



Execu/Tech PMS to Micros POS Interface Specifications

As of November 6, 1996

Communications Channel Characteristics:

Transmission Mode: RS232C asynchronous, serial binary, full duplex.
Baud Rate: 300, 1200, 2400, 9600.
Character Format: 7 or 8 data bits; even, odd, or no parity; 1 start bit; 1 or 2 stop bits.

MICROS POS Record Options:

Account ID Information	(option of 16 or 19 characters)	Must be 16 characters.
Number of Covers	(option of 4 or 5 characters)	Must be 4 characters.
Number of digits after decimal	(option of 0,1,2, or 3)	Must be 2 digits.
Guest Check Totals	(option of Non-Prorated or Prorated)	Must be Prorated.

Setting Operation of Execu/Tech Micros Interface

The file "GAMICROS.FIL" in the HOTEL application directory controls several aspects of the interface operation. Only the first line in this ASCII file has any meaning. If this file is changed, the interface must be restarted for the changes to take effect. The parameters are formatted as follows:

Column	Parameter	Value	Description
1-2	Hotel Company	<N/A>	Hotel company is set in MICROS Default Record.
3	Room Length	3 or 4	Set to length of HOTEL room numbers.
4	Test Flag	blank	Set to blank for live operation. When set to "T", interface NAKs every POS message for communication testing purposes.
5-18	Output Device	port name	PMS interface port (eg., /dev/ttya14).
19	Cash Guest Flag	Y or N	Set to "N" to reject room charges from guests or master folios having "CA" as their folio payment code.
20	Zero Credit Limit Flag	Y or N	Set to "N" to reject room charges from guests or master folios having a zero credit limit, even if folio has credit balance. Note: Folios having a negative credit limit are ALWAYS rejected.
21-23	Record Length Flag	<N/A>	Records lengths are predefined by POS and are framed by <SOH> and <EOT> characters.
24	Revenue Center Flag	blank, P	Set to blank to get revenue center from revenue center field. Set to "P" to get revenue center from period field. Note: Interface does not use a combination of these fields.

Setting up POS to PMS interface codes:

MICROS Interface Administrator Program

To access MICROS Interface Administrator program, type "88" at HOTEL Master Menu and press <Enter> key. Enter program name "GAMICROC" and press <Enter> key. If asked for a printer selection, choose one and press <Enter> key. (Note: At this time, no print options are available in the MICROS administrator.) The following screen will be displayed:

```
HOTEL (tm) by Execu/Tech                HOTEL BILL'S MACHINE
8:42 pm, Monday, September 8, 1997

DAY
(01)

      +- ADMINISTRATOR - MICROS INTERFACE ---+
      a
      a 1> MICROS Defaults                    a
      a 2 Revenue Centers                    a
      a 3 Payment Types                      a
      a
      +-----+

Up/dn arrow, or type number to select.  <Esc> to exit
```

MICROS Defaults

To set up MICROS defaults, choose option 1 on the MICROS Interface Administrator program menu. This is a **required** record. This record determines the HOTEL company to which the MICROS interface will post any transactions sent by the POS system. In the event that a charge is posted to an invalid (not set up) revenue center, the MICROS interface will use the default codes and descriptions for posting room/account charges.

```
HOTEL (tm) by Execu/Tech                HOTEL BILL'S MACHINE
+----- MICRO DEFAULTS SET-UP -----+
a
a 1 HOTEL Default description..: Food and Beverage      a
a
a 2 HOTEL Guest charge code....: (must be filled in)   a
a 3 HOTEL Guest tip code.....: (if blank, included in guest charge) a
a 4 HOTEL Guest tax code.....: (if blank, included in guest charge) a
a 5 HOTEL Guest discount code..: (if blank, included in guest charge) a
a
a 6 HOTEL Company number.....: 01                       a
a
a
a
a
+----- <Esc> exit without saving -----+
```

Fields 1, 2, and 6 must be filled in. Fields 3, 4, and 5 allow tips, tax, and discount amounts to be segregated and posted individually in room and account folios.

POS account id entry conventions used by Execu/Tech interface:

Numeric	Room Number
Non-numeric, first character not "/"	Guest Name Lookup
First character "/", rest numeric	Acct Number (HOTEL master folio)
First character "/", rest non-numeric	Acct Name Lookup (HOTEL master folio)
First character ".", next character not "/" or blank	A/R Account Number
First character ".", next character "/" or blank	A/R Name Lookup

Messages Returned to Micros from Execu/Tech:

NO CONTROL FILE The Execu/Tech PMS to Micros interface control file does not exist or is not accessible to the interface program.

Solution: Access the MICROS Interface Administrator program from HOTEL and set up "MICROS Defaults", "Revenue Centers", and "Payment Types". If error message persists, check file permissions on "GAMICROC.FIL" in HOTEL application directory (usually "/u/execdata").

BAD CONTROL REC The "MICROS Defaults" record has not been set up.

Solution: Access the MICROS Interface Administrator program from HOTEL and set up "MICROS Defaults".

CALL NT AUDITOR The HOTEL system night audit flag is set. This means that the night audit is in progress and is somewhere between the backup and the final reorganize step.

Solution: Wait for the HOTEL reorganize to finish, then repost the ticket. If the night audit has already finished and this message appears, either the audit did not complete properly or a backup was run after the audit was finished. If a backup is the cause, have a hotel manager go to the parameter record in "Room/Charge/Payment Code Setup" in the HOTEL Manager Menu and change the "Call Accounting" answer from a "Z" to an "X". If the audit did not complete properly, determine the cause and correct.

CANNOT LOOKUP Name lookup attempted on posting request. Name lookups only available on inquiries.

Solution: If lookup is necessary, you must do an inquiry to get the room number, folio number, or A/R account number. Use result of lookup to post (close) a ticket.

INV PMT: xxx The POS system is passing payment code xxx to the PMS that has not been set up in MICROS interface payment types.

Solution: Access the MICROS Interface Administrator program from HOTEL and set up the payment type xxx in "Payment Types". Or close ticket to another payment key.

INVAL AR TENDER Attempt to post A/R account with payment type marked for use as room charge or master folio charge payment code.

Solution: Close ticket to another payment key.

INVALID ROOM Attempt to close ticket to a room number that does not exist in HOTEL system.

Solution: Enter correct room number or close ticket to another payment key.

INVALID FOLIO	Attempt to close ticket to master folio that does not exist in HOTEL system.
Solution:	Enter correct master folio number or close ticket to another payment key.
INVALID AR ACCT	Attempt to close ticket to A/R account that does not exist.
Solution:	Enter correct A/R account code or close ticket to another payment key.
INACTIV AR ACCT	Attempt to close ticket to A/R account that has been marked inactive.
Solution:	Enter another A/R account code or close ticket to another payment key.
NOT OCCUPIED	Attempt to close ticket to room that is not occupied.
Solution:	Enter another room number or close ticket to another payment key.
CREDIT DENIED	If ticket being closed to a room, then all guests in room are over their credit limits. Also possible that guests are cash guests if interface is set to refuse cash guests or have a zero credit limit if interface is set to refuse zero credit limit guests.
Solution:	Close ticket to another payment key or, if applicable, have a manager either raise the guest's credit limit or make the guest a non-cash guest and then repost the ticket..
POSTED: name/acct	Ticket has been posted to HOTEL PMS system. No further action is necessary.
TENDER MISMATCH	Attempt to post a non-A/R account ID code to a A/R payment code.
Solution:	Either correct account ID to reflect A/R code or post to another payment key.