Technical Specifications

Heartbeat Application for Online Authorization Connections
Revision 1.3

CHASE Paymentech

The following updates, additions, corrections, have been incorporated in Heartbeat Application for Online Authorization Connections Revision 1.3.

Page No(s)	Action	Description of Change
1	Correction	Include (minimum required Revision 3.0) in first paragraph.
2	Addition	Added ↵ to example and ↵ = Carriage Return note

Process Overview	Chase Paymentech has implemented a Heartbeat application that all merchants processing Online Authorizations to our Stratus machines, using one of the many Chase Paymentech proprietary online Online formats (minimum required Revision 3.0), can take advantage of. The Heartbeat process will be used to ensure "application to application" connectivity between Chase Paymentech and the merchant.

Chase Paymentech will initiate a Heartbeat message upon a successful merchant connection. The Heartbeat message will be sent every 120 seconds. The merchant's application will send a response to Chase Paymentech's request message. If Chase Paymentech does not receive a response within 120 seconds of sending the request message, or the response is incorrect, the Chase Paymentech application will reset the connection to a listen state. Since Chase Paymentech is the "server", the merchant's application will see a socket disconnect and should recover accordingly.

The Heartbeat application will use a sequence number and Greenwich Mean Time (GMT) within the messages. GMT is supported on all computer systems.

The following is the specification for the Chase Paymentech initiated request, and the Merchant's response to the request.

Heartbeat Request (PTI initiated)

```
          1         2
12345678901234567890
AAANNNNNNNNNNNNNNNNA
HO11234567825080500↵
```

Position	Length	Data Type	Field Name	Comments
1,2	2	A	Record Type	"HO" Constant (letters H and O)
3	1	A	Format Constant	"1" Constant
4,11	8	N	Sequence Number	Assigned by Chase Paymentech
12,19	8	N	Current GMT Time	DDHHMMSS Format (GMT)

↵ = Carriage Return – each Heartbeat request will end with a carriage return (HEX OD)

Heartbeat Response (Merchant initiated)

```
          1         2
12345678901234567890
AAANNNNNNNNNNNNNNNNA
HI11234567825080505↵
```

Position	Length	Data Type	Field Name	Comments
1,2	2	A	Record Type	"HI" Constant (letters H and I)
3	1	A	Format Constant	"1" Constant
4,11	8	N	Sequence Number	Chase Paymentech assigned number ***Return Unchanged from the request message***
12,19	8	N	Current GMT Time	DDHHMMSS Format (GMT)

↵ = Carriage Return – each Heartbeat response must end with a carriage return (HEX OD)