



EDGE Server
Maintenance Release Notes
Deployment Scheduled for 1/27/15
(9 p.m. – 4 a.m. EST)

EDGE Server 1/27/15 Maintenance Release Summary (1 of 3)

| Current EDGE Server Versions (For the 1/27 Maintenance Release) | |
|---|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE04.0_b0073 |
| EDGE Server Application | EDGEServer_4.00.00_b0157 |
| Interface Control Document (ICD) | Version 02.01.03 |

| System Area | Pending Functionality (Scheduled for Release on 1/27) |
|-------------------------------|---|
| EDGE Server – Performance | <ul style="list-style-type: none"> • Enrollment and Pharmacy Files: <ul style="list-style-type: none"> ○ The EDGE server file ingest process will be updated to correct time-out issues encountered with files that have greater than 10 million enrollees and 6 million pharmacy claims. • Performance tuning for EDGE server file ingest process for “small” servers to process files larger than 4 million records. • The EDGE server file ingest process will be updated so that when processing fails due to memory limitations, a new system status output report will be generated with error details. The report will be provided to the issuer and CMS for tracking purposes. |
| EDGE Server – Reference Table | <ul style="list-style-type: none"> • The SRVC_CD_MDFR_TYPE (Service Code Modifier) reference table will be updated with an additional 67 modifier codes. There should be a total count of 438 modifiers in the reference table after deployment. |



EDGE Server 1/27/15 Maintenance Release Summary (2 of 3)

System Area

Pending Functionality (Scheduled for Release on 1/27)

EDGE Server – Medical File Processing

- The EDGE server file ingest process for all claims data will be updated to allow claims with dates of service that are within the statement coverage period. **The below restrictions are NO longer effective:**
 - The Statement Covers From date must be equal to the earliest Date of Service - From
 - The Statement Covers Through date must be equal to the latest Date of Service - Through
- The EDGE server file ingest process for institutional inpatient claims will be updated to accept the first claim when there are overlapping claims in the same file.
- The EDGE server file ingest process will be updated so that void and replace claims no longer need to be ordered within a file according to the Claim Processed Date Time. The claims will be processed and validated according to the Claim Processed Date Time and not according to the sequence they appear in the file.
- The EDGE server file ingest process will be updated so that when a duplicate claim record is identified, the EDGE server error message will be updated to accurately identify the Record ID of the duplicate claim that was rejected.
- The EDGE Server Detail Medical Claim Error Report (ESDMCE) will be updated to correctly display the service line number for service lines that are rejected.

EDGE Server 1/27/15 Maintenance Release Summary (3 of 3)

| System Area | Pending Functionality (Scheduled for Release on 1/27) |
|---|--|
| EDGE Server – Pharmacy File Processing | <ul style="list-style-type: none">• The EDGE server file ingest validations for void claims will be updated to allow a null value for all the non-key fields on pharmacy claims. |
| EDGE Server – All Ingest File Types | <ul style="list-style-type: none">• The EDGE server file ingest process will be updated to not permit trailing and leading spaces on the Unique Enrollee ID and Subscriber ID fields. Unique Enrollee ID and Subscriber ID records with trailing or leading spaces will be rejected with an appropriate Error Code.<ul style="list-style-type: none">○ Trailing and leading spaces cause miscalculations in risk adjustments and reinsurance.• The EDGE server file ingest process will be updated so that unexpected errors occurring during file processing will result in rejected records in order to allow files to complete processing and produce outbound summary and detail reports. Detail reports will include an error message directing issuers to review the error log. Unexpected errors will be reported to CMS on the summary report and will be researched by the development team and Centers for Consumer Information and Insurance Oversight (CCIIO) to determine an appropriate solution. |
| EDGE Server – TPA Approvers | <ul style="list-style-type: none">• The EDGE server web registration site will be updated to allow users with a Third Party Administrator (TPA) Approver role to access the On-Premise EDGE server installation scripts and property keys, as well as the “Refresh Plan Data” button. |



EDGE Server 1/21/15 Maintenance Release Notes

EDGE Server 1/21/15 Maintenance Release Summary (1 of 3)

Current EDGE Server Versions

| | |
|--|---------------------------------|
| EDGE Server Web Registration Site | EM_EDGE04.0_b0072 |
| EDGE Server Application | EDGEServer_4.00.00_b0146 |
| Interface Control Document (ICD) | Version 02.01.03 |

| System Area | Updated Functionality |
|---|---|
| EDGE Server – File Processing: Revenue Codes | <ul style="list-style-type: none"> The EDGE server will be updated to add Revenue Code 0761 to the list of duplicate exceptions for institutional outpatient medical claims. The EDGE server file ingest process will be updated so that Revenue Codes are not required on medical claims. |
| EDGE Server – All Claims Data | <ul style="list-style-type: none"> Error Code 2.2.1 will be updated to accurately reflect a valid range between '0' and '9999999999999999.99' for insurance Plan Paid Total Amount. |
| EDGE Server – Medical File Processing | <ul style="list-style-type: none"> The EDGE server file ingest process for medical claims data will be updated to reject a medical claim if the Derived Amount Indicator on all claim lines = 'N' and = 'Y' on the claim header. The EDGE server duplicate check for medical claims data will be updated to correctly apply the duplicate exception to Service Codes between 90460 and 90474. |



EDGE Server 1/21/15 Maintenance Release Summary (2 of 3)

| System Area | Updated Functionality |
|---|--|
| EDGE Server – Enrollment File Processing | <ul style="list-style-type: none"> The EDGE server file ingest process for enrollment files will be updated to reject dependent enrollment periods that do not have a subscriber that passes validation. |
| EDGE Server – Pharmacy File Processing | <ul style="list-style-type: none"> The EDGE server Pharmacy Fill Number check for pharmacy claims will be updated to allow a minimum fill number = '0' instead of '1'. The EDGE server duplicate check for pharmacy claims data will be updated to allow a pharmacy claim that matches an inactive claim with the same seven (7) key elements. |
| EDGE Server – File Ingest Void/Replace Process | <ul style="list-style-type: none"> The EDGE server file ingest validations for void claims will be updated to allow a negative value for the Paid Amounts and Allowed Amounts on BOTH pharmacy and medical claims, as well as a null value for the paid and allowed amounts on medical claims ONLY. <ul style="list-style-type: none"> NOTE: Null values will be permitted for pharmacy claims after the 1/27/15 release. |
| EDGE Server – RI Calculation Process | <ul style="list-style-type: none"> The EDGE server RI calculation process will be updated to exclude small group plans from the calculation. Only individual market plans are eligible for the RI calculation. The EDGE server RI calculation process will be updated to evenly distribute the Family Maximum Out-Of-Pocket (MOOP) adjustment between all enrollees on a family policy when there are no claims for the family policy. |
| EDGE Server – Remote Command Processing | <ul style="list-style-type: none"> The EDGE server will be updated to include a new remote command to search the EDGE server outbox to list the production reports produced by the EDGE server in order to reconcile with the files received by CMS. |

EDGE Server 1/21/15 Maintenance Release Summary (3 of 3)

| System Area | Updated Functionality |
|---|--|
| EDGE Server – Plan Data Refresh | <ul style="list-style-type: none">The EDGE server will be updated to add a new remote command to process plan data refreshes. |
| EDGE Server – Orphan Enrollee Claim Reports | <ul style="list-style-type: none">The EDGE server will be updated to add a new remote command to generate both the Enrollee (Without) Claims Summary Report and Enrollee (Without) Claims Detail Report (e.g., orphan reports).<ul style="list-style-type: none">The new command will be: edge report OrphanClaimEnrollee |
| EDGE Server – Version Control | <ul style="list-style-type: none">The EDGE server will be updated to require that the EDGE application is on the latest version before performing any tasks including file processing and issuer execution of remote commands provided by CMS. |

EDGE Server 1/13/15 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 1/13/15 Maintenance Release Summary (1 of 2)

Current EDGE Server Versions

| | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE04.0_b0065 |
| EDGE Server Application | EDGEServer_4.00.00_b0139 |
| Interface Control Document (ICD) | Version 02.01.03 |

| System Area | Updated Functionality (Now In Production) |
|---------------------------------------|--|
| EDGE Server – Medical File Processing | <ul style="list-style-type: none">• The EDGE server file ingest process for medical claims data will be updated to trigger an error message for a claim service line that includes duplicate service modifier codes on the same service line.• The EDGE server duplicate check for medical claim lines will be updated to not consider inactive claims.<ul style="list-style-type: none">◦ Medical claims will no longer be rejected if they have a claim line that is a duplicate of a voided claim. |
| EDGE Server – All Claims Data | <ul style="list-style-type: none">• The EDGE server file ingest process for all claims data will be updated to differentiate between mixed case claim IDs (lower case, upper case, mixed case) on ingest files. |



EDGE Server 1/13/15 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|---|---|
| EDGE Server – Risk Score Calculation | <ul style="list-style-type: none"> The EDGE server Risk Score calculation process will be updated to include additional exception checks if there are errors encountered during the calculation process. |
| EDGE Server – Reference Data Updates | <ul style="list-style-type: none"> The EDGE server RA eligibility indicator on the Service Code reference table will be updated to include a total of 6,948 Service Codes. The following Diagnosis Codes will no longer be eligible for RA: 2865, 4251, 4440, 5163, 631, 7473. The ICD-9 Diagnosis Code effective end date will be updated to 9/30/2015. |
| EDGE Server – RA Claim Selection Process | <ul style="list-style-type: none"> The EDGE server RA Claim Selection job will be re-executed against all ingested medical claims. <ul style="list-style-type: none"> The RA Claim Selection process will be executed after the production deployment on 1/13/2015. All servers must be upgraded to EDGE server version 138 for this process to complete. This process must be completed before full execution of the RA calculations can occur. RA Claim Selection Summary Report (RACSS) and RA Claim Selection Detail Report (RACSD) reports will be regenerated as part of this process. |

EDGE Server
Maintenance Release Notes
Scheduled Deployment: 1/6/15



EDGE Server 1/6/15 Maintenance Release Summary (1 of 2)

| Current EDGE Server Versions | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE04.0_b0065 |
| EDGE Server Application | EDGEServer_4.00.00_b0128 |
| Interface Control Document (ICD) | Version 02.01.03 |

| System Area | Updated Functionality (Now In Production) |
|--|--|
| EDGE Server – File Processing <ul style="list-style-type: none">Enrollment File Submission | <ul style="list-style-type: none">The EDGE server file ingest process for enrollment data was updated to reject non-subscriber (i.e., dependent) enrollee records when the associated subscriber enrollee record is rejected.<ul style="list-style-type: none">All issuers must upload new enrollee ingest files before the next data submission date of January 11, 2015 to ensure all prior enrollment information submitted is inactivated and new enrollment data is stored in order for the Reinsurance estimates to calculate correctly.<ul style="list-style-type: none"><i>Reinsurance estimates will be incorrectly calculated until new enrollment files are uploaded and processed by issuer EDGE servers.</i>CMS will monitor issuer re-submission of enrollment files and conduct outreach to those issuers who do not resubmit enrollment data by 1/12/15. |

EDGE Server 1/6/15 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|--|--|
| EDGE Server – Production & Test Database Truncation Scripts | <ul style="list-style-type: none">• Production and test truncation scripts were updated to resolve a foreign key violation that was previously preventing successful truncation. Notes:<ul style="list-style-type: none">○ For issuers who obtained a test or production truncation script from CMS, the script will continue to work and you will NOT need to obtain a new one.○ Issuers who have a production truncation script that has expired, please submit a request for a new truncation script. |

EDGE Server 1/2/15 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 1/2/15 Maintenance Release Summary (1 of 2)

Current EDGE Server Versions

| | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE04.0_b0065 |
| EDGE Server Application | EDGEServer_4.00.00_b0122 |
| Interface Control Document (ICD) | Version 02.01.03 |

System Area

Updated Functionality (Now In Production)

| | |
|-------------------------------|---|
| EDGE Server – File Processing | <ul style="list-style-type: none">The EDGE server file ingest process will be updated to enable enrollee IDs to be case sensitive alphanumeric entries. Enrollee IDs with capitalization differences will be treated as unique IDs. |
| EDGE Server – On-Premise | <ul style="list-style-type: none">When a Point of Contact (POC) is updated, a new EDGE_SERVER_DETAIL_ID will not be created for On-Premise servers. The EDGE_SERVER_DETAIL_ID will remain the same. |



EDGE Server 1/2/15 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|--|---|
| EDGE Server – Web Registration Site | <ul style="list-style-type: none">• The EDGE server registration site will be updated to enable the following:<ul style="list-style-type: none">• Users with both the Third Party Administrator (TPA) Submitter and Issuer Submitter roles will not experience 403 errors upon logging in to EDGE registration site.• When approving POC updates on EDGE server requests, the old values are displayed as well as the new values for review in the change history.• Issuer Approver comments are now saved when approving EDGE server registration requests.• Success messages are now displayed when uploading Attestation documents.• On Update/Approval page, the Approve button is now disabled after clicking so the request cannot be approved/updated multiple times.• The “Create EDGE Server Request” button is no longer available to TPA Submitters. |
| EDGE Server – Web Registration Search Functionality | <ul style="list-style-type: none">• The EDGE server request search functionality will be updated to enable the following:<ul style="list-style-type: none">• Duplicate records no longer returned.• Manage EDGE Server page search enabled for TPA Submitters.• Ability to search by all fields on the Manage EDGE Server page.• Ability to search by EDGE Server Name.• “No data available” message correctly displays when no results are returned.• Ability to search by “Provisioning Failed” status. |

EDGE Server 12/26/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 12/26/14 Maintenance Release Summary (1 of 2)

Current EDGE Server Versions

| | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE02.0_b0022 |
| EDGE Server Application | EDGEServer_4.00.00_b0120 |
| Interface Control Document (ICD) | Version 02.01.03 |

| System Area | Updated Functionality (Now In Production) |
|---------------------------|--|
| EDGE Server – File Ingest | <ul style="list-style-type: none">• The EDGE server was updated to enable the following:<ul style="list-style-type: none">• Void/Replace logic updated for pharmacy claim processing to allow V/R claims to use the same claim ID as the original claim.• The Pharmacy Frequency Report (FDEPAF) report was updated to use the fill date to align claims to the payment year.• RARCSS and RARCSD reports to automatically generate for <i>cron</i> users when upgrading to Increment 4.• Updated RA Claim Selection logic to select appropriate RA eligible institutional outpatient claims that do not include a service code. |

EDGE Server 12/26/14 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|---|---|
| EDGE Server – Reinsurance Calculations | <ul style="list-style-type: none">The EDGE server was updated so that medical claims are picked up and calculate only once in the RIDE report. |
| EDGE Server – Plan Reference Data | <ul style="list-style-type: none">The EDGE server was updated to include the latest refresh of plan reference data from RBIS. |
| EDGE Server – Outbound Reports | <ul style="list-style-type: none">The EDGE server was updated to enable outbound reports to generate with file name data format to display as “YYYY-MM-DD”. |

EDGE Server 12/17/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server Release Management Updates

EDGE Increment 4 (1 of 6)

| | |
|------------|-------------------------|
| EDGE Inc 4 | Planned PROD Deployment |
|------------|-------------------------|

| | |
|--------|---|
| Timing | Monday, December 15th |
|--------|---|

Notes

On December 15, 2014, the Centers for Medicare & Medicaid Services (CMS) will release updated External Data Gathering Environment (EDGE) server code that includes Risk Adjustment (RA) and Reinsurance (RI) calculation software as well as file processing and outbound report fixes. Details regarding the updates are included in the following slides.

After the release, the software will automatically update when an EDGE command is made. The EDGE server may be “busy” for a period of time, dependent on the data volume, immediately after it receives this software update as some records already recorded in the EDGE server database are automatically re-processed in the production regions. The EDGE command will include an update of the application itself, including the new application code for running the RI estimates and Risk Score calculations, as well as a number of other functions. The software update will also include an automatic database structure update. Additionally, Maximum Out-of-Pocket (MOOP) reference data will be added to your Plan Reference Data.



EDGE Server Release Management Updates

EDGE Increment 4 (2 of 6)

EDGE Inc 4 Planned PROD Deployment

Timing **Monday, December 15th**

| Release | EDGE Inc 4 | Issuer Impacts |
|---|--|---|
| <p>Risk Adjustment (RA)</p> <p>The Risk Adjustment (RA) program better spreads the financial risk borne by issuers in the individual and small group markets in order to stabilize premiums and provide issuers the ability to offer a variety of plans to meet the needs of a diverse population.</p> | <p>EDGE Inc 4 functionality includes the following <u>RA calculations</u>:</p> <ul style="list-style-type: none"> • Calculate RA User Fees – <i>a per billable member user fee applicable to issuers participating in the Federally-facilitated marketplace (FFM)</i> • Calculate RA Risk Score – <i>plan level liability risk score calculated using each enrollees claims and enrollment details</i> | <ul style="list-style-type: none"> • File ingest validation rules modified for issuers to send data to their EDGE server (<i>See p.7</i>) • CMS will be responsible for initiating estimates and reports to support RA and RI • Issuers will be able to retrieve the following outbound reports from the S3 bucket (AWS) / output directory (On-Premise) after CMS has initiated the estimates: <ul style="list-style-type: none"> ○ <u>Detailed reports</u> (issuers only) <ul style="list-style-type: none"> – RA Claim Selection – RA Risk Score – RI Detailed Enrollee – Enrollee Claims (with & without) ○ <u>Summary reports</u> (issuers and CMS) <ul style="list-style-type: none"> – RA Claim Selection – RA Risk Score – RA Transfer Element Extract – RA User Fee – RADV Population Summary Statistics – RI Summary – Enrollee Claims (with & without) • The reports will include issuer-level RA and RI estimates |
| <p>Reinsurance (RI)</p> <p>Reinsurance provides payments to issuers that incur high costs for claims in the individual market. Reinsurance payments are based on a coinsurance rate or proportion of an issuer’s claims costs that are above an attachment point and below a reinsurance cap for the applicable benefit year.</p> | <p>EDGE Inc 4 functionality includes the following for <u>RI calculations</u>:</p> <ul style="list-style-type: none"> • Calculate RI issuer Level Estimate- <i>estimate amount for each issuer calculated using each enrollee’s claims and enrollment details</i> | |



EDGE Server Release Management Updates

EDGE Increment 4 (3 of 6)

| | |
|------------|---|
| EDGE Inc 4 | Planned PROD Deployment |
| Timing | Monday, December 15th |

| Function | Planned Content | Issuer Impacts |
|--|--|---|
| <p>Risk Adjustment (RA) – Claim Selection</p> <p>The RA claim selection process is executed each time a medical claim file is loaded to the EDGE server for processing.</p> | <ul style="list-style-type: none"> • The following data will be used in RA calculations: <ul style="list-style-type: none"> ○ Enrollment Files – Contain demographic information and enrollment period information ○ Medical Claims Data Files – Contain diagnosis and procedure codes, bill types, service dates ○ Supplemental Files – Contain additional diagnoses discovered after claim adjudication or final encounter approval, submitted in accordance with supplemental diagnosis file business rules • Note: For RA risk score and transfer calculations, plan is defined as a plan in a rating area in a risk pool/market • CMS will initiate RA claims selection process with the following steps: <ul style="list-style-type: none"> ○ Apply payment year dates ○ Identify RA plans for risk score calculation ○ Select RA bill types and claims ○ Flag claims with CPT/HCPCS codes that link to RA model diagnoses for selection ○ Generate <i>RA Claims Selection Report</i>, which includes exclusion Reason codes • A special script will run on any claims submitted prior to the release of the RA software | <ul style="list-style-type: none"> • Issuers should continue to submit information via their chosen EDGE server solution • Issuers who do not establish an EDGE server or who submit inadequate RA data will be charged a RA Default Charge (RADCh) fee per member per month to be determined by CMS • Issuers must submit all claims by April 30, 2015 in order to be eligible to be reimbursed for the 2014 Payment Year • Related to this portion of the RA process, issuers can access the following outbound reports from the S3 bucket (AWS) / output directory (On-Premise): <ul style="list-style-type: none"> ○ <i>RA Claim Selection Report (Detail)</i> ○ <i>RA Claim Selection Report (Summary)</i> |



EDGE Server Release Management Updates

EDGE Increment 4 (4 of 6)

| | |
|------------|---|
| EDGE Inc 4 | Planned PROD Deployment |
| Timing | Monday, December 15th |

| Function | Planned Content | Issuer Impacts |
|--|--|--|
| <p>Risk Adjustment (RA) – Risk Score Calculation and Transfer Element Extract</p> <p>The RA Risk Score Calculation is a batch process based on a calculation from EDGE using all issuer individual and small group plans.</p> | <ul style="list-style-type: none"> • RA Risk Score Calculation performed on the EDGE server include: <ul style="list-style-type: none"> ○ Calculate Member Enrollment Months and Subscriber Months -- member months are calculated for each enrollment period; subscriber months are the enrollment months for any enrollment periods associated with a subscriber ○ Calculate Member Billable Months -- the number of enrollment months for any enrollment periods identified as billable enrollees for the policy ○ Calculate Plan-Rating Area Level Plan Liability Risk Score -- calculated for each unique plan and rating area combination during the risk score calculation process is identified and used for the transfer calculation <ul style="list-style-type: none"> – <i>Risk Score calculation</i> methodology will calculate an average risk score for each covered plan based on the relative risk of the plan’s enrollees using the data elements issuers submitted to EDGE (e.g., Enrollee ID, Subscriber ID, Plan ID, Issuer ID, Date of Birth, Gender, Enrollment Period, and claims data) – <i>Additional information can be found on REGTAP: Risk Adjustment Webinar 11/19/2014</i> ○ Calculate Allowable Rating Factor Age -- assigned based on the first day of the initial issuance enrollment period of each policy or first day of policy renewal in subsequent payment years, or for each dependent addition during the policy year for each enrollment period ○ Once the <i>Rating Method</i> is assigned for each state an Allowable Rating Factor is calculated for each billable enrollment period ○ Calculate Individual Plan’s Average Premium | <ul style="list-style-type: none"> • Related to this portion of the RA process, issuers can access the following outbound reports from the S3 bucket (AWS) / output directory (On-Premise) once they are executed by CMS: <ul style="list-style-type: none"> ○ <i>RA Risk Score Detailed Report</i> ○ <i>RA Risk Score Summary Report</i> ○ <i>RADV Population Summary Statistics</i> ○ <i>RA Transfer Element Extract Report</i> ○ <i>RA User Fee Summary Report</i> |



EDGE Server Release Management Updates

EDGE Increment 4 (5 of 6)

| | |
|------------|---|
| EDGE Inc 4 | Planned PROD Deployment |
| Timing | Monday, December 15th |

| Function | Planned Content | Issuer Impacts |
|--|--|---|
| <p>Reinsurance</p> <p>Reinsurance provides funding to issuers that incur high claims costs for enrollees.</p> | <ul style="list-style-type: none"> The RI estimate calculations will be performed through the following: <ul style="list-style-type: none"> Identify RI Eligible Claims Identify RI Eligible Enrollees and Enrollment Periods Aggregate Individual Claim Paid Year-to-date (YTD) Identify Family and Individual Policies Lookup MOOP Reference Value for Each Enrollment Period Calculate Individual Policy MOOP Calculate Family Policy MOOP Calculate Aggregate Enrollee MOOP Calculate Enrollee RI Eligible Total Paid Amount and Apply MOOP Apply National RI Parameters Calculate Issuer RI Estimate Additional information can be found on: <ul style="list-style-type: none"> REGTAP: Reinsurance Payments Series I: Reinsurance Outbound Reports 11/24/2014 REGTAP: Reinsurance Payments Series I: Reinsurance Payments Overview 11/13/2014 | <ul style="list-style-type: none"> CMS will be responsible for initiating the RI calculation batch job as communicated on issuer EDGE servers Issuers can retrieve the following outbound reports from the S3 bucket (AWS) / output directory (On-Premise) related to RI after CMS has initiated the process: <ul style="list-style-type: none"> <i>RI Detailed Enrollee Report</i> – includes the details used to calculate the RI estimate at the enrollee and claim level (e.g. each claim and its associated paid amount, RI eligible paid amount, total enrollee paid amount, as well as the RI parameters used and the calculated CSR MOOP adjustment that was applied) <i>RI Summary Report</i> – contains the plan level RI estimate and supporting summary information at the issuer and plan level and is transmitted to CMS for use in payment processing |



EDGE Server Release Management Updates

EDGE Increment 4 (6 of 6)

| | |
|------------|---|
| EDGE Inc 4 | Planned PROD Deployment |
| Timing | Monday, December 15th |

| Function | Planned Content | Issuer Impacts |
|--|--|--|
| <p>File Ingest</p> <p>Process for issuers to load enrollment, medical, pharmacy, and supplemental files to the EDGE server to support RA & RI calculations.</p> | <p>Updates to File Ingest Functionality will include the following changes:</p> <p>Updates to Ingest Validation:</p> <ul style="list-style-type: none"> • Modify pharmacy and medical claim duplicate check to include Plan ID as a data element for institutional outpatient and professional claims. (The software previously only included Plan ID as an element for institutional inpatient services.) • Medical claim files will accept duplicate Diagnosis Codes without file failure • Updated edit restrictions related to Enrollment Period Activity Indicator (EPAI) codes 021EC and 001 <p>Updates to File Processing Reports</p> <ul style="list-style-type: none"> • Addition of the Detail Error Messages to all Error Codes for the Detailed Accept - Reject Reports • Addition of Claim Counts by Error Code added on the Summary Accept - Reject Reports | <ul style="list-style-type: none"> • The modified validation logic will be applied when issuers upload medical, pharmacy and enrollment files to the EDGE server for processing • The Summary and Detail File Accept-Reject reports will be produced in the updated format • EDGE server software applies verification edits outlined in the Interface Control Document (ICD) and EDGE Server Business Rules (ESBR) • Issuers will be able to retrieve the following outbound reports from the S3 bucket (AWS) / output directory (On-Premise) once they are executed by CMS: <ul style="list-style-type: none"> ○ <i>Enrollees Claims (with and without) Detail and Summary Reports</i> – Eligible enrollees who do not have claims will be included for reporting but do not contribute to the estimate calculations |



EDGE Server Release Management Updates

EDGE Increment 4 – *Upcoming Release* (1 of 3)

EDGE Inc 4 Planned PROD Deployment

Timing **Tentative – 2ND December Release**

| Release | Upcoming Functionality | Issuer Impacts |
|-------------------------|---|---|
| Reinsurance (RI) | <ul style="list-style-type: none"> • MOOP Calculation Changes • Additional Four Fields added to the RI Summary Report | <ul style="list-style-type: none"> • Out-of-Pocket Cost (OOPC) is calculated via the Out-of-Pocket Cost estimator • The RI estimate amount for each enrollee is calculated by deducting the enrollee's CSR total maximum out-of-pocket (MOOP) adjustment for the payment year from the total claim paid amount across all plans- • The RI Summary Report will include the following additional fields: <ul style="list-style-type: none"> ○ Member Months for Enrollees With Payments – Count of months for RI enrollees with payments within the payment year (Jan-Dec) for individual market plans ○ CSR MOOP Adjustment for RI Eligible Enrollees – Total CSR MOOP Amount for RI eligible enrollees ○ Number of Claims for Enrollees With Payments – Total number of claims eligible for reinsurance across all individual market plans for enrollees receiving RI payments ○ Number of Enrollees with MOOP Adjusted Paid Claims Above the CAP – Total number of enrollees that have a paid claim amount, minus the CSR MOOP adjustment that is greater than the CAP; these are enrollees that would qualify for the maximum reinsurance estimate amount |



EDGE Server Release Management Updates

EDGE Increment 4 – *Upcoming Release* (2 of 3)

EDGE Inc 4

Planned PROD Deployment

Timing

Tentative – 2ND December Release

Release

Upcoming Functionality

Issuer Impacts

Reports

- Additional frequency distribution reports, cumulative by data element, will be generated based on all records stored in tables including the current file ingest
- XSD Changes for *all* Reports

- Issuers can access the following additional reports once they are executed by CMS:
 - *Enrollment Frequency Distribution Report* – frequency by data element for enrollment accepted files
 - *Pharmacy Frequency Distribution Report* – frequency by data element for pharmacy accepted files
 - *Medical Frequency Distribution Report* – frequency by data element for medical accepted files
 - *Supplemental Frequency Distribution Report* – report contains frequency by data element for supplemental accepted files
- NA – Minor updates/modifications to outbound report layouts
- Issuers may refer to the Interface Control Document (ICD) and EDGE Server Business Rules (ESBR) for complete EDGE server software applies verification edits

Maintenance

- Reduce verbiage on Web Registration OP buttons
- Update the Ingest Process to handle the no name space scenario
- NA – Minor display update
- if no namespace is provided, the file will be rejected at the header level



EDGE Server Release Management Updates

EDGE Increment 4 – *Upcoming Release* (3 of 3)

EDGE Inc 4 Planned PROD Deployment

Timing **Tentative – 2ND December Release**

| Release | Upcoming Functionality | Issuer Impacts |
|---|--|--|
| File Ingest – Updates | <ul style="list-style-type: none"> Sequential Medical Claim Lines Validation | <ul style="list-style-type: none"> EDGE server medical claim file processing logic required that claim lines be sequential and contiguous, but will be updated to be sequential only With this update, issuers who removed denied claim lines before submitting claims to their EDGE servers will not need to reorder claim sequence in order to avoid claims being rejected |
| | <ul style="list-style-type: none"> Zero Plan Cost Ingest Validation | <ul style="list-style-type: none"> Issuers may submit claims for enrollees who have incurred the full cost of services Pharmacy and medical claim inbound files code will be modified to allow a zero (0) dollar value for the following data elements <ul style="list-style-type: none"> Pharmacy claim elements <ul style="list-style-type: none"> issuerPlanPaidTotalAmount policyPaidTotalAmount Medical claim elements <ul style="list-style-type: none"> issuerPlanPaidTotalAmount insurancePlanPaidTotalAmount |
| | <ul style="list-style-type: none"> Duplicate Exception Update to include Modifier 59 | <ul style="list-style-type: none"> Modifier 59 is added to the list of duplicate exception modifiers to prevent claims from being rejected inappropriately by the EDGE server medical claim file processing logic |
| | <ul style="list-style-type: none"> Service Code Modifiers Update | <ul style="list-style-type: none"> CMS will be updating the service code modifier table with the following additional modifier codes - 1P, 8P, EH, ES, EX, IH, JF, LM, L1, NH, NP, PH, PN, PO, PR, RH, RN, SU, SZ, XE, XP, XS |
| <ul style="list-style-type: none"> Reclassification of Bill Type | <ul style="list-style-type: none"> The following bill types were reclassified in the reference table: <ul style="list-style-type: none"> 018x and 028x were changed from outpatient to inpatient 032x, 082x and 084x were changed from inpatient to outpatient | |



EDGE Server 11/24/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 11/24/14 Maintenance Release Summary (1 of 3)

Current EDGE Server Versions

| | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE02.0_b0022 |
| EDGE Server Application | EDGEServer_1.00.00_b0097 |

System Area

Updated Functionality (Now In Production)

| | |
|---|---|
| Web Registration – View/Update Request | <ul style="list-style-type: none">The EDGE Server Registration site was updated to enable issuers the ability to see all the statuses that an EDGE server request has had from the time it was created in the Status History table when viewing an existing request through the View/Update page. |
| Web Registration – Request Page | <ul style="list-style-type: none">The EDGE Server Registration site was updated so the Additional Point of Contact (POC) section will display (not be hidden) when required field error messages are triggered for incorrect or missing information. |
| Web Registration – General | <ul style="list-style-type: none">The EDGE Server Registration site was updated to enable consistency with the display, format, style and orientation of the web pages on the site. |



EDGE Server 11/24/14 Maintenance Release Summary (2 of 3)

| System Area | Updated Functionality (Now In Production) |
|---|---|
| Web Registration - Update/Approval | <ul style="list-style-type: none"> • The EDGE Server Registration site was updated to validate the Update & Approval buttons on an EDGE server request are in the same format. • The EDGE Server Registration site was updated to validate the text box for entering a new approval reason can be distinguished from the text box used for a previous approval when approving an update on an existing EDGE server request. • The EDGE Server Registration site was updated to allow Issuer Submitters to submit a POC change request without receiving a HTTP-500 error in their web browser. • The EDGE Server Registration site was updated to enable Issuer Approvers the ability to approve POC changes without receiving a 403 error message in their web browser. |
| Web Registration – Manage EDGE Server Page | <ul style="list-style-type: none"> • The EDGE Server Registration site was updated to enable users the ability to view requests in all available statuses through the Manage EDGE Server page. |
| Web Registration – On-Premise EDGE (OPE) Server Provisioning Files | <ul style="list-style-type: none"> • The EDGE Server Registration site was updated to enable the download links for the OPE Server Provisioning files to be available to issuers, even after a server has a “Provisioned” status. Issuers may download these files again for any reason. |

EDGE Server 11/24/14 Maintenance Release Summary (3 of 3)

| System Area | Updated Functionality (Now In Production) |
|--|---|
| Web Registration – Plan Reference Data | <ul style="list-style-type: none">The EDGE Server Registration site was updated to include a button that will allow issuers to push their plan reference data to their EDGE server after it has been successfully provisioned. This button is available to both Issuer Submitters and Issuer Approvers from the EDGE Server Request page and will only be available once a server is in “Provisioned” status.<ul style="list-style-type: none">Issuers should allow up to five (5) minutes for the files to be staged, and then execute an EDGE command on their server (e.g., edge update, edge ingest, edge queue execute). <p><u>NOTE to issuers who recently submitted 2014 Rate and Benefits Information System (RBIS) data</u></p> <p>The plan reference data for off-exchange plans will not be available until early December. CMS will notify issuers, via the Management Release Notes, when the RBIS data is available for upload.</p> |
| Web Registration – Search Page | <ul style="list-style-type: none">The EDGE Server Registration site was updated to enable all EDGE Server Registration site user roles (i.e., Issuer Submitter, Issuer Approver, CMS Approver) the ability to search requests by status “Pending Org Approval” in the Search Requests page and return results successfully without triggering a 403-error page in the web browser. |
| Web Registration – Cancel Request | <ul style="list-style-type: none">The EDGE Server Registration site was updated to validate that issuers can select the “Cancel Request” button on an EDGE server request when it has a status of “Provisioned Failed”. |

EDGE Server Maintenance Release

Pending Functionality

| System Area | Pending Functionality (Coming Soon) |
|---|--|
| Web Registration - Update/Approval | <ul style="list-style-type: none">The EDGE Server Registration site will be updated to allow Issuer Approvers reviewing an existing EDGE server request to see changes made to the POC details. |
| Web Registration - Update/Approval | <ul style="list-style-type: none">The EDGE Server Registration site will be updated so that comments entered on a request by the Issuer Approver will be saved and able to be viewed by the CMS Approver. |
| Web Registration – Attestation Table | <ul style="list-style-type: none">The EDGE Server Registration site will be updated to allow the Attestation table to have a column word-wrap capability. |
| Web Registration – Search | <ul style="list-style-type: none">The EDGE Server Registration site will be updated to allow Third Party Administrator (TPA) Submitters to view requests in “Provisioning Failed” status.The EDGE Server Registration site will be updated to allow all users to search for requests using Legal Business Name (LBN) or EDGE server name as search criteria. |

EDGE Server 10/31/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 10/31/14 Maintenance Release Summary (1 of 2)

Current EDGE Server Versions

| | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE02.0_b0008 |
| EDGE Server Application | EDGEServer_1.00.00_b0097 |

| System Area | Updated Functionality (Now In Production) |
|------------------------------------|--|
| Web Registration – Submit Requests | <ul style="list-style-type: none">The EDGE Server Registration site was updated so that the Submit Request button on an EDGE Server Request will now be disabled until issuer Submitters upload an Issuer Attestation. |
| Web Registration – Logout Button | <ul style="list-style-type: none">The EDGE Server Registration site was updated to include a “Logout” button. Issuers now have the ability to end a session in the EDGE Server Registration site by clicking the “Logout” button. |
| Web Registration – Email Address | <ul style="list-style-type: none">The EDGE Server Registration site was updated to allow issuers to enter email addresses with periods and apostrophes in the name in the Point of Contact (POC) email field in the EDGE Server Request page. |



EDGE Server 10/31/14 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|--|---|
| Web Registration – Search Page | <ul style="list-style-type: none">The EDGE Server Registration site was updated to allow issuers to search by Request Status on the Search Page and successfully return results. |
| Web Registration – EDGE Server Request Page | <ul style="list-style-type: none">The EDGE Server Registration site was updated so that error messages will correctly display when triggered for incorrect or missing field entries in the Additional POC fields section on the EDGE Server Request page. |
| Web Registration – Phone Number | <ul style="list-style-type: none">The EDGE Server Registration site was updated to allow issuers using Internet Explorer (IE) versions 9, 10, or 11 (64 bit) to enter valid phone numbers without triggering an error message when creating EDGE server requests. |

EDGE Server 10/24/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 10/24/14 Maintenance Release Summary (1 of 2)

Current EDGE Server Versions

| | |
|-----------------------------------|--------------------------|
| EDGE Server Web Registration Site | EM_EDGE02.0_b0014 |
| EDGE Server Application | EDGEServer_1.00.00_b0097 |

System Area

Updated Functionality (Now In Production)

| | |
|------------------------------|---|
| EDGE Server | <ul style="list-style-type: none">The EDGE server was updated so that warning messages will no longer display by default when “edge” commands are executed. |
| EDGE Server – NPI Checks | <ul style="list-style-type: none">Some National Provider IDs (NPIs) ending in zero (0) were failing validation. File ingest process has been updated for proper NPI validation. |
| EDGE Server –Security Update | <ul style="list-style-type: none">The EDGE server was updated to include a bash security package update.The EDGE server was updated to include security patches for MySQL that were published by Oracle. The update will upgrade MySQL to version 5.5.40.<ul style="list-style-type: none">We provided a script to enable you to upgrade your MySQL to version 5.5.40 and install the bash and MySQL security patches in the release package on 10/24. This will place a script in the bin directory under EDGE_HOME(e.g., /opt/edge/bin). You can inspect this script, and edit it as you see fit. In order to execute it, run sudo /opt/edge/bin/applyPatches.sh from the command line. |



EDGE Server 10/24/14 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|---|---|
| File Ingest – Remote Command | <ul style="list-style-type: none">File ingest remote command process was updated to execute the “edge queue execute” command automatically during file ingest. This will enable automatic download of remote commands as a part of the “edge ingest” execution.<ul style="list-style-type: none">Many issuers have set up Cron jobs to execute “edge ingest”, and this new feature will also capture reference data updates during normal execution. |
| File Ingest – Medical Claim Field Validation | <ul style="list-style-type: none">The field level validation was updated for the issuerClaimPaidDate field on medical claims. The system will now reject any claims that include an issuerClaimPaidDate that includes alpha characters.<ul style="list-style-type: none">For example, a value of "AAAA-JK-PL" will now fail validation during ingest. |
| File Ingest - Performance | <ul style="list-style-type: none">The file ingest process for medical claims files was updated to improve performance and decrease ingest time by adding an index to the ORIGINAL_CLAIM_ID field on the MEDICAL_CLAIM table. |

EDGE Server 10/17/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 10/17/14 Maintenance Release Summary

Current EDGE Server Versions

EDGE Server Web Registration Site

EM_EDGE02.0_b0014

EDGE Server Application

EDGEServer_1.00.00_b0095

System Area

Updated Functionality (Now In Production)

**Web Registration –
On-Premise EDGE Server**

- Resolved issue where in certain cases, some issuers were receiving an LRH error page when clicking the On-Premise EDGE server property key file download link more than twice.

EDGE Server 10/17/14 Maintenance Release

Pending Functionality

| System Area | Updated Functionality (Coming Soon) |
|-------------|--|
| Performance | <ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines. |
| EDGE Server | <ul style="list-style-type: none">• The “edge ingest” command will also automatically download remote commands that have been set up by CMS. These remote commands will enable automated download of plan reference data updates when made available by CMS. Until this functionality is released, users can get these updates by executing the “edge queue execute” command on the EDGE server. |

EDGE Server 10/10/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 10/10/14 Maintenance Release Summary (1 of 2)

| System Area | Updated Functionality (Now In Production) |
|---|--|
| Web Registration | <ul style="list-style-type: none">• Resolved issue where certain users could not view their request if it failed provisioning.• Resolved issue where in certain cases, some users' business names were not displayed correctly when initially creating their request.• Resolved issue where in certain cases after successful provisioning, some users could not approve requests updated with new Third Party Administrator (TPA) information. |
| Web Registration – Search Page | <ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, some users could not view the entire change history of their request if updates had been made.• Resolved issue where certain TPAs could not view their submitted requests prior to successful provisioning. |
| Web Registration – View/Update Page | <ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, users who had updated the TPA on their request could not view the updated information. |
| Web Registration – Manage Request Page | <ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, users could not change the TPA hosting their server.• Resolved issue where in certain cases after successful provisioning, users could not update their Point of Contact (POC) information. |
| EDGE Server | <ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, some users could not host all of their issuers on the same MySQL database in their External Data Gathering Environment (EDGE) server.• Resolved issue where in certain cases after successful provisioning, some users were unable to successfully upload files to their server.• Resolved issue where in certain cases, users with multiple insurance plans could not load all of their data onto the EDGE server. |

EDGE Server 10/10/14 Maintenance Release Summary (2 of 2)

| System Area | Updated Functionality (Now In Production) |
|--|---|
| Plan Reference Data – Loaded Plan Reference Data for Off-Exchange plans from RBIS | <ul style="list-style-type: none">• New EDGE servers will pick up the plan reference data as a part of provisioning. Servers that have already been provisioned should also pick up a remote command to load this reference data. Issuers who want to be certain that the remote command has been picked up can run the “edge queue execute” command from the EDGE Server console. |
| File Processing | <ul style="list-style-type: none">• Resolved issue where in certain cases after successful provisioning, some users were unable to retrieve detailed error reports for certain file types after processing. |
| EDGE Server | <ul style="list-style-type: none">• Resolved issue where in certain cases, some users were unable to truncate their database tables in their test environments.<ul style="list-style-type: none">• This release includes new functionality to enable you to truncate the data in your test environment, and, pending review with the Centers for Medicare & Medicaid Services (CMS), truncate the data in your Production environment. The following command is executed from the EDGE Server LINUX console by an EDGE Administrator. Any user who has access/permission to run edge commands will be able to execute the following two (2) commands:<ul style="list-style-type: none">• edge truncate test• edge truncate prod• In both cases, the command will search for a file on the Issuer-specific CMS Amazon Web Services (AWS) S3 bucket for permission to execute this command on or before a particular date. In order to get a permission file created for you, please contact the CMS Help Desk by emailing CMS_FEPS@cms.hhs.gov or call 1-855-CMS-1515. |

EDGE Server 10/10/14 Maintenance Release

Pending Functionality

| System Area | Updated Functionality (Coming Soon) |
|---|--|
| Web Registration – On-Premise EDGE | <ul style="list-style-type: none">• System will automatically invalidate the prior application update access key upon creation of new application update access key. |
| Performance | <ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines. |

EDGE Server 10/3/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

EDGE Server 10/3/14 Maintenance Release Summary

| System Area | Updated Functionality (Now In Production) |
|------------------------|--|
| File Processing | <ul style="list-style-type: none">• The application accepts medical claims with dental service codes• The duplicate claim line edit check is disabled for revenue codes 0270-0279• The EDGE application accepts claims with a “paid date” that’s greater than the “claim processed date” <p>*See subsequent slides for additional details around the updated functionality.</p> |

EDGE Server 10/3/14 Maintenance Release Details (1 of 2)

| System Area | Updated Functionality (Now in Production) | Issuer Impact |
|------------------------|---|---|
| File Processing | <p>The system shall support the following service code reference updates for Medical Claim File submissions only:</p> <ul style="list-style-type: none">- Add a new 'serviceTypeCode' value of 01 – Dental service codes and include a logical edit as follows:- Where the 'serviceTypeCode' value = 01, bypass reference edit checks on the 'serviceCode' | <ul style="list-style-type: none">• The application accepts medical claims with dental service codes |
| | <p>The system shall make the following update to the exception list for duplicate checks when processing Medical Claim File Submissions only:</p> <ul style="list-style-type: none">- Expand the REV code exception reference list for supplies from 0272 to 0270-0279 | <ul style="list-style-type: none">• The duplicate claim line edit check is disabled for revenue codes 0270-0279 |

EDGE Server 10/3/14 Maintenance Release Details (2 of 2)

| System Area | Updated Functionality (Now in Production) | Issuer Impact |
|------------------------|---|--|
| File Processing | <p>The system's logical edit check on prescriptionFillDate in the pharmacy file has been updated:</p> <p>The system will no longer perform the following logical edits:</p> <ul style="list-style-type: none"> - The prescriptionFillDate must not exceed the issuerClaimPaidDate by more than one day. - If issuerClaimPaidDate is null, prescriptionFillDate must be <= claimProcessedDateTime. | <p>The EDGE application accepts claims with a "paid date" that's greater than the "claim processed date"</p> |
| | <p>The system's logical edit check on issuerClaimPaidDate in the pharmacy file has been updated:</p> <p>The system will no longer perform the following logical edit:</p> <ul style="list-style-type: none"> - The issuerClaimPaidDate must be <=claimProcessedDateTime <p>The system will continue to perform the following logical edit:</p> <ul style="list-style-type: none"> - If derivedServiceClaimIndicator is N, then Paid Date must be populated | |
| | <p>The system's logical edit checks on the issuerClaimPaidDate in the medical file has been updated:</p> <p>The system will no longer perform the following logical edit:</p> <ul style="list-style-type: none"> - The issuerClaimPaidDate must be <=claimProcessedDateTime <p>The system will continue to perform the following logical edit:</p> <ul style="list-style-type: none"> - If derivedServiceClaimIndicator is N, then Paid Date must be populated | |

EDGE Server 10/3/14 Maintenance Release Pending Functionality

| System Area | Updated Functionality (Coming Soon) |
|------------------------------------|---|
| Plan Reference Data | <ul style="list-style-type: none">The EDGE application plan reference data will be updated to include updated RBIS data on off-exchange plans. Issuers will have to contact CMS if they have off exchange plans that are currently not in RBIS. |
| POC Updates | <ul style="list-style-type: none">Issuers will be able to update point of contact information on EDGE registration requests. |
| Web Registration – Search Page | <ul style="list-style-type: none">TPA can view submitted registration requests with a “pending CMS approval” status. |
| Web Registration – On-Premise EDGE | <ul style="list-style-type: none">System will automatically invalidate the prior application update access key upon creation of new application update access key. |
| Performance | <ul style="list-style-type: none">The application will be able to process claims files with more than one million claim lines. |

EDGE Server 9/26/14 Maintenance Release Notes



[HTTPS://WWW.REGTAP.INFO](https://www.regtap.info)

FM EDGE 2 & 3 Issuer Resources (1 of 5)

| | |
|---------|---------------------------------|
| FM EDGE | Planned PROD Deployment |
| Timing | Saturday, September 27th |

| | Amazon Web Services (AWS) EDGE | On-Premise EDGE |
|----------|---|---|
| Overview | Cloud Server Provisioned by AWS <ul style="list-style-type: none"> • <i>Server set-up</i>: Automated • <i>Hardware requirements</i>: None • <i>Software requirements</i>: OS included in AWS server purchase • <i>Security</i>: Shared responsibility between Amazon and issuers • <i>Infrastructure</i>: Leverages Amazon's existing infrastructure • <i>Scalability</i>: Additional capacity available • *Only the issuer has access to raw data and detailed reports | Physical or Virtual Server Managed / Provisioned by Issuer <ul style="list-style-type: none"> • <i>Server set-up</i>: Manual • <i>Hardware requirements</i>: Server • <i>Software requirements</i>: Issuer purchases OS license • <i>Security</i>: Issuer-owned responsibility • <i>Infrastructure</i>: Issuer-provided based on CMS specifications • <i>Scalability</i>: Dependent on issuer capability • *Only the issuer has access to raw data and detailed reports |
| | Notes | <p>For all of the Job Aids referenced in this document, please refer to the REGTAP library for the latest updates</p> <p>All of the REGTAP Presentations referenced are linked in this document for additional context</p> <ul style="list-style-type: none"> – Dates included in this document reference dates of upload to the REGTAP library <p>For EDGE server support, please send all questions to CMS Help Desk email: CMS_FEPS@cms.hhs.gov or call 1-855-CMS-1515</p> |



FM EDGE 2 & 3 Issuer Resources (2 of 5)

| | |
|---------|---------------------------------|
| FM EDGE | Planned PROD Deployment |
| Timing | Saturday, September 27th |

| | Amazon Web Services (AWS) EDGE | On-Premise EDGE |
|-------------------------------|--|--|
| Issuer Activities & Resources | <p>Step 1: Account Setup</p> <ul style="list-style-type: none"> • Create an Amazon Web Services (AWS) account <ul style="list-style-type: none"> – Job Aid: AWS Account Setup – Presentation: AWS EDGE Server Set-Up Best Practices (9/15) – Presentation: EDGE Server Pre-registration Walkthrough (8/14) – Presentation: EDGE Server Registration & Provisioning Guidance (7/24) – In addition, Amazon developed a YouTube video on “Creating an Amazon Web Services Account” <p>Step 2: Request an AWS EDGE Server Instance</p> <ul style="list-style-type: none"> • Request an AWS EDGE instance as part of establishing an Amazon EDGE server <ul style="list-style-type: none"> – Job Aid: Requesting an AWS EDGE Instance • <i>Prerequisite:</i> AWS account setup must have been completed, including Requesting a Service Limit Increase | <p>Step 1: On-Premise EDGE Server Setup</p> <ul style="list-style-type: none"> • Decide if server is virtual or physical • Pre-configure On-Premise EDGE Server <ul style="list-style-type: none"> – Job Aid: On-Premise EDGE Server Set Up – Presentation: EDGE Server Pre-registration Walkthrough (8/14) – Presentation: EDGE Server Registration & Provisioning Guidance (7/24) – Presentation: On-Premise EDGE Server Guidance (6/26) – Issuers are required to set-up one server instance per HIOS issuer ID and are not permitted to configure deployment properties file to allow multiple HIOS issuer IDs on a single server instance – Issuers have the option to use a hypervisor to create multiple virtual instances on a single physical server |



FM EDGE 2 & 3 Issuer Resources (3 of 5)

FM EDGE Planned PROD Deployment

Timing **Saturday, September 27th**

Amazon Web Services (AWS) EDGE

Step 3: EDGE Server Registration

- Access the EDGE server registration site and submit a request for an EDGE server
 - **Job Aid: EDGE Server Registration**
- *Prerequisites:*
 - All issuers must register for a HIOS Issuer ID
 - Issuers must request in HIOS an EDGE server registration user role:
 - Issuer EDGE Registration Request Submitter (submits / manages EDGE server requests)
 - Issuer EDGE Registration Request Approver (approves EDGE server requests)
 - Note: Submitters and Approvers should BOTH be registered for roles prior to starting registration for an EDGE server
 - Issuers acting as a TPA must identify themselves in HIOS as an EDGE server TPA by editing their organization in HIOS
 - Register for an AWS Account (and select support level)
 - Email aws-edge@amazon.com for a BAA
 - Contact Amazon to set up alternate payment options

On-Premise EDGE

Step 2: On-Premise EDGE Server Registration

- Access the EDGE server registration site and submit a request for an EDGE server
 - **Job Aid: EDGE Server Registration**
- *Prerequisites:*
 - All issuers must register for a HIOS Issuer ID
 - Issuers must request in HIOS an EDGE server registration user role:
 - Issuer EDGE Registration Request Submitter (submits / manages EDGE server requests)
 - Issuer EDGE Registration Request Approver (approves EDGE server requests)
 - Note: Submitters and Approvers should BOTH be registered for roles prior to starting registration for an EDGE server
 - Issuers acting as a TPA must identify themselves in HIOS as an EDGE server TPA by editing their organization in HIOS
 - Obtain and configure On-Premise server:
 - Choose physical or virtual server
 - Install and configure software: Red Hat Enterprise Linux v6.5 (64 bit); MySQL version 5.5.37; Java version 1.7 u51
 - Configure firewall rules
 - Set up file directories

FM EDGE 2 & 3 Issuer Resources (4 of 5)

FM EDGE Planned PROD Deployment

Timing **Saturday, September 27th**

Amazon Web Services (AWS) EDGE

Step 4: Amazon EDGE Server Provisioning

- Once an AWS EDGE server request has been approved by CMS, the EDGE server is automatically provisioned in the AWS cloud using the details provided during registration, and requires no further action from the issuer
- Once provisioning is completed, the request status is updated in the registration site and the user is able to log in to AWS and begin processing files
 - **Job Aid: AWS EDGE Server Provisioning**
 - [Presentation: EDGE Server Registration & Provisioning Guidance](#) (7/24)
- *Prerequisite:* AWS EDGE server registration; CMS approval of EDGE server request

Step 5: Setup AWS File Processing Email Notification

- Create a subscription email service in AWS that will send notifications to issuers anytime a file has been picked up for processing, loaded to outbox (outbound report), and / or sent to CMS
- Set up email notification using Amazon's Simple Notification Service (SNS), a push messaging service for mobile devices allowing for notifications by SMS texts or email to Amazon Simple Queue Service (SQS) queues or any HTTP endpoint
 - **Job Aid: AWS File Processing Email Notification**
- *Prerequisites:* Confirmation of successful provisioning, connection, and functioning of EDGE server

On-Premise EDGE

Step 3: On-Premise EDGE Server Provisioning

- Manually run installation scripts downloaded from the EDGE registration site
- Confirm successful installation and connect to the EDGE server
 - **Job Aid: On-Premise EDGE Server Provisioning**
 - [Presentation: On-Premise EDGE Server Provisioning and File Load Processing](#) (9/18)
 - [Presentation: EDGE Server Registration & Provisioning Guidance](#) (7/24)
- *Prerequisite:* EDGE server registration; CMS approval of EDGE server request

FM EDGE 2 & 3 Issuer Resources (5 of 5)

| | |
|---------|---------------------------------|
| FM EDGE | Planned PROD Deployment |
| Timing | Saturday, September 27th |

| | Amazon Web Services (AWS) EDGE | On-Premise EDGE |
|-------------------------------|--|---|
| Issuer Activities & Resources | <p>Step 6: Amazon EDGE Server File Processing</p> <ul style="list-style-type: none">• Upload enrollee and claims files to their AWS S3 bucket and generate outbound reports<ul style="list-style-type: none">– File Ingest<ul style="list-style-type: none">○ Issuers upload enrollment, claims and supplemental diagnosis files○ EDGE server software applies verification edits outlined in the Interface Control Document (ICD) and EDGE Server Business Rules– Outbound Reports<ul style="list-style-type: none">○ Outbound reports are file processing reports generated after inbound files submitted by issuers are processed and verified○ Outbound files will be available to the issuer in order to review and analyze the processing results of the enrollment, claims and supplemental diagnosis information submitted for RI and RA processing– Job Aid: AWS EDGE Server File Processing– Presentation: File Load Processing, Outbound Reports & Error Codes (9/5)• <i>Prerequisites:</i> Confirmation of successful provisioning, connection, and functioning of EDGE server | <p>Step 4: On-Premise EDGE Server File Processing</p> <ul style="list-style-type: none">• Upload enrollee and claims files to their OP file directory and generate outbound reports<ul style="list-style-type: none">– File Ingest<ul style="list-style-type: none">○ Issuers upload enrollment, claims and supplemental diagnosis files○ EDGE server software applies verification edits outlined in the Interface Control Document (ICD) and EDGE Server Business Rules– Outbound Reports<ul style="list-style-type: none">○ Outbound reports are file processing reports generated after inbound files submitted by issuers are processed and verified○ Outbound files will be available to the issuer in order to review and analyze the processing results of the enrollment, claims and supplemental diagnosis information submitted for RI and RA processing– Job Aid: On-Premise EDGE Server File Processing– Presentation: On-Premise EDGE Server Provisioning and File Load Processing (9/18)– Presentation: File Load Processing, Outbound Reports & Error Codes (9/5)• <i>Prerequisites:</i> Confirmation of successful provisioning, connection, and functioning of EDGE server |



FM EDGE 2 & 3 Pending Functionality

| | |
|----------------|---------------------------------|
| FM EDGE | Planned PROD Deployment |
| Timing | Saturday, September 27th |

| System Area | Updated Functionality (Coming Soon) |
|------------------------------------|--|
| File Processing | <ul style="list-style-type: none">• The EDGE application will accept claims with a “paid date” that’s greater than the “claim processed date”• The duplicate claim line edit check will be disabled for revenue codes 270-279.• The application will accept dental claims. |
| POC Updates | <ul style="list-style-type: none">• Issuers will be able to update point of contact information on EDGE registration requests. |
| Web Registration – Search Page | <ul style="list-style-type: none">• TPA can view submitted registration requests with a “pending CMS approval” status. |
| Web Registration – On-Premise EDGE | <ul style="list-style-type: none">• System will automatically invalidate the prior application update access key upon creation of new application update access key. |
| Performance | <ul style="list-style-type: none">• The application will be able to process claims files with more than one million claim lines. |
| Plan Reference Data | <ul style="list-style-type: none">• The plan reference file will be updated to include off-exchange plans that are currently registered in RBIS (the reference file will be updated by (10/4/14). Issuers will have to contact CMS if they have off exchange plans that are currently not in RBIS. |

