# U.S. Department of Education 



APPLICATION PROCESSING SYSTEM SPECIFICATIONS FOR SOFTWARE DEVELOPERS

ACADEMIC YEAR 2020-2021

## Summary of Updates

| Revision Date | Changes |
| :--- | :--- |
| June 2019 | Draft specifications issued. |

## Introduction

The processing edits included in this specification package have been developed using a priority processing logic. Some steps in the process are contingent upon or use data from previous steps. It is, therefore, necessary that the processing edits be performed in the sequence in which they are presented in these specifications. That sequence is as follows:

1. Valid Field Definitions (19 pages)
2. Model Determination (3 pages)
3. Complete Assumptions (7 pages)
4. Simplified Needs Test (4 pages)
5. Complete Reject Edits (9 pages)
6. Determination of Formula Type (3 pages)
7. Expected Family Contribution Formula Calculation (41 pages)
8. Alternate EFC Calculations (6 pages)

All edits or formula steps that are additions or revisions to the prior year's specifications have been marked with an exclamation mark (!) next to the edit number, step, or field. All values that are variables, and subject to change during the year, are marked with an at sign (@).

Unless otherwise specified, all calculations should be carried to 3 decimal places and then rounded to the nearest whole number (upward from . 500 and downward from .499). For example, 4.500 would be rounded to $5 ; 4.499$ would be rounded to $4 ;-4.500$ would be rounded to -5 .

Do not process applications dated prior to 10/1/2019.
The Department of Education will provide a test file for use by developers in self-testing of their system. Expected results will be included on the file for $100 \%$ of the test cases. The Department will not test or certify systems for 2020-2021 and, therefore, will not accept test results for review.

The test data will be provided in Social Security Number (SSN) order and in the 2020-2021 Institutional Student Information Record (ISIR) format. The ISIR record layout can be found in the 2020-2021 Electronic Data Exchange Technical Reference available from the Federal Student Aid Download (FSAdownload) Web site, located at https://fsadownload.ed.gov. To locate the specifications for viewing or downloading from the FSAdownload home page, select the "Technical References and Guides" link, then select "2020-2021" under "Electronic Data Exchange Technical Reference".

If you have questions related to the specifications package or the test data, please contact CPS/SAIG Technical Support at 800/330-5947 (TDD/TTY 800/511-5806) or by e-mail at CPSSAIG@ed.gov.

For the 2020-2021 cycle, there are several significant changes to the specifications. All changes to edits or formula steps are marked with an exclamation mark (!). All tables in the formulas have been updated to account for inflation. The following is a general summary of the substantive changes that have been made to each section of the specifications.

## Valid Field Definitions

- Date Fields have been incremented.
- The Date Completed valid value range was updated to 20191001 - 20210930.
- The Student's Marital Status Date valid value range was updated to 190001-202109.
- The Parents' Marital Status Date valid value range was updated to 190001-202109.
- Student's Date of Birth valid value range was updated to 19000101-20060930.
- Parent 1 Date of Birth valid value range updated to 19000101 - 20111231.
- Parent 2 Date of Birth valid value range updated to 19000101 - 20111231.
- The response of 1040A/EZ has been removed from the Student/Parent Type of Tax Return fields.
- The Student/Parents Eligible for 1040A/EZ fields have been relabeled as Student/Parents Filed Schedule 1.
- The Student's/Parents' Exemptions fields have been removed from the list of data elements.
- The Student's/Parents' Untaxed IRA Distributions fields have been relabeled to include the Untaxed Pensions fields. The new field names are Student's/Parents' Untaxed IRA Distributions and Pensions.
- The Student's/Parents' Untaxed Pensions fields have been removed.
- Question No. and Field No. columns have been renumbered based on the removal of the Student's/Parents' Exemptions and Untaxed Pensions fields.

Model Determination

- Dates have been updated in the applicable edits.


## Complete Assumptions

- The calculation of Worksheet B Total edits (2025 and 2064) have been updated based on the Student's/Parents' Untaxed IRA Distributions fields being relabeled to include the Untaxed Pensions fields.
$\underline{\text { Simplified Needs Test }}$
- The Simplified Needs Test edits (3002, 3004, 3006, 3008, 3010, 3012, 3014, 3016, 3018 and 3020) have been updated based on the removal of the 1040A/EZ Type of Tax Return and the relabeling of the Student/Parents Eligible for 1040A/EZ field to Student/Parents Filed Schedule 1.


## Complete Reject Edits

- Date parameters have been incremented in rejects A and B.
- Income parameters have been updated in Reject 20 edits.


## Formula Calculations

- STX, SST, IPA, ANW, APA, and AAI rates and tables have been updated.
- Alternate EFC adjustment has been updated.

| Change <br> (!) | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 01 | 01 | Last Name | 16 | Blank or valid characters for name: <br> Alpha/numeric (A-Z) (0-9) <br> . (period) <br> ' (apostrophe) <br> - (dash) | If non-blank, first character must be A through Z and second character must be nonnumeric. Correct by left justifying last name if present. |
|  | 02 | 02 | First Name | 12 | Blank or characters listed above. | If non-blank, first character must be A through Z. Correct by replacing first name as it appears on application or set to blank. Left justify. |
|  | 03 | 03 | Middle Initial | 1 | Blank or Alpha (A-Z). | Correct by replacing middle initial as it appears on application or set to blank. Left justify. |
|  | 04 | 04 | Street Address <br> (student permanent mailing address) | 35 | Blank or characters for address: <br> Alpha/numeric (A-Z) (0-9) <br> . (period) <br> ' (apostrophe) <br> - (dash) <br> / (slash) <br> \# (number) <br> (a) (at) <br> \% (percent or care of) <br> \& (ampersand) <br> , (comma) | For street address and city: Set non-valid characters to blank. Left justify. |
|  | 05 | 05 | City <br> (student permanent mailing address) | 16 | Blank or characters listed above. | Left justify. |



| Change (!) | $\begin{aligned} & \text { Ques } \\ & \text { No. } \end{aligned}$ | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 13 | 13 | Student's E-Mail Address | 50 | All blank or valid characters: 0-9, Uppercase A to Z, Lowercase a to z, Space, Period, Apostrophe, Dash, Number Sign, At Sign, Percent, Ampersand, Slash, Comma, Underscore. |  |
|  | 14 | 14 | Citizenship | 1 | Blank, 1, 2, or 3. <br> $1=$ U.S. Citizen <br> $2=$ Eligible non-citizen <br> $3=$ Neither 1 or 2 | Set multiple responses to blank. |
|  | 15 | 15 | Alien Registration Number | 9 | Blank or 000000001-999999999 | If number is less than 7 digits or greater than 9 digits, set it to blank. If number is 7 digits, add two preceding zeroes. If number is 8 digits, add one preceding zero. Set 000000000 to blank. |
|  | 16 | 16 | Student's Marital Status | 1 | Blank, 1, 2, 3, or 4. <br> $1=$ Single <br> $2=$ Married/Remarried <br> $3=$ Separated <br> 4 = Divorced/Widowed | Set multiple responses to blank. |
| ! | 17 | 17 | Student's Marital Status Date | 6 | 190001-202109. <br> All blank or all numeric in CCYYMM format where $\mathrm{MM}=01-12, \mathrm{CC}=19-20$, $Y Y=00-99$. | Set to blank if month, century or year is blank, illegible, or invalid. |



| Change (!) | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 24 | 24 | Parent 1 Highest Educational Level | 1 | Blank, 1, 2, 3, or 4. <br> 1 = Middle School/Jr. High <br> $2=$ High School <br> 3 = College or beyond <br> 4 = Unknown | Set multiple responses to blank. |
|  | 25 | 25 | Parent 2 Highest Educational Level | 1 | Blank, 1, 2, 3, or 4. <br> $1=$ Middle School/Jr. High <br> $2=$ High School <br> 3 = College or beyond <br> 4 = Unknown | Set multiple responses to blank. |
|  | 26 | 26 | High School Diploma or Equivalent | 1 | $\begin{aligned} & \text { Blank, } 1,2,3 \text {, or } 4 . \\ & 1=\text { High School Diploma } \\ & 2=\text { GED } \\ & 3=\text { Home Schooled } \\ & 4=\text { None of the above } \end{aligned}$ | Set multiple responses to blank. |
|  | 27 | 27 | High School Name | 50 | Blank, 0-9, A-Z |  |


| Change <br> (!) | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 27 | 28 | High School City | 28 | Blank or valid characters: <br> Alpha/numeric (A-Z) (0-9) <br> . (period) <br> - (apostrophe) <br> - (dash) <br> / (slash) <br> \# (number) <br> (a) (at) <br> $\%$ (percent or care of) <br> \& (ampersand) <br> , (comma) | Set non-valid characters to blank. Left justify. |
|  | 27 | 29 | High School State | 2 | Blank or valid two letter postal code. For specific State codes, see list that follows these edits. | If numeric, invalid, or illegible, set to blank. |
|  | 28 | 31 | Bachelor's Degree | 1 | Blank, 1, or 2. $\begin{aligned} & 1=\mathrm{Yes} \\ & 2=\mathrm{No} \end{aligned}$ | Set multiple responses to blank. |
|  | 29 | 32 | Grade Level in College | 1 | Blank, $0,1,2,3,4,5,6$, or 7 . <br> $0=1^{\text {st }}$, never attended <br> $1=1^{\text {st }}$, attended before <br> $2=2^{\text {nd }}$ year/sophomore <br> $3=3^{\text {rd }}$ year/junior <br> $4=4^{\text {th }}$ year $/$ senior <br> $5=5^{\text {th }}$ year or more undergraduate <br> $6=1^{\text {st }}$ year graduate/professional <br> $7=$ Continuing graduate/Professional | Set multiple responses to blank. |


| Change <br> (!) | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 30 | 33 | Degree/Certificate | 1 | Blank, 1-9. <br> For specific codes see list that follows these edits. | Set multiple responses to blank. |
|  | 31 | 34 | Interested in Receiving Work-Study | 1 | $\begin{aligned} & \text { Blank, } 1,2, \text { or } 3 . \\ & 1=\text { Yes } \\ & 2=\text { No } \\ & 3=\text { Don't Know } \end{aligned}$ | Set multiple responses to blank. |
|  | 32 | 35 | Student's Tax Return Status | 1 | Blank, 1, 2, or 3. <br> 1 = Already completed <br> $2=$ Will file <br> $3=$ Will not file | Set multiple responses to blank. |
| ! | 33 | 36 | Student's Type of Tax Return | 1 | Blank, 1, 3, or 4. $1=1040$ <br> $3=$ Foreign tax return <br> 4 = Trust Territory tax return | Set multiple responses to blank. |
|  | 34 | 37 | Student's Tax Return Filing Status | 1 | Blank, 1, 2, 3, 4, 5, or 6 . <br> $1=$ Single <br> $2=$ Married-Filed Joint Return <br> 3 = Married-Filed Separate Return <br> 4 = Head of Household <br> 5 = Qualifying Widow(er) <br> 6 = Don't Know | Set multiple responses to blank. |


| Change <br> $(!)$ | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $!$ | 35 | 38 | Student Filed Schedule 1 |  | 1 <br> Blank, 1, 2, or 3. <br> $1=$ No <br> Yes <br> $3=$ Don't Know | Set multiple responses to blank. |
|  | 36 | 39 | Student's AGI | 7 | Blank or -99999999-9999999. |  |
|  | 37 | 40 | Student's Taxes Paid | Student's Income | 7 | Blank or $0000000-9999999$. |

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| Change <br> (!) | $\begin{aligned} & \text { Ques } \\ & \text { No. } \end{aligned}$ | $\begin{aligned} & \text { Field } \\ & \text { No. } \end{aligned}$ | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 43d | 49 | Student's College Grant/Scholarship Aid | 7 | Blank or $0000000-9999999$. |  |
|  | 43 e | 50 | Student's Combat Pay | 7 | Blank or $0000000-9999999$. |  |
|  | 43f | 51 | Student's Co-op Earnings | 7 | Blank or $0000000-9999999$. |  |
|  | 44a | 52 | Student's Pension Payments | 7 | Blank or $0000000-9999999$. |  |
|  | 44b | 53 | Student's IRA Payments | 7 | Blank or $0000000-9999999$. |  |
|  | 44c | 54 | Student's Child Support Received | 7 | Blank or $0000000-9999999$. |  |
|  | 44d | 55 | Student's Interest Income | 7 | Blank or $0000000-9999999$. |  |
| ! | 44e | 56 | Student's Untaxed IRA Distributions and Pensions | 7 | Blank or $0000000-9999999$. |  |
|  | 44f | 57 | Student's Military/Clergy Allowances | 7 | Blank or $0000000-9999999$. |  |
|  | 44 g | 58 | Student's Veterans Non-Education Benefits | 7 | Blank or $0000000-9999999$. |  |
|  | 44h | 59 | Student's Other Untaxed Income | 7 | Blank or $0000000-9999999$. |  |


| Change <br> (!) | Ques No. | Field No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 44 i | 60 | Student's Other Non-Reported Money Received | 7 | Blank or $0000000-9999999$. |  |
|  | 45 | 61 | Born Before 01/01/97 | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 46 | 62 | Is Student Married | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 47 | 63 | Graduate or Professional Student | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 48 | 64 | Active Duty Military | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 49 | 65 | Veteran Status | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 50 | 66 | Do You Have Children | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |


| Change (!) | Ques <br> No. | Field No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 51 | 67 | Dependents Other Than Children/Spouse | 1 | Blank, 1, or 2. $\begin{aligned} & 1=\text { Yes } \\ & 2=\mathrm{No} \end{aligned}$ | Set multiple responses to blank. |
|  | 52 | 68 | Orphan or Ward of the Court | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 53 | 69 | Emancipated Minor | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 54 | 70 | In Legal Guardianship | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 55 | 71 | Homeless Youth Determined by School | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |
|  | 56 | 72 | Homeless Youth Determined by HUD | 1 | Blank, 1, or 2. $\begin{aligned} & 1=\text { Yes } \\ & 2=\mathrm{No} \end{aligned}$ | Set multiple responses to blank. |
|  | 57 | 73 | At Risk of Homelessness | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |



| Change (!) | Ques No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 64 | 80 | Parent 2 SSN | 9 | Blank or all numeric: 000-00-0000 - 999-99-9999 |  |
|  | 65 | 81 | Parent 2 Last Name | 16 | Blank or valid characters for name: <br> Alpha/numeric (A-Z) (0-9) <br> . (period) <br> - (apostrophe) <br> - (dash) | If non-blank, first character must be A through Z and second character must be nonnumeric. Correct by left justifying last name if present. |
|  | 66 | 82 | Parent 2 First Initial | 1 | Blank or Alpha (A-Z). |  |
| ! | 67 | 83 | Parent 2 Date of Birth | 8 | 19000101-20111231. <br> All blank or all numeric in CCYYMMDD format where $\mathrm{MM}=01-12, \mathrm{DD}=01-31$, $\mathrm{CC}=19, \mathrm{YY}=00-99$ or $\mathrm{CC}=20, \mathrm{YY}=$ 00-09. | Set DOB to blank if month, day, century or year is blank, illegible, or invalid. |
|  | 68 | 84 | Parent's E-Mail Address | 50 | 0-9, Uppercase A to Z, Lowercase a to z, Space, Period, Apostrophe, Dash, Number Sign, At Sign, Percent, Ampersand, Slash, Comma, Underscore, Blank. |  |
|  | 69 | 85 | Parents' State of Legal Residence | 2 | Blank or valid two letter postal code. For specific State codes, see list that follows these edits. | If numeric, invalid, or illegible, set to blank. |
|  | 70 | 86 | Parents' Legal Resident Before 01/01/15 | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |


| Change <br> (! | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- |
| $!$ | 71 | 87 | Parents' Legal Residence Date | 6 | $190001-202112$. <br> Numeric within valid date range or blank. <br> Format is CCYYMM, CCYYbb, or <br> bbbbM, where MM $=01-12$, CC $=19-$ <br> $20, Y Y=00-99$. | Set to blank if month, century or year is blank, <br> illegible, or invalid. |
|  | 72 | 88 | Parents' Number of Family Members | 2 | Blank or $00-99$. | Set to positive if negative is given. If greater |
| than 99, set to 99. |  |  |  |  |  |  |


| Change <br> (!) | $\begin{aligned} & \text { Ques } \\ & \text { No. } \end{aligned}$ | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 78 | 94 | Parents' WIC Benefits | 1 | Blank, 1, or 2. $\begin{aligned} & 1=\mathrm{Yes} \\ & 2=\mathrm{No} \end{aligned}$ | Set multiple responses to blank. |
|  | 79 | 95 | Parents' Tax Return Status | 1 | Blank, 1, 2, or 3. <br> 1 = Already completed <br> $2=$ Will file <br> $3=$ Will not file | Set multiple responses to blank. |
| ! | 80 | 96 | Parents' Type of Tax Return | 1 | Blank, 1, 3, or 4 . $\begin{aligned} & 1=1040 \\ & 3=\text { Foreign tax return } \\ & 4=\text { Trust Territory tax return } \end{aligned}$ | Set multiple responses to blank. |
|  | 81 | 97 | Parents' Tax Return Filing Status | 1 | Blank, 1, 2, 3, 4, 5, or 6 . <br> $1=$ Single <br> $2=$ Married-Filed Joint Return <br> 3 = Married-Filed Separate Return <br> 4 = Head of Household <br> $5=$ Qualifying Widow(er) <br> 6 = Don't Know | Set multiple responses to blank. |
| ! | 82 | 98 | Parents Filed Schedule 1 | 1 | Blank, 1, 2, or 3. $\begin{aligned} & 1=\text { No } \\ & 2=\text { Yes } \\ & 3=\text { Don't Know } \end{aligned}$ | Set multiple responses to blank. |


| Change (!) | Ques No. | $\begin{aligned} & \text { Field } \\ & \text { No. } \end{aligned}$ | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 83 | 99 | Parent Dislocated Worker | 1 | Blank, 1, 2, or 3. $\begin{aligned} & 1=\text { Yes } \\ & 2=\text { No } \\ & 3=\text { Don't Know } \end{aligned}$ | Set multiple responses to blank. |
|  | 84 | 100 | Parents' AGI | 7 | Blank or -9999999-9999999. |  |
|  | 85 | 101 | Parents' Taxes Paid | 7 | Blank or $0000000-9999999$. | Set to positive if negative is given. |
|  | 86 | 102 | Parent 1 Income | 7 | Blank or -9999999-9999999. |  |
|  | 87 | 103 | Parent 2 Income | 7 | Blank or -9999999-9999999. |  |
|  | 88 | 104 | Parents' Cash, Savings, and Checking | 7 | Blank or $0000000-9999999$. | Set to positive if negative is given. |
|  | 89 | 105 | Parents' Real Estate/Investment Net Worth | 7 | Blank or $0000000-9999999$. | Set to positive if negative is given. |
|  | 90 | 106 | Parents' Business/Farm Net Worth | 7 | Blank or $0000000-9999999$. | Set to positive if negative is given. |
|  | 91a | 107 | Parents' Education Credits | 7 | Blank or $0000000-9999999$. |  |
|  | 91b | 108 | Parents' Child Support Paid | 7 | Blank or $0000000-9999999$. |  |
|  | 91c | 109 | Parents' Need-Based Employment | 7 | Blank or $0000000-9999999$. |  |

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| Change <br> (!) | Ques <br> No. | Field No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 91d | 110 | Parents' College Grant/Scholarship Aid | 7 | Blank or $0000000-9999999$. |  |
|  | 91e | 111 | Parents' Combat Pay | 7 | Blank or $0000000-9999999$. |  |
|  | 91f | 112 | Parents' Co-op Earnings | 7 | Blank or $0000000-9999999$. |  |
|  | 92a | 113 | Parents' Pension Payments | 7 | Blank or $0000000-9999999$. |  |
|  | 92b | 114 | Parents' IRA Payments | 7 | Blank or $0000000-9999999$. |  |
|  | 92c | 115 | Parents' Child Support Received | 7 | Blank or $0000000-9999999$. |  |
|  | 92d | 116 | Parents' Interest Income | 7 | Blank or $0000000-9999999$. |  |
| ! | 92e | 117 | Parents' Untaxed IRA Distributions and Pensions | 7 | Blank or $0000000-9999999$. |  |
|  | 92 f | 118 | Parents' Military/Clergy Allowances | 7 | Blank or $0000000-9999999$. |  |
|  | 92 g | 119 | Parents' Veterans Non-Education Benefits | 7 | Blank or $0000000-9999999$. |  |
|  | 92h | 120 | Parents' Other Untaxed Income | 7 | Blank or $0000000-9999999$. |  |


| Change <br> (! $)$ | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 93 | 121 | Student's Number of Family Members | 2 | Blank or $01-99$. | Set to positive if negative is given. If greater <br> than 99, set to 99. |
|  | 94 | 122 | Student's Number in College | 1 | Set to positive if negative is given. If greater |  |
| than 9, set to 9. |  |  |  |  |  |  |


| Change <br> (!) | Ques No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 100 | 128 | Student/Spouse Dislocated Worker | 1 | $\begin{aligned} & \text { Blank, } 1,2 \text {, or } 3 . \\ & 1=\text { Yes } \\ & 2=\text { No } \\ & 3=\text { Don't Know } \end{aligned}$ | Set multiple responses to blank. |
|  | 101a | 129 | First College Choice | 6 | Blank or 000000-099999. $0, B, E$, and $G$ valid for 1 st position. |  |
|  | 101c | 131 | Second College Choice | 6 | Blank or 000000-099999. $0, \mathrm{~B}, \mathrm{E}$, and G valid for 1 st position. |  |
|  | 101e | 133 | Third College Choice | 6 | Blank or 000000-099999. <br> $0, B, E$, and $G$ valid for 1 st position. |  |
|  | 101 g | 135 | Fourth College Choice | 6 | Blank or 000000-099999. $0, \mathrm{~B}, \mathrm{E}$, and G valid for 1 st position. |  |
|  | 101b | 130 | First Housing Plans | 1 | Blank, 1 - 3. <br> $1=$ On-Campus <br> $2=$ With Parent <br> $3=$ Off Campus | Set multiple responses to blank. |
|  | 101d | 132 | Second Housing Plans | 1 | Blank, 1 - 3. <br> 1 = On-Campus <br> $2=$ With Parent <br> 3 = Off Campus | Set multiple responses to blank. |


| Change <br> (!) | Ques <br> No. | Field <br> No. | Name | Length | Valid Field Content | Edit Procedures |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 101f | 134 | Third Housing Plans | 1 | Blank, 1 - 3. <br> $1=$ On-Campus <br> $2=$ With Parent <br> $3=$ Off Campus | Set multiple responses to blank. |
|  | 101h | 136 | Fourth Housing Plans | 1 | Blank, 1 - 3. <br> $1=$ On-Campus <br> $2=$ With Parent <br> $3=$ Off Campus | Set multiple responses to blank. |
| ! | 102 | 149 | Date Completed | 8 | 20191001-20210930. <br> Blank or all numeric in CCYYMMDD format, where $\mathrm{MM}=01-12, \mathrm{DD}=01-31$, $\mathrm{CC}=20, \mathrm{YY}=19-21$. | Set to blank if multiple responses checked in year. |
|  | 103 | 150 | Signed By | 1 | $\begin{aligned} & \text { Blank, A, P, or B. } \\ & \text { A = Signed by Applicant } \\ & \text { P = Signed by Parent } \\ & \text { B = Signed by Applicant and Parent } \end{aligned}$ | Determine from application. |
|  | -- | 176 | Parents' Asset Threshold Exceeded | 1 | Blank, 1, or 2. $\begin{aligned} & 1=\mathrm{Yes} \\ & 2=\mathrm{No} \end{aligned}$ | Set multiple responses to blank. |
|  | -- | 177 | Student's Asset Threshold Exceeded | 1 | $\begin{aligned} & \text { Blank, } 1 \text {, or } 2 . \\ & 1=\text { Yes } \\ & 2=\text { No } \end{aligned}$ | Set multiple responses to blank. |

## FORMAT INSTRUCTIONS

Key only the dollar amount of any financial field, subject to right justify and left zero fill.
Set to negative nines (-9999999) when a negative amount is given that is larger than what the field allows.
Set to positive nines (9999999) when a positive amount is given that is larger than what the field allows.

STATE CODES

| State Name | State Code | State Name | State Code | State Name | State Code |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ALABAMA | AL | MANITOBA | MB | OKLAHOMA | OK |
| ALASKA | AK | MARSHALL ISLAND | MH | ONTARIO | ON |
| ALBERTA | AB | MARYLAND | MD | OREGON | OR |
| AMERICAN SAMOA | AS | MASSACHUSETTS | MA | PENNSYLVANIA | PA |
| ARIZONA | AZ | MEXICO | MX | PRINCE EDWARD ISLAND | PE |
| ARKANSAS | AR | MICHIGAN | MI | PUERTO RICO | PR |
| BRITISH COLUMBIA | BC | * MILITARY LOCATIONS | AA, AE, AP | QUEBEC | PQ, QC |
| CALIFORNIA | CA | MINNESOTA | MN | REPUBLIC OF PALAU | PW |
| CANADA | CN | MISSISSIPPI | MS | RHODE ISLAND | RI |
| COLORADO | CO | MISSOURI | MO | SASKATCHEWAN | SK |
| CONNECTICUT | CT | MONTANA | MT | SOURTH CAROLINA | SC |
| DELAWARE | DE | NEBRASKA | NE | SOUTH DAKOTA | SD |
| DISTRICT OF COLUMBIA | DC | NEVADA | NV | TENNESSEE | TN |
| FEDERATED STATES OF MICRONESIA | FM | NEW BRUNSWICK | NB | TEXAS | TX |
| FLORIDA | FL | NEWFOUNDLAND | NF | UTAH | UT |
| FOREIGN COUNTRY | FC | NEW HAMPSHIRE | NH | VERMONT | VT |
| GEORGIA | GA | NEW JERSEY | NJ | VIRGIN ISLANDS | VI |
| GUAM | GU | NEWFOUNDLAND/LABRADOR | NL | VIRGINIA | VA |
| HAWAII | HI | NEW MEXICO | NM | WASHINGTON | WA |
| IDAHO | ID | NUNAVUT | NU | WEST VIRGINIA | WV |
| ILLINOIS | IL | NEW YORK | NY | WISCONSIN | WI |
| INDIANA | IN | NORTH CAROLINA | NC | WYOMING | WY |
| IOWA | IA | NORTH DAKOTA | ND | YUKON | YT |
| KANSAS | KS | NORTHERN MARIANAS | MP |  |  |
| KENTUCKY | KY | NORTHWEST TERRITORIES | NT |  |  |
| LOUISIANA | LA | NOVA SCOTIA | NS |  |  |
| MAINE | ME | OHIO | OH |  |  |

* Codes are valid for mailing state only.

DEGREE/CERTIFICATE CONVERSIONS

| Degree/Certificate <br> Code | Literal |
| :--- | :--- |
| 1 | 1ST BA |
| 2 | 2ND BA |
| 3 | ASSOC. TECHNICAL |
| 4 | ASSOC. GENERAL |
| 5 | CERT/DIPLOMA |
| 6 | CERT/DIPLOMA 2 YR |
| 7 | TEACHING |
| 8 | GRAD/PROF |
| 9 | OTHER/UNDECIDED |

## MODEL DETERMINATION

The result of completing the model determination edits is to determine if applicants are dependent on their parents for financial support or if they can be considered independent from their parents. The determination of dependency status is critical to the rest of the application process; therefore, it is essential to perform this step first.

When performing the following edits to determine the model, use reported data only. No assumptions should be made except those included in these edits. If multiple responses are given for a data element, set the field to blank.

Invalid Date of Birth is defined as follows:

- Month is less than 01 or greater than 12
- Day is out of following range:

| Month | Valid Day Range |
| :--- | :--- |
| 01 | $01-31$ |
| 02 | $01-28$ <br> If year is divisible by 4 then 01-29 is <br> valid. |
| 03 | $01-31$ |
| 04 | $01-30$ |
| 05 | $01-31$ |
| 06 | $01-30$ |
| 07 | $01-31$ |
| 08 | $01-31$ |
| 09 | $01-30$ |
| 10 | $01-31$ |
| 11 | $01-30$ |
| 12 | $01-31$ |

Date of Birth year equal to current year is considered valid for these edits.

| Change <br> (!) | $\begin{aligned} & \hline \text { Edit } \\ & \text { No. } \\ & \hline \end{aligned}$ | Condition | Procedure |
| :---: | :---: | :---: | :---: |
| ! | 1001 | Born Before 1/1/97 is blank or "No", and Date of Birth is not blank or invalid and is less than 1/1/97 | Assume "Yes" for Born Before 1/1/97. |
| ! | 1002 | Born Before 1/1/97 is blank or "Yes" and Date of Birth is not blank or invalid and is greater than 12/31/96. | Assume "No" for Born Before 1/1/97. |
| ! | 1003 | Born Before 1/1/97 is blank, and Date of Birth is blank or invalid. | Assume "No" for Born Before 1/1/97. |
|  | 1004 | Is Student Married is blank or "No," and Student's Marital Status is married or separated. | Assume Yes for Is Student Married. |
|  | 1005 | Is Student Married is blank or "Yes," and Student's Marital Status is single or divorced/widowed. | Assume No for Is Student Married. |
|  | 1006 | Is Student Married is blank, or "Yes," Student's Marital Status is blank and Student's Number of Family Members is 01 or blank. | Assume No for Is Student Married. |
|  | 1007 | Is Student Married is blank, Student's Marital Status is blank, Student's Number of Family Members is 02, Do You Have Children is "No", and Legal Dependents Other Than Children/Spouse is "No." | Assume Yes for Is Student Married. |
|  | 1008 | Is Student Married is blank or "Yes," Student's Marital Status is blank, Student's Number of Family Members is 02, and (Do You Have Children is "Yes") or (Legal Dependents Other Than Children/Spouse is "Yes"). | Assume No for Is Student Married. |
|  | 1009 | Is Student Married is blank or "No," Student's Marital Status is blank, Student's Family Members is 02, Do You Have Children is blank, Legal Dependents Other Than Children/Spouse is blank, and Spouse's Income is non-blank and non-zero. | Assume Yes for Is Student Married. |
|  | 1010 | Is Student Married is blank or "Yes," Student's Marital Status is blank, Student's Family Members is 02 , Do You Have Children is blank, Legal Dependents Other Than Children/Spouse is blank, and Spouse's Income is blank or zero. | Assume No for Is Student Married. |


| Change <br> (!) | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
| 1011 | Is Student Married is blank or "No" Student's <br> Marital Status is blank, Student's Family Members <br> is greater than 02, and Spouse's Income is non- <br> blank and non-zero. | Assume Yes for Is Student Married. |  |
| 1012 | Is Student Married is blank or "Yes," Student's <br> Marital Status is blank, Student's Family Members <br> is greater than 02, and Spouse's Income is blank or <br> zero. | Assume No for Is Student Married. |  |
| 1013 | (Do You Have Children is "Yes") or (Legal <br> Dependents Other Than Children/Spouse is "Yes") <br> and Student's Number Family Members is blank or <br> 1. | Assume No for Do You Have <br> Children and/or Legal Dependents <br> Other Than Children/Spouse, <br> whichever field was reported as <br> "Yes". |  |
| 1014 | Any one of Born Before 1/1/97, Graduate or <br> Professional Student, Is Student Married, Orphan <br> or Ward, Do You Have Children, Legal <br> Dependents Other Than Children/Spouse, Active <br> Military Duty, Veteran Status, Emancipated <br> Minor, In Legal Guardianship, Homeless Youth <br> Determined by School, Homeless Youth <br> Determined by HUD, or At Risk of Homelessness <br> is "Yes". | Set application model to <br> Independent. |  |
| 1015 | For records not meeting the above edit. | Set application model to Dependent. |  |
| 1016 | Application model is Dependent and Dependency <br> Override code is set to 1 or 4. | Set application model to <br> Independent. |  |

## COMPLETE ASSUMPTIONS FOR FORMULA CALCULATIONS

Assumption edits should be performed in the order presented below. Once a value has been assumed for a data field, the assumed value should be used for subsequent edits, which use that data field.

PARENTS' DATA ELEMENTS
\(\left.$$
\begin{array}{|l|l|l|l|}\hline \begin{array}{l}\text { Change } \\
\text { (!) }\end{array} & \begin{array}{l}\text { Edit } \\
\text { No. }\end{array} & \text { Condition } & \text { Procedure } \\
\hline & 2001 & \begin{array}{l}\text { Parents' Marital Status is blank and Parents' } \\
\text { Number of Family Members is 3 or greater. }\end{array} & \begin{array}{l}\text { Assume Parents' Marital Status is } \\
\text { married. }\end{array} \\
\hline & 2002 & \begin{array}{l}\text { Parents' Marital Status is blank and Parents' } \\
\text { Number of Family Members is 2. }\end{array} & \begin{array}{l}\text { Assume Parents' Marital Status is } \\
\text { never married. }\end{array} \\
\hline & 2003 & \begin{array}{l}\text { Parents' Number of Family Members is blank, 1, } \\
\text { or 2 and Parents' Marital Status is married or } \\
\text { unmarried and both parents living together. }\end{array} & \begin{array}{l}\text { Assume Parents' Number of Family } \\
\text { Members is 3. }\end{array} \\
\hline & 2005 & \begin{array}{l}\text { Parents' Number of Family Members is blank or 1 } \\
\text { and Parents' Marital Status is never married, } \\
\text { separated/divorced, or widowed. }\end{array} & \begin{array}{l}\text { Assume Parents' Number of Family } \\
\text { Members is 2. }\end{array} \\
\hline & 2006 & \begin{array}{l}\text { Parents' Number in College is blank. } \\
\text { Parents' Number in College is equal to Parents' } \\
\text { Number of Family Members, both are greater than } \\
\text { 1, and Professional Judgment Flag is not set to 1. }\end{array} & \begin{array}{l}\text { Assume Parents' Number in College } \\
\text { is 1. }\end{array} \\
\hline & 2008 & \begin{array}{l}\text { Parents' Number in College is greater than 6. }\end{array} & \begin{array}{l}\text { Assume Parents' Number in College } \\
\text { is 1. }\end{array} \\
\hline \text { (Parents' Number in College re-entered as greater } \\
\text { than on correction record) or (Assumption } \\
\text { override code 1 is set by Financial Aid } \\
\text { Administrator). }\end{array}
$$ \begin{array}{l}Make no assumption for Parents' <br>

Number in College.\end{array}\right\}\)


| Change (!) | $\begin{array}{\|l\|l\|} \hline \text { Edit } \\ \text { No. } \\ \hline \end{array}$ | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 2011 | Parents' AGI is blank or zero, ((Parents' Type of Tax Return is non-blank) or (Type of Tax Return is blank and Parents' Tax Return Status is filed or will file)), and Parent 1 Income or Parent 2 Income is positive or negative, and the IRS Data Field flag for AGI is not 1 . | Assume Parents' AGI is equal to sum of Parent 1 Income plus Parent 2 Income. (If sum of earnings is greater than 7 digits, use 9999999 or -9999999.) |
|  | 2012 | (Parents' AGI is re-entered as zero on a correction record) or (Assumption override code 2 is set by Financial Aid Administrator). | Make no assumption for Parents' AGI. |
|  | 2013 | Parents' AGI is positive, Parents' Tax Return Status is will not file, and Parent 1 Income and Parent 2 Income are blank or zero. | Assume Parent 1 Income is equal to Parents' AGI. |
|  | 2014 | Parents' Type of Tax Return is non-blank. | Assume parents' tax filing status is tax filer. |
|  | 2015 | Parents' Tax Return Status is filed or will file and Parents' Type of Tax Return is blank. | Assume parents' tax filing status is tax filer. |
|  | 2016 | Parents' AGI is positive or negative, Parents' Tax Return Status is blank, and Parents' Type of Tax Return is blank. | Assume parents' tax filing status is tax filer. |
|  | 2017 | Parents' Tax Return Status is will not file and Parents' Type of Tax Return is blank. | Assume parents' tax filing status is non-tax filer. |
|  | 2018 | Parents' AGI is blank or zero, Parents' Tax Return Status is blank, and Parents' Type of Tax Return is blank. | Assume parents' tax filing status is non-tax filer. |
|  | 2019 | Parents' Taxes Paid is blank and Parents' tax filing status is tax filer. | Assume zero for Parents' Taxes Paid. |
|  | 2020 | Parent 1 Income is blank, Parent 2 Income is blank or zero, Parents' AGI is non-blank and non-zero, and Parent's Marital Status is married or unmarried and both parents living together. | Assume Parent 1 Income equals Parents' AGI. |
|  | 2021 | Parent 2 Income is blank, Parent 1 Income is zero, Parents' AGI is non-blank and non-zero, and Parent's Marital Status is married or unmarried and both parents living together. | Assume Parent 2 Income equals Parents' AGI. |


| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
|  | 2022 | Parent 1 Income is negative and parents' tax filing <br> status is non-tax filer. | Assume same positive value for <br> Parent 1 Income. |
|  | 2023 | Parent 2 Income is negative and parents' tax filing <br> status is non-tax filer. | Assume same positive value for <br> Parent 2 Income. |
| $!$ | 2025 | Calculate Worksheet A Total | Set to the sum of Parents' Education <br> Credits, Child Support Paid, Need- <br> Based Employment, Grant/ <br> Scholarship Aid, Combat Pay, and <br> Co-op Earnings. If greater than <br> 99,999,999, set it to 99,999,999. |
|  | Calculate Worksheet B Total |  |  |
|  |  |  |  |

## STUDENT \& SPOUSE DATA ELEMENTS

| Change <br> (!) | Edit No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
|  | 2029 | Citizenship is blank and Alien Registration <br> Number is non-blank and valid. | Assume Citizenship is eligible <br> non-citizen. |
|  | 2030 | Citizenship is ((blank) or (eligible non-citizen and <br> Alien registration number is blank)) and (SSN <br> Match Flag is 4 and SSA citizenship status code is <br> A or blank). | Assume Citizenship is citizen. |
|  | 2031 | Independent, Student's Marital Status is blank, and <br> Student's Number of Family Members is 1. | Assume Student's Marital Status is <br> single. |
|  | 2033 | Independent, Student's Marital Status is blank, <br> Student's Number of Family Members is 2, Do <br> You Have Children is "No", and Legal <br> Dependents Other Than Spouse is "No". | Assume Student's Marital Status is <br> married. |
|  | 2034 | Independent, Student's Marital Status is blank, <br> Student's Number of Family Members is 2, (Do <br> You Have Children is "Yes") or (Legal <br> Dependents Other Than Spouse is "Yes"). | Assume Student's Marital Status is <br> single. |
|  | Independent, Student's Marital Status is blank, <br> Student's Number of Family Members is 2, and <br> Spouse's Income is non-blank and non-zero. | Assume Student's Marital Status is <br> married. |  |
|  | 2035 | Independent, Student's Marital Status is blank, <br> Student's Number of Family Members is 2, and <br> Spouse's Income is blank or zero. | Assume Student's Marital Status is <br> single. |
|  | 2036 | Independent, Student's Marital Status is blank, <br> Student's Number of Family Members is greater <br> than 2, and Spouse's Income is non-blank and <br> non-zero. | Assume Student's Marital Status is <br> married. |
|  | Independent, Student's Marital Status is blank, <br> Student's Number of Family Members is greater <br> than 2, and Spouse's Income is blank or zero. | Assume Student's Marital Status is <br> single. |  |
|  | 2038 | Independent, Student's Number of Family <br> Members is blank, and Student's Marital Status is <br> married. | Assume Student's Number of Family <br> Members is 2. |
|  |  |  |  |

## Complete Assumptions

| Change | Edit No. | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 2039 | Independent, Student's Number of Family Members is blank, and Student's Marital Status is single, separated, or divorced/widowed. | Assume Student's Number of Family Members is 1 . |
|  | 2040 | Independent, Student's Number of Family Members is 1, Student's Marital Status is married, and Spouse's Income is non-blank and non-zero. | Assume Student's Number of Family Members is 2 . |
|  | 2041 | Independent, Student's Number of Family Members is greater than 1, Student's Marital Status is not married, Do You Have Children is "No", and Legal Dependents Other Than Spouse is "No". | Assume Student's Number of Family Members is 1 . |
|  | 2042 | Independent and Student's Number in College is blank. | Assume Student's Number in College is 1 . |
|  | 2043 | Independent, Student's Number in College is equal to Student's Number of Family Members, and both are greater than 2. | Assume Student's Number in College is 1 . |
|  | 2044 | (Student's Number in College and Student's Number of Family Members re-entered as equal and both greater than 2 on a correction record) or (Assumption override code 3 is set by Financial Aid Administrator). | Make no assumption for Student's Number in College. |
|  | 2045 | Student's Asset Threshold Exceeded carried forward as No on a correction transaction, and (student's marital status has been corrected from married to not married or from not married to married) or (age of student changed by 3 or more years). | Assume Student's Asset Threshold Exceeded is blank. |
|  | 2046 | Independent, Student's Number in College is greater than Student's Number of Family Members. | Assume Student's Number in College is 1 . |
|  | 2047 | Dependent, Student's Marital Status is blank. | Assume Student's Marital Status is single. |
|  | 2048 | Dependent, Spouse's Income is non-blank and non-zero, and Student's Marital Status is single or divorced/widowed. | Assume zero for Spouse's Income. |


| Change | Edit No. | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 2049 | Student's AGI is blank or zero, ((Student's Type of Tax Return is non-blank) or (Type of Tax Return is blank and Student's Tax Return Status is filed or will file)), and Student's Income or Spouse's Income is positive or negative, and the IRS Data Field flag for AGI is not 1 . | Assume Student's AGI is equal to Student's Income plus Spouse's Income. (If sum of earnings is greater than 7 digits, use 9999999 or -9999999.) |
|  | 2050 | (Student's AGI re-entered as zero on a correction record) or (Assumption override code 4 is set by Financial Aid Administrator). | Make no assumption for Student's AGI. |
|  | 2051 | Student's AGI is positive, Student's Tax Return Status is will not file, and Student's Income and Spouse's Income are blank or zero. | Assume Student's Income is equal to Student's AGI. |
|  | 2052 | Student's Type of Tax Return is non-blank. | Assume student's tax filing status is tax filer. |
|  | 2053 | Student's Tax Return Status is filed or will file and Student's Type of Tax Return is blank. | Assume student's tax filing status is tax filer. |
|  | 2054 | Student's AGI is positive or negative, Student's Tax Return Status is blank, and Student's Type of Tax Return is blank. | Assume student's tax filing status is tax filer. |
|  | 2055 | Student's Tax Return Status is will not file and Student's Type of Tax Return is blank. | Assume student's tax filing status is non-tax filer. |
|  | 2056 | Student's AGI is blank or zero, Student's Tax Return Status is blank, and Student's Type of Tax Return is blank. | Assume student's tax filing status is non-tax filer. |
|  | 2057 | Student's Taxes Paid is blank and student's tax filing status is tax filer. | Assume zero for Student's Taxes Paid. |
|  | 2058 | Dependent, Student's Income is blank, and Student's AGI is non-blank and non-zero. | Assume Student's Income equals Student's AGI. |
|  | 2059 | Independent, Student's Income is blank, Spouse's Income is blank or zero, and Student's AGI is non-blank and non-zero. | Assume Student's Income equals Student's AGI. |
|  | 2060 | Student's Income is negative and student's tax filing status is non-tax filer. | Assume same positive value for Student's Income. |

## Complete Assumptions

| Change <br> (!) | Edit No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
|  | 2061 | Independent, Spouse's Income is blank, Student's <br> Income is zero, Student's Marital Status is <br> married, and AGI is non-blank and non-zero. | Assume Spouse's Income is equal to <br> AGI. |
|  | 2062 | Independent, Spouse's Income is negative and <br> student's tax filing status is non-tax filer. | Assume same positive value for <br> Spouse's Income. |
| $!$ | 2064 | Calculate Worksheet A Total | Set to the sum of Student's Education <br> Credits, Child Support Paid, Need- <br> Based Employment, Grant/ <br> Scholarship Aid, Combat Pay, and <br> Co-op Earnings. If greater than <br> $99,999,999$, set it to 99,999,999. |
|  |  | Calculate Worksheet B Total |  |
|  |  |  |  |

## Simplified Needs Test

## SIMPLIFIED NEEDS TEST

Perform the appropriate simplified needs analysis calculation if one of the following conditions is met. Place the results of the calculations in the primary EFC field. Also, perform the full data calculation if supplemental data that matches the model is provided and place the results in the secondary EFC field.

If a value has been assumed for a data field, then the assumed value should be used for the edits that use that data field, unless otherwise stated in the edit. If an income field is blank, use zero for the calculations in these edits.

All values that are variables, and subject to change during the year, are marked with a @.

## DEPENDENT MODEL

If the Parents' AGI, Parent 1 Income, Parent 2 Income, and Parents' Worksheet B Total are all blank, do not perform simplified needs test.

| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :---: | :--- | :--- | :--- |
|  | 3001 | One of parents' Medicaid or SSI, SNAP, <br> Free/Reduced Price Lunch, TANF, WIC or <br> Dislocated Worker is Yes, and (parents' reported <br> AGI is non-blank, and assumed AGI (or reported <br> AGI if no assumption has been made) is less than <br> \$50,000@) or (parents' reported AGI is blank and <br> Parent 1 income plus Parent 2 income is less than <br> \$50,000@). | Set simplified needs. |
| $!$ | 3002 | Parents' type of tax return is Trust Territory (4), <br> parents' reported AGI is non-blank, and assumed <br> AGI (or reported AGI if no assumption has been <br> made) is less than \$50,000@. | Set simplified needs. |
| 3003 | Parents' tax return status is will not file, parents' <br> type of tax return is blank, and Parent 1 income <br> plus Parent 2 income is less than \$50,000@. | Set simplified needs. |  |
| $!$ | 3004 | Parents filed schedule 1 is No, parents' type of tax <br> return is 1040, parents’ reported AGI is non- <br> blank, and assumed AGI (or reported AGI if no <br> assumption has been made) is less than <br> \$50,000@. | Set simplified needs. |


| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :---: | :--- | :--- | :--- |
| 3005 | One of parents' Medicaid or SSI, SNAP, <br> Free/Reduced Price Lunch, TANF, WIC or <br> Dislocated Worker is Yes, and (parents' reported <br> AGI is non-blank, and assumed AGI (or reported <br> AGI no assumption has been made) is <br> \$26,000@ or less) or (parents' reported AGI is <br> blank and Parent 1 income plus Parent 2 income is <br> \$26,000@ or less). | Set Automatic Zero EFC flag. |  |
| $!$ | 3006 | Parents' type of tax return is Trust Territory (4), <br> parents' reported AGI is non-blank, and assumed <br> AGI (or reported AGI if no assumption has been <br> made) is \$26,000@ or less. | Set Automatic Zero EFC flag. |
|  | 3007 | Parents' tax return status is will not file, parents’ <br> type of tax return is blank, and Parent 1 income <br> plus Parent 2 income is \$26,000@ or less. | Set Automatic Zero EFC flag. |
| $!$ | 3008 | Parents filed schedule 1 is No, parents’ type of tax <br> return is 1040, parents' reported AGI is non- <br> blank, and assumed AGI (or reported AGI if no <br> assumption has been made) is \$26,000@ or less. | Set Automatic Zero EFC flag. |

## INDEPENDENT MODEL

If Student's AGI, Student's Income, Spouse's Income, and Student's Worksheet B Total are all blank, do not perform simplified needs test.

| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :---: | :--- | :--- | :--- |
|  | 3009 | One of student's Medicaid or SSI, SNAP, <br> Free/Reduced Price Lunch, TANF, WIC or <br> Dislocated Worker is Yes, and (student's reported <br> AGI is non-blank and assumed AGI (or reported <br> AGI if no assumption has been made) is less than <br> \$50,000@) or (student's reported AGI is blank <br> and student's income plus spouse's income is less <br> than \$50,000@). | Set simplified needs. |
| $!$ | 3010 | Student's type of tax return is Trust Territory (4) <br> and student's reported AGI is non-blank and <br> assumed AGI (or reported AGI if no assumption <br> has been made) is less than \$50,000@. | Set simplified needs. |


| Change <br> (!) | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
| 3011 | Student's tax return status is will not file, student's <br> type of tax return is blank, and student's income <br> plus spouse's income is less than \$50,000@. | Set simplified needs. |  |
| $!$ | 3012 | Student filed schedule 1 is No, student's type of <br> tax return is 1040, student's reported AGI is non- <br> blank and assumed AGI (or reported AGI if no <br> assumption has been made) is less than \$50,000@. | Set simplified needs. |
| 3013 | Student's marital status is married, student's <br> number of family members is greater than 2, one <br> of student's Medicaid or SSI, SNAP, <br> Free/Reduced Price Lunch, TANF, WIC or <br> Dislocated Worker is Yes, and (student's reported <br> AGI is non-blank and assumed AGI (or reported <br> AGI if no assumption has been made) is <br> \$26,000@ or less) or (student's reported AGI is <br> blank and student's income plus spouse's income <br> is \$26,000@ or less). | Set Automatic Zero EFC flag. |  |
| $!$ | 3014 | Student's marital status is married, student's <br> number of family members is greater than 2, <br> student's type of tax return is Trust Territory (4), <br> and student's reported AGI is non-blank and <br> assumed AGI (or reported AGI if no assumption <br> has been made) is \$26,000@ or less. | Set Automatic Zero EFC flag. |
| $!$ | 3016 | Student's marital status is married, student's <br> number of family members is greater than 2, <br> student filed schedule 1 is No, student's type of tax <br> return is 1040, student's reported AGI is non- <br> blank and assumed AGI (or reported AGI if no <br> assumption has been made) is \$26,000@ or less. | Set Automatic Zero EFC flag. |
|  | Student's marital status is married, student's <br> number of family members is greater than 2, <br> student's tax return status is will not file, student's <br> type of tax return is blank, and student's income <br> plus spouse's income is \$26,000@ or less. | Set Automatic Zero EFC flag. |  |
|  |  |  |  |

## Simplified Needs Test

| Change <br> (!) | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
| 3017 | Student's marital status is single, separated, or <br> divorced/widowed, student's number of family <br> members is greater than 1, one of student's <br> Medicaid or SSI, SNAP, Free/Reduced Price <br> Lunch, TANF, WIC or Dislocated Worker is Yes, <br> and (student's reported AGI is non-blank and <br> assumed AGI (or reported AGI if no assumption <br> has been made) is \$26,000@ or less) or (student's <br> reported AGI is blank and student's income plus <br> spouse's income is \$26,000@ or less). | Set Automatic Zero EFC flag. |  |
| $!$ | 3018 | Student's marital status is single, separated, or <br> divorced/widowed, student's number of family <br> members is greater than 1, student's type of tax <br> return is Trust Territory (4), and student's reported <br> AGI is non-blank and assumed AGI (or reported <br> AGI if no assumption has been made) is <br> \$26,000@ or less. | Set Automatic Zero EFC flag. |
|  | 3019 | Student's marital status is single, separated, or <br> divorced/widowed, student's number of family <br> members is greater than 1, student's tax return <br> status is will not file, student's type of tax return is <br> blank, and student's income is \$26,000@ or less. | Set Automatic Zero EFC flag. |
| $!$ | 3020 | Student's marital status is single, separated, or <br> divorced/widowed, student's number of family <br> members is greater than 1, student filed schedule 1 <br> is No, student's type of tax return is 1040 and <br> student's reported AGI is non-blank and assumed <br> AGI or reported AGI if no assumption has been <br> made) is \$26,000@ or less. | Set Automatic Zero EFC flag. |

## COMPLETE REJECT EDIT SPECIFICATIONS

Reject reason codes are alphabetic and numeric. The codes are listed below in priority order. When an application has been rejected for more than one reason, use the highest priority code.

If a value has been assumed for a data field, then the assumed value should be used for the reject edits that use that data field unless otherwise stated in the reject edit.

Invalid Date of Birth is defined as follows:

- Month is less than 01 or greater than 12
- Day is out of following range:

| Month | Valid Day Range |
| :--- | :--- |
| 01 | $01-31$ |
| 02 | $01-28$ <br> If year is divisible by 4 then 01-29 is <br> valid. |
| 03 | $01-31$ |
| 04 | $01-30$ |
| 05 | $01-31$ |
| 06 | $01-30$ |
| 07 | $01-31$ |
| 08 | $01-31$ |
| 09 | $01-30$ |
| 10 | $01-31$ |
| 11 | $01-30$ |
| 12 | $01-31$ |

Date of Birth year equal to current year is considered valid for these edits.

## 2020-2021REJECT CODES AND REASONS

| Code | Edit | Reason |
| :---: | :---: | :---: |
| 24 | 4001 | NSLDS Fraud Loan Flag is set |
| 2 | $\begin{aligned} & 4002 \\ & 4003 \\ & \hline \end{aligned}$ | All income questions blank |
| 1 | $\begin{array}{r} 4004 \\ 4005 \\ \hline \end{array}$ | Family does not qualify for simplified needs test and didn't complete supplemental data |
| 17 | 4006 | Citizenship Status blank or not eligible |
| 13 | 4007 | First and Last Name blank |
| N | 4008 | First or Last Name blank |
| 18 | 4010 | SSN not valid on SSA database |
| R | 4011 | SSN match but no Date of Birth match |
| D | 4013 | SSN match but no Name match |
| 8 | 4015 | SSN match with Date of Death |
| 5 | 4016 | Date of Birth blank or invalid |
| A | 4017 | Date of Birth year is 1900 through 1945 |
| B | 4019 | Independent Status in question because of student's age |
| 12 | 4021 | Parents' Taxes Paid greater than or equal to AGI |
| 3 | 4023 | Student's Taxes Paid greater than or equal to AGI |
| C | $\begin{aligned} & 4025 \\ & 4027 \\ & \hline \end{aligned}$ | Taxes paid greater than or equal to $40 \%$ of AGI (parent, indep. student) |
| G | 4029 | Taxes paid greater than or equal to $40 \%$ of AGI (dependent student) |
| 20 | $\begin{aligned} & 4031 \\ & 4032 \\ & 4033 \\ & 4034 \\ & 4035 \\ & \hline \end{aligned}$ | Non-filer, income meets IRS filing requirements (parent, indep. student) |
| 10 | $\begin{aligned} & 4037 \\ & 4038 \\ & \hline \end{aligned}$ | Marital Status and Number of Family Members blank |
| 4 | 4039 | Marital Status Date is greater than date signed |
| 21 | 4040 | Marital Status Date greater than or equal to application receipt date and less than or equal to transaction receipt date |
| W | $\begin{aligned} & 4042 \\ & 4044 \end{aligned}$ | Number of Family Members appears high |
| 11 | $\begin{array}{r} 4046 \\ 4047 \\ \hline \end{array}$ | Marital Status inconsistent with base year income |
| 14 | 4049 | Student's Signature missing |
| 15 | 4048 | Parent's Signature missing |
| 9 | 4050 | Dependent, Parent 1 and Parent 2 SSN blank |
| 6 | 4051 | Parent 1 SSN not valid on SSA database |
| 7 | 4052 | Parent 2 SSN not valid on SSA database |
| S | 4053 | Parent 1 SSN match but no Date of Birth match |
| T | 4055 | Parent 2 SSN match but no Date of Birth match |
| E | 4057 | Parent 1 SSN match but no name match |


| Code | Edit | Reason |
| :--- | :--- | :--- |
| F | 4059 | Parent 2 SSN match but no name match |
| J | 4061 | Parent 1 SSN all zeroes but filed tax return |
| K | 4063 | Parent 2 SSN all zeroes but filed tax return |


| Change (!) | $\begin{aligned} & \hline \text { Edit } \\ & \text { No. } \\ & \hline \end{aligned}$ | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 4001 | NSLDS Fraud Loan Flag is set to Y. | Set reject reason 24. |
|  | 4002 | Dependent and reported values for Parents' AGI, Parent 1 Income, Parent 2 Income, and Parents' Worksheet B Total are all blank. | Set reject reason 2. |
|  | 4003 | Independent and reported values for Student's AGI, Student's Income, Spouse's Income, and Student's Worksheet B Total are all blank. | Set reject reason 2. |
|  | 4004 | Dependent, simplified needs test is not met, automatic zero EFC flag is not set, Parents' Asset Threshold Exceeded is Yes or blank, and any one of reported values for supplemental data fields for parent and student are blank. <br> Supplemental data is defined as follows: <br> Parents'/Student's Cash, Savings and Checking, Parents'/Student's Real Estate/Investment Net Worth, Parents'/Student's Business/Farm Net Worth. | Set reject reason 1. |
|  | 4005 | Independent, simplified needs test is not met, automatic zero EFC flag not set, Student's Asset Threshold Exceeded is Yes or blank, and any one of reported data for supplemental data fields for students are blank. <br> Supplemental data is defined as follows: <br> Student's Cash, Savings and Checking, Student's Real Estate/Investment Net Worth, Student's Business/Farm Net Worth. | Set reject reason 1. |
|  | 4006 | Citizenship is blank or not eligible. | Set reject reason 17. |
|  | 4007 | First Name and Last Name are blank. | Set reject reason 13. |
|  | 4008 | One of First Name or Last Name is blank. | Set reject reason N . |
|  | 4009 | (One of First Name or Last Name is re-entered as blank on a correction record) or (Reject N override code is set by Financial Aid Administrator). | Suppress reject N. |


| Change <br> (!) | Edit <br> No. | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 4010 | Student SSN Match Flag equals 1 or 6. | Set reject reason 18. |
|  | 4011 | Student SSN Match Flag equals 2. | Set reject reason R. |
|  | 4012 | Date of Birth is re-entered as same value on a correction record. | Suppress reject R. |
|  | 4013 | Student SSN Match Flag equals 3. | Set reject reason D. |
|  | 4014 | First and Last Name are re-entered as same value on a correction record. | Suppress reject D. |
|  | 4015 | Student SSN Match Flag equals 5. | Set reject reason 8. |
|  | 4016 | Date of Birth is blank or day is out of range. | Set reject reason 5. |
| ! | 4017 | Date of Birth year is equal to 1900 through 1945 and Student SSN Match Flag is not equal to 4. | Set reject reason A. |
| ! | 4018 | (Date of Birth year is re-entered as same value of 1900 through 1945 on a correction record) or (Reject A override code is set by Financial Aid Administrator). | Suppress reject A. |
| ! | 4019 | Independent, Date of Birth is 09/01/2004 or greater and not out of range, answer to Orphan or Ward is "No" or blank, and Student SSN Match Flag is not equal to 4 . | Set reject reason B. |
|  | 4020 | (Date of Birth is re-entered as same value on a correction record) or (Reject B override code is set by Financial Aid Administrator). | Suppress reject B. |
|  | 4021 | Dependent, Parents' Taxes Paid is greater than zero and equal to or greater than Parents' AGI, and Parents' IRS Data Field flag for AGI or taxes paid is not equal to 1 . | Set reject reason 12. |
|  | 4022 | Reject 12 override code is set by Financial Aid Administrator. | Suppress reject 12. |
|  | 4023 | Student's Taxes Paid is greater than zero and equal to or greater than Student's AGI, and Student's IRS Data Field flag for AGI or taxes paid is not equal to 1 . | Set reject reason 3. |


| Change (!) | $\begin{array}{\|l\|} \hline \text { Edit } \\ \text { No. } \\ \hline \end{array}$ | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 4024 | Reject 3 override code is set by Financial Aid Administrator. | Suppress reject 3. |
|  | 4025 | Dependent, Parents' Taxes Paid is greater than zero, not equal to or greater than Parents' AGI, greater than or equal to $40 \%$ of Parents' AGI, Parents' IRS Data Field flag for AGI or taxes paid is not equal to 1, and Professional Judgment Flag is not set to 1 . | Set reject reason C. |
|  | 4026 | (Parents' AGI and Taxes Paid is re-entered as same value on a correction record) or (Reject C override code is set by Financial Aid Administrator). | Suppress reject C. |
|  | 4027 | Independent, Student's Taxes Paid is greater than zero, not equal to or greater than Student's AGI, greater than or equal to $40 \%$ of Student's AGI, Student's IRS Data Field flag for AGI or taxes paid is not equal to 1 , and Professional Judgment Flag is not set to 1 . | Set reject reason C. |
|  | 4028 | (Student's AGI and Taxes Paid is re-entered as same value on a correction record) or (Reject C override code is set by Financial Aid Administrator). | Suppress reject C. |
|  | 4029 | Dependent, Student's Taxes Paid is greater than zero, not equal to or greater than Student's AGI, greater than or equal to $40 \%$ of Student's AGI, Student's IRS Data Field flag for AGI or taxes paid is not equal to 1 , and Professional Judgment Flag is not set to 1 . | Set reject reason G. |
|  | 4030 | (Student's AGI and Taxes Paid is re-entered as same value on a correction record) or (Reject G override code is set by Financial Aid Administrator). | Suppress reject G. |
| ! | 4031 | Dependent; Parents' Tax Return Status is Will not file; Parents' Marital Status is never married, separated/divorced, or widowed; and Parent 1 Income or Parent 2 Income is greater than \$18,000@. | Set reject reason 20. |


| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :---: | :--- | :--- | :--- |
| $!$ | 4032 | Dependent, Parents' Tax Return Status is Will not <br> file, Parents' Marital Status is married or <br> unmarried and both parents living together, and <br> Parent 1 Income plus Parent 2 Income is greater <br> than \$24,000@. | Set reject reason 20. |
| $!$ | 4033 | Independent, Student's Tax Return Status is Will <br> not file, Student's Marital Status is single, <br> separated, or divorced/widowed, Number of <br> Family Members is 1, and Student's Income is <br> greater than \$12,000@. | Set reject reason 20. |
| $!$ | 4034 | Independent, Student's Tax Return Status is Will <br> not file, Student's Marital Status is single, <br> separated, or divorced/widowed, Number of <br> Family Members is greater than 1, and Student's <br> Income is greater than \$18,000@. | Set reject reason 20. |
| $!$ | 4035 | Independent, Student's Tax Return Status is Will <br> not file, Student's Marital Status is married, and <br> Student's Income plus Spouse's Income is greater <br> than \$24,000@. | Set reject reason 20. |
|  | 4036 | Reject 20 override code is set by Financial Aid <br> Administrator. | Suppress reject 20. |
|  | 4037 | Dependent, Parents' Marital Status is blank, and <br> Parents' Number of Family Members is blank or <br> 01. | Set reject reason 10. |
|  | 4038 | Independent, Student's Marital Status is blank, and <br> Student's Family Members is blank. | Set reject reason 10. |
|  | Application transaction and Student's Marital <br> Status Date is non-blank and (greater than the <br> Date Completed if Date Completed is non-blank) <br> or (greater than application receipt date if Date <br> Completed is blank), <br> or <br> Correction transaction and Student's Marital <br> Status Date is non-blank and greater than <br> transaction receipt date. | Set reject reason 4. |  |
|  |  | Student's Marital Status Date is corrected to date <br> that is greater than or equal to application receipt <br> date and less than or equal to transaction receipt <br> date. | Set reject reason 21. |


| Change <br> (!) | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
|  | 4041 | Reject 21 override code is set by Financial Aid <br> Administrator. | Suppress reject 21. |
|  | 4043 | Dependent, Parents' Number of Family Members <br> is 15 or more, and Professional Judgment Flag is <br> not set to 1. | Set reject reason W. |
|  | 4044 | (Parents' Number of Family Members is re- <br> entered as the same value on a correction record) <br> or (Reject W override code is set by Financial Aid <br> Administrator). | Suppress reject W. |
|  | Independent, Student's Number of Family <br> Members is 15 or more, and Professional <br> Judgment Flag is not set to 1. | Set reject reason W. |  |
|  | 4045 | (Student's Number of Family Members is re- <br> entered as the same value on a correction record) <br> or (Reject W override code is set by Financial Aid <br> Administrator). | Suppress reject W. |
|  | 4052 | Dependent, Parent 1 Income and Parent 2 Income <br> are both non-zero and non-blank, Parents' Marital <br> Status is never married, separated/divorced, or <br> widowed, and Professional Judgment Flag is not <br> set to 1. | Set reject reason 11. |
|  | 4048 | Dependent, Parent 2 SSN Match Flag is equal to 1 <br> or 6 and Parent 1 SSN Match Flag is not equal to <br> 4. | Set reject reason 7. |
|  | 4049 | Independent, Spouse's Income is non-blank and <br> non-zero, Student's Marital Status is single, <br> separated, or divorced/widowed, and Professional <br> Judgment Flag is not set to 1. | Set reject reason 11. |
|  | Dependent and parent did not sign application. | Set reject reason 15. |  |
| Student did not sign paper application. | Set reject reason 14. |  |  |
|  | 4050 | Dependent and (any one of Parent 1 SSN, Last <br> Name and Date of Birth is blank) and (any one of <br> Parent 2 SSN, Last Name and Date of Birth is <br> blank). | Set reject reason 9. |
|  |  |  |  |
|  | Dependent, Parent 1 SSN Match Flag is equal to 1 |  |  |
|  | Det reject reason 6. |  |  |
|  | 4051 |  |  |


| Change <br> (!) | $\begin{aligned} & \hline \text { Edit } \\ & \text { No. } \\ & \hline \end{aligned}$ | Condition | Procedure |
| :---: | :---: | :---: | :---: |
|  | 4053 | Dependent, Parent 1 SSN Match Flag is equal to 2 and Parent 2 SSN Match Flag is not equal to 4. | Set reject reason S. |
|  | 4054 | Dependent and Parent 1 Date of Birth is re-entered as same value on a correction record. | Suppress reject S. |
|  | 4055 | Dependent, Parent 2 SSN Match Flag is equal to 2 and Parent 1 SSN Match Flag is not equal to 4. | Set reject reason T. |
|  | 4056 | Dependent and Parent 2 Date of Birth is re-entered as same value on a correction record. | Suppress reject T. |
|  | 4057 | Dependent, Parent 1 SSN Match Flag is equal to 3 and Parent 2 SSN Match Flag is not equal to 4. | Set reject reason E. |
|  | 4058 | Dependent and Parent 1 Last Name and First Initial are re-entered as same value on a correction record. | Suppress reject E. |
|  | 4059 | Dependent, Parent 2 SSN Match Flag is equal to 3 and Parent 1 SSN Match Flag is not equal to 4. | Set reject reason F. |
|  | 4060 | Dependent and Parent 2 Last Name and First Initial are re-entered as same value on a correction record. | Suppress reject F. |
|  | 4061 | Dependent, Parent 1 SSN is all zeroes, Parent 2 SSN is blank or all zeroes, Parents' Tax Return Status is filed or will file, and Type of Tax Return is not foreign. | Set reject reason J. |
|  | 4062 | (Dependent and Parent 1 SSN is re-entered as same value on a correction record) or (Reject J override code is set by Financial Aid Administrator). | Suppress reject J. |
|  | 4063 | Dependent, Parent 2 SSN is all zeroes, Parent 1 SSN is blank or all zeroes, Parents' Tax Return Status is filed or will file, and Type of Tax Return is not foreign. | Set reject reason K. |
|  | 4064 | (Dependent and Parent 2 SSN is re-entered as same value on a correction record) or (Reject K override code is set by Financial Aid Administrator). | Suppress reject K. |

## Determination of Formula Type

The specifications in this section define which EFC formula should be used for the primary or secondary calculations.

Two calculations, a primary and a secondary, will be performed if an applicant has met the simplified needs test and has reported supplemental data that matches their model.

For dependent applicants, supplemental data is defined as follows:
Parents'/Student's Cash, Savings and Checking, Parents'/Student's Real Estate/Investment Net Worth, Parents'/Student's Business/Farm Net Worth.

For independent applicants, supplemental data is defined as follows:
Student's Cash, Savings and Checking, Student's Real Estate/Investment Net Worth, Student's Business/Farm Net Worth.

When the simplified needs test is met, the simplified calculation will always be the primary number.

If the automatic zero EFC flag is set to Y, set the primary EFC to 0 (calculate formula type, Total Income (TI), Student Total Income (STI) and FISAP Total Income (FTI) only and carry on the record). Do not calculate a secondary EFC or Alternate EFCs.

For all other records, calculate the primary EFC and secondary EFC as described below:

| Primary EFC Conditions | Procedure |
| :--- | :--- |
| If the simplified needs test is met. | Use the simplified calculation (formula type 4, <br> 5, or 6). |
| If the simplified needs test is not met. | User the full data calculation (formula type 1, 2, <br> or 3). |


| Secondary EFC Conditions | Procedure |
| :--- | :--- |
| If the simplified needs test is met and the <br> supplemental data has been completed. | Use the full data calculation (formula type 1, 2, <br> or 3). |

## Determination of EFC Formula Type

Formula \#1-Dependent
Formula \#2 - Independent without Dependents Other Than a Spouse
Formula \#3 - Independent with Dependents Other Than a Spouse
Formula \#4-Simplified Dependent
Formula \#5 - Simplified Independent without Dependents Other Than a Spouse
Formula \#6 - Simplified Independent with Dependents Other Than a Spouse
For full application data filers:

| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
| 5001 | If model is D. | Use Formula \#1. |  |
|  | 5002 | If model is I, Student's Marital Status is married, <br> and Student's Number of Family Members is less <br> than or equal to 2. | Use Formula \#2. |
|  | 5003 | If model is I, Student's Marital Status is single, <br> separated, or divorced/widowed, and Student's <br> Number of Family Members equals 1. | Use Formula \#2. |
|  | 5004 | If model is I, Student's Marital Status is married, <br> and Student's Number of Family Members is <br> greater than 2. | Use Formula \#3. |
|  | 5005 | If model is I, Student's Marital Status is single, <br> separated, or divorced/widowed, and Student's <br> Number of Family Members is greater than 1. | Use Formula \#3. |

For filers meeting simplified needs test:

| Change <br> $(!)$ | Edit <br> No. | Condition | Procedure |
| :--- | :--- | :--- | :--- |
|  | 5006 | If model is D. | Use Formula \#4. |
|  | 5007 | If model is I, Student's Marital Status is married, <br> and Student's Number of Family Members is less <br> than or equal to 2. | Use Formula \#5. |
|  | 5008 | If model is I, Student's Marital Status is single, <br> separated, or divorced/widowed, and Student's <br> Number of Family Members equals 1. | Use Formula \#5. |
|  | 5009 | If model is I, Student's Marital Status is married, <br> and Student's Number of Family Members is <br> greater than 2. | Use Formula \#6. |
|  | 5010 | If model is I, Student's Marital Status is single, <br> separated, or divorced/widowed, and Student's <br> Number of Family Members is greater than 1. | Use Formula \#6. |

## 2020-2021 EFC Formula Specifications

## Guidelines for Computations

1. Use the amounts assumed as values for the fields referred to. If no amount is assumed, use the reported amount.
2. If any field referred to is blank and has no assumed value, use zero for computation purposes.
3. Set any negative amounts on the input data to zero for computation purposes.
4. Unless otherwise specified, all calculations should be carried to 3 decimal places and then rounded to the nearest whole numbers (upward from .500 and downward from .499). Rounding should be performed after each calculation in the formula. The intermediate value that is the result of each step will not have any decimal digits.

For example, 4.5 would be rounded to $5 ; 4.499$ would be rounded to $4 ;-4.5$ would be rounded to -5 .

## EFC FORMULA 1 - DEPENDENT

STEP 1: Total Income (TI)
If parents' tax filing status is tax filer, then sum the following parents' data:
(Parents' AGI + Worksheet B Total) - Worksheet A Total $=$ TI
If parents' tax filing status is non-tax filer, then sum the following parents' data:
(Parent 1 Income + Parent 2 Income + Worksheet B Total) - Worksheet A Total $=\mathrm{TI}$

STEP 2: Allowances Against Total Income (ATI)
a) State and Other Tax Allowance (STX):

Appropriate rate from table $=\mathrm{ST} \%$
Use Parents' State of Legal Residence. If blank or invalid, use Student's State of Legal Residence. If both fields are blank or invalid, use Mailing State. If all three fields are blank or invalid, use rates for blank or invalid State.

## EFC FORMULA 1 - DEPENDENT

2020-2021 State and Other Tax Allowance

| State | Total Income <br> $0-14,999$ | Total Income <br> 15,000 or more |
| :--- | ---: | ---: |
| AK, ND, NV, SD, TN, WY | $2 \%$ | $1 \%$ |
| AL, FL, LA, MS, NM, OK, TX, WA, WV | $3 \%$ | $2 \%$ |
| AR, AZ, CO, IN, KS, MI, NH, SC | $4 \%$ | $3 \%$ |
| DE, GA, HI, IA, ID, IL, KY, MO, MT, NC, NE, OH, PA, UT | $5 \%$ | $4 \%$ |
| ME, MN, RI, VA, VT, WI | $6 \%$ | $5 \%$ |
| MA, OR, DC | $7 \%$ | $6 \%$ |
| CA, MD | $9 \%$ | $7 \%$ |
| CT, NJ, NY | $3 \%$ | $2 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, <br> NB, NF, NL, NU, NT, NS, ON, PE, PQ, QC, SK, YT |  |  |

$$
\mathrm{ST} \% \mathrm{x} \mathrm{TI}=\mathrm{STX}
$$

If STX is less than zero, set it to zero.

## EFC FORMULA 1 - DEPENDENT

!
b) Social Security Tax (SST):

Calculation from table using Parent 1 Income $=$ Parent 1 SST (FSST)
Calculation from table using Parent 2 Income $=$ Parent 2 SST (MSST)
SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

FSST $+\mathrm{MSST}=\mathrm{SST}$
SST will never be less than zero.
! c) Income Protection Allowance (IPA):
Value from table $=$ PIPA $($ Preliminary IPA $)$

| Family Size <br> (include student) | Parents' <br> Number in <br> College $=1$ | Parents' <br> Number in <br> College $=2$ | Parents' <br> Number in <br> College $=3$ | Parents' <br> Number in <br> College $=4$ | Parents' <br> Number in <br> College $=5$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | $\$ 19,080$ | $\$ 15,810$ |  |  |  |
| 3 | $\$ 23,760$ | $\$ 20,510$ | $\$ 17,250$ |  |  |
| 4 | $\$ 29,340$ | $\$ 26,080$ | $\$ 22,830$ | $\$ 19,570$ |  |
| 5 | $\$ 34,620$ | $\$ 31,350$ | $\$ 28,110$ | $\$ 24,840$ | $\$ 21,600$ |
| 6 | $\$ 40,490$ | $\$ 37,230$ | $\$ 33,980$ | $\$ 30,720$ | $\$ 27,470$ |

For each additional family member add 4,570. For each additional college student subtract 3,250.
If Parents' Number in College is 5 or less, IPA $=$ PIPA.
If Parents' Number in College is 6 or more, IPA $=$ PIPA for 5 in college $-(3,250 x$ (Parents' Number in College 5)).

NOTE: IPA will never be less than zero.
d) Employment Allowance (EA):

If Parents' Marital Status is "married" or "unmarried and both parents living together" and:

1) Parent 1 Income and Parent 2 Income are both greater than zero, then $.35 x$ (the lesser of Parent 1 Income or Parent 2 Income) = EA
2) Parent 1 Income and Parent 2 Income are not both greater than zero, $0=\mathrm{EA}$.

If Parents' Marital Status is "never married", "separated/divorced", or "widowed" and:

1) One of Parent 1 Income or Parent 2 Income is greater than zero, then .35 x Parent 1 Income or Parent 2 Income (whichever is greater than zero) = EA.
2) Neither Parent 1 Income nor Parent 2 Income is greater than zero, then $0=E A$.

If EA is greater than 4,000 , set to 4,000 .
NOTE: EA will never be less than zero.
e) If Parents' Tax Filing Status is tax filer:
Parents' Taxes Paid + SST + STX + EA + IPA = ATI

If Parents' Tax Filing Status is non-tax filer:

$$
\mathrm{SST}+\mathrm{STX}+\mathrm{EA}+\mathrm{IPA}=\mathrm{ATI}
$$

STEP 3: Available Income (AI)
TI - ATI = AI

AI may be less than zero.

## EFC FORMULA 1 - DEPENDENT

STEP 4: Discretionary Net Worth (DNW)
a) Adjusted Net Worth of Business/Farm (ANW):

Calculation from table $=$ ANW
Business \& Farm Net Worth Adjustment

| Parents' Net Worth <br> of Business/Farm | Parents' Adjusted Net Worth |
| :--- | :--- |
| Less than 1 | 0 |
| $1-135,000$ | $40 \%$ of Net Worth of Business/Farm |
| $135,001-410,000$ | 54,000 plus $50 \%$ of NW over 135,000 |
| $410,001-680,000$ | 191,500 plus $60 \%$ of NW over 410,000 |
| 680,001 or more | 353,500 plus $100 \%$ of NW over 680,000 |

b) Net Worth (NW):

ANW + Parents' Real Estate/Investment Net Worth + Parents' Cash, Savings, and Checking $=$ NW
c) Education Savings and Asset Protection Allowance (APA):

Amount from table $=\mathrm{APA}$

NOTE: If Age of Older Parent is blank, use age 45 on table.
If Age of Older Parent is less than 25, use age 25 on table.
If Age of Older Parent is greater than 65, use age 65 on table.
Education Savings and Asset Protection Allowance

| Age of Older Parent <br> as of 12/31/2020 | Allowance - Married <br> $($ PMS = 1 or 5) | Allowance - Not Married <br> $($ PMS = 2, 3, or 4) |
| :---: | :---: | :---: |
| 25 or less | 0 | 0 |
| 26 | 300 | 100 |
| 27 | 700 | 200 |
| 28 | 1,000 | 300 |
| 29 | 1,300 | 500 |
| 30 | 1,600 | 600 |
| 31 | 2,000 | 700 |
| 32 | 2,300 | 800 |
| 33 | 2,600 | 900 |
| 34 | 2,900 | 1,000 |

## EFC FORMULA 1 - DEPENDENT

| Age of Older Parent as of $12 / 31 / 2020$ | Allowance - Married (PMS = 1 or 5) | Allowance - Not Married (PMS $=2,3$, or 4 ) |
| :---: | :---: | :---: |
| 35 | 3,300 | 1,100 |
| 36 | 3,600 | 1,200 |
| 37 | 3,900 | 1,400 |
| 38 | 4,200 | 1,500 |
| 39 | 4,600 | 1,600 |
| 40 | 4,900 | 1,700 |
| 41 | 5,100 | 1,700 |
| 42 | 5,200 | 1,700 |
| 43 | 5,300 | 1,800 |
| 44 | 5,400 | 1,800 |
| 45 | 5,500 | 1,900 |
| 46 | 5,700 | 1,900 |
| 47 | 5,800 | 1,900 |
| 48 | 6,000 | 2,000 |
| 49 | 6,100 | 2,000 |
| 50 | 6,300 | 2,100 |
| 51 | 6,400 | 2,100 |
| 52 | 6,600 | 2,200 |
| 53 | 6,800 | 2,200 |
| 54 | 6,900 | 2,300 |
| 55 | 7,100 | 2,300 |
| 56 | 7,300 | 2,400 |
| 57 | 7,500 | 2,500 |
| 58 | 7,700 | 2,500 |
| 59 | 7,900 | 2,600 |
| 60 | 8,200 | 2,700 |
| 61 | 8,400 | 2,700 |
| 62 | 8,600 | 2,800 |
| 63 | 8,900 | 2,900 |
| 64 | 9,200 | 2,900 |
| 65 or over | 9,400 | 3,000 |

d) Discretionary Net Worth (DNW):

NW - APA = DNW
DNW may be less than zero.

STEP 5: Parents Contribution from Assets (PCA)
DNW x $12 \%=$ PCA

If PCA is less than zero, set it to zero.

STEP 6: Adjusted Available Income (AAI)

$$
\mathrm{AI}+\mathrm{PCA}=\mathrm{AAI}
$$

AAI may be less than zero.
! STEP 7: Total Parents' Contribution (TPC)
Calculation from table $=$ TPC
AAI Taxation Rates

| Parents' AAI | Parents' Contribution |
| :--- | :--- |
| $-3,410$ or less | -750 |
| $-3,409-17,000$ | $22 \%$ of AAI |
| $17,001-21,400$ | $3,740+25 \%$ of AAI over 17,000 |
| $21,401-25,700$ | $4,840+29 \%$ of AAI over 21,400 |
| $25,701-30,100$ | $6,087+34 \%$ of AAI over 25,700 |
| $30,101-34,500$ | $7,583+40 \%$ of AAI over 30,100 |
| 34,501 or more | $9,343+47 \%$ of AAI over 34,500 |

If TPC is less than zero, set it to zero.

STEP 8: Parents' Contribution (PC)
TPC / Parents' Number in College $=(\mathrm{PC})$

## EFC FORMULA 1 - DEPENDENT

STEP 9: Student's Total Income (STI)
If the Student's Tax Filing Status is tax filer, sum the following student data:
(Student's AGI + Worksheet B Total) - Worksheet A Total = STI
If the Student's Tax Filing Status is non-tax filer, sum the following student data:
(Student's Income + Worksheet B Total) - Worksheet A Total $=$ STI
STEP 10: Student Allowances Against Total Income (SATI)
! a) State and Other Tax Allowance (STX):
Appropriate rate from table $=\mathrm{ST} \%$
Use Student's State of Legal Residence. If Student's State of Legal Residence is blank or invalid, use Mailing State. If Mailing State is blank or invalid, use Parents' State of Legal Residence. If all three fields are blank or invalid, use rates for blank or invalid State.

2020-2021 State and Other Tax Allowance

| AK | $0 \%$ |
| :--- | :---: |
| FL, NV, NH, ND, SD, TN, TX, WA, WY | $1 \%$ |
| AL, AZ, KS, LA, MS, NM, OK | $2 \%$ |
| AR, CO, DE, GA, ID, IL, IA, IN, ME, MI, MO, MT, NC, NE, OH, PA, RI, SC, <br> UT, VT, WV | $3 \%$ |
| HI, KY, MA, VA, WI | $4 \%$ |
| CT, MN, NJ, OR | $5 \%$ |
| CA, MD DC | $6 \%$ |
| NY | $7 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, NB, NF, NL, NU, <br> NT, NS, ON, PE, PQ, QC, SK, YT | $2 \%$ |

STI $\times$ ST $\%=$ STX
If STX is less than zero, set it to zero.

## EFC FORMULA 1 - DEPENDENT

b) Social Security Tax (SST):

Calculation from table using Student's Income $=$ Student's SST $($ FSST $)$

SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

SST will never be less than zero.
c) Negative Adjusted Available Income Offset (AIO)

If Parents' AAI is negative, set to positive value $=$ AIO
If Parents' AAI is zero or positive, zero $=\mathrm{AIO}$
!
d) If Student's Tax Filing Status is tax filer:
Student's Taxes Paid + SST + STX + AIO + 6,840 = SATI

If Student's Tax Filing Status is non-tax filer:

$$
\mathrm{SST}+\mathrm{STX}+\mathrm{AIO}+6,840=\mathrm{SATI}
$$

STEP 11: Student's Income Contribution (SIC)
$($ STI - SATI $) \times .5=$ SIC
If SIC is less than zero, set it to zero.

STEP 12: Discretionary Net Worth of Student (SDNW)
a) Student's Real Estate/Investment Net Worth + Student's Business/Farm Net Worth + Student's Cash, Savings, and Checking = SDNW

STEP 13: Student Contribution from Assets (SCA)
SDNW x $.20=$ SCA

STEP 14: Expected Family Contribution (EFC)
$\mathrm{PC}+\mathrm{SIC}+\mathrm{SCA}=\mathrm{EFC}$
If EFC is greater than 999,999 , set it to 999,999 .

STEP 15: FISAP Total Income (FTI)

$$
\mathrm{TI}+\mathrm{STI}=\mathrm{FTI}
$$

## EFC FORMULA 2 - INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

STEP 1: Total Income (TI)
If Student's Tax Filing Status is tax filer, sum the following student data:
(Student's AGI + Worksheet B Total) - Worksheet A Total = TI
If Student's Tax Filing Status is non-tax filer, sum the following student data:
(Student's Income + Spouse's Income + Worksheet B Total) - Worksheet A Total = TI

STEP 2: Allowance Against Total Income (ATI)
a) State and Other Tax Allowance (STX):

Appropriate rate from table $=\mathrm{ST} \%$.

Use Student's State of Legal Residence to find State. If Student's State of Legal Residence is blank or invalid, use Mailing State. If both fields are blank or invalid, use rates for blank or invalid State.

## EFC FORMULA 2 - INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

2020-2021 State and Other Tax Allowance

| AK | $0 \%$ |
| :--- | ---: |
| FL, NV, NH, ND, SD, TN, TX, WA, WY | $1 \%$ |
| AL, AZ, KS, LA, MS, NM, OK | $2 \%$ |
| AR, CO, DE, GA, ID, IL, IA, IN, ME, MI, MO, MT, NC, NE, OH, PA, RI, SC, <br> UT, VT, WV | $3 \%$ |
| HI, KY, MA, VA, WI | $4 \%$ |
| CT, MN, NJ, OR | $5 \%$ |
| CA, MD, DC | $6 \%$ |
| NY | $7 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, NB, NF, NL, NU, <br> NT, NS, ON, PE, PQ, QC, SK, YT |  |

$\mathrm{TI} \times \mathrm{ST} \%=\mathrm{STX}$
If STX is less than zero, set it to zero.
! b) Social Security Taxes (SST)
Calculation from table using Student's Income $=$ Student's SST (FSST)
Calculation from table using Spouse's Income $=$ Spouse's SST (MSST)
$\mathrm{FSST}+\mathrm{MSST}=\mathrm{SST}$
SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

SST will never be less than zero.
! c) Income Protection Allowance (IPA):
If Student's Marital Status is "married" and number in college equals 2, then IPA $=10,640$.

If Student's Marital Status is "married" and number in college is less than 2, then IPA $=17,060$.

If Student's Marital Status is "single", "separated", or "divorced/widowed", then $\mathrm{IPA}=10,640$.

NOTE: IPA will never be less than zero.
d) Employment Allowance (EA):

If Student's Marital Status is "married" and:

1) Student's Income and Spouse's Income are both greater than zero, then .35 x (the lesser of the Student's Income or Spouse's Income) = EA.
2) Student's Income and Spouse's Income are not both greater than zero, then $E A=0$.

If Student's Marital Status is "single", "separated", or "divorced/widowed", then EA = 0 .
If EA is greater than 4,000 , set to 4,000 .
NOTE: EA will never be less than zero.
e) If Student's Tax Filing Status is tax filer:

$$
\text { Student's Taxes Paid }+ \text { STX }+ \text { SST }+ \text { IPA }+ \text { EA }=\text { ATI }
$$

If Student's Tax Filing Status is non-tax filer:

$$
\mathrm{STX}+\mathrm{SST}+\mathrm{IPA}+\mathrm{EA}=\mathrm{ATI}
$$

STEP 3: Available Income (AI)
$\mathrm{TI}-\mathrm{ATI}=\mathrm{AI}$
AI may be less than zero.

## EFC FORMULA 2 - INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

STEP 4: Contribution from Available Income (CAI)
AI x $.5=\mathrm{CAI}$
CAI may be less than zero.

STEP 5: Net Worth (NW)
! a) Adjusted Net Worth of Business and Farm (ANW):
Calculation from table $=$ ANW
Business/Farm Net Worth Adjustment

| Student's Net Worth <br> of Business/Farm | Student's Adjusted Net Worth |
| :--- | :--- |
| Less than 1 | 0 |
| $1-135,000$ | $40 \%$ of Net Worth of Business/Farm |
| $135,001-410,000$ | 54,000 plus $50 \%$ of NW over 135,000 |
| $410,001-680,000$ | 191,500 plus $60 \%$ of NW over 410,000 |
| 680,001 or more | 353,500 plus $100 \%$ of NW over 680,000 |

b) Net Worth (NW):

ANW + Student's Real Estate/Investment Net Worth + Student's Cash, Savings, and Checking $=$ NW
! STEP 6: Asset Protection Allowance (APA)
Amount from table $=\mathrm{APA}$

Asset Protection Allowance

| Student's Age as of <br> $12 / 31 / 2020$ | Allowance - Married | Allowance - Single |
| :---: | :---: | :---: |
| 25 or less | 0 | 0 |
| 26 | 300 | 100 |
| 27 | 700 | 200 |
| 28 | 1,000 | 300 |
| 29 | 1,300 | 500 |
| 30 | 1,600 | 600 |

EFC FORMULA 2 - INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

| Student's Age as of 12/31/2020 | Allowance - Married | Allowance - Single |
| :---: | :---: | :---: |
| 31 | 2,000 | 700 |
| 32 | 2,300 | 800 |
| 33 | 2,600 | 900 |
| 34 | 2,900 | 1,000 |
| 35 | 3,300 | 1,100 |
| 36 | 3,600 | 1,200 |
| 37 | 3,900 | 1,400 |
| 38 | 4,200 | 1,500 |
| 39 | 4,600 | 1,600 |
| 40 | 4,900 | 1,700 |
| 41 | 5,100 | 1,700 |
| 42 | 5,200 | 1,700 |
| 43 | 5,300 | 1,800 |
| 44 | 5,400 | 1,800 |
| 45 | 5,500 | 1,900 |
| 46 | 5,700 | 1,900 |
| 47 | 5,800 | 1,900 |
| 48 | 6,000 | 2,000 |
| 49 | 6,100 | 2,000 |
| 50 | 6,300 | 2,100 |
| 51 | 6,400 | 2,100 |
| 52 | 6,600 | 2,200 |
| 53 | 6,800 | 2,200 |
| 54 | 6,900 | 2,300 |
| 55 | 7,100 | 2,300 |
| 56 | 7,300 | 2,400 |
| 57 | 7,500 | 2,500 |
| 58 | 7,700 | 2,500 |
| 59 | 7,900 | 2,600 |
| 60 | 8,200 | 2,700 |
| 61 | 8,400 | 2,700 |
| 62 | 8,600 | 2,800 |
| 63 | 8,900 | 2,900 |
| 64 | 9,200 | 2,900 |
| 65 or over | 9,400 | 3,000 |

STEP 7: Discretionary Net Worth (DNW)
$\mathrm{NW}-\mathrm{APA}=\mathrm{DNW}$
DNW may be less than zero.

STEP 8: Student's Contribution from Assets (SCA)
DNW x $.20=$ SCA
If SCA is less than zero, set it to zero.

STEP 9: Expected Family Contribution (EFC)
$(\mathrm{CAI}+\mathrm{SCA}) /$ Student's Number in College $=\mathrm{EFC}$
If EFC is less than zero, set it to zero.
If EFC is greater than 999,999, set it to 999,999.

STEP 10: FISAP Total Income (FTI)
$\mathrm{TI}=\mathrm{FTI}$

## EFC FORMULA 3 - INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

STEP 1: Total Income (TI)
If Student's Tax Filing Status is tax filer, sum the following data:
(Student's AGI + Worksheet B Total) - Worksheet A Total = TI
If Student's Tax Filing Status is non-tax filer, sum the following data:
(Student's Income + Spouse's Income + Worksheet B Total) - Worksheet A Total = TI

STEP 2: Allowances Against Total Income (ATI)
a) State and Other Tax Allowance (STX):

Appropriate rate from table $=\mathrm{ST} \%$
Use Student's State of Legal Residence. If Student's State of Legal Residence is blank or invalid, use Mailing State. If both fields are blank or invalid, use rates for blank or invalid State.

## EFC FORMULA 3 - INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

2020-2021 State and Other Tax Allowance

| State | Total Income <br> $0-14,999$ | Total Income <br> 15,000 or more |
| :--- | ---: | ---: |
| AK, ND, NV, SD, TN, WY | $2 \%$ | $1 \%$ |
| AL, FL, LA, MS, NM, OK, TX, WA, WV | $3 \%$ | $2 \%$ |
| AR, AZ, CO, IN, KS, MI, NH, SC | $4 \%$ | $3 \%$ |
| DE, GA, HI, IA, ID, IL, KY, MO, MT, NC, NE, OH, PA, UT | $5 \%$ | $4 \%$ |
| ME, MN, RI, VA, VT, WI | $6 \%$ | $5 \%$ |
| MA, OR, DC | $7 \%$ | $6 \%$ |
| CA, MD | $9 \%$ | $7 \%$ |
| CT, NJ, NY | $3 \%$ | $2 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, <br> NB, NF, NL, NU, NT, NS, ON, PE, PQ, QC, SK, YT |  |  |

$$
\mathrm{ST} \% \mathrm{X} \mathrm{TI}=\mathrm{STX}
$$

If STX is less than zero, set it to zero.

## EFC FORMULA 3 - INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

!
b) Social Security Tax (SST):

Calculation from table using Student's Income $=$ Student's SST $($ FSST $)$
Calculation from table using Spouse's Income $=$ Spouse's SST (MSST)
SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

FSST $+\mathrm{MSST}=\mathrm{SST}$
SST will never be less than zero.
! c) Income Protection Allowance (IPA):
Value from table $=$ PIPA $($ Preliminary IPA $)$

| Family Size <br> (include student) | Student's <br> Number in <br> College $=1$ | Student's <br> Number in <br> College $=2$ | Student's <br> Number in <br> College $=3$ | Student's <br> Number in <br> College $=4$ | Student's <br> Number in <br> College $=5$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | $\$ 26,940$ | $\$ 22,340$ |  |  |  |
| 3 | $\$ 33,550$ | $\$ 28,960$ | $\$ 24,360$ |  |  |
| 4 | $\$ 41,420$ | $\$ 36,830$ | $\$ 32,250$ | $\$ 27,630$ |  |
| 5 | $\$ 48,880$ | $\$ 44,260$ | $\$ 39,680$ | $\$ 35,080$ | $\$ 30,500$ |
| 6 | $\$ 57,160$ | $\$ 52,560$ | $\$ 47,990$ | $\$ 43,360$ | $\$ 38,790$ |

For each additional family member add 6,450. For each additional college student subtract 4,580.
If Student's Number in College is 5 or less, IPA = PIPA.
If Student's Number in College is 6 or more, IPA $=$ PIPA for 5 in college - $(4,580 \mathrm{x}$ (Student's Number in College - 5)).

NOTE: IPA will never be less than zero.
d) Employment Allowance (EA):

If Student's Marital Status is "married":
.35 x (the lesser of Student's Income or Spouse's Income) $=$ EA
If Student's Marital Status is "single", "separated", or "divorced/widowed":
.35 x Student's Income $=$ EA.
If EA is greater than 4,000 , set to 4,000 .
NOTE: EA will never be less than zero.
e) If student's tax filing status is tax filer:

$$
\text { Student's Taxes Paid }+\mathrm{SST}+\mathrm{STX}+\mathrm{EA}+\mathrm{IPA}=\mathrm{ATI}
$$

If Student's Tax Filing Status is non-tax filer:

$$
\mathrm{SST}+\mathrm{STX}+\mathrm{EA}+\mathrm{IPA}=\mathrm{ATI}
$$

STEP 3: Available Income (AI)

$$
\mathrm{TI}-\mathrm{ATI}=\mathrm{AI}
$$

AI may be less than zero.

STEP 4: Discretionary Net Worth (DNW)
! a) Adjusted Net Worth of Business and Farm (ANW):
Calculation from table $=$ ANW

## EFC FORMULA 3 - INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

Business/Farm Net Worth Adjustment

| Student's Net Worth <br> of Business/Farm | Student's Adjusted Net Worth |
| :--- | :--- |
| Less than 1 | 0 |
| $1-135,000$ | $40 \%$ of Net Worth of Business/Farm |
| $135,001-410,000$ | 54,000 plus $50 \%$ of NW over 135,000 |
| $410,001-680,000$ | 191,500 plus $60 \%$ of NW over 410,000 |
| 680,001 or more | 353,500 plus $100 \%$ of NW over 680,000 |

b) Net Worth (NW):

ANW + Student's Real Estate/Investment Net Worth + Student's Cash, Savings, and Checking $=$ NW
$!$ c) Asset Protection Allowance (APA):
Amount from table $=\mathrm{APA}$

Asset Protection Allowance

| Student's Age <br> as of $12 / 31 / 2020$ | Allowance - Married | Allowance - Single |
| :---: | :---: | :---: |
| 25 or less | 0 | 0 |
| 26 | 300 | 100 |
| 27 | 700 | 200 |
| 28 | 1,000 | 300 |
| 29 | 1,300 | 500 |
| 30 | 1,600 | 600 |
| 31 | 2,000 | 700 |
| 32 | 2,300 | 800 |
| 33 | 2,600 | 900 |
| 34 | 2,900 | 1,000 |
| 35 | 3,300 | 1,100 |
| 36 | 3,600 | 1,200 |
| 37 | 3,900 | 1,400 |
| 38 | 4,200 | 1,500 |
| 39 | 4,600 | 1,600 |
| 40 | 4,900 | 1,700 |
| 41 | 5,100 | 1,700 |
| 42 | 5,200 | 1,700 |
| 43 | 5,300 | 1,800 |
| 44 | 5,400 | 1,800 |
| 45 | 5,500 | 1,900 |

## EFC FORMULA 3 - INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

| Student's Age <br> as of $12 / 31 / 2020$ | Allowance - Married | Allowance - Single |
| :---: | :---: | :---: |
| 46 | 5,700 | 1,900 |
| 47 | 5,800 | 1,900 |
| 48 | 6,000 | 2,000 |
| 49 | 6,100 | 2,000 |
| 50 | 6,300 | 2,100 |
| 51 | 6,400 | 2,100 |
| 52 | 6,600 | 2,200 |
| 53 | 6,800 | 2,200 |
| 54 | 6,900 | 2,300 |
| 55 | 7,100 | 2,300 |
| 56 | 7,300 | 2,400 |
| 57 | 7,500 | 2,500 |
| 58 | 7,700 | 2,500 |
| 59 | 7,900 | 2,600 |
| 60 | 8,200 | 2,700 |
| 61 | 8,400 | 2,700 |
| 62 | 8,600 | 2,800 |
| 63 | 8,900 | 2,900 |
| 64 | 9,200 | 2,900 |
| 65 or over | 9,400 | 3,000 |

d) Discretionary Net Worth (DNW):

NW - APA = DNW
DNW may be less than zero.

STEP 5: Student's Contribution from Assets (SCA)
DNW x 7\% = SCA
If SCA is less than zero, set it to zero.

STEP 6: Adjusted Available Income (AAI)
$\mathrm{AI}+\mathrm{SCA}=\mathrm{AAI}$
AAI may be less than zero.

## EFC FORMULA 3 - INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

! STEP 7: Total Student's Contribution (TSC)
Calculation from table $=$ TSC
AAI Taxation Rates

| Student's AAI | Student's Contribution |
| :--- | :--- |
| $-3,410$ or less | -750 |
| $-3,409-17,000$ | $22 \%$ of AAI |
| $17,001-21,400$ | $3,740+25 \%$ of AAI over 17,000 |
| $21,401-25,700$ | $4,840+29 \%$ of AAI over 21,400 |
| $25,701-30,100$ | $6,087+34 \%$ of AAI over 25,700 |
| $30,101-34,500$ | $7,583+40 \%$ of AAI over 30,100 |
| 34,501 or more | $9,343+47 \%$ of AAI over 34,500 |

If TSC is less than zero, set it to zero.

STEP 8: Expected Family Contribution (EFC)
TSC / Student's Number in College $=$ EFC
If EFC is greater than 999,999, set it to 999,999.

STEP 9: FISAP Total Income (FTI)
$\mathrm{TI}=\mathrm{FTI}$

STEP 1: Total Income (TI)
If Parents' Tax Filing Status is tax filer, then sum the following parents' data:
(Parents' AGI + Worksheet B Total) - Worksheet A Total = TI
If Parents' Tax Filing Status is non-tax filer, then sum the following parents' data:
(Parent 1 Income + Parent 2 Income + Worksheet B Total) - Worksheet A Total $=$ TI

STEP 2: Allowances Against Total Income (ATI)
a) State and Other Tax Allowance (STX):

Appropriate rate from table $=\mathrm{ST} \%$.

Use Parents' State of Legal Residence. If Parents' Legal State of Residence is blank or invalid, use Student's State of Legal Residence. If both fields are blank or invalid, use Mailing State. If all three fields are blank or invalid, use rates for blank or invalid State.

## EFC FORMULA 4 - SIMPLIFIED DEPENDENT

2020-2021 State and Other Tax Allowance

| State | Total Income <br> $0-14,999$ | Total Income <br> 15,000 or more |
| :--- | ---: | ---: |
| AK, ND, NV, SD, TN, WY | $2 \%$ | $1 \%$ |
| AL, FL, LA, MS, NM, OK, TX, WA, WV | $3 \%$ | $2 \%$ |
| AR, AZ, CO, IN, KS, MI, NH, SC | $4 \%$ | $3 \%$ |
| DE, GA, HI, IA, ID, IL, KY, MO, MT, NC, NE, OH, PA, UT | $5 \%$ | $4 \%$ |
| ME, MN, RI, VA, VT, WI | $6 \%$ | $5 \%$ |
| MA, OR, DC | $7 \%$ | $6 \%$ |
| CA, MD | $8 \%$ | $7 \%$ |
| CT, NJ, NY | $3 \%$ | $8 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, NB, <br> NF, NL, NU, NT, NS, ON, PE, PQ, QC, SK, YT |  | $2 \%$ |

$$
\mathrm{ST} \% \mathrm{X} \mathrm{TI}=\mathrm{STX}
$$

If STX is less than zero, set it to zero.
b) Social Security Tax (SST):

Calculation from table using Parent 1 Income $=$ Parent 1 SST (FSST)
Calculation from table using Parent 2 Income $=$ Parent 2 SST (MSST)

## SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

FSST + MSST $=$ SST
SST will never be less than zero.
! c) Income Protection Allowance (IPA):
Value from table $=$ PIPA $($ Preliminary IPA $)$

| Family Size <br> (include student) | Parents' <br> Number in <br> College $=1$ | Parents' <br> Number in <br> College $=2$ | Parents' <br> Number in <br> College $=3$ | Parents' <br> Number in <br> College $=4$ | Parents' <br> Number in <br> College $=5$ |
| :---: | ---: | ---: | ---: | ---: | ---: |
| 2 | $\$ 19,080$ | $\$ 15,810$ |  |  |  |
| 3 | $\$ 23,760$ | $\$ 20,510$ | $\$ 17,250$ |  |  |
| 4 | $\$ 29,340$ | $\$ 26,080$ | $\$ 22,830$ | $\$ 19,570$ |  |
| 5 | $\$ 34,620$ | $\$ 31,350$ | $\$ 28,110$ | $\$ 24,840$ | $\$ 21,600$ |
| 6 | $\$ 40,490$ | $\$ 37,230$ | $\$ 33,980$ | $\$ 30,720$ | $\$ 27,470$ |

For each additional family member add 4,570. For each additional college student subtract 3,250.
If Parents' Number in College is 5 or less, IPA $=$ PIPA.
If Parents' Number in College is 6 or more, IPA $=$ PIPA for 5 in college - $(3,250 \times$ (Parents' Number in College 5)).

NOTE: IPA will never be less than zero.
d) Employment Allowance (EA):

If Parents' Marital Status is "married" or "unmarried and both parents living together" and:

1) Parent 1 Income and Parent 2 Income are both greater than zero, then $.35 \times$ (the lesser of Parent 1 Income or Parent 2 Income) $=$ EA
2) Parent 1 Income and Parent 2 Income are not both greater than zero, then $0=E A$.

If Parents' Marital Status is "never married," "separated/divorced," or "widowed" and:

1) One of Parent 1 Income or Parent 2 Income is greater than zero, then $.35 \times$ Parent 1 Income or Parent 2 Income (whichever is greater than zero) =EA.
2) Neither Parent 1 Income nor Parent 2 Income is greater than zero, then $0=E A$.

If EA is greater than 4,000 , set to 4,000 .
NOTE: EA will never be less than zero.
e) If Parents' Tax Filing Status is tax filer:
Parents' Taxes Paid + SST + STX + EA + IPA = ATI

If Parents' Tax Filing Status is non-tax filer:

$$
\mathrm{SST}+\mathrm{STX}+\mathrm{EA}+\mathrm{IPA}=\mathrm{ATI}
$$

STEP 3: Available Income (AI)
$\mathrm{TI}-\mathrm{ATI}=\mathrm{AI}$

AI may be less than zero.
! STEP 4: Total Parents' Contribution (TPC)
Calculation from table $=\mathrm{TPC}$
AAI Taxation Rates
NOTE: AI = AAI

| Parents' AAI | Parents' Contribution |
| :--- | :--- |
| $-3,410$ or less | -750 |
| $-3,409-17,000$ | $22 \%$ of AAI |
| $17,001-21,400$ | $3,740+25 \%$ of AAI over 17,000 |
| $21,401-25,700$ | $4,840+29 \%$ of AAI over 21,400 |
| $25,701-30,100$ | $6,087+34 \%$ of AAI over 25,700 |
| $30,101-34,500$ | $7,583+40 \%$ of AAI over 30,100 |
| 34,501 or more | $9,343+47 \%$ of AAI over 34,500 |

If TPC is less than zero, set it to zero.

STEP 5: Parents' Contribution (PC)
TPC / Parents' Number in College $=P C$

STEP 6: Student's Total Income (STI)
If Student's Tax Filing Status is tax filer, sum the following student data:
(Student's AGI + Worksheet B Total) - Worksheet A Total = STI
If Student's Tax Filing Status is non-tax filer, sum the following student data:
(Student's Income + Worksheet B Total) - Worksheet A Total = STI

STEP 7: Student Allowances Against Total Income (SATI)
! a) State and Other Tax Allowance (STX):
Appropriate rate from table $=\mathrm{ST} \%$

Use Student's State of Legal Residence. If Student's State of Legal Residence is blank or invalid, use Mailing State. If Mailing State is blank or invalid, use Parents' State of Legal Residence. If all three fields are blank or invalid, use rates for blank or invalid State.

2020-2021State and Other Tax Allowance

| AK | $0 \%$ |
| :--- | :---: |
| FL, NV, NH, ND, SD, TN, TX, WA, WY | $1 \%$ |
| AL, AZ, KS, LA, MS, NM, OK | $2 \%$ |
| AR, CO, DE, GA, ID, IL, IA, IN, , ME, MI, MO, MT, NC, NE, OH, PA, RI, SC, <br> UT, VT, WV | $3 \%$ |
| HI, KY, MA, VA, WI | $4 \%$ |
| CT, MN, NJ, OR | $5 \%$ |
| CA, MD, DC | $6 \%$ |
| NY | $7 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, NB, NF, NL, NU, <br> NT, NS, ON, PE, PQ, QC, SK, YT |  |

$$
\mathrm{STI} \times \mathrm{ST} \%=\mathrm{STX}
$$

If STX is less than zero, set it to zero.
b) Social Security Tax (SST):

Calculation from table using Student's Income = Student's SST

SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

SST will never be less than zero.
c) Negative Available Income Offset (AIO)

If Parents' AI is negative, set to positive value $=\mathrm{AIO}$
If Parents' AI is zero or positive, zero $=\mathrm{AIO}$
! d) If Student's Tax Filing Status is tax filer:
Student's Taxes Paid + SST + STX + AIO $+6,840=$ SATI
If Student's Tax Filing Status is non-tax filer:

$$
\mathrm{SST}+\mathrm{STX}+\mathrm{AIO}+6,840=\mathrm{SATI}
$$

STEP 8: Student's Income Contribution (SIC)

$$
(\mathrm{STI}-\mathrm{SATI}) \times .5=\text { SIC }
$$

If SIC is less than zero, set it to zero.

STEP 9: Expected Family Contribution (EFC)
$\mathrm{PC}+\mathrm{SIC}=\mathrm{EFC}$
If EFC is greater than 999,999 , set it to 999,999 .

STEP 10: FISAP Total Income (FTI)

$$
\mathrm{TI}+\mathrm{STI}=\mathrm{FTI}
$$

## 2020-2021 Software Developers' Specifications <br> EFC FORMULA 5 - SIMPLIFIED INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

STEP 1: Total Income (TI)

If Student's Tax Filing Status is tax filer, sum the following student data:
(Student's AGI + Worksheet B Total) - Worksheet A Total = TI

If Student's Tax Filing Status is non-tax filer, sum the following student data:
(Student's Income + Spouse's Income + Worksheet B Total) - Worksheet A Total = TI

## STEP 2: Allowances Against Total Income (ATI)

a) State and Other Tax Allowance (STX):

Appropriate rate from table $=\mathrm{ST} \%$
Use Student's State of Legal Residence to find State. If Student's State of Legal Residence is blank or invalid, use Mailing State. If both fields are blank or invalid, use rates for blank or invalid State.

## EFC FORMULA 5 - SIMPLIFIED INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

2020-2021 State and Other Tax Allowance

| AK | $0 \%$ |
| :--- | ---: |
| FL, NV, NH, ND, SD, TN, TX, WA, WY | $1 \%$ |
| AL, AZ, KS, LA, MS, NM, OK | $2 \%$ |
| AR, CO, DE, GA, ID, IL, IA, IN, ME, MI, MO, MT, NC, NE, OH, RI, PA, SC, <br> UT, VT, WV | $3 \%$ |
| HI, KY, MA, VA, WI | $4 \%$ |
| CT, MN, NJ, OR | $5 \%$ |
| CA, MD, DC | $6 \%$ |
| NY | $7 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, NB, NF, NL, NU, <br> NT, NS, ON, PE, PQ, QC, SK, YT |  |

TI x ST\% = STX

If STX is less than zero, set it to zero.
b) Social Security Taxes (SST)

Calculation from table using Student's Income = Student's SST (FSST)
Calculation from table using Spouse's Income $=$ Spouse's SST (MSST)

FSST + MSST $=$ SST
SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

SST will never be less than zero.

## EFC FORMULA 5 - SIMPLIFIED INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A

 SPOUSE! c) Income Protection Allowance (IPA):
If Student's Marital Status is "married" and number in college equals 2 , then IPA = 10,640.
If Student's Marital Status is "married" and number in college is less than 2 , then IPA $=17,060$.
If Student's Marital Status is "single", "separated", or divorced/widowed", then IPA = 10,640.
NOTE: IPA will never be less than zero.
d) Employment Allowance (EA)

If Student's Marital Status is "married" and:

1) Student's Income and Spouse's Income are both greater than zero, then .35 x (the lesser of Student's Income or Spouse's Income) = EA.
2) If Student's Income and Spouse's Income are not both greater than zero, then $E A=0$.

If Student's Marital Status is "single", "separated", or "divorced/widowed", then EA = 0 .
If EA is greater than 4,000 , set to 4,000 .
NOTE: EA will never be less than zero.
e) If Student's Tax Filing Status is tax filer:

$$
\text { Student's Taxes Paid }+ \text { STX }+ \text { SST }+ \text { IPA }+ \text { EA }=\text { ATI }
$$

If Student's Tax Filing Status is non-tax filer:
$\mathrm{STX}+\mathrm{SST}+\mathrm{IPA}+\mathrm{EA}=\mathrm{ATI}$

STEP 3: Available Income (AI)
$\mathrm{TI}-\mathrm{ATI}=\mathrm{AI}$
AI may be less than zero.

EFC FORMULA 5 - SIMPLIFIED INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

STEP 4: Contribution from Available Income (CAI)
AI x $.5=\mathrm{CAI}$
CAI may be less than zero.

STEP 5: Expected Family Contribution (EFC)
CAI / Student's Number in College $=$ EFC
If EFC is less than zero, set it to zero.
If EFC is greater than 999,999 , set it to 999,999 .
STEP 6: FISAP Total Income (FTI)
TI = FTI

STEP 1: Total Income (TI)
If student's tax filing status is tax filer, sum the following student data:
(Student's AGI + Worksheet B Total) - Worksheet A Total = TI
If Student's Tax Filing Status is non-tax filer, sum the following student data:
(Student's Income + Spouse's Income + Worksheet B Total) - Worksheet A Total = TI

STEP 2: Allowances Against Total Income (ATI)
a) State and Other Tax Allowance (STX):

Appropriate rate from table $=\mathrm{ST} \%$.
Use Student's State of Legal Residence. If Student's State of Legal Residence is blank or invalid, use Mailing State. If both fields are blank or invalid, use rates for blank or invalid State.

## EFC FORMULA 6 - SIMPLIFIED INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

2020-2021 State and Other Tax Allowance

| State | Total Income <br> $0-14,999$ | Total Income <br> 15,000 or more |
| :--- | ---: | ---: |
| AK, ND, NV, SD, TN, WY | $2 \%$ | $1 \%$ |
| AL, FL, LA, MS, NM, OK, TX, WA, WV | $3 \%$ | $2 \%$ |
| AR, AZ, CO, IN, KS, MI, NH, SC | $4 \%$ | $3 \%$ |
| DE, GA, HI, IA, ID, IL, KY, MO, MT, NC, NE, OH, PA, UT | $5 \%$ | $4 \%$ |
| ME, MN, RI, VA, VT, WI | $6 \%$ | $5 \%$ |
| MA, OR, DC | $7 \%$ | $6 \%$ |
| CA, MD | $9 \%$ | $7 \%$ |
| CT, NJ, NY | $3 \%$ | $8 \%$ |
| BLANK OR INVALID STATE, AA, AE, AP, AS, <br> CN, FC, FM, GU, MH, MP, MX, PR, PW, VI, AB, BC, MB, <br> NB, NF, NL, NU, NT, NS, ON, PE, PQ, QC, SK, YT |  | $2 \%$ |

ST\% X TI = STX

If STX is less than zero, set it to zero.

## EFC FORMULA 6 - SIMPLIFIED INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

b) Social Security Tax (SST):

Calculation from table using Student's Income $=$ Student's SST (FSST)
Calculation from table using Spouse's Income = Spouse's SST (MSST)
SST Calculation Table

| Income | Social Security Tax |
| :--- | :--- |
| $0-128,400$ | $7.65 \%$ of income |
| $128,401-200,000$ | $9,823+1.45 \%$ of amount over 128,400 |
| 200,001 or greater | $10,861+2.35 \%$ of amount over 200,000 |

FSST $+\mathrm{MSST}=\mathrm{SST}$

SST will never be less than zero.
! c) Income Protection Allowance (IPA):
Value from table $=$ PIPA $($ Preliminary IPA $)$

| Family Size <br> (include student) | Student's <br> Number in <br> College $=1$ | Student's <br> Number in <br> College $=2$ | Student's <br> Number in <br> College $=3$ | Student's <br> Number in <br> College $=4$ | Student's <br> Number in <br> College $=5$ |
| :---: | ---: | ---: | ---: | ---: | ---: |
| 2 | $\$ 26,940$ | $\$ 22,340$ |  |  |  |
| 3 | $\$ 33,550$ | $\$ 28,960$ | $\$ 24,360$ |  |  |
| 4 | $\$ 41,420$ | $\$ 36,830$ | $\$ 32,250$ | $\$ 27,630$ |  |
| 5 | $\$ 48,880$ | $\$ 44,260$ | $\$ 39,680$ | $\$ 35,080$ | $\$ 30,500$ |
| 6 | $\$ 57,160$ | $\$ 52,560$ | $\$ 47,990$ | $\$ 43,360$ | $\$ 38,790$ |

For each additional family member add 6,450 . For each additional college student subtract 4,580.
If Student's Number in College is 5 or less, IPA $=$ PIPA.
If Student's Number in College is 6 or more, IPA $=$ PIPA for 5 in college $-(4,580 \times$ (Student's Number in College $-5)$ ).

NOTE: IPA will never be less than zero.
d) Employment Allowance (EA):

If Student's Marital Status is "married":
.35 x (the lesser of Student's Income or Spouse's Income) $=$ EA
If Student's Marital Status is "single", "separated", or "divorced/widowed":
.35 x Student's Income $=$ EA.
If EA is greater than 4,000 , set to 4,000 .
NOTE: EA will never be less than zero.
e) If Student's Tax Filing Status is tax filer:

$$
\text { Student's Taxes Paid }+ \text { SST }+ \text { STX }+ \text { EA }+ \text { IPA }=\text { ATI }
$$

If Student's Tax Filing Status is non-tax filer:

$$
\mathrm{SST}+\mathrm{STX}+\mathrm{EA}+\mathrm{IPA}=\mathrm{ATI}
$$

STEP 3: Available Income (AI)
$\mathrm{TI}-\mathrm{ATI}=\mathrm{AI}$

AI may be less than zero.

## EFC FORMULA 6 - SIMPLIFIED INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

! STEP 4: Total Student Contribution (TSC)
Calculation from table $=$ TSC
AAI Taxation Rates
NOTE: AI = AAI

| Student's AAI | Student's Contribution |
| :--- | :--- |
| $-3,410$ or less | -750 |
| $-3,409-17,000$ | $22 \%$ of AAI |
| $17,001-21,400$ | $3,740+25 \%$ of AAI over 17,000 |
| $21,401-25,700$ | $4,840+29 \%$ of AAI over 21,400 |
| $25,701-30,100$ | $6,087+34 \%$ of AAI over 25,700 |
| $30,101-34,500$ | $7,583+40 \%$ of AAI over 30,100 |
| 34,501 or more | $9,343+47 \%$ of AAI over 34,500 |

If TSC is less than zero, set it to zero.

STEP 5: Expected Family Contribution (EFC)
TSC / Student's Number in College $=$ EFC
If EFC is greater than 999,999 , set it to 999,999 .

STEP 6: FISAP Total Income (FTI)
$\mathrm{TI}=\mathrm{FTI}$

## ALTERNATE EFC CALCULATIONS

Use primary EFC formula type and values to calculate alternate primary EFC's, and secondary formula type and values to calculate alternate secondary EFC's.

## ALTERNATE EFC FORMULA \#1 - DEPENDENT

STEP 1: EFC's for less than 9 months
PC / $9=$ Monthly PC
SIC/9 = Monthly SIC
Monthly PC + Monthly SIC + SCA = EFC1
(Monthly PC x 2) $+($ Monthly SIC x 2$)+\mathrm{SCA}=\mathrm{EFC} 2$
$($ Monthly PC x 3$)+($ Monthly SIC x 3$)+$ SCA $=$ EFC3
(Monthly PC x 4) $+($ Monthly SIC x 4$)+$ SCA $=$ EFC 4
(Monthly PC x 5) $+($ Monthly SIC x 5$)+$ SCA $=$ EFC 5
(Monthly PC x 6) $+($ Monthly SIC x 6$)+$ SCA $=$ EFC6
(Monthly PC x 7) $+($ Monthly SIC x 7) + SCA $=$ EFC7
(Monthly PC x 8$)+($ Monthly SIC x 8$)+$ SCA $=$ EFC8

STEP 2: EFC's for greater than 9 months
! a) Alternate $\mathrm{AAI}=5,280+\mathrm{AAI}$
b) Alternate TPC = Calculation from table in EFC Formula 1, STEP 7 using Alternate AAI
c) Alternate TPC / Parents' Number in College = Alternate PC
d) $($ Alternate $\mathrm{PC}-\mathrm{PC}) / 12=$ Monthly PC
e) Monthly PC $+\mathrm{PC}+\mathrm{SIC}+\mathrm{SCA}=\mathrm{EFC} 10$
(Monthly PC x 2) $+\mathrm{PC}+\mathrm{SIC}+\mathrm{SCA}=\mathrm{EFC} 11$
(Monthly PC x 3) $+\mathrm{PC}+\mathrm{SIC}+\mathrm{SCA}=\mathrm{EFC} 12$

ALTERNATE EFC FORMULA \#2 - INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

If EFC is 0 , alternate EFC for $1-12$ will be the same as EFC.
EFC / 9 = Monthly EFC
Monthly EFC = EFC1
Monthly EFC x $2=$ EFC2
Monthly EFC x $3=$ EFC3
Monthly EFC x $4=$ EFC4
Monthly EFC x $5=$ EFC5
Monthly EFC x $6=$ EFC6
Monthly EFC x $7=$ EFC7
Monthly EFC x $8=$ EFC8
$\mathrm{EFC}=\mathrm{EFC} 10$
$\mathrm{EFC}=\mathrm{EFC} 11$
$\mathrm{EFC}=\mathrm{EFC} 12$

If EFC is 0 , alternate EFC for $1-12$ will be the same as EFC .
EFC / 9 = Monthly EFC
Monthly EFC = EFC1
Monthly EFC x $2=$ EFC2
Monthly EFC x $3=$ EFC3
Monthly EFC x $4=$ EFC4
Monthly EFC x $5=$ EFC5
Monthly EFC x $6=$ EFC6
Monthly EFC x $7=$ EFC7
Monthly EFC x $8=$ EFC8
$\mathrm{EFC}=\mathrm{EFC} 10$
$\mathrm{EFC}=\mathrm{EFC} 11$
$\mathrm{EFC}=\mathrm{EFC} 12$

STEP 1: EFC's for less than 9 months
PC / $9=$ Monthly PC
SIC/9 = Monthly SIC
Monthly PC + Monthly SIC = EFC1
(Monthly PC x 2$)+($ Monthly SIC x 2$)=$ EFC2
$($ Monthly PC x 3$)+($ Monthly SIC x 3$)=$ EFC3
$($ Monthly PC x 4$)+($ Monthly SIC x 4$)=$ EFC4
$($ Monthly PC x 5$)+($ Monthly SIC x 5$)=$ EFC5
$($ Monthly PC x 6$)+($ Monthly SIC x 6$)=$ EFC6
(Monthly PC x 7) + (Monthly SIC x 7) = EFC7
$($ Monthly PC x 8$)+($ Monthly SIC x 8$)=$ EFC8

STEP 2: EFC's for greater than 9 months
! a) Alternate $\mathrm{AAI}=\mathrm{AI}+5,280$
b) Alternate TPC $=$ Calculation from table in EFC Formula 4, STEP 4, using Alternate AAI
c) Alternate TPC / Parents' Number in College $=$ Alternate PC
d) $($ Alternate PC - PC) $/ 12=$ Monthly PC
e) Monthly PC + PC + SIC $=$ EFC10
(Monthly PC x 2 ) + PC + SIC $=$ EFC11
(Monthly PC x 3) $+\mathrm{PC}+\mathrm{SIC}=\mathrm{EFC} 12$

ALTERNATE EFC FORMULA \#5 - SIMPLIFIED INDEPENDENT WITHOUT DEPENDENTS OTHER THAN A SPOUSE

If EFC is 0 , alternate EFC for $1-12$ will be the same as EFC .

## EFC / 9 = Monthly EFC

> Monthly EFC = EFC1
> Monthly EFC x $2=\mathrm{EFC} 2$
> Monthly EFC $3=\mathrm{EFC} 3$
> Monthly EFC $4=\mathrm{EFC} 4$
> Monthly EFC $55=\mathrm{EFC}$
> Monthly EFC $\times 6=\mathrm{EFC} 6$
> Monthly EFC $4=\mathrm{EFC} 7$
> Monthly EFC x $8=\mathrm{EFC} 8$
> $\mathrm{EFC}=\mathrm{EFC} 10$
> $\mathrm{EFC}=\mathrm{EFC} 11$
> $\mathrm{EFC}=\mathrm{EFC} 12$

ALTERNATE EFC FORMULA \#6 - SIMPLIFIED INDEPENDENT WITH DEPENDENTS OTHER THAN A SPOUSE

If EFC is 0 , alternate EFC for $1-12$ will be the same as EFC.
EFC / $9=$ Monthly EFC
Monthly EFC = EFC1
Monthly EFC x $2=$ EFC2
Monthly EFC x $3=$ EFC3
Monthly EFC x $4=$ EFC4
Monthly EFC x $5=$ EFC5
Monthly EFC x $6=$ EFC6
Monthly EFC x $7=$ EFC7
Monthly EFC x $8=$ EFC8
$\mathrm{EFC}=\mathrm{EFC} 10$
$\mathrm{EFC}=\mathrm{EFC} 11$
$\mathrm{EFC}=\mathrm{EFC} 12$

