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<td>1/10/2008</td>
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<td>Data delimiter for Manual Authentication changed from ‘+’ to ‘&amp;’ due to natural occurrence of ‘+’ in the time-zone field</td>
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<td>2.0</td>
<td>6/14/2011</td>
<td>Updated casino name on pictures</td>
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<td>Corrected orientation on Manual Authentication bar code.</td>
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1 Introduction

1.1 Scope
This document describes IGT’s recommended layout for vouchers (also called tickets) and handpay receipts generated by an EGM.

1.2 Protocols
The two primary protocols used by EGMs for communicating with Ticket In/Ticket Out systems are SAS and G2S. While the designs presented here may be applicable to other protocols, this document focuses specifically on SAS and G2S.

1.3 Design specifications
Figure 1 details the voucher size and barcode location. All dimensions are specified in millimeters.

IGT standard vouchers are the same size as US currency.
The paper should be 0.1 mm thick, with a density equivalent to 20 pound paper.

The barcode format is 18 digit interleaved 2 of 5. The barcode should be centered horizontally and vertically. If off-center vertically, the barcode must be tall enough to fill the center 10 mm area.

Jackpot handpay receipts and cancelled credit handpay receipts are the same size as vouchers. The barcode should be offset vertically so that no portion is within the center 10 mm area.

Figure 1 – Voucher Size and Barcode Location
1.4 Cashable Vouchers

A cashable voucher is any voucher printed by an EGM that can be redeemed for cash. G2S supports printing both regular cashable and promotional cashable vouchers. SAS only supports printing regular cashable vouchers. Figure 2 shows an example of a regular cashable voucher. See Section 1.7 for a description of each element.

![Figure 2 - Sample Cashable Voucher](image)

The title may vary based on the type of voucher. For example, standard cashable tickets made have a title of CASHOUT VOUCHER or CASHOUT TICKET. A G2S voucher printed following a jackpot lockup that was钥匙 off to a voucher should be labeled JACKPOT VOUCHER or JACKPOT TICKET.

Note that a jackpot voucher is not the same as a handpay receipt printed following a lockup that was keyed off as a handpay. While a jackpot voucher may have redemption limitations imposed by the system, such as only redeemable at a cashier station, it is typically given to the patron instead of an attendant pay. A handpay receipt is printed following an attendant pay, and is typically retained by the attendant. See Section 1.6 for more details on handpay receipts.

The manual authentication ID and manual authentication barcode are only included on a cashable voucher if a manual authentication ID is provided by the system. G2S supports manual authentication, SAS does not.

1.5 Non-Cashable Vouchers

A non-cashable voucher is any voucher printed by an EGM that cannot be redeemed for cash, and can only be redeemed for credits that must be played on an EGM. SAS and G2S both support non-cashable vouchers. Figure 3 shows an example of a non-cashable voucher. See Section 1.7 for a description of each element.

The title should clearly indicate that the voucher is not redeemable for cash, and “No Cash Value” should be printed on the voucher below the amount in words. G2S requires that a manual authentication ID not be included on non-cashable vouchers.

The title typically used for a non-cashable voucher is PLAYABLE ONLY.
1.6 Handpay Receipts

A handpay receipt is an instrument typically printed after an attendant pay is complete, and is typically retained by the attendant. The title should include the word “receipt,” the words “No Cash Value” should be printed below the amount in words, and the barcode should be offset to prevent any possibility of redemption at an EGM or kiosk. Figure 4 shows an example of a jackpot handpay receipt. See Section 1.7 for a description of each element.

The title typically used for a receipt printed following a jackpot handpay is JACKPOT RECEIPT.

The title typically used for a receipt printed following a cancelled credit handpay is HANDPAY RECEIPT.
1.7 Element Details

1 Establishment Name
   Font size 4 (see font table)
   Text set by system or operator

2 Address 1
   Font size 6 (see font table)
   Text set by system or operator

3 Address 2
   Font size 6 (see font table)
   Text set by system or operator

4 Title
   Font size 2 (see font table)
   Text showing type of voucher or receipt

5 Validation Number Barcode
   Interleaved 2 of 5 format barcode representing the 18 digit validation number

6 Validation Number
   Font size 6 (see font table)
   "VALIDATION" followed by the 18 digit validation number (grouped as xx-xxxx-xxxx-xxxx)

7 Voucher Date/Time
   Font size 6 (see font table)
   Date and time the voucher was printed, as MM/DD/YYYY HH:MM:SS 24 hour format
   Note: Date and time may be reformatted to meet local convention.

8 Voucher Number
   Font size 6 (see font table)
   Text "VOUCHER #" or "TICKET #" followed by sequential voucher number

9 Amount In Words
   Font size 7 (see font table)
   Cashout or handpay amount in words
Amount Type
Font size 7 (see font table)
Text "*** NO CASH VALUE ***" for restricted vouchers and receipts

Amount
Font size 3 (see font table)
Cash out or hand pay amount as numerical value, with currency sign

Expiration
Font size 7 (see font table)
Text “VOID AFTER nn DAYS” or “VOID AFTER mm/dd/yyyy”
SAS restricted vouchers may also include a Restricted Pool ID, formatted as “(ID=nnnn)” (G2S does not support pool ID)

Machine ID
Font size 7 (see font table)
Text "ASSET#" followed by operator assigned asset number, or text "MACHINE#" followed by other unique identification of device that printed the voucher

Validation Number
Font size 6 (see font table)
The 18 digit validation number printed sideways on the leading edge of the voucher

Manual Authentication ID
Font size 7 (see font table)
The 32 character manual authentication ID provided by the system printed sideways on the leading edge of the voucher, grouped as xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx-xxxx

Manual Authentication Barcode
PDF 417 format 2-D barcode representing the following information:

- Manual authentication ID (32 characters, from field 15, no dashes)
- Validation number (18 digit, from field 14, no dashes)
- Voucher amount, with no currency sign or other punctuation (20 digits max, from field 11)
- Machine ID (10 digits max, from field 13)
- Voucher number (5 digits max, from field 8)
- Date/time in UTC format as sent to system (29 characters max)

The data in the barcode consists of a string containing the data listed above, with an ampersand ("&") separating each data element. For example, the manual authentication barcode on the sample cashable voucher (see Figure 2) would contain the following string:

F72313F52751E7315B5649B708957CCD&001553049347404912&12395&777&10&05/24/2005T01:08:18.000-07:00
## 1.8 Voucher Font Table

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