' management, [Range]=0-255,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C26 --- REMOTE PRINTER PROGRAMMING HISTORY RECORD |C26:INDI:PG:RPFLAGS:MSUP:MAXR:POSPAG:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=RPFLAGS, [Meaning]=remote printer flags,
[Field]=MSUP, [Meaning]=number of lines in header,
[Field]=MAXR, [Meaning]=maximum number of lines in receipt/invoice,
[Field]=POSPAG, [Meaning]=number of line at which there starts the print of the data concerning payments,

[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C27 --- RECEIPT FLAGS PROGRAMMING HISTORY RECORD |C27:INDI:PG:FLSCO1:FLSCO2:FLSCO3:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=FLSCO1, [Meaning]=1st receipt flags level,
[Field]=FLSCO2, [Meaning]=2nd receipt flags level,
[Field]=FLSCO3, [Meaning]=3rd receipt flags level,
[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C28 --- GENERIC PROGRAMMING HISTORY RECORD |C28:INDI:PG:FLCHI:FLREP:FLGEN1:FLGEN2:CLICK:COPY:ALLH24:NERO:PESO:PLUOFF:LOCALE:NO
FFE:AUTOMUL:TECNICA:FLCLI:NLINEE:%IMP:%TAB:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
[Field]=FLCHI, [Meaning]=flags of automatic management reports,
[Field]=FLREP, [Meaning]=global department flags,
[Field]=FLGEN1, [Meaning]=1st general flags level, [Range]=0-255,
[Field]=FLGEN2, [Meaning]=2nd general flags level, [Range]=0-255,
[Field]=CLICK, [Meaning]=keyboard click enable,
[Field]=COPY, [Meaning]=receipt copy enable,
[Field]=ALLH24, [Meaning]=midnight alarm enable,
[Field]=NERO, [Meaning]=print quality,
[Field]=PESO, [Meaning]=enabling of mixed codes for PLUs with price by weight,
[Field]=PLUOFF, [Meaning]=enabling of PLUs not included in archive,

[Field]=LOCALE, [Meaning]=enabling of search in local archives,
 [Field]=NOFFE, [Meaning]=number of special offers concurrently open,
 [Field]=AUTOMUL, [Meaning]=automatic multi-ticket enable,
 [Field]=TECNICA, [Meaning]=date scheduled for Service Engineer's visit,
 [Field]=FLCLI, [Meaning]=customers' management flags,
 [Field]=NLINEE, [Meaning]=number of paper feed lines at receipt end,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C29 --- CHIP CARD MANAGEMENT PROGRAMMING HISTORY RECORD [C29:INDI:PG:PSW:CCMFLAGS:CODNEG:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=PSW, [Meaning]=password for chip card programming,
 [Field]=CCMFLAGS, [Meaning]=chip card management flags,
 [Field]=CODNEG, [Meaning]=establishment (shop) code,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C30 0 CUSTOMERS' REPORT HISTORY RECORD CAUTION: due to its length, the customers' report is divided in 2 records per customer, which are identified by a number (0-1). The customer's code is included in type 0 record only. A record related to the same customer ALWAYS follows the type 0 record. The end of report record consists of an "*", that is the usual format. It is sent after record 1 of the last sent customer. Only the customers who performed at least one operation are sent. [C30:INDI:PG:0:CODCLI:CREDITO:TOTIMPORTO:NSCF:DATAUV:DATAUC:EUROFLAG:CREFINA:SALD OPUNTI:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=0, [Meaning]=record type identifier,
 [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,
 [Field]=CREDITO, [Meaning]=total amount of charge,
 [Field]=TOTIMPORTO, [Meaning]=total amount of sales,
 [Field]=NSCF, [Meaning]=number of receipts issued,
 [Field]=DATAUV, [Meaning]=date of last sale cashed-in,
 [Field]=DATAUC, [Meaning]=date of last sale not cashed-in,
 [Field]=EUROFLAG, [Meaning]=chip card value currency, [Range]=128=euro
 0=lire,
 [Field]=CREFINA, [Meaning]=credit after transaction,
 [Field]=SALDOPUNTI, [Meaning]=total of points accrued,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C30 1 CUSTOMERS' REPORT HISTORY RECORD [C30:INDI:PG:1:BOLLINI1:BOLLINI2:BOLLINI3:BOLLINI4:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=1, [Meaning]=record type identifier,
 [Field]=BOLLINI1, [Meaning]=points accrued for coupon type 1,
 [Field]=BOLLINI2, [Meaning]=points accrued for coupon type 2,
 [Field]=BOLLINI3, [Meaning]=points accrued for coupon type 3,
 [Field]=BOLLINI4, [Meaning]=points accrued for coupon type 4,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C31 --- HISTORY RECORD OF CUSTOMERS SALES SUMMARIES REPORT	<p>[C31:INDI:PG:CODCLI:NDOC:DATAEMI:TOTALEDOC:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits, [Field]=NDOC, [Meaning]=document number, [Field]=DATAEMI, [Meaning]=document issue date, [Field]=TOTALEDOC, [Meaning]=total amount of document, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
C32 --- COUPON REPORT HISTORY RECORD	<p>[C32:INDI:PG:COUPON:PUNTI:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=COUPON, [Meaning]=type of coupon issued, [Range]=1 through 4, [Field]=PUNTI, [Meaning]=number of points accrued, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
C33 --- HISTORY RECORD OF OPEN TABLES/BILLS REPORT	<p>[C33:INDI:PG:NUMTAV:NUMCAM:NART:TOTC:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=NUMTAV, [Meaning]=table number, [Field]=NUMCAM, [Meaning]=waiter's number, [Range]=1 through 20, [Field]=NART, [Meaning]=number of items sold, [Field]=TOTC, [Meaning]=total of bill, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
C34 --- HISTORY RECORD OF TICKET FORM OF PAYMENTS	<p>[C34:INDI:PG:NUMCAU:NTAGLIO:QTCK:TDPREZZO:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes, [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes, [Field]=NUMCAU, [Meaning]=number of the form of payment that corresponds to the type of ticket, [Range]=6 for TICKET 1 through 39 for TICKET 34, [Field]=NTAGLIO, [Meaning]=identification number of the ticket denomination, [Range]=1 through 15, [Field]=QTCK, [Meaning]=number of tickets of the relevant denomination cashed-in, [Field]=TDPREZZO, [Meaning]=amount of the ticket denomination, [Range]=max 8 digits, [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99, [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>	<p>ACK if correctly received NAK if not correctly received</p>
C35 --- HISTORY RECORD OF CUSTOMERS GROUPS	<p>[C35:INDI:PG:GRUPPO:CODCLI:DATAEMI:NDOC:TOTALEDOC:OPER:DOC]</p> <p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,</p>	<p>ACK if correctly received NAK if not correctly received</p>

[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=GRUPPO, [Meaning]=number of customers' group to which the customer belongs, [Range]=1 through 255,
 [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,
 [Field]=DATAEMI, [Meaning]=document issue date,
 [Field]=NDOC, [Meaning]=document number,
 [Field]=TOTALEDOC, [Meaning]=total amount of document,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C50 --- PERIODIC ICONS PROGRAMMING HISTORY RECORD |C50:INDI:PG:NUMICO:CODICO:INIPER:FINEPER:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NUMICO, [Meaning]=icon number,
 [Field]=CODICO, [Meaning]=icon code, [Range]=max 2 digits,
 [Field]=INIPER, [Meaning]=period start date, [Range]=DDMMYY,
 [Field]=FINEPER, [Meaning]=period end date, [Range]=DDMMYY,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C51 --- HISTORY RECORD OF DEPARTMENT GROUP DESCRIPTIONS PROGRAMMING |C51:INDI:PG:DPTGRUPPO:DPTGDESCR:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=DPTGRUPPO, [Meaning]=group to which the department belongs, [Range]=0-11,
 [Field]=DPTGDESCR, [Meaning]=department group description,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C52 --- COUPON PROGRAMMING HISTORY RECORD |C52:INDI:PG:NUMBOLL:TIPOACC:VALORE1:PUNTI1:VALORE2:PUNTI2:VALORE3:PUNTI3:VALORE4:PUNTI4:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NUMBOLL, [Meaning]=coupon number, [Range]=1 through 4,
 [Field]=TIPOACC, [Meaning]=type of accrual, [Range]=0=value, 1=quantity,
 [Field]=VALORE1, [Meaning]=application threshold value for coupon type 1, [Range]=max 6 digits,
 [Field]=PUNTI1, [Meaning]=number of points to attain threshold for coupon type 1, [Range]=max 3 digits,
 [Field]=VALORE2, [Meaning]=application threshold value for coupon type 2, [Range]=max 6 digits,
 [Field]=PUNTI2, [Meaning]=number of points to attain threshold for coupon type 2, [Range]=max 3 digits,
 [Field]=VALORE3, [Meaning]=application threshold value for coupon type 3, [Range]=max 6 digits,
 [Field]=PUNTI3, [Meaning]=number of points to attain threshold for coupon type 3, [Range]=max 3 digits,
 [Field]=VALORE4, [Meaning]=application threshold value for coupon type 4, [Range]=max 6 digits,
 [Field]=PUNTI4, [Meaning]=number of points to attain threshold for coupon type 4, [Range]=max 3 digits,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C53 --- CURRENCY PROGRAMMING HISTORY RECORD |C53:INDI:PG:NVALU:RAPPOC:NDECI:CURRDESCR:OPER:DOC| ACK if correctly received
NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NVALU, [Meaning]=currency number, [Range]=1 through 4,
 [Field]=RAPPOC, [Meaning]=exchange rate, [Range]=max 5 integers and 8 decimals,
 [Field]=NDECI, [Meaning]=number of decimal for the currency, [Range]=0 or 2,
 [Field]=CURRDESCR, [Meaning]=currency description, [Range]=max 8 characters,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C54 --- ICONS TEXT PROGRAMMING HISTORY RECORD [C54:INDI:PG:NTXT:NRIGA:TESTO:TXTCODICO:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NTXT, [Meaning]=text number,
 [Field]=NRIGA, [Meaning]=line number,
 [Field]=TESTO, [Meaning]=text to be printed,
 [Field]=TXTCODICO, [Meaning]=code of icon to be printed, [Range]=max 2 digits,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C55 --- HISTORY RECORD OF PROGRAMMING OF CASH-BOX OPERATIONS DESCRIPTIONS AND FLAGS [C55:INDI:PG:DESSTORNO:DESRESO:DESANNU:COFLAGS:DISPMSG:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=DESSTORNO, [Meaning]=description of past void,
 [Field]=DESRESO, [Meaning]=description of refund,
 [Field]=DESANNU, [Meaning]=description of void,
 [Field]=COFLAGS, [Meaning]=flags of cash-box operations,
 [Field]=DISPMSG, [Meaning]=courtesy message,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C56 2 HISTORY RECORD OF MULTIPLE FUNCTIONS PROGRAMMING [C56:INDI:PG:2:MFUNP:NFUNZ:CODFUNZ:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=2, [Meaning]=record type identifier,
 [Field]=MFUNP, [Meaning]=multiple function number, [Range]=1 to 250; 0=no function,
 [Field]=NFUNZ, [Meaning]=sequential number of the function associated to the multiple function,
 [Field]=CODFUNZ, [Meaning]=code of function associated to multiple function,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C58 --- HISTORY RECORD OF TICKET DENOMINATION MANAGEMENT PROGRAMMING [C58:INDI:PG:NUMCAU:NTAGLIO:TDPREZZO:OPER:DOC] ACK if correctly received
 NAK if not correctly received

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,

[Field]=NUMCAU, [Meaning]=number of the form of payment that corresponds to the type of ticket, [Range]=6 for TICKET 1 through 39 for TICKET 34,
 [Field]=NTAGLIO, [Meaning]=identification number of the ticket denomination, [Range]=1 through 15,

[Field]=TDPREZZO, [Meaning]=amount of the ticket denomination, [Range]=max 8 digits,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C59 ---	HISTORY RECORD OF CUSTOMERS' GROUPS DESCRIPTION PROGRAMMING	IC59:INDI:PG:NUMGRP:DESCRIZIONE:OPER:DOC|	ACK if correctly received NAK if not correctly received
---------	---	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NUMGRP, [Meaning]=number of the customers' group, [Range]=1 through 255,
 [Field]=DESCRIZIONE, [Meaning]=description of the customers' group,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C63 1	HISTORY RECORD OF CUSTOMER'S CHIP CARD DATA	IC63:INDI:PG:1:DIM:CODNEG:SCAD:TIP0:CODCLI:GRUPPO:CUSFLAGS:CCVALUE:OPER:DOC|	ACK if correctly received NAK if not correctly received
-------	---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=1, [Meaning]=record type identifier,
 [Field]=DIM, [Meaning]=dimensions of chip card memory: 2 = card model 1, 4 = card model 2 (see User's Manual),
 [Field]=CODNEG, [Meaning]=establishment (shop) code,
 [Field]=SCAD, [Meaning]=card expiry date, [Range]=6 digits, ddmmyy,
 [Field]=TIPO, [Meaning]=type of customer's chip card, [Range]=0 = none
 20 = identity card
 21 = pre-paid card
 22 = fidelity card
 23 = 'mixed' card,
 [Field]=CODCLI, [Meaning]=customer's code, [Range]=max 12 digits,
 [Field]=GRUPPO, [Meaning]=number of customers' group to which the customer belongs, [Range]=1 through 255,
 [Field]=CUSFLAGS, [Meaning]=customer's flags,
 [Field]=CCVALUE, [Meaning]=amount of money stored on the card,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C63 2	HISTORY RECORD OF CUSTOMER'S CHIP CARD DATA	IC63:INDI:PG:2:DESCR1:DESCR2:DESCR3:DESCR4:CF/PIVA:OPER:DOC|	ACK if correctly received NAK if not correctly received
-------	---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=2, [Meaning]=record type identifier,
 [Field]=DESCR1, [Meaning]=line no. 1 customer's description,
 [Field]=DESCR2, [Meaning]=line no. 2 customer's description,
 [Field]=DESCR3, [Meaning]=line no. 3 customer's description,
 [Field]=DESCR4, [Meaning]=line no. 4 customer's description,
 [Field]=CF/PIVA, [Meaning]=customer's tax code,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C63 3	HISTORY RECORD OF CUSTOMER'S CHIP CARD DATA	IC63:INDI:PG:3:BOLLINI1:BOLLINI2:BOLLINI3:BOLLINI4:SOGLIA1:SOGLIA2:SOGLIA3:SOGLIA4:ICO1:ICO2:ICO3:ICO4:OPER:DOC|	ACK if correctly received NAK if not correctly received
-------	---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=3, [Meaning]=record type identifier,
 [Field]=BOLLIN1, [Meaning]=points accrued for coupon type 1,
 [Field]=BOLLIN2, [Meaning]=points accrued for coupon type 2,
 [Field]=BOLLIN3, [Meaning]=points accrued for coupon type 3,
 [Field]=BOLLIN4, [Meaning]=points accrued for coupon type 4,
 [Field]=SOGLIA1, [Meaning]=points that are the threshold for the issue of a promotional voucher for coupon no. 1,
 [Field]=SOGLIA2, [Meaning]=points that are the threshold for the issue of a promotional voucher for coupon no. 2,
 [Field]=SOGLIA3, [Meaning]=points that are the threshold for the issue of a promotional voucher for coupon no. 3,
 [Field]=SOGLIA4, [Meaning]=points that are the threshold for the issue of a promotional voucher for coupon no. 4,
 [Field]=ICO1, [Meaning]=identification number of the icon associated to the promotional vouchers for coupon type 1,
 [Field]=ICO2, [Meaning]=identification number of the icon associated to the promotional vouchers for coupon type 2,
 [Field]=ICO3, [Meaning]=identification number of the icon associated to the promotional vouchers for coupon type 3,
 [Field]=ICO4, [Meaning]=identification number of the icon associated to the promotional vouchers for coupon type 4,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C63 4 HISTORY RECORD OF CUSTOMER'S CHIP CARD DATA

[C63:INDI:PG:4:CODFUNZ1:CODFUNZ2:CODFUNZ3:CODFUNZ4:CODFUNZ5:CODFUNZ6:CODFUNZ7:C ACK if correctly received
 ODFUNZ8:CODFUNZ9:CODFUNZ10:CODFUNZ11:CODFUNZ12:CODFUNZ13:CODFUNZ14:CODFUNZ15: NAK if not correctly received
 CODFUNZ16:CODFUNZ17:CODFUNZ18:CODFUNZ19:CODFUNZ20:CODFUNZ21:CODFUNZ22:CODFUNZ23:CODFUNZ24:CODFUNZ25:OPER:DOC]

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=4, [Meaning]=record type identifier,
 [Field]=CODFUNZ1, [Meaning]=function code no. 1 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ2, [Meaning]=function code no. 2 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ3, [Meaning]=function code no. 3 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ4, [Meaning]=function code no. 4 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ5, [Meaning]=function code no. 5 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ6, [Meaning]=function code no. 6 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ7, [Meaning]=function code no. 7 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ8, [Meaning]=function code no. 8 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ9, [Meaning]=function code no. 9 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ10, [Meaning]=function code no. 10 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ11, [Meaning]=function code no. 11 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ12, [Meaning]=function code no. 12 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ13, [Meaning]=function code no. 13 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ14, [Meaning]=function code no. 14 of the multiple function associated to the customer's card,

[Field]=CODFUNZ15, [Meaning]=function code no. 15 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ16, [Meaning]=function code no. 16 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ17, [Meaning]=function code no. 17 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ18, [Meaning]=function code no. 18 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ19, [Meaning]=function code no. 19 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ20, [Meaning]=function code no. 20 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ21, [Meaning]=function code no. 21 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ22, [Meaning]=function code no. 22 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ23, [Meaning]=function code no. 23 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ24, [Meaning]=function code no. 24 of the multiple function associated to the customer's card,
 [Field]=CODFUNZ25, [Meaning]=function code no. 25 of the multiple function associated to the customer's card,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C63	5	HISTORY RECORD OF CUSTOMER'S CHIP CARD DATA	[C63:INDI:PG:5:CCDATEHOUR:CCNR:CCSN:OPER:DOC]	ACK if correctly received NAK if not correctly received
-----	---	---	---	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=5, [Meaning]=record type identifier,
 [Field]=CCDATEHOUR, [Meaning]=field containing date and time when loading of prepaid customer's card was performed, [Range]=DDMMYYhhmm,
 [Field]=CCNR, [Meaning]=number of receipt issued at the end of loading of the prepaid customer's card,
 [Field]=CCSN, [Meaning]=serial number of the cash register on which loading of the prepaid customer's card was performed,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C65	---	CONNECTED DEVICES REPORT HISTORY RECORD	[C65:INDI:PG:SLOT:DEVICE:OPER:DOC]	ACK if correctly received NAK if not correctly received
-----	-----	---	------------------------------------	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=SLOT, [Meaning]=number of the connector,
 [Field]=DEVICE, [Meaning]=number of the device connected,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C68	---	HISTORY RECORD OF PLU PRICE/WHEITH	[C68:INDI:PG:NFORMATO:PARAMETRIFORMATO:OPER:DOC]	
-----	-----	------------------------------------	--	--

[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,
 [Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,
 [Field]=NFORMATO, [Meaning]=format of PLU with price by weight, [Range]=1 to 11,
 [Field]=PARAMETRIFORMATO, [Meaning]=flag format of PLU with price by weight,
 [Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,
 [Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,

C69 --- HISTORY RECORD OF DISCOUNT ON SUBTOTAL PROGRAMMING	[C69:INDI:PG:SOGLIASBT:NMODSBT:OPER:DOC]	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,</p> <p>[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,</p> <p>[Field]=SOGLIASBT, [Meaning]=amount required to apply discount on subtotal,</p> <p>[Field]=NMODSBT, [Meaning]=number of discount/additional charge mode linked to discount on subtotal, [Range]=1 through 20,</p> <p>[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,</p> <p>[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		
C70 --- HISTORY RECORD OF PROGRAMMING OF DISCOUNT/ADDITIONAL CHARGE TYPES LINKED TO MODIFIER KEYS	[C70:INDI:PG:NMOD1:NMOD2:NMOD3:NMOD4:NMOD5:NMOD6:OPER:DOC]	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,</p> <p>[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,</p> <p>[Field]=NMOD1, [Meaning]=number of discount/additional charge mode linked to the modifier key 1,</p> <p>[Field]=NMOD2, [Meaning]=number of discount/additional charge mode linked to the modifier key 2,</p> <p>[Field]=NMOD3, [Meaning]=number of discount/additional charge mode linked to the modifier key 3,</p> <p>[Field]=NMOD4, [Meaning]=number of discount/additional charge mode linked to the modifier key 4,</p> <p>[Field]=NMOD5, [Meaning]=number of discount/additional charge mode linked to the modifier key 5,</p> <p>[Field]=NMOD6, [Meaning]=number of discount/additional charge mode linked to the modifier key 6,</p> <p>[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,</p> <p>[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		
C78 --- HISTORY RECORD OF PLU/SPECIAL OFFER RECORD PARAMETERS PROGRAMMING	[C78:INDI:PG:PLUOFFLAGS:DIMCOD:DIMDESC:OPER:DOC]	ACK if correctly received NAK if not correctly received
<p>[Field]=INDI, [Meaning]=address of the latest record of the history file that was correctly memorized by host. The cash register will start sending the history file beginning from the next record. The value of INDI is transmitted to the host every time a history file record is sent., [Range]=4 bytes,</p> <p>[Field]=PG, [Meaning]=page of the latest history file record correctly memorized by the host. The cash register will start sending the history file from the next record. The value of PG is transmitted to the host every time a history file record is sent., [Range]=2 bytes,</p> <p>[Field]=PLUOFFLAGS, [Meaning]=PLU/special offer record configuration flags, [Range]=0-255,</p> <p>[Field]=DIMCOD, [Meaning]=number of characters of PLU/offer code,</p> <p>[Field]=DIMDESC, [Meaning]=number of characters of PLU/offer description,</p> <p>[Field]=OPER, [Meaning]=code of the active clerk, [Range]=01 through 99,</p> <p>[Field]=DOC, [Meaning]=type of document issued, [Range]=0=receipt, 1=invoice,</p>		

COMMAND	DESCRIPTION	STATUS	EXAMPLE	REPLY
\$	prints an alphanumeric string on journal and/or receipt		\$GOOD-BYE;	
=	prints an half height alphanumeric string on receipt		=GOOD-BYE;	
%	prints an half height alphanumeric string on journal and receipt		%GOOD-BYE;	
}	prints a double height alphanumeric string on receipt		}GOOD-BYE;	
{	prints a double height alphanumeric string on journal and receipt		{GOOD-BYE;	
]	prints an alphanumeric string on receipt		]GOOD-BYE;	
\$	prints an alphanumeric string on journal and receipt		\$GOOD-BYE;	
(	visualizes a message on customer's numerical display		(1234567890;	
)	visualizes a message on customer's alphanumeric display		)GOOD-BYE;	
/	changes date and time (DDMMYYhhmm, DD-day MM-month YY-year hh-hour mm-minutes)		/01011991200;	
@	changes history file transmission level (0,1,2)	-P-	@1;	
[	prints an alphanumeric string on remote printer		[GOOD-BYE;	
~	visualizes message on remote display's upper line		~GOOD-BYE;	
<	visualizes message on alphanumeric operator's display		<GOOD-BYE;	
>	visualizes message on numeric operator's display		>1234567890;	
:	separator		:	
!	prints a compressed line on journal and receipt		!GOOD-BYE;	
=	transmission of tax code		=1234567890;	
-	alphanumeric PLU programming		-ABFGSFGSG;	
.	clerk's enabling		.11111	
?	sale line description		?BREAD;	
"	Print Bar Code		;"a102215123456789012;"3;	
^A	connected devices report	-L-	*2;^A;*3;	C65
^a	connected devices programming	-P-	*2;^a;*3;	B65
^b	programming of coins for automatic change dispenser	-P-	*2;^b;*3;	
^D	report of subtotal fidelity	-P-	*2;^D;*3;	C64
^d	subtotal fidelity programming	-P-	*2;^d;*3;	
^E	report of departments fidelity	-P-	*2;^E1:250;*3;	C67
^e	departments fidelity programming	-P-	*2;^e;*3;	B67
^F	report of customer circularity	-P-	*2;^F;*3;	C71
^f	customer circularity programming	-P-	*2;^f;*3;	B63
^G	PLU price - weigh table code programming	-P-	*2;^G;*3;	C68
^g	report PLU price - weigh table code	-P-	*2;^g;*3;	B68
^H	EJ status request		*2;^H;*3;	D03
^I	Read EJ contents	-L-	*2;^I180309:1:10;*3;	C73
^i	"Print group description" programming	-P-	*2;^i;*3;	B62
^L	Read "print group description" programming	-P-	*2;^L;*3;	C62
#1	sale receipt opening	-R-	*2;#1;*3;	
#3	receipt opening/closing	-R-	*2;#3;*3;	
#4	cinema ticket opening/closing	-R-	*2;#3;*3;	
#A	immediate transmission of Hello message		*2;#A;*3;	
#a	header enable	-P-	*2;#a;*3;	
#B	alarm condition (in registration mode only)	-R-	*2;#B;*3;	
#b	clerks' management enable	-P-	*2;#b;*3;	
#C	erasure of PLU/offer archive	-P-	*2;#C;*3;	
#c	clerks' management disable	-P-	*2;#c;*3;	
#D	zero setting of customers' totalizers	-C-	*2;#D;*3;	
#d	erasure of ticket data number thru number	-P-	*2;#d6:10;*3;	
#E	zero setting of payment form in period totalizers	-C-	*2;#E;*3;	
#e	balancing of PLU/Offer archive	-P-	*2;#e;*3;	
#F	erasure of customers' groups number thru number	-P-	*2;#F1:255;*3;	
#G	zero setting of PLU/Offer in period totalizers	-C-	*2;#G;*3;	
#H	automatic transmission of history file		*2;#H;*3;	
#I	zero setting of totalizers of departments in period	-C-	*2;#I;*3;	
#i	zero setting of history file	-P-	*2;#i;*3;	
#J	zero setting of totalizers of VAT in period	-C-	*2;#J;*3;	
#K	zero setting of time data	-C-	*2;#K;*3;	
#L	erasure of PLU/offers from code ... to code...	-P-	*2;#L1:9999999999999999;*3;	
#l	erasure of multiple functions from number ... to number ...	-P-	*2;#l1:250;*3;	
#M	erasure of customers' archive	-P-	*2;#M;*3;	
#N	erasure of customers from code ... to code ...	-P-	*2;#N1:9999999999999999;*3;	
#P	re-alignment of history file pointers		*2;#P;*3;	
#q	erasure of customers' groups data/customers number thru number	-C-	*2;#q1:255:1:9999999999999999;*3;	
#S	keyboard simulation		*2;#S1:1;*3; (changes status)	
#u	icon programming	-P-	*2;#u0;*3;	B99 (at transmission end)
#X	zero setting of waiters' totalizers	-C-	*2;#X;*3;	
#x	zero setting of active clerk	-C-	*2;#x;*3;	
#Y	Cancel Operator DB	-P-	*2;#Y;*3;	
#y	erasure of receipt header icon	-P-	*2;#y;*3;	
#Z	carries out daily zerosetting	-C-	*2;#Z;*3;	
#z	PLU archive programming	-P-	*2;#z;*3;	
&a	transmission of ticket denomination management programming	-P-	*2;#a;*3;	C58
&b	transmission of customers' groups description programming	-P-	*2;#b;*3;	C59
&c	transmission of customer's chip card data	-P-	*2;#c;*3;	C63
&f	transmission of promotional discount on subtotal	-P-	*2;#f;*3;	C69
&H	transmission of multiple functions programming	-P-	*2;#H1:250;*3;	C56
&I	transmission of customers' programming	-P-	*2;#I1:9999999999999999;*3;	C16
&i	transmission of periodic icons programming	-P-	*2;#i;*3;	C50
&K	transmission of waiters' programming	-P-	*2;#K;*3;	C15
&k	transmission of keyboard programming	-P-	*2;#k;*3;	C20
&L	transmission of departments programming	-P-	*2;#L1:250;*3;	C07
&l	transmission of direct PLUs programming	-P-	*2;#l;*3;	C23

&O	transmission of receipt header/footer programming	-P-	*2;&O;*3;	C10
&o	transmission of clerks' and waiters' enable programming	-P-	*2;&o;*3;	C25
&P	transmission of payment form programming	-P-	*2;&P;*3;	C11
&p	transmission of department groups descriptions programming	-P-	*2;&p;*3;	C51
&Q	transmission of cash-box programming	-P-	*2;&Q;*3;	C12
&q	transmission of remote printer parameters programming	-P-	*2;&q;*3;	C26
&R	transmission of discount/additional charge type programming	-P-	*2;&R;*3;	C13
&r	transmission of coupon programming	-P-	*2;&r;*3;	C52
&S	transmission of programming of cash-box operations descriptions and flags	-P-	*2;&S;*3;	C55
&s	transmission of currency programming	-P-	*2;&s;*3;	C53
&T	transmission of discount/additional charge modes linked to modifier keys	-P-	*2;&T;*3;	C70
&t	transmission of receipt flags programming	-P-	*2;&t;*3;	C27
&u	transmission of generic programmings	-P-	*2;&u;*3;	C28
&v	transmission of chip card management programming	-P-	*2;&v;*3;	C29
&W	transmission of VAT table programming	-P-	*2;&W;*3;	C14
&Z	transmission of icons text programming	-P-	*2;&Z;*3;	C54
&z	transmission of programming of PLU/special offer record parameters	-P-	*2;&z;*3;	C78
*0	end command cycle executed by simplified protocol		*0;	
*1	cash register lock at completion of interactivity in progress		*1;	
*2	cash register lock at completion of operation in progress		*2;	
*3	end cash register lock		*3;	
*4	abort		*4;	
*5	temporary disabling of receipt cutting		*5;	
*6	cut receipt (active only when receipt is closed)		*6;	
*7	Disable cash drawer opened (in the next receipt)		*7;	
*8	Enable Operator		*2;*8#;*3; (# = op.num. 1 to 20)	
*A	departments report	-L-	*2;*A;*3;	C02
*a	ticket denomination management programming	-P-	*2;*a;*3;	B58
*B	report of PLUs used on day	-L-	*2;*B1.9999999999999999;*3;	C04
*b	ticket form of payments report	-L-	*2;*b;*3;	C34
*C	clerks' report	-L-	*2;*C;*3;	C05
*c	EJ info	-L-	*2;*c;*3;	D02
*D	waiters' report	-L-	*2;*D;*3;	C06
*E	VAT report	-L-	*2;*E;*3;	C03
*e	information about pending receipt or last issued receipt		*2;*e;*3;	D01
*F	department programming	-P-	*2;*F;*3;	B80
*f	financial report	-L-	*2;*f;*3;	C22
*G	PLU programming	-P-	*2;*G;*3;	B81
*g	coupon report	-L-	*2;*g;*3;	C32
*H	clerks' programming	-P-	*2;*H;*3;	B83
*h	hourly activity report	-L-	*2;*h;*3;	C21
*I	VAT table programming	-P-	*2;*I;*3;	B89
*i	direct PLUs programming	-P-	*2;*i;*3;	B71
*J	waiters' programming	-P-	*2;*J;*3;	B82
*K	report of PLUs in period	-L-	*2;*K1.9999999999999999;*3;	C04
*L	special offers programming	-P-	*2;*L;*3;	B84
*I	multiple functions programming	-P-	*2;*I;*3;	B56
*M	customers' programming	-P-	*2;*M;*3;	B70
*m	programming of discount/additional charge modes linked to modifier keys	-P-	*2;*m;*3;	B57
*N	periodic icons programming	-P-	*2;*N;*3;	B50
*n	connectability programming	-P-	*2;*n;*3;	B72
*O	department groups description programming	-P-	*2;*O;*3;	B51
*o	customers' groups description programming	-P-	*2;*o;*3;	B59
*P	currency programming	-P-	*2;*P;*3;	B53
*p	clerks' and waiters' enable programming	-P-	*2;*p;*3;	B73
*Q	coupon programming	-P-	*2;*Q;*3;	B52
*q	customers' groups/customers report	-L-	*2;*q1.255:1.9999999999999999;*3;	C35
*R	customers' report	-L-	*2;*R;*3;	C30
*r	remote printer parameters programming	-P-	*2;*r;*3;	B74
*S	report of customers sales summaries	-L-	*2;*S;*3;	C31
*s	receipt flags programming	-P-	*2;*s;*3;	B75
*T	receipt header/footer programming	-P-	*2;*T;*3;	B85
*t	generic programmings	-P-	*2;*t;*3;	B76
*U	payment form programming	-P-	*2;*U;*3;	B86
*u	open tables/bills report	-L-	*2;*u;*3;	C33
*V	cash-box operations programming	-P-	*2;*V;*3;	B87
*v	chip card management programming	-P-	*2;*v;*3;	B77
*w	currency totalizers report	-L-	*2;*w;*3;	C19
*W	programming of promotional discount on subtotal	-P-	*2;*W;*3;	B69
*X	programming of cash-box operation descriptions and flags	-P-	*2;*X;*3;	B55
*Y	programming of discount/additional charge modes	-P-	*2;*Y;*3;	B88
*y	keyboard programming	-P-	*2;*y;*3;	B79
*Z	icons text programming	-P-	*2;*Z;*3;	B54
+0	cash register idle mode		+0;	
+1	registering mode		+1;	
+2	L-mode		+2;	
+3	C-mode		+3;	
+4	P-mode		+4;	
+5	R-mode in	-R-	+5;	
+6	R-mode out	-R-	+6;	

COMMAND	DESCRIPTION	STATUS	EXAMPLE	REPLY
!	Fiscal receipt opened	Remote	%S!	ACK/NAK
#	Cancel Key	Remote	%S##	ACK/NAK
\$---\$	Alfanumerics description		%S\$HelloWord\$	
%	information about pending receipt or last issued receipt		%S%	
&	Open Cash Drawer		%S&	
(	Non Fiscal receipt Opened/closed		%S[
@	Price		%S300@	
a	prints an alphanumeric string on journal and/or receipt		%S\$HelloWord\$a	
b	prints an half height alphanumeric string on journal and receipt		%S\$HelloWord\$b	
c	prints an alphanumeric string on slip printer		%S\$HelloWord\$c	
d	prints an alphanumeric string on receipt		%S\$HelloWord\$d	
g	print bar code		%S102215\$123456789012\$g	
A	Void		%SA	
B	Refound on fiscal ticket		%SB	
C	Form of payment		%SC	
E	Customer		%SE	
F	Multiply function		%SF	
G	Credit recupermet		%SG	
H	Form feed receipt		%SH	
I	TAX code		%S\$ABCDEFGHI	
K	Receipt Void		%SK	
L	Select price List		%SL	
M	Discount/add on		%SM	
N	Select Waiter		%SN	
O	Select Clerck		%S\$99999\$O	
P	Alfanumeric PLU		%S\$ABCDEFGHI\$P	
P	Numeric PLU		%S123P	
Q	SubTotal		%SQ	
R	Sell on departement		%S12R	
S	Past Void		%SS	
T	Open table		%S0101T	
T	Close table		%S0T	
U	Open refund receipt cuopon		%SU	
V				
W	Table summary		%S0101TW	
X	Multiply		%SX	
Y	Cash In		%SY	
Z	Cash Out		%SZ	
f	print bar code		%S123456789012f	
>	open italian fiscal Refuond receipt (Alfanumeric)		%S\$AAAA\$>	
>	open italian fiscal Refuond receipt (Numeric)		%S1>	
[	Invoice on slip printer		%S[
\	Receipt on slip printer		%S\	
]	Invoice resume on slip printer		%S]	
^	EJ informations		%S^	