SOFTWARE DEVELOPMENT
RELEASE NOTES

Club Number Expansion

Release Overview

Release Date: April 25, 2020
Change Summary: We are updating our systems to support 5-digit club numbers.

Depending on the application, you may be required to add leading zeros when *manually entering* a club or agreement number.

> ✎ **Note:** Some peripheral applications, such as the local Door system client app or a vendor database, may not be updated to accept 5-digit club numbers.

System	Change Description
API	Accept *true* 5-digit club numbers and 10-digit agreement numbers in the URI (*true* means that the number must begin with 1-9; it has no leading zeros). Also, continue to allow traditional 4-digit club numbers and 9-digit agreement numbers.
Auto Updater	Increase the club number field length to 5 digits in the database.
CRS	Enable reports to dynamically change the length of the club and agreement numbers.
Dashboard	In situations where the Dashboard displays the club number instead of the club short name (when there is no club short name in the database), display the entire 5-digit club number as long as it begins with the numbers 1-9 (no leading zeros).
DataTrak	Increase the club number field to 5 digits and the agreement number field to 10 digits. Wherever manual entry of a club number is required, a 5-digit number must be entered with leading zeros if necessary. If manual entry of an agreement number is required, a 10-digit number must be entered with leading zeros if necessary.
DataTrak Reports	If the club number begins with zero, drop the leading zero when generating the report; if the club number has 5-digits beginning with the numbers 1-9, the full club number will be displayed on the report.
Door System	The 2.0 Door will leverage the club number from the local database's config table to call REST APIs for multiple endpoints. The local app running on the client's machine for the 2.0 Door will not be updated.
Employee Portal	Continue to display the Club Name from DataTrak and the member's barcode as usual. The length of the member's barcode will not be changed; its length will remain as is.
Hardware Services	Keep the existing Hardware Services configuration's club number at 4 digits. Any new Hardware Services configuration's club number can be 4 or 5 digits.

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System	Change Description
MFEE	When creating a new workstation, you must enter a 5-digit club number, with leading zeros, where applicable (EX: 00012, 09003, 12345).
MYiCLUBonline	Display the 5-digit club number and 10-digit agreement number.
OAuth	Continue to echo back a 4-digit club number to the vendor unless the club number in the request is a true 5-digit number (EX: 12345).
OBC	Continue to display the true club number and agreement number, as it does today, with no leading zeros.
Payment Processing System	Expand the club number field from 4 digits to 5 digits, and the agreement number field from 9 digits to 10 digits. Generally, the club number will continue to be stored as a numeric value, which has no leading zeros.

Change Details

Read on for more information about the software, hardware, and reporting changes in this release.

Software

ABC's software will be updated to accommodate 5-digit club numbers and 10-digit agreement numbers. Depending on the system, you may be required to add a leading zero when manually entering a club or agreement number.

Enhancement details are provided below.

API

The API will continue to allow traditional 4-digit club numbers and 9-digit agreement numbers. It will also be updated to accept *true* 5-digit club numbers and 10-digit agreement numbers in the URI (*true* means that the number begins with 1-9; it has no leading zeros).

> ✎ **Note:** The API will not accept a 5-digit club number or a 10-digit agreement number that begins with a leading zero. If a 5-digit club number or 10-digit agreement number is sent, a `404 (Not Found)` error will occur.

As long as the request contains a traditional 4-digit club number/9-digit agreement number or a true 5-digit club number/10-digit agreement number (with no leading zeros), the response will echo what was sent in the request. For example:

If the request contains a...	The response will contain a...
4-digit club number (EX: 9003)	4-digit club number (EX: 9003)
5-digit club number (EX: 12345)	5-digit club number (EX: 12345)
9-digit agreement number (EX: 900312345)	9-digit agreement number (EX: 900312345)
10-digit agreement number (EX: 1234567890)	10-digit agreement number (EX: 1234567890)

Allowing 4- or 5-digit club numbers and echoing the number sent in the request provides the following benefits.

- Vendors will not be forced to coordinate migration of their databases at the same time ABC does. They will be able to maintain existing data as it is today.

- The 2.0 Door will leverage the club number from the local database's config table to call REST APIs for multiple endpoints. (For more information, see the "Door System" on page 10.)

OAuth

OAuth (Open Authorization) will continue to echo back 4 digits in the response unless a true 5-digit club number (EX: 12345) is sent in the request.
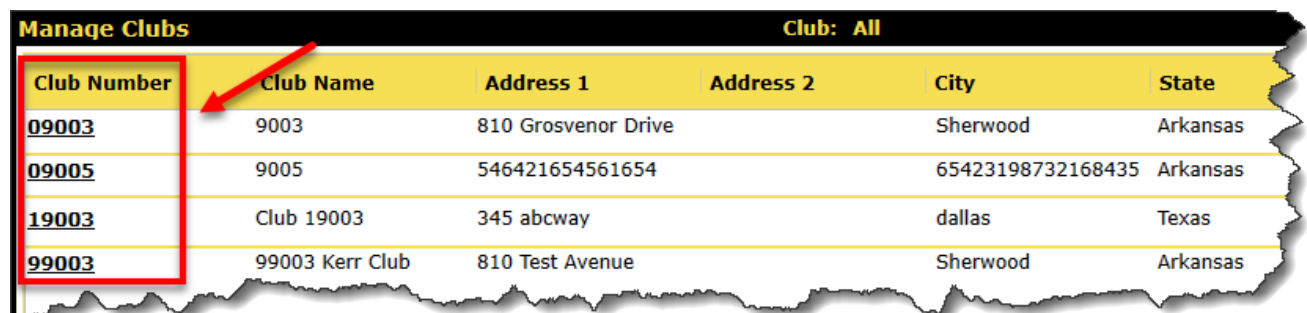
DataTrak

The DataTrak interface was updated as follows.

1. Club numbers were increased to 5 digits and agreement numbers were increased to 10 digits to include a leading zero if necessary (see "Example 1: Displaying Leading Zeros" below).
2. Wherever manual entry of an agreement number is required, a 10-digit agreement number must be entered including leading zeros if necessary (see "Example 2: Entering Agreement Numbers" on the next page).
3. Wherever manual entry of a club number is required, a 5-digit number must be entered including leading zeros if necessary.
4. Reports will be updated to allow 5-digit club numbers. For more information about report changes, see "Reporting" on page 11.

Example 1: Displaying Leading Zeros

In the following example, club numbers on the **Manage Clubs** page are 5 digits in length including a leading zero if necessary.

Club Number	Club Name	Address 1	Address 2	City	State
Manage Clubs				Club: All	
09003	9003	810 Grosvenor Drive		Sherwood	Arkansas
09005	9005	546421654561654		65423198732168435	Arkansas
19003	Club 19003	345 abcway		dallas	Texas
99003	99003 Kerr Club	810 Test Avenue		Sherwood	Arkansas

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In the following example, agreement numbers on the **Manage Agreements** page are 10 digits in length including a leading zero if necessary.

Example 2: Entering Agreement Numbers

When manually entering an agreement number, you must enter a 10-digit number including leading zeros if necessary. When you click the **Agreement Number** or **Master Agreement Number** field, the system will display the following messages.

1. At the top of the page, the system will display the following pop-up message: `Agreement number 1234-56789 will need to be entered as 0123456789.`
2. At the bottom of the page, the system will display the following message: `When manually entering an agreement number, you must enter a 10-digit number including leading zeros if necessary.`

These messages are illustrated below.

The following are examples of unsuccessful and successful searches for a member by *Agreement Number* on the **Manage Members Search** page.

Unsuccessful

If you disregard the warning messages and enter an otherwise correct 9-digit agreement number without leading zeros, the search will produce no results as shown below.

Successful

When you enter a correct agreement number with the full 10 digits, including leading zeros if necessary, the search produces the desired results as shown below.

Employee Portal

The Employee Portal will continue to display the **Club Name** from DataTrak at the top of the page as shown below.
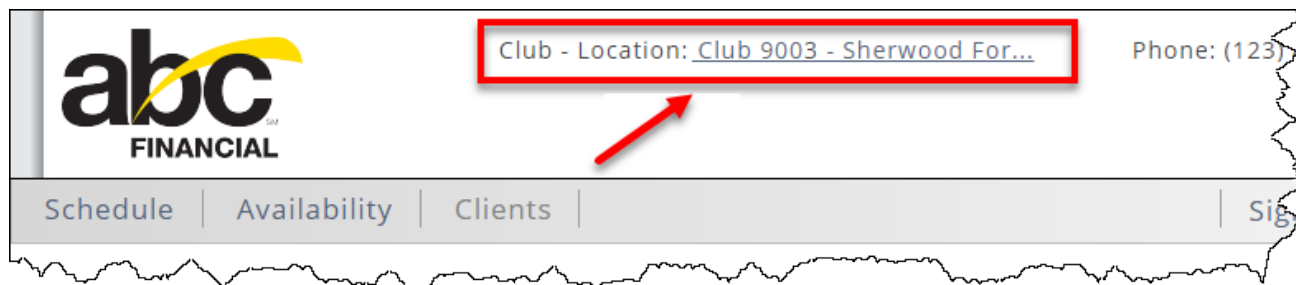
The member's barcode will continue to be displayed. The length of the barcode will not be changed; its length will remain as is. The following is an example of the member's barcode on the **Clients** tab.
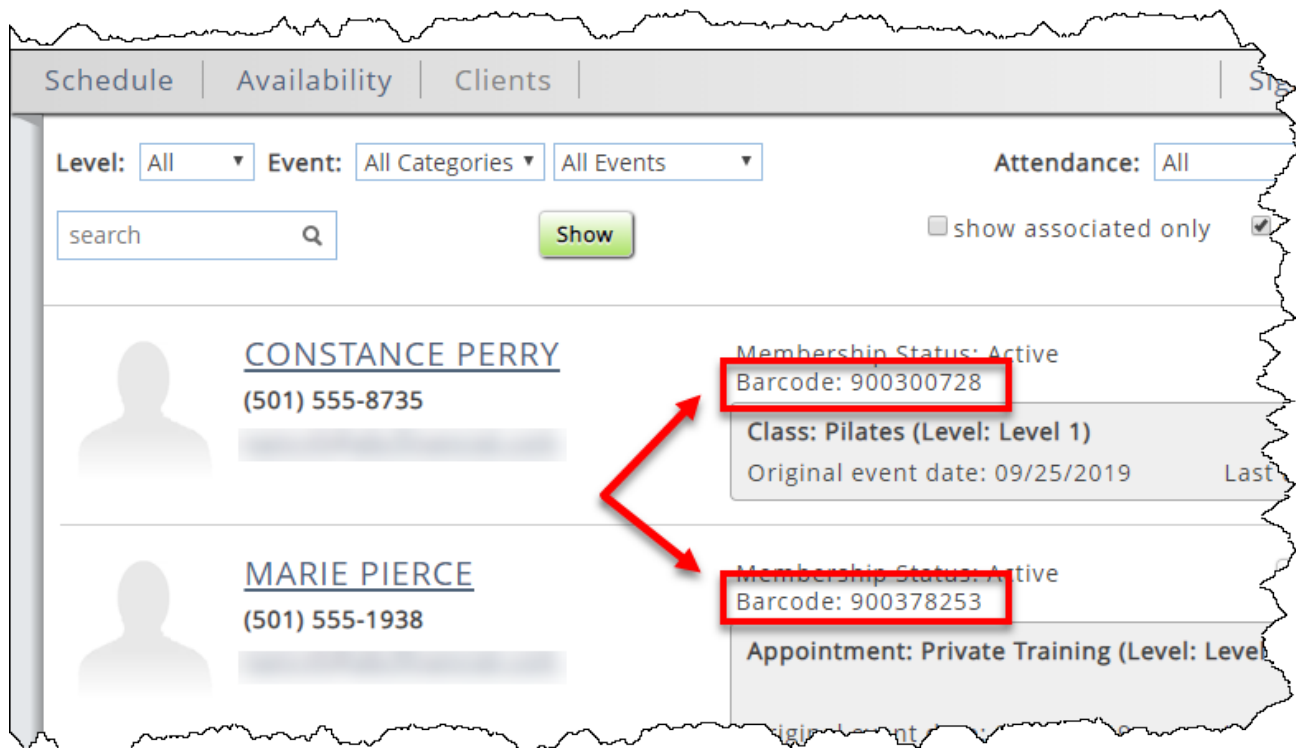
Member Facing Event Enrollment

On the **Member Facing Event Enroll - Create Workstation** page, the maximum length of the **Club Number** field was increased from **4** to **5**.

When creating a new workstation you must enter 5 digits, including leading zeros if necessary, in the **Club Number** field. If you do not enter 5 digits for the club number, the system will display the following error message: `Invalid Club Number`.

MYiCLUBonline

MYiCLUBonline will be updated to display the 5-digit club number and 10-digit agreement number.

In the following example, a leading zero was added to the agreement number to make it 10 digits.
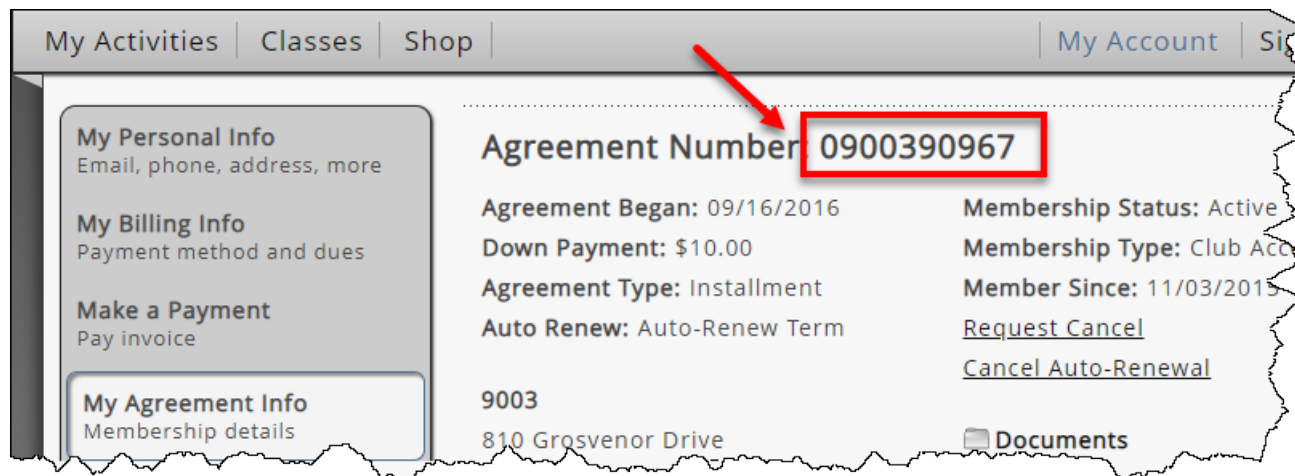
Online Business Center

The Online Business Center will continue to display the true club or agreement number, as it does today, with no leading zeros.

Example 1: Club 0003

In the following example, the agreement number for a member of Club 0003 has no leading zeros.

Example 2: Club 99003

The following is an example of an agreement number for a member of Club 99003.

Payment Processing System

We have expanded the club number field in the Payment Processing System from 4 digits to 5 digits. The agreement number field was expanded from 9 digits to 10 digits.

Hardware

ABC's auto updater and hardware services will be updated to accommodate 5-digit club numbers. However, some peripheral applications, such as the local Door system client app or a vendor database, may not be updated to accept 5-digit club numbers.

Enhancement details are provided below.

Auto Updater

The length of the club number field in the database will be increased to 5 digits.

Door System

The local app running on the client's machine for the 2.0 door will not be updated. The 2.0 door will leverage the club number from the local database's config table to call REST APIs for multiple endpoints in order to:

- Post a check-in.
- Authenticate a user logging into the client app.
- Retrieve all doors for a club.
- Retrieve door access for a specific barcode.
- Perform a DMAR sync.
- Post a tailgate event.

Hardware Services

The existing Hardware Services configuration's club number will remain at 4 digits. This will reduce the complexity in the number of pre-deployments needed to eventually land at 5 digits within Hardware Services.

Any new Hardware Services configuration's club number can be 4 or 5 digits. The Hardware Services API call will be updated to accept a request with a club number length of 4 or 5 digits, and then send a response with the length sent in the request.

If at some point Hardware Services leverages the club number from the response, this will maintain consistency with the club number in the Hardware Services configuration file.

> **Note:** Currently, Hardware Services does not leverage the club number from the response. The Verifone registration process may leverage the Hardware Services configuration's club number in a request to a DataTrak endpoint. This is still being investigated.

Reporting

CRS and DataTrak reports will be updated to accommodate 5-digit club numbers and 10-digit agreement numbers. In some cases, the leading zero may be dropped when generating the report.

Enhancement details are provided below.

Club Reporting System

When run, CRS reports will be able to dynamically change the length of the club and agreement number.

Club Number

The length of the club number field will vary; it is currently set to **4**, but will be changed to **5** when the club number length is changed in DataTrak. The club number in the report heading will expand automatically for the 5-digit club number.

Agreement Number

The length of the agreement number field will vary; it is the sum of the length of the parameter's club number length and the member number length. When the length of the club number is **5** and the length of member number is **5**, the length of the agreement number will be **10**.

DataTrak Reports

The logic for DataTrak reports will be updated as follows.

- If the club number begins with zero, we will drop the leading zero when generating the report.
- If the club number has 5-digits beginning with the numbers 1-9, the full club number will be displayed on the report.

The following is an example of a report showing both 4-digit (no leading zero) and 5-digit club numbers.

Recurring Services

Agreement #	Club Nbr	Club Name	Member Name	Ordinal Identifier
900395654	9003	Club 9003	RYAN HOWARD	900395654
900301252	9003	Club 9003	MICHELLE THOMPSON	900301252
900311111	9003	Club 9003	DANIEL KERRIGAN	900311111
900131058	9003	Club 9003	PATTY DELGADO	900131058
900131058	9003	Club 9003	PATTY DELGADO	900131058
9900303434	99003	Kerr Club	TERRANCE MORRIS	9900303434
9900303434	99003	Kerr Club	TERRANCE MORRIS	9900303434

Filters: Club Nbr in list (00012, 00014, 09003, 19003, 99003)

Dashboard

Currently, if any **Display Items** category uses the **Club Short Name** for **Club** or **Name**, but there is no club short name in the database, the dashboard displays the club number instead.

For these situations, the Dashboard will display the entire 5-digit club number as long as it begins with the numbers 1-9; it will not display leading zeros. This applies to the following display item categories:

- Actual vs Goal
- Compare Periods

The following is an example of the 5-digit club number in the display item.
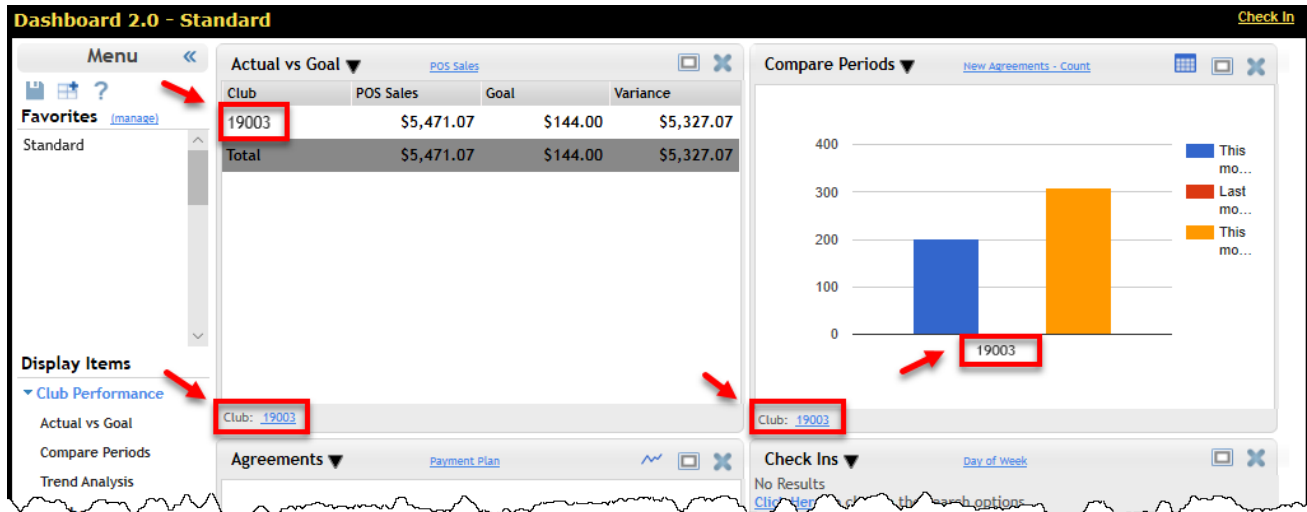
Frequently Asked Questions

What is "Club Number Expansion"?

Club Number Expansion involves updating our systems to expand the club number field to 5 digits.

Why are we expanding club numbers to 5 digits?

To provide capacity for continued growth, we are expanding club numbers to 5 digits.

What is changing to accommodate 5-digit club numbers?

We are updating our systems to accommodate 5-digit club numbers (in some cases, the system will allow either 4 or 5 digits). Wherever *manual entry* of a club number is required, you must enter a 5-digit club number including leading zeros.

When will this change be generally available?

This change will be generally available after April 25, 2020.

Will ABC continue to allow 4-digit club numbers?

Depending on the application, traditional 4-digit club numbers (and 9-digit agreement numbers) may still be allowed. For example, the API will still allow requests with 4-digit club numbers, and will echo the 4-digit club number in the response.

Glossary

A

Agreement Number

A member-specific number ABC uses to enter, locate, and track a member's account in our billing system. It is a 9- or 10-digit number: the first 4 or 5 digits consist of the club number, and the last 5 digits consist of the specific member's number.

API

Stands for "Application Programming Interface;" it is a set of functions and procedures allowing the creation of applications that access the features or data of an operating system, application, or other service.

C

Club Number

The number used to identify the club to ABC Employees.

E

ETL

Stands for "Extract, Transform, and Load;" it combines three database functions into one tool to pull data out of one database and place it into another database.

O

OAuth

OAuth (Open Authorization) is an open standard for token-based authentication and authorization on the Internet.

T

True

A "true" club or agreement number is one that begins with 1-9; it has no leading zeros.

U

URI

Stands for "Uniform Resource Identifier;" it is a string of characters used to identify a resource on a computer network. The best know type is the web address or URL.