

2017-18 IVG 160 Byte File Layout Specifications

OVERVIEW:

- A) ISAC will provide an Eligibility File from the File Extractions menu in the online version of IVG using the GAP Access Portal. The records will be available for extraction daily as Record Type = S.
- B) Schools may transmit Benefit Requests to ISAC via File Transfer Protocol (FTP) using the common 160 byte layout and identify these with Record Type = V.
- C) When Benefit Requests are processed, ISAC will provide Benefit Results to schools through the IVG system. The Benefit results records can be retrieved in the 160 byte format by using the IVG Benefit Results File Extraction option. IVG results records have a Record Type = B. The IVG Benefit Results file contains some eligibility data elements. Schools may also use the Reports option in IVG to obtain Benefit results.
- D) To cancel Benefit Requests, the school with the current Benefit Results record on ISAC's Benefit Database must transmit a matching record with IVG Benefit Request Code = C, with the Requested Award Amount field equal to zero and the Enrollment Hours field equal to 0 along with other required data elements. These records must be transmitted to ISAC as Record Type = V.
- E) In the future, revisions made to the file layout will be highlighted in gray.
- F) List of Fields being transmitted with each Record Type:

<u>Record Type</u>	<u>Required Fields</u>	<u>Description</u>
S	1-3, 5, 7, 8, 13, 18, 23, 29	IVG Eligibility Status records to the school from ISAC
V	1-7, 21, 25, 27-28	IVG Benefit Request or Cancellation record to ISAC from the school
B/U	1-8, 10-11, 13-16, 18, 20-23, 25, 27-29	IVG Benefit Results records to the school from ISAC

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G) The following 160 byte record layout will be used for transmitting data between schools and ISAC.

<u>Field Number</u>	<u>Data Element</u>	<u>Type (Length)</u>	<u>Start</u>
1	IVG CODE	9(03)	1
2	RECORD TYPE	X(01)	4
3	CURRENT SSN	9(09)	5
4	TERM ENROLLED	9(01)	14
5	COLLEGE YEAR	9(02)	15
6	BENEFIT REQUEST CODE	X(01)	17
7	TITLE IV SCHOOL CODE	X(06)	18
8	STUDENT LAST NAME	X(16)	24
9	FILLER	X(03)	40
10	USER DEFINED	X(01)	43
11	TOTAL REQUESTED AWARD AMOUNT FOR TERM	9(05)V99	44
12	FILLER	X(05)	51
13	DEFAULT	X(01)	56
14	BENEFIT RESULT CODE	X(01)	57
15	BENEFIT RESULTS AMOUNT PAID FOR TERM	9(05)V99	58
16	ADJUSTED AMT FROM PREV BENEFIT RESULTS	S9(05)V99	65
17	FILLER	X(02)	72
18	BENEFIT RESULTS PROCESS DATE/AS OF DATE	X(08)	74
19	FILLER	X(23)	82
20	EXPANDED REJECT REASON CODE	X(02)	105
21	ENROLLMENT HOURS	9(02)V99	107
22	INVOICE NUMBER	X(10)	111
23	IVG ENTITLEMENT UNITS	9(03)	121
24	FILLER	X(08)	124
25	POST 9/11 GI BILL BENEFIT USAGE PERCENTAGE	X(02)	132
26	FILLER	X(03)	134
27	IN-DISTRICT AMOUNT REQUESTED	9(05)V99	137
28	OUT-OF-DISTRICT AMOUNT REQUESTED	9(05)V99	144
29	IVG #	X(09)	151
30	Filler	X(01)	160

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H) Definition of Data Elements:

- Field types are alpha/numeric (X) for these data elements, unless otherwise indicated.
- Alpha/numeric fields (X) greater than one character (byte) are left justified and padded with spaces.
- Numeric fields (9) greater than one digit (byte) are right justified and padded with zeros.
- Date fields are in century-year-month-day (CCYYMMDD) format.
- **DO NOT use null or low-value characters.**

<u>Field Number</u>	<u>Field Name and Description</u>
1	IVG School Code - 3 numeric characters; must be a valid IVG school code.
2	Record Type - 1 alpha/numeric character; contains a value as described below: U = IVG Cumulative Benefit Results to the school. S = Eligibility Status records to the school. V = Benefit Request Records from the school. B = IVG Benefit Results to the school.
3	Current SSN - 9 numeric characters; student's SSN.
4	Term Enrolled - 1 numeric character; contains a value described below: 3 = Summer Term 1 = Fall Term 2 = Spring Term
5	College Year - 2 numeric characters; 18 (for the 2017-2018 academic year)
6	IVG Benefit Request Code - 1 alpha/numeric character; contains a value described below: P = Benefit request C = Benefit request cancellation
7	Title IV School Code - 6 alpha/numeric characters. This field is required on record type V.
8	Student Last Name - 16 alpha/numeric characters; contains student's last name. This field is optional on record type V. (Note: If this field is provided, the invoice, benefit reports, and benefit files will display the last name provided; which may be different than the last name in the GAP system. The name will not be changed in GAP.)
9	Filler - 3 alpha/numeric characters; reserved for ISAC use.
10	User Defined – 1 alpha/numeric character. Optional; for use at user's discretion.
11	Total Requested Award Amount for Term – 7 alpha/numeric characters.
12	Filler - 5 alpha/numeric characters; reserved for ISAC use.

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- 13 **Default** - 1 alpha/numeric character; contains a value as described below:
Y = Student is currently in default on an ISAC guaranteed loan.
N = Student is not currently in default on an ISAC guaranteed loan.
Blank = Student is not currently in default on an ISAC guaranteed loan.
- 14 **Benefit Result Code** - 1 alpha/numeric character; contains a value as described below:

Benefit requests or cancellations will receive the following result codes if the record formatted by the school does not have valid values:

1 = Data Edit Error (see **Expanded Reject Reason Code**, field 20, for details)
2 = SSN not on ISAC database for year and term.
3 = School code invalid for year and term
4 = Request superseded by another request.
- IVG (Record Type R/C):**

Benefit results will have one of the following exception codes:

* = Benefit processed as requested - no reported exception
B = Benefit increased
C = Benefit decreased
F = Full IVG benefit units already used
H = Benefit already processed for **your school** for requested term or no change to benefit amount or units
I = Benefit reduced, amount claimed is greater than allowable tuition and fees. See Expanded Reject Code, Field #20 for further explanation.
J = Ineligible for Benefit (Application not approved.)
K = Ineligible for Benefit due to Stafford loan default status per ISAC.
T = With this Benefit, student attains 120 IVG Units. Student will no longer be eligible for IVG Benefit.
U = Change in Benefit was requested; record indicates that no prior Benefit has been made for this term.
N = Benefit already processed for term at school xxx (xxx = IVG code that received benefits.)
W = IVG units increased due to a change in enrollment hours. (no change to amounts)
X = IVG units decreased due to a change in enrollment hours. (no change to amounts)
A = Ineligible due to conflict
- 15 **Benefit Results Amount Paid for Term** - 7 (including 2 decimal places) signed numeric characters; from zero to max term award.
- 16 **Adjusted Amount from Previous Benefit Results** - 7 (including 2 decimal places) signed numeric characters; from - max term award to + max term award.
- 17 **Filler** – 2 alpha/numeric characters; reserved for ISAC use.
- 18 **Benefit Results Process Date/As of Date** - 8 alpha/numeric characters; contains the date that a Benefit request or cancellation was processed for Benefit or the date of the eligibility status information.
- 19 **Filler** – 23 alpha/numeric characters.

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- 20 **Expanded Reject Reason Code** - 2 alpha/numeric characters; contains a value described below:
- IVG (Record Type):** B or U
- 1E = **Benefit Request Code** (field 6) is invalid; not "P" or "C" or is blank.
-Or-
Enrollment Hours (field 21) field does not contain valid number of hours or is blank. See field 37 - Enrollment Hours.
- 1G = Invalid Post 9/11 GI Bill %
1L = School Code (field 1) is a non-approved IVG school code
1T = Term Enrolled (field 4) is invalid: is not "1", "2" or "3", is blank, or not numeric
1U = In-district tuition, Out-of-district tuition or Fee amount is invalid or blank
1V = College Year (field 5) invalid: year provided not currently being processed, is blank or not numeric.
T = Benefit was reduced to not exceed maximum allowable tuition and fees.
- 21 **Enrollment Hours** – 4 numeric characters; Decimal (.) is implied, 2 positions. – The actual number of hours the student is enrolled.
- If Field #6, **Benefit Request Code**, is "P" – Must be > 0
If Field #6, **Benefit Request Code**, is "C" – Must be = 0
- 22 **Invoice Number** -10 alpha/numeric characters; identifies the invoice on which a student record was processed. Blank means no Benefit was made for this term.
- 23 **IVG Entitlement Units** – 3 numeric characters.
- 24 **Filler** - 8 alpha/numeric characters.
- 25 **Post 9/11 GI Bill Benefit Usage Percentage** - 2 alpha/numeric characters; contains a value as described below:
- 90 = Percentage at which student was <100% eligible for Post 9/11 GI Bill.
80 = Percentage at which student was <100% eligible for Post 9/11 GI Bill.
70 = Percentage at which student was <100% eligible for Post 9/11 GI Bill.
60 = Percentage at which student was <100% eligible for Post 9/11 GI Bill.
50 = Percentage at which student was <100% eligible for Post 9/11 GI Bill.
40 = Percentage at which student was <100% eligible for Post 9/11 GI Bill.
Blank = No Post 9/11 Bill considered for IVG.
- 26 **Filler** - 3 alpha/numeric characters; contains a value as described below:
- 27 **In-District Amount Requested** – 7 alpha/numeric characters.
- 28 **Out-of-District Amount Requested** – 7 alpha/numeric characters.
- 29 **IVG #** – 9 alpha/numeric characters. This field is optional for Record Type V.
- 30 **Filler** – 1 alpha/numeric character.

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PREPARING FILES TO SUBMIT VIA FTP

The 160 byte flat file used to exchange IVG data is simply a text file, created with Notebook or Microsoft Word that has 160 columns across each row. Each row accounts for each individual record. Every column or set of columns has a specific meaning and will be populated depending on the use of the file.

Pages 1 – 5 of this document contain the description of the data that should be populated in the specific columns. In addition to Benefit Requests this document also identifies other record types used as a part of the IVG Process. The different record types that are used are as follows:

- E – IVG Cumulative Benefit Results to the school
- S – Eligibility Status records IVG Benefit Results based on submitted requests from the school
- V – IVG Benefit Requests and Cancellations submitted by the school for processing
- U – IVG Benefit Results to the school

Benefit Requests for IVG are created with a record type of V. **After populating the file with data, it is important that the 160 byte file be saved as a text file and that the file name has the extension of .txt.**

- **Example: IVGpayreq_999_010111.txt**

SUBMITTING BENEFIT REQUESTS VIA FTP

This section provides instructions for interacting with ISAC's Secure File Transfer System (<https://transfer.isac.org/>), which is to be used by schools participating in the File Transfer Protocol (FTP) processes for the Illinois Veteran Grant (IVG) Program.

All users will need to have GAP Access IDs and passwords to login to the secure file transfer system. In addition, a GAP Access administrator must grant access privileges for anyone that will be using the secure transfer system.

Accessing the ISAC File Transfer System

The ISAC File Transfer System is accessible by using a web browser and navigating to the URL <https://transfer.isac.org/>.

Please note that the site uses **HTTPS** and not HTTP. The web browser must have cookies and javascript enabled and it must allow popups for **transfer.isac.org** in order to function correctly.

If using Internet Explorer 7.0 and above, you will need to use the Windows Search (or Windows Explorer function) and enter the address above in the Address Bar to properly access ISAC's FTP site.

Once you've navigated to <https://transfer.isac.org/>, enter your current GAP Access username and password to log in to the site. While logged in, please note:

- There is a five-minute inactivity timeout. This means that while you are logged on, if you do not do anything for five or more minutes, you will be prompted to logon again.
- You should not use the Back and Forward buttons of your web browser to navigate while in the secure site, as this will result in unintended consequences.

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School Folder

After a successful login, you will go to the Secure Folders screen which will display your **School Folder** on the ISAC File Transfer System, identified by your institution's 6-digit US Department of Education school code.

Program Folder

Click on your School Folder and then the Program Folder for IVG, which will have an IN, OUT and TEST subfolder.

- The IN subfolders are to be used when an institution needs to transfer a **file** to ISAC. (Note: you will not be able to transfer folders to the ISAC File Transfer System.)
- The OUT subfolders are to be used to retrieve files that ISAC has made available to an institution.
- The TEST subfolder allows the transfer of test files only.

Uploading a File

To upload a file, select the program subfolder (e.g.IVG/IN) that you wish to upload a file to, then click the Upload button. This will bring up a screen which accesses your computer.

- **Note:** If you have not allowed popups for transfer.isac.org, your web browser may block the popup window that is supposed to appear after clicking the Upload button. It is recommended to always allow popups for this site. If you had to allow it, you will need to click the Upload button again.

Navigate to the desired file on your local computer and select that file to upload. Click Open or doubleclick the selected file to upload it.

An "Upload Complete" message will appear when the file has been successfully uploaded, and the file will be listed in the Program Subfolder. The file will be retrieved and processed in the regular file retrieval cycle. You may then log out of transfer.isac.org.

Here's a review of the steps for submitting Benefit Requests:

1. Create the 160 byte flat file. The file name cannot have any spaces or special characters (e.g., ?, _, #) and must end with the file extension of txt.
2. Open Internet Explorer or Windows Search and type the following in the Address Bar:
 - <https://transfer.isac.org/>
3. Enter your GAP Access ID and password to gain access to the site.
4. Transfer the Benefit request file to the /IVG/IN folder.
6. Close the Internet Explorer or Search window.

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Reporting of Rejected Benefit Requests to Schools

Schools will find Rejected Benefit Requests, along with all other Benefit Results, on the Benefit Results Summary/Invoice Detail report in the IVG Reports: Eligibility Reports area in the IVG section of GAP Access. **No separate notification will be sent.**

To assist in the reconciliation process, additional reports (Benefit Results, Benefit Exceptions, Request Not submitted, etc.,) can be created in the Reports area in the IVG section of GAP Access.

If no FTP-submitted benefit results appear on the Benefit Results Summary/Invoice Detail Report, then your requests may have rejected at the file level prior to any records in that file being processed. Please check your file for the following before resubmitting:

1. Confirm that the file name does not contain any spaces. Please follow the naming convention example shown earlier in this document.
2. Check the records on the file for the correct record length (160 bytes).
3. Check the file for carriage return/line feed.
4. Check the file for proper positioning of the data.

Reminder: Files submitted after 7:00 p.m. will not appear in the following day's results. They will be processed with the next day's submissions with results available the next business day.