

The Common Origination and Disbursement System (COD) Technical Reference includes information for schools using the COD System. School Participants use the XML Common Record to submit Pell Grant, TEACH Grant, and/or Direct Loan data to COD.

The 2019-2020 COD Technical Reference contains message classes, edits, record layouts, implementation guides, and supporting information for Pell Grant, TEACH and Direct Loan Users.

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How to Use This Technical Reference

The *2019-2020 COD Technical Reference* is an operational guide that informs schools, vendors, and third-party servicers how to transmit Pell Grant, TEACH Grant, and Direct Loan Origination and Disbursement data to the COD System.

In particular, this Technical Reference provides the record layout and data elements that are required for the COD System to successfully process submitted records as well as the record layout and data elements for responses that are returned to participants by the COD System.

The information provided in this Technical Reference is not intended to reflect all Federal regulations that govern the Pell Grant, TEACH Grant, and Direct Loan programs and with which all participants must comply. As such, schools, vendors, and third-party servicers must refer to these regulations and documents such as the *Federal Student Aid Handbook* and Dear Colleague Letters for guidance on regulatory compliance.

Document Structure

The *2019-2020 COD Technical Reference* is comprised of six separate volumes that contain key 2019-2020 development information for COD Users. To use the technical reference effectively, choose the appropriate volume for your needs. Each volume has its own table of contents and individual sections.

Volume I: Getting Started

- Volume I Table of Contents
- Section 1: Document Standards
- Section 2: COD Overview of Changes from 2018-2019 to 2019-2020
- Section 3: COD Overview for Users

Volume II: Common Record Technical Reference

- Volume II Table of Contents
- Section 1: Implementation Guide
- Section 2: Message Classes
- Section 3: Common Record Layout
- Section 4: Edit Codes and Descriptions

Volume III: Pell Grant, TEACH Grant & Direct Loan Combination System Supplement

- Volume III Table of Contents
- Section 1: Combination System Implementation Guide
- Section 2: Combination System Message Classes
- Section 3: Combination System Record Layouts
- Section 4: Combination System Edit Codes and Descriptions

Volume IV: Direct Loan Tools

- Volume IV Table of Contents
- Section 1: Direct Loan (DL) Tools for Windows, available
- Section 2: DL Tools Message Classes
- Section 3: DL Tools Record Layouts
- Section 4: DL Tools Reports

Volume V: School Testing Guides

- Volume V Table of Contents
- Section 1: COD School Testing Guide

- Section 2: COD Test Cases

Volume VI: Appendices

- Volume VI Table of Contents
- Section 1: Glossary of Terms
- Section 2: Funding Methods
- Section 4: State, Jurisdiction, Country, Codes
- Section 5: System Security
- Section 6: XML Examples
- Section 7: Print Specifications and Forms
- Section 8: COD Reports

Volume VII: System Generated Responses

- Volume VII – Table of Contents
- Volume VII, Section 1 – COD System Generated XML Response File Instructions
- Volume VII, Section 2 – AC Doc Type Example
- Volume VII, Section 2 – AC TEACH Exit Counseling Example
- Volume VII, Section 3 – AT Doc Type Example
- Volume VII, Section 4 – BN Doc Type Example
- Volume VII, Section 6 – EC Doc Type Example
- Volume VII, Section 7 – ND Doc Type Example
- Volume VII, Section 7 – ND Iraq Afghanistan Service Grant Doc Type Example
- Volume VII, Section 8 – PN Doc Type Example
- Volume VII, Section 9 – PS Doc Type Example
- Volume VII, Section 10 – SP Parent PLUS Doc Type Example
- Volume VII, Section 11 – SP Grad PLUS Doc Type Example
- Volume VII, Section 12 – OF Doc Type Example
- Volume VII, Section 13 – CS Doc Type Example
- Volume VII, Section 14 – SU Doc Type Example

Document Conventions

The *COD Technical Reference* update for the 2019-2020 Award Year features many new and exciting changes. The following design conventions have been applied to help distinguish between the information presented within this document.

Notes & Updates

Notes and updates are now placed in the margins, as well as important changes to system functionality.

Code Samples

All code samples, field names, and field values are now distinguished from regular text by their font face, *Courier New*. Extended snippets of code are presented in the following manner:

```
<DLLoanInformation AwardKey="1">
  <OriginationFeePercent>1.068</OriginationFeePercent>
  <InterestRebatePercent>0</InterestRebatePercent>
  <DisclosureStatementPrintCode>Y</DisclosureStatementPrintCode>
  <StudentLevelCode>1</StudentLevelCode>
  <FinancialAwardBeginDate>2016-09-01</FinancialAwardBeginDate>
  <FinancialAwardEndDate>2017-05-15</FinancialAwardEndDate>
  <AcademicYearBeginDate>2016-09-01</AcademicYearBeginDate>
  <AcademicYearEndDate>2017-05-15</AcademicYearEndDate>
</DLLoanInformation>
```

Calculations

Calculations have been highlighted and are presented in the following manner:

Eligibility Used Calculation

$$\text{EU \%} = 100\% \times (\text{Sum of Actual Disbursements of Award} - \text{DMCS Repayments of Award}) \\ \div \text{Scheduled Award Amount}$$

Viewing & Printing the Document

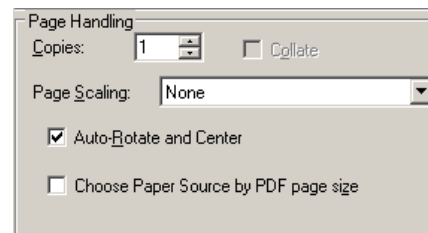
Updates to this document can be found posted on the following websites:

- FSA Download,
 - <https://fsadownload.ed.gov>
 - Provides PDF format
- IFAP,
 - <http://ifap.ed.gov/ifap/byAwardYear.jsp?type=codtechref&display=single>
 - Provides PDF format

Auto-Rotating

A number of documents in this Technical Reference will contain sections that are oriented differently, utilizing both landscape and portrait orientations to maximize usability. Some printers may not be automatically configured to print both orientations.

The user may have to configure the printer to auto-rotate the pages. This option can be set immediately before sending the document to the printer by selecting the “Auto-Rotate and Center” option:



Printing Double-Sided

This document is best printed in black and white on a printer that is capable of printing double-sided. Double-sided printing will ensure the mirror-margins appear correctly.

Alternatively, if your printer is unable to print double-sided, you can make sure your document is printed properly by following these suggested steps:

1. Print all even pages of the document
2. Load the even pages into the printer.
3. Print all odd pages of the document.

It is helpful to determine the paper orientation required to print on both sides properly so that the odd pages are not on the same side as the even pages or upside-down.

Please note that printing odd pages first, then even pages, may result in the entire document being collated backwards.

COD School Relations

If you have any questions regarding the information contained in this document, please contact the COD School Relations Center at the following phone number:

- COD School Relations Center: 1-800-848-0978

The COD School Relations Center can also be contacted via live chat on [COD Web](#), upon login.

Staff is available Monday through Friday, 8am-11pm Eastern Time. Or, please email COD Customer Service at CODSupport@ed.gov.