



Wage Report File Formats and Error Processing

Version 1.0

10/28/2024

VERSION HISTORY

Version #	Implemented By	Revision Date	Approved By	Approval Date	Reason
1.0	Infosys	10/28/2024	TBD	TBD	Initial Version
2.0	Infosys	11/5/2024	TBD	TBD	Updated to remove Employee Classification and Rel 3 information
3.0	Infosys	11/12/2024	TBD	TBD	Updated "combined FICA" field to "Y" for required. Updated Employee contribution % to "Employer" and moved to Employee level in Schema per email 11/12

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Introduction

This document defines the formats for the wage report files that are used by Delaware Department of Labor. The purpose of this interface is to allow Employers, Third Party Administrators (TPA), and staff to submit employment and wage detail information via various sources. These formats are available for download in the employer/TPA portals, and these can be made available for staff download if the state allows staff assistance for wage filing. Once populated they can be uploaded into the employer/TPA/staff portals or can be dropped into a secure file location using Secure File Transfer Protocol (SFTP). The file contains the wages earned by all employees during a specific quarter. This includes in-state and out of state wages for Paid Family Medical Leave. Employers are required to submit this information once per quarter. Delaware Department of Labor supports both CSV and XML formats. Each of these contains the same data represented in the respective formats. Both formats support single filers and third-party administrators submitted on behalf of many employers.

LaborFirst processes the files in both real-time and batch processing depending on file sizes and system load. If the file is processed in a nightly batch, the file status will be available online the next business day.

File Format Download

For the file format download the screens that are designed for this are defined in DeDOL Program-Common-Wage and Contribution Reporting. These screens include the download file format information as well as the screens that show all the errors that occurred in the file processing for the files that are below the size threshold.

File Format-XML (Single and Bulk)

Soap Envelope and Header Details

```
<?xml version="1.0"?>
<soap:Envelope
xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
soap:encodingStyle="http://www.w3.org/2003/05/soap-encoding">
Tag before the body of the message
<soap:Body>
Tags for the end of the message
</soap:Body>
</soap:Envelope>
```

XML Body Details – See Below

```
▼ <DEWageAndHourReport>
  <TotalRecordCount>3</TotalRecordCount>
  <PreparerLegalName>Paychex, Inc.</PreparerLegalName>
  <PreparerFEIN>102223123</PreparerFEIN>
  ▼ <Employer>
    ▼ <EmpRow-0>
      <EmployerAccountNumber>12039292</EmployerAccountNumber>
      <Year>2024</Year>
      <Quarter>2</Quarter>
      ▼ <Wages>
        ▼ <WageRow-0>
          <SocialSecurityNumber>888669999</SocialSecurityNumber>
          <FirstName>Fname1</FirstName>
          <LastName>Lname1</LastName>
          <EmployerContributionPct>55</EmployerContributionPct>
          <FICAWages/>
          <CombinedOutOfStateWages/>
          <TotalHours>400</TotalHours>
          <WeeksWorked>13</WeeksWorked>
          <AdjustmentReason/>
        </WageRow-0>
        ▼ <WageRow-1>
          <SocialSecurityNumber>888669999</SocialSecurityNumber>
          <FirstName>Fname1</FirstName>
          <LastName>Lname1</LastName>
          <EmployerContributionPct>55</EmployerContributionPct>
          <FICAWages/>
          <CombinedOutOfStateWages/>
          <TotalHours>480</TotalHours>
          <WeeksWorked>13</WeeksWorked>
          <AdjustmentReason/>
        </WageRow-1>
        ▼ <WageRow-2>
          <SocialSecurityNumber>111669999</SocialSecurityNumber>
          <FirstName>Fname2</FirstName>
          <LastName>Lname2</LastName>
          <EmployerContributionPct>55</EmployerContributionPct>
          <FICAWages/>
          <CombinedOutOfStateWages/>
          <TotalHours>480</TotalHours>
          <WeeksWorked>13</WeeksWorked>
          <AdjustmentReason/>
        </WageRow-2>
      </Wages>
    </EmpRow-0>
    ▼ <EmpRow-1>
      <EmployerAccountNumber>33322333</EmployerAccountNumber>
      <Year>2024</Year>
      <Quarter>1</Quarter>
      ▼ <Wages>
        ▼ <WageRow-0>
          <SocialSecurityNumber>888669999</SocialSecurityNumber>
          <FirstName>Fname1</FirstName>
          <LastName>Lname1</LastName>
          <EmployerContributionPct>55</EmployerContributionPct>
          <FICAWages/>
          <CombinedOutOfStateWages/>
          <TotalHours>400</TotalHours>
          <WeeksWorked>13</WeeksWorked>
          <AdjustmentReason>UP1</AdjustmentReason>
```

File Format-CSV (Single and Bulk)

Release	Header	Type	Length	Sample Value	Required	Notes
2	Total Record Count	Numeric	5	500	Y	Total Number of Wage records in the file (Must be same for all rows)
2	Preparer Legal Name	String	200	Paychex, Inc.	N	Required for TPA. Name of the Company filing the Wages.
2	Preparer FEIN	String	9	102223123	N	Required for TPA. FEIN of the Company filing the Wages. This must be 9 digits including the preceding zeros
2	Employer Account Number	Numeric	8	10009876	Y	Labor First Employer Acct Number
2	Year	Numeric	4	2023	Y	Reporting Year
2	Quarter	Numeric	1	1	Y	Reporting Quarter
2	Social Security Number	String	9	888669999	Y	For authorized workers that do not have an SSN or ITIN, all 0s or all 9s will be accepted. This must be 9 digits including the preceding zeros
2	First Name	String	40	Thomas	Y	
2	Last Name	String	80	Peterson	Y	
2	Employer Contribution %	Numeric	3	50	Y	50-100%
2	FICA Wages	Numeric	16,2	123456.55	Y	Delaware FICA wages
2	Combined FICA Out of State Wages	Numeric	16,2	123456.56	Y	This is a required field. If no wages, then report 0 dollars
2	Total Hours	Numeric	4	40	Y	UI rules apply to this field. This is a required field. If no total hours, then report 0 hours.
2	Weeks Worked	Numeric	2	13	Y	UI rules apply to this field. This is a required field. If no weeks worked, then report 0 weeks worked.
2	Adjustment Code	String	3	UP1	N	Reason code for adjustment (if any) to employee wages. A blank space means original filing. Blank/Empty – Original Filing UP1 – Update due to Incorrect Name UP2 - Update due to Incorrect SSN UP3 - Update due to Incorrect Wages UP4 - Update due to Incorrect Weeks/Hours Worked UP5 - Update due to Incorrect Classification

						UP6 - Update due to Incorrect Location DEL – Delete as it was Entered in Error
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File Processing

The file may contain a mixture of original wage data or adjustments to prior quarters wage information. The only exception is that the system will not allow an original and an adjustment for the same SSN, quarter and year.

Note: The wages need to be sorted by the Employer Account Number, Wage Year and Wage Quarter.

Once the file is received the system first applies the file to two staging objects.

1. Upload Report Object: This object gives information on whether the file was successfully uploaded or if there are errors in the file.
2. Upload Report Details Object: This object gives the details of the records that were included in the file that was processed.

After the file is applied to the staging objects, the record in the Upload Report Object contains a status of the file.

1. Pending: Detail records are ready to be processed to determine if they have errors or are free of errors.
2. Error: At least one record in the file has an error or the complete file failed.
3. Ready: Detail records have no errors and are ready to be moved to the wage object.
4. Success: Detail records have all been moved to the wage object and processing is complete.
5. In Progress: File size is above the threshold and will be processed in a batch job. Once processed the status will change to Error/Ready/Success, depending on where the file is in processing.

When the file reaches a status of 'Success' then the detail records in the file are applied to the Wage Object and the records are set to a status of 'Active'.

Error Processing

There are two levels of error processing. The first level is determining if the file can even be applied to the initial staging objects. This is processing errors such as:

- File Format and Schema validation

- Record Number validation >0
- Record count validation

If one of these errors occur, the system will write a record in the Upload Report object with the error message of what occurred.

The second level of error processing is determining if the detail records in the file have any errors. This is processing errors such as:

- At least one required field is missing, for example Employer account number is missing
- Account number does not match an existing account in Labor First Application
- Social Security number is not 9 digits or is INVALID
- Year is not numeric or between 2000-2050 (these dates are configurable)
- Quarter is not numeric or not between 1-4
- Quarter/Year is not valid for employer
- Wages are not positive or a valid currency format
- Total hours are not numeric
- Weeks Worked are not numeric
- TPA not authorized to file wage reports for employer account number in file (for TPAs only)
- SSN, Quarter, Year has Original and Adjustment record

Note: The file processing will stop once the error count of the file reaches the threshold. This threshold is a configurable percentage or error count. For e.g. Max error count per file is 25. The processing of file will stop if the number of errors reaches 25.

Error Correction

If an error is identified the employer/TPA/staff can see on the screen the errors that have occurred in the file so that the file can be fixed and then re-loaded. The system will not allow a file with errors to be applied to the final wage table until all errors are corrected.

Error messages are available in the portals for the employer/TPA to see if the file size is within a specific threshold. If the file size is above a specific threshold the employer/TPA will see a status of 'In Progress' when the file is being processed and then will follow the additional statuses listed above. The error messages for the files above the threshold will be communicated to the employer through a report or file depending on if they are using the portal or SFTP.

The error screens are displayed in a functional document and will include information such as Submission Date, Submission Time, Records, Error Records, Status, Link to Errors, Failure Reason (if file fails completely).

File Name

There is no specific filename format that is required by LaborFirst. The following naming structure is recommended.

- Employers -> **DEWH_EMP_ACCNO_MMDDYYYY_HH24MISS.csv**
- TPA -> **DEWH_TPA_ACCNO_MMDDYYYY_HH24MISS.csv**

File Size

The file size will be limited to 20 MB for the Report that is uploaded from the Portal screens. There will not be a specific file size limit for any files submitted to the SFTP Location.

Compressed Files

Compressed files are not supported currently.