

August 18, 2020

DISTRIBUTED DATA COLLECTION (DDC) FOR RISK  
ADJUSTMENT (RA) INCLUDING HIGH COST RISK  
POOL (HCRP):

EDGE SERVER 33.0 MAINTENANCE RELEASE  
DETAIL

## EDGE Server Webinar Series X

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# Agenda

- External Data Gathering Environment (EDGE) Server 33.0 Maintenance Release Detail
- Question and Answer (Q&A)
- Resources
- Closing Remarks

# EDGE Server 33.0 Maintenance Release Detail

# EDGE 33.0 Update

- CMS is in the planning and development stages of EDGE release 33.0 which is tentatively scheduled for deployment on the following date:
  - Production, Test, and Validation Zones: September 25, 2020
- The following items will be updated in the release to improve operational efficiency:
  - Software Upgrades
    - Issuers must upgrade following the deployment of EDGE 33.0
    - Failure to upgrade will result in work stoppage on EDGE
  - Creation of the EDGE Server Simulation Zone

# EDGE 33.0 Detail: Software Upgrades

- EDGE Software Upgrades
  - Upgrade Oracle JDK 1.8 to Open JDK 1.8 U262
  - Upgrade MySQL 5.7 to MySQL 8.0.20/21
- Timing
  - September 2020: CMS sends issuers an invitation email to provide the timing of the software upgrades. An upgrade job aid will be included in the email
  - September 25, 2020: CMS deploys EDGE 33.0 which issuers must execute immediately
  - September 26 - October 12, 2020\*: Issuers must complete upgrades

**\*Issuers cannot submit EDGE server data unless they have successfully completed the EDGE software upgrade.**

# EDGE 33.0 Detail: Software Upgrades (continued)

- Frequently Asked Questions:
  - Q: Is EDGE 33.0 compatible with MySQL 5.7 and Oracle JDK 1.8?
    - A: No. The MySQL 5.7 configuration is not compatible with EDGE 33.0. Issuers must update MySQL in order to execute commands and ingest data.
  - Q: What happens if issuers update software prior to the release of EDGE 33.0?
    - A: EDGE 32.4 is not compatible with MySQL 8.0 and Oracle JDK 1.8. If issuers update the software prior to the release of EDGE 33.0 they will not be able to execute commands/ingest data to EDGE.

# EDGE 33.0 Detail: Software Upgrades (continued)

- Q: Will TLS v1.2 in-flight encryption be supported as a part of EDGE 33.0?
  - A: No. This is not a tested part of EDGE 33.0
- Q: Will issuers be provided with links and instructions on how to update the software?
  - A: Yes, CMS will issue an email invitation in September to update the software. This will include a job aid with the appropriate links and instructions
- Q: Why do I have to update my software by October 12?
  - A: EDGE 33.0 code will not support the current configuration of MySQL 5.7. Additionally, future EDGE version updates will be incorporating features from MySQL 8.0 which are not compatible with MySQL 5.7. OpenJDK 1.8 is supported by RedHatEnterprise Linux (RHEL) and will save licensing and support costs for JDK by updating the software.

# EDGE 33.0 Detail: Simulation Zone

- Simulation Zone
  - Provides the ability to complete RA simulation testing and discrepancy analysis
    - Ability to test current, archived, or future EDGE version
    - Allows the use of current or archived reference data
    - Allows the use of current or archived ingested data

# EDGE 33.0 Detail: Simulation Zone (continued)

- CMS command to create simulation zone
  - Specifies EDGE version
    - Data is copied from archived or production schema to create Simulation Zone
  - File Ingest
    - Allowable by permission file
  - Local Commands
    - RA commands only
    - Allowable by permission file
  - Reports
    - File format
    - <Submitting Entity ID>.<File Type>.D<YYYYMMDD>T<hhmmss>.S.xml
    - Issuers will receive detail and summary reports
    - CMS will receive summary reports

# EDGE 33.0 Detail: Documentation Updates

- EDGE 33.0 Data Models
  - [Common Schema Data Model](#)
  - [Common Validation Schema Data Model](#)
  - [Production Schema Data Model](#)
  - [Validation Schema Data Model](#)
  - [Test Data Schema Data Model](#)
- EDGE 33.0 Data Dictionaries
  - [Common Schema Data Dictionary](#)
  - [Common Validation Data Dictionary](#)
  - [Production/Test Schema Data Dictionary](#)
  - [Validation Schema Data Dictionary](#)
- EDGE 33.0 RARI ICD
  - [https://www.regtap.info/reg\\_librarye.php?i=2707](https://www.regtap.info/reg_librarye.php?i=2707)
- EDGE 33.0 Issuer ICD
  - [https://www.regtap.info/reg\\_librarye.php?i=2591](https://www.regtap.info/reg_librarye.php?i=2591)

# EDGE 33.0 Detail: ICD Updates

- EDGE 33.0 RARI ICD Addenda
  - Section 1: Table of Contents updated
  - Section 2: Risk Adjustment Addendum updated
    - Descriptions updated to include Simulation Zone and .s file type
- Issuer ICD
  - Updated language to include Simulation Zone
  - Updated executionZoneCode to include S (Simulation environment)

# EDGE 33.0 Detail: Data Dictionaries Updates

- Added Zone Version Info
  - Common Data Dictionary
  - Common Validation Data Dictionary

## 96. ZONE\_VERSION\_INFO

Table Name: ZONE\_VERSION\_INFO

Category: Reference Table

Table Definition: The table is used to store information regarding zones.



Column Name	Data Type	Null Option Type	Column Definition
UID	BIGINT(19)	Not Null	Unique ID
ZONE_TYPE	VARCHAR(50)	Null	Zone Type.
VERSION_NUM	VARCHAR(50)	Null	Version Number
SOURCE_NAME	VARCHAR(50)	Null	Name of source
ARTIFACT_FILE_NAME	VARCHAR(100)	Null	File name of artifact
VERSION_NAME	VARCHAR(100)	Null	Name of this version
BUILD_NUMBER	VARCHAR(100)	Null	Build Number.
REL_NUMBER	VARCHAR(250)	Null	Release Number
PAYMENT_YEAR	INT(11)	Null	Year of payment
REFDATA_VERSION_NUMR	VARCHAR(50)	Null	Reference data version number
CREATE_BY	VARCHAR(50)	Null	Created by
CREATE_DT	DATETIME	Null	Creation date
LAST_MDYFD_BY	VARCHAR(50)	Null	Last modified by
LAST MDFYD_DT	DATETIME	Null	Last modified date

# EDGE 33.0 Detail: Data Dictionaries Updates (continued)

- Changed all datatypes of BIGINT(x) to BIGINT and INT (x) to INT
  - Prod Test Data Dictionary
  - Validation Data Dictionary
  - Common Data Dictionary
  - Common Validation Data Dictionary

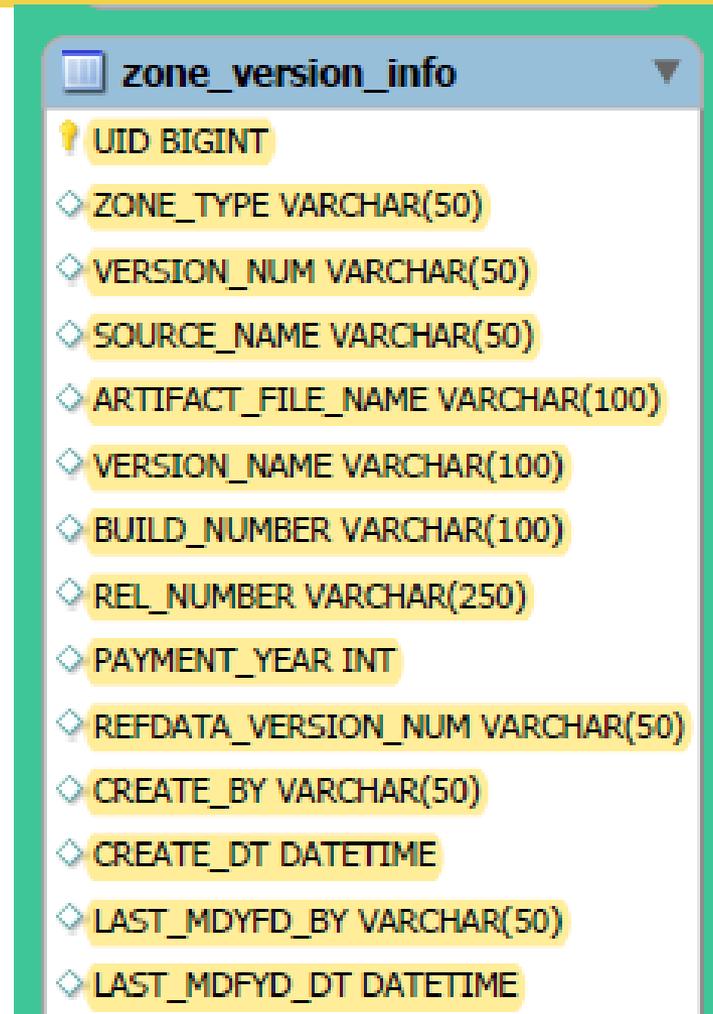
## 6. EDGE\_ERROR\_LOG

<b>Table Name:</b> EDGE_ERROR_LOG
<b>Group:</b> Staging & Reporting Table
Category: Staging Table Table Definition: The table logs business validation errors, inline validation errors into this table and it will be used for generating the outbound reports.

Column Name	Data Type	Null Option Type	Column Definition
UID	INT	Not Null	Unique database row identifier.
RECORDID	BIGINT	Not Null	Unique identifier for each record in the received file.
RECORDLEVEL	VARCHAR(45)	Not Null	The record level is used to record the different levels in the file. For instance, issuer level, plan level, enrollee level, enrollment period level, claim details level and claim service line level, etc.
ELEMENTNAME	VARCHAR(100)	Null	The element name represents the XML tag name of the inbound file. The name of the element that has the error.
ELEMENTVALUE	VARCHAR(100)	Null	The value of the element as it was received on submission.
ERRORSPECIFICTYPE	VARCHAR(200)	Null	Text description of error specific type that relates to ERRORTYPENO.
ERRORCODE	VARCHAR(45)	Null	The code associated with the error. Internal unique Error Code number.
ERRORDetail	VARCHAR(500)	Null	A system generated Error Message for exceptions.
ERRORMESSAGE	VARCHAR(500)	Null	A pre-defined Error Message that corresponds to the Error Code.
JOBID	BIGINT	Not Null	Reference to the job that inserted this record.

# EDGE 33.0 Details: Data Models Updates

- Common Schema Data Model
- Common Validation Schema Data Model
  - Added Zone Version Info table

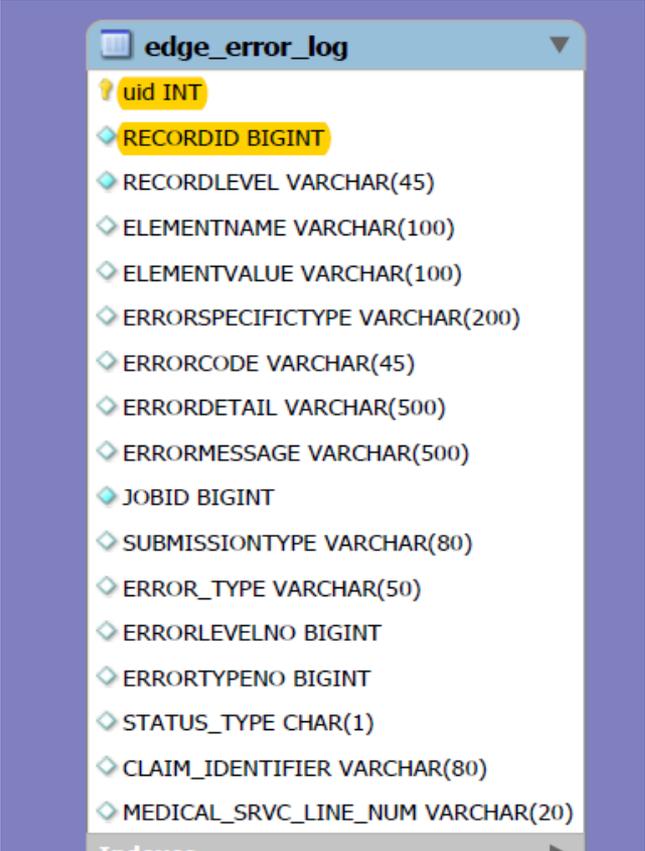


The screenshot displays the schema for the 'zone\_version\_info' table. The table name is shown in a blue header bar with a dropdown arrow. Below the header, the table's columns are listed, each preceded by a diamond icon. The columns and their data types are:

Column Name	Data Type
UID	BIGINT
ZONE_TYPE	VARCHAR(50)
VERSION_NUM	VARCHAR(50)
SOURCE_NAME	VARCHAR(50)
ARTIFACT_FILE_NAME	VARCHAR(100)
VERSION_NAME	VARCHAR(100)
BUILD_NUMBER	VARCHAR(100)
REL_NUMBER	VARCHAR(250)
PAYMENT_YEAR	INT
REFDATA_VERSION_NUM	VARCHAR(50)
CREATE_BY	VARCHAR(50)
CREATE_DT	DATETIME
LAST_MDYFD_BY	VARCHAR(50)
LAST_MDFD_DT	DATETIME

# EDGE 33.0 Details: Data Models Updates *(continued)*

- Changed all datatypes of BIGINT(x) to BIGINT and INT (x) to INT
  - Prod Schema Data Model
  - Validation Schema Data Model
  - Test Schema Data Model
  - Common Schema Data Model
  - Common Validation Schema Data Model



The screenshot displays the schema for the `edge_error_log` table. The fields and their data types are as follows:

Field Name	Data Type
uid	INT
RECORDID	BIGINT
RECORDLEVEL	VARCHAR(45)
ELEMENTNAME	VARCHAR(100)
ELEMENTVALUE	VARCHAR(100)
ERRORSPECIFICTYPE	VARCHAR(200)
ERRORCODE	VARCHAR(45)
ERRORDetail	VARCHAR(500)
ERRORMESSAGE	VARCHAR(500)
JOBID	BIGINT
SUBMISSIONTYPE	VARCHAR(80)
ERROR_TYPE	VARCHAR(50)
ERRORLEVELNO	BIGINT
ERRORTYPENO	BIGINT
STATUS_TYPE	CHAR(1)
CLAIM_IDENTIFIER	VARCHAR(80)
MEDICAL_SRVC_LINE_NUM	VARCHAR(20)

# Questions?

- To submit or withdraw questions by phone:
  - Dial “**star(\*)**, **pound (#)**” on your phone’s keypad to ask a question.
  - Dial “**star(\*)**, **pound (#)**” on your phone’s keypad to withdraw your question.
- Please Note: If you are listening to today’s session through your computer speakers and wish to ask a question, please take a moment to dial 1-866-408-4912 and enter your unique six-digit PIN.
  - Then dial “**star(\*)**, **pound (#)**” on your phone’s keypad.

# Upcoming Series X Webinar

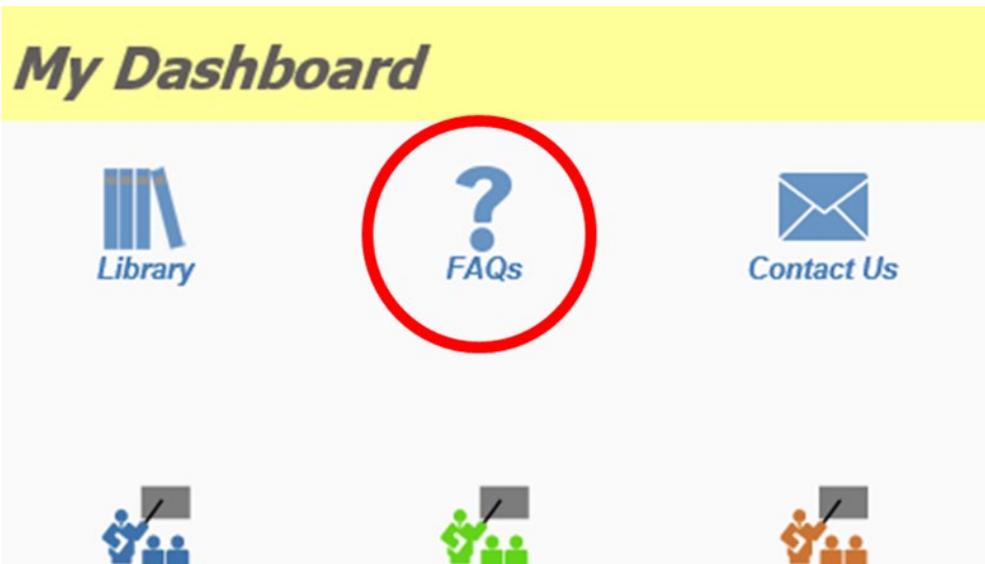
<b>Webinar</b>	<b>Scheduled Event Date</b>
<b>Benefit Year (BY) 2020 EDGE Baseline Reporting Process Overview, and Risk Adjustment (RA) Sequestration and Proration</b>	<b>September 1, 2020</b>

# Resources

# Resources

Resource	Link/Contact Information
Center for Consumer Information and Insurance Oversight (CCIIO)	<a href="http://cms.gov/ccio/">http://cms.gov/ccio/</a>
Registration for Technical Assistance Portal (REGTAP) <ul style="list-style-type: none"><li>• Registration</li><li>• Inquiry Tracking and Management System (ITMS)</li><li>• Resource Library</li><li>• Frequently Asked Questions (FAQs)</li></ul>	<a href="https://www.REGTAP.info/">https://www.REGTAP.info/</a>

# FAQ Database on REGTAP



The FAQ Database is available at <https://www.regtap.info/>.

- The FAQ Database allows users to search FAQs by FAQ ID, Keyword/Phrase, Program Area, Primary and Secondary categories, Benefit Year, and Publish Date.

**FAQ Search**

FAQ ID  Enter single FAQ ID or multiple IDs (1-10 or 15,18,87)

Keyword/Phrase

Program Area  
Select All  
ACA Financial Appeals  
Agent Broker  
Distributed Data Collection (DDC) for RA Including HCRP/EDGE Server  
Enhanced Direct Enrollment  
Enrollment and Eligibility  
Event Registration and Logistics  
HHS-Operated Risk Adjustment Data Validation (RADV)  
High Cost Risk Pool (HCRP)

Primary Category

Secondary Category

Benefit Year  Select All

Publish Date  
Start Date  End Date

FAQs to Display:  Current FAQs Only  
 Retired FAQs Only  
 All FAQs (Current and Retired)

# DDC/EDGE Server Resource Page

- The DDC/EDGE Server Resource Page provides central access to job aids, announcements, documentation, FAQs, deadlines, and other resources.
- To access the DDC/EDGE Server Resource Page, click on the Program Area Pages icon on 'My Dashboard' or access the page at <https://www.REGTAP.info/ddc.php>.



*Distributed Data Collection (DDC) for Risk Adjustment (RA) Including High Cost Risk Pool (HCRP)/EDGE Server* [Get Adobe Reader](#)

**2018 RA Default Charge Data Submission**  
 March 5 - April 12, 2019 (Deadline - 11:59 p.m. ET)

**Days Left**  
**28**

EDGE 30.0 Released to Test and Production Zones

**MARCH**  
**29**

EDGE SERVER TIMELINE  
 click image to enlarge

**TOPICS OF INTEREST**

[REFERENCE TABLE UPDATES](#)    [BASELINE SUBMISSION](#)  
[DATA SUBMISSION](#)    [ENROLLMENT SUBMISSION](#)  
[MEDICAL SUBMISSION](#)    [PHARMACY SUBMISSION](#)  
[SUPPLEMENTAL SUBMISSION](#)

**EDGE Core Resources**

<p><b>EDGE Server Operations &amp; Maintenance Manual (O&amp;MM) V 4.0</b></p>	<p><b>EDGE Server Business Rules (ESBR) V 11.0</b></p>	<p><b>Interface Control Document (ICD) V 02.01.15</b></p>	<p><b>EDGE Server Mailbox Assistance</b></p>
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[View More](#)

# DDC/EDGE Server Resource Page

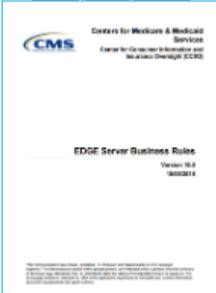
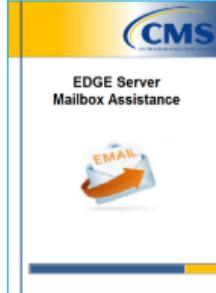
(continued)

**TOPICS OF INTEREST**

<a href="#">REFERENCE TABLE UPDATES</a>	<a href="#">BASELINE SUBMISSION</a>
<a href="#">DATA SUBMISSION</a>	<a href="#">ENROLLMENT SUBMISSION</a>
<a href="#">MEDICAL SUBMISSION</a>	<a href="#">PHARMACY SUBMISSION</a>
<a href="#">SUPPLEMENTAL SUBMISSION</a>	

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**EDGE Core Resources**

<p><a href="#">EDGE Server Operations &amp; Maintenance Manual (O&amp;MM) V 3.0</a></p> 	<p><a href="#">EDGE Server Business Rules (ESBR) V 10.0</a></p> 	<p><a href="#">Interface Control Document (ICD) V 02.01.15</a></p> 	<p><a href="#">EDGE Server Mailbox Assistance</a></p> 
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[View More](#)

- For quick access to related documentation, users can find resources organized by Topics of Interest, such as ‘Medical Submission’ or ‘Registration’.
- Users can also register for active EDGE Server training series, contact CMS, provide feedback, and more.

**NEW TO REGISTRATION?**  
click the button below

**REGISTER**  
for next event session



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**DO YOU HAVE FEEDBACK?**  
click the button below

**PROVIDE FEEDBACK**  
to DDC



# Closing Remarks

# Closing Remarks

- Immediately following this session you will be directed to complete a survey.
  - Please take a moment to submit any ideas, suggestions, or feedback you may have regarding DDC EDGE Server Series X.