Auto-Graphics
SIP2 Messages Supported by SIP2 Service

The server name is _____

- ☐   Port number: **6201**
- ☐   We are expecting a socket connection
- ☐   You need to initiate login with a 93 with the
  username   _____
  password   _____
  libid:location   _____**:**_____
- ☐   We'll respond with a 94 and then normal transactions can begin
- ☐   Institution id is _____

*Connection will be disconnected when it has been idle for more than 60 minutes

Message 93 sample:
9300CN**username**|CO**password**|CP**libid:location**|AY3AZEEAF

Here are some users:

Institution ID	Patron Identifier	Patron Password

Request	AGSIP2 Responses
11 – CheckOut	12 – Checkout Response
17 – Item Information	18 – Item Information Response
23 – Patron Status	24 – Patron Status
63 – Patron Information	64 – Patron Information
99 – System Check	98 – Status w/ current date/time
97 – Resend Data	Resends Last response
	96 – Please Resend last request

Message 23/63: Patron Status/Information
Require: institution id, patron identifier, patron password

institution id	AO	variable-length required field
patron identifier	AA	variable-length required field (barcode)
patron password	AD	variable-length required field

24 - Patron Status Response

patron status		14-char, fixed-length required field
language		3-char, fixed-length required field
transaction date		18-char, fixed-length required field
institution id	AO	variable-length required field
patron identifier	AA	variable-length required field
personal name	AE	variable-length required field
valid patron	BL	1-char, optional field: Y or N
valid patron password	CQ	1-char, optional field: Y or N
currency type	BH	3-char fixed-length optional field 3/21/07 – not to output "USD" because some customers are in Canada
fee amount	BV	variable-length optional field. The amount of fees owed by this patron
screen message	AF	variable-length optional field
print line	AG	variable-length optional field

Note: ▮ supported by AG

64 - Patron Information Response

AG has defined new field "|UC" – Patron has permission to use the computer

patron status		14-char, fixed-length required field
language		3-char, fixed-length required field
transaction date		18-char, fixed-length required field
hold items count		4-char, fixed-length required field
overdue items count		4-char, fixed-length required field
charged items count		4-char, fixed-length required field
fine items count		4-char, fixed-length required field **(output 4 spaces)**
recall items count		4-char, fixed-length required field **(output 4 spaces)**
unavailable holds		4-char, fixed-length required field
institution id	AO	variable-length required field
patron identifier	AA	variable-length required field
personal name	AE	variable-length required field
hold items limit	BZ	4-char, fixed-length optional field
overdue items limit	CA	4-char, fixed-length optional field
charged items limit	CB	4-char, fixed-length optional field
valid patron	BL	1-char, optional field: Y or N
valid patron	CQ	1-char, optional field: Y or N

password		
currency type	BH	3-char fixed-length optional field 3/21/07 – not to output "USD" because some customers are in Canada
fee amount	BV	variable-length optional field. The amount of fees owed by this patron
fee limit	CC	variable-length optional field. The fee limit amount item: zero or more instances of one of the following, based on "summary" field of the Patron Information message
hold items	AS	variable-length optional field (this field should be sent for each hold item).
charged items	AU	variable-length optional field (this field should be sent for each charged item).
home address	BD	variable-length optional field
e-mail address	BE	variable-length optional field
home phone number	BF	variable-length optional field
screen message	AF	variable-length optional field
print line	AG	variable-length optional field
Computer Use	UC	1-char, optional field: optional field: A, C, J, Y, or N (Patron allows to use computer) Output |UC when the database has defined "Computer Use" option

Patron Profile – available upon requested

Patron expiration date	PA	variable-length option field (No |PA when no expiration date has been defined) |PAYYYYMMDD or |PAMM/DD/YYYY
Patron profile/category	PC	variable-length optional field (patron category)
Date of birth	PB	variable-length optional field |PBMM/DD/YYYY

Note: ▊ supported by AG

11 Checkout
This message is used by the SC to request to check out an item, and also to cancel a Checkin request that did not successfully complete. The ACS must respond to this command with a Checkout Response message.

SC renewal policy		1-char, fixed-length required field: Y or N. Y – SC has been configured by the library staff to do renewals

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		AG support "Y"
no block		1-char, fixed-length required field: Y or N. **AG does not support "Y"**
transaction date		18-char, fixed-length required field: YYYYMMDDZZZZHHMMSS
nb due date		18-char, fixed-length required field: YYYYMMDDZZZZHHMMSS
institution id	AO	variable-length required field **(library id)**
patron identifier	AA	variable-length required field **(patron barcode)**
item identifier	AB	variable-length required field **(item barcode)**
terminal password	AC	variable-length required field **blank**
item properties	CH	variable-length optional field **AG-ignore**
patron password	AD	variable-length optional field **AG-does not require password**
fee acknowledged	BO	1-char, optional field: Y or N **N** = if there is a fee associated with checking out the item, the ACS should tell the SC in the Checkout Response that there is a fee, and refuse to check out the item
cancel	BI	1-char, optional field: Y or N (**Not supported – returned Checkout OK= 0)**

Note:　　□ supported by AG

12 Checkout Response
This message must be sent by the ACS in response to a Checkout message from the SC.

ok		1-char, fixed-length required field: 0 or 1. **1** = the ACS checked out the item to the patron **O** = the ACS did not check out the item to the patron
renewal ok		1-char, fixed-length required field: Y or N. **Y** = the patron requesting to check out the item already has the item checked out **N** = the item is not already checked out to the requesting patron
magnetic media		1-char, fixed-length required field: Y or N or U. **Y** = magnetic media
desensitize		1-char, fixed-length required field: Y or N or U. **Y** = SC should desensitize the article
transaction date		18-char, fixed-length required field:

		YYYYMMDDZZZZHHMMSS
institution id	AO	variable-length required field
patron identifier	AA	variable-length required field
item identifier	AB	variable-length required field
title identifier	AJ	variable-length required field **(up to 80 characters)**
due date	AH	variable-length required field **Format: MM/DD/YYYY 2:10 pm**
fee type	BT	2-char, fixed-length optional field (01 thru 99) **AG – return 06 → rental** when fee amount is not equal to zero
security inhibit	CI	1-char, fixed-length optional field: Y or N. **Y** - notify the SC to ignore the security status of the item.
currency type	BH	3-char fixed-length optional field
fee amount	BV	variable-length optional field. The amount of the fee associated with checking out this item **0.00** if there is no fee associated with checking out the item
media type	CK	-char, fixed-length optional field
item properties	CH	variable-length optional field
transaction id	BK	variable-length optional field
screen message	AF	variable-length optional field
print line	AG	variable-length optional field

Note:　▮ supported by AG

17 Item Information

This message may be used to request item information. The ACS should respond with the Item
Information Response message.

transaction date		18-char, fixed-length required field: YYYYMMDDZZZZHHMMSS
institution id	AO	variable-length required field **(library id)**
item identifier	AB	variable-length required field **(item barcode)**
terminal password	AC	variable-length required field **blank**

Note:　▮ supported by AG

18 Item Information Reponse

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This message may be used to request item information. The ACS should respond with the Item
Information Response message.

circulation status		2-char, fixed-length required field (00 thru 99)
security marker		2-char, fixed-length required field (00 thru 99) **(01)**
fee type		2-char, fixed-length required field (01 thru 99). The type of fee associated with checking out this item **(00)**
transaction date		18-char, fixed-length required field: YYYYMMDDZZZZHHMMSS
hold queue length	CF	variable-length optional field
due date	AH	variable-length optional field
recall date	CJ	18-char, fixed-length optional field: YYYYMMDDZZZZHHMMSS
hold pickup date	CM	18-char, fixed-length optional field: YYYYMMDDZZZZHHMMSS
item identifier	AB	variable-length required field **(item barcode)**
title identifier	AJ	variable-length required field **(up to 80 characters)**
owner	BG	variable-length optional field
currency type	BH	3-char fixed-length optional field
fee amount	BV	variable-length optional field. The amount of fees associated with this item
media type	CK	3-char, fixed-length optional field
permanent location	AQ	variable-length optional field
current location	AP	variable-length optional field
item properties	CH	variable-length optional field
screen message	AF	variable-length optional field

Note: supported by AG

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screen message	
Access denied. (Login msg 93 is required)	
Does not support checkout with no block = Y	
Invalid Item Barcode	
Patron id is not defined	
Patron account is Blocked	
Patron account is Expired	
Cannot locate Patron account	
Item has an Exception: ???	
Item has an Exception: Checked Out	
Item is currently Non-Circulating	
Item is above the renewal limit of ##	
Item currently has holds placed against it	
Item has Checkout Fees - ##	
You have reached the Checkout Limit of ##	
Item has Checkout Fees – #.##	
Item has Checkout Fees – 0.10	
Not Supported	
The institution id is not defined.	
Your account cannot be located. Please see your librarian for assistance.	
The institution id is invalid.	
Password does not match your account.	
Access denied. Please see your librarian for assistance.	**

** applied to hard block and soft block