

WHITE PAPER

TRANSFORMING GOVERNMENT INVOICING EFFICIENCY

The Benefits of the LDC Electronic WAWF System



www ldcglobal.com



Executive Summary

Government contracting organizations face stringent invoicing requirements, particularly when working with the U.S. Department of Defense (DoD). Accurate, timely submission of payroll-based invoices through the Wide Area Workflow (WAWF) system is essential, yet historically labor-intensive and error-prone.

Logic Design Corporation (LDC) has developed the **LDC Electronic WAWF System**, an automation solution designed to streamline the invoicing process for staffing companies. Implemented by **Donald L. Mooney Enterprises**, the system replaces manual data entry with a fully automated workflow, significantly reducing administrative burden, minimizing errors, and accelerating invoice submission.

This white paper outlines the challenges of the legacy process, the functionality of the LDC solution, and the measurable benefits realized by its implementation.

The screenshot displays the LDC Electronic WAWF System interface, Version 1.02 Build # 17. The main window shows a detailed view of an invoice for contract 12F018334188T. The interface includes a top navigation bar with options like File, Operations, and a central pane with tabs for Invoice Header, Line Item, Documents, Actions, Addresses, Contracts, Task Order Codes, Raw File, and Processed File. The central pane displays a table of invoice line items with columns for Invoice #, Total Hours, Invoice Total, Usage Percent, and Status. A summary table at the bottom right shows totals for the invoice, including Total Hours (2,567.40), Invoice Total (\$296,189.36), and Rows (24). The interface also includes fields for Contract #, CAGE Code, Reference Procurement Identifier, Effective Date, and various checkboxes for processing options like 'Include Zero Invoices' and 'Include Zero Items'.

Background and Challenge

Prior to adopting the **LDC Electronic WAWF System**, Donald L. Mooney Enterprises used a manual, multi-step process for submitting weekly payroll invoices:

1. Payroll Data Extraction

- Weekly payroll hours were manually exported into a spreadsheet from the payroll system.
- The spreadsheet required manual formatting to align with WAWF submission standards.

2. Manual Data Entry into WAWF

- Personnel logged into the DoD WAWF website.
- Each payroll transaction was manually entered into the system.
- This process was repetitive, time-consuming, and dependent on human accuracy.

3. Quality Assurance and Error Correction

- Entries required manual review for accuracy.
- Errors necessitated time-consuming corrections directly in the WAWF system.

4. Rejection Handling

- If submissions were rejected, email notifications were received from the DoD.
- Staff had to re-enter the WAWF system to locate and correct issues.

Key Challenges Identified

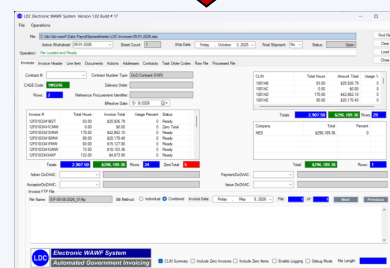
- Excessive manual workload (over 10 hours per week)
- High risk of data entry errors
- Delays in invoice submission
- Inefficient error correction process
- Lack of integration between internal payroll systems and WAWF

Solution Overview: LDC Electronic WAWF System
The **LDC Electronic WAWF System** is an automated integration and submission platform designed to eliminate manual interaction with the WAWF interface.

Core Capabilities

- **Automated Payroll Import**
 - Seamlessly imports weekly payroll spreadsheets generated by the client's payroll system.
- **Automated File Generation**
 - Instantly converts payroll data into a compliant FTP submission file.
- **Integrated Transmission Process**
 - Automatically launches WinSCP and securely logs into the WAWF system.
 - Handles file transmission without manual intervention.

- **Attachment Management**
 - Enables users to include supporting documentation with each invoice submission.
- **Rapid Submission and Confirmation**
 - Submits FTP files and attachments within minutes.
 - Receives confirmation emails verifying successful acceptance.

An Excel spreadsheet with multiple columns and rows of data. The columns include various identifiers and numerical values. The data appears to be organized in a structured format, likely representing payroll information.

Workflow Transformation

Before Implementation

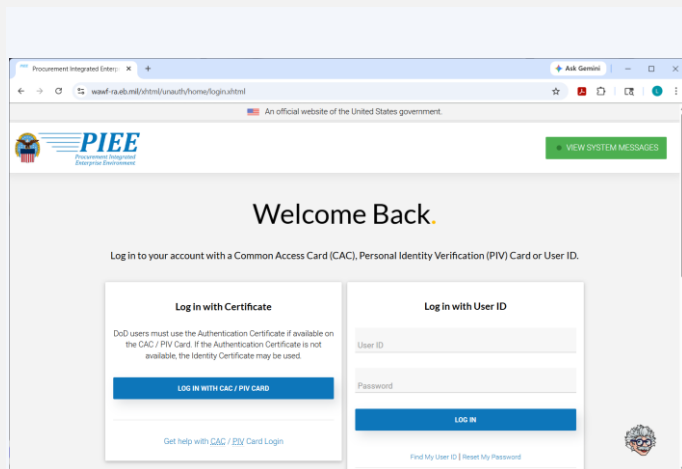
Manual process requiring:

- Spreadsheet creation and formatting
- Direct interaction with WAWF interface
- Manual data entry for each transaction
- Post-entry validation and corrections

After Implementation

Automated process:

1. Import payroll spreadsheet
2. Generate FTP file instantly
3. Initiate automated transmission
4. Receive confirmation of successful submission



**Electronically Transmits WAWF
Invoices with a Click of a Mouse**

Quantifiable Benefits

1. Significant Time Savings

- Eliminates **over 10 hours per week** of manual data entry
- Frees personnel for higher-value activities

2. Improved Accuracy

- Removes human data entry errors
- Ensures consistent formatting and compliance with WAWF requirements

3. Faster Invoice Processing

- Reduces submission time from hours to minutes
- Accelerates billing cycles and improves cash flow

4. Reduced Administrative Overhead

- Minimizes need for manual verification and corrections
- Streamlines exception handling for rejected transactions

5. Enhanced Compliance and Reliability

- Ensures accurate and standardized submissions to DoD systems
- Provides consistent audit-ready documentation

6. Improved Employee Productivity

- Allows staff to focus on strategic and operational tasks rather than repetitive data entry

Business Impact for Donald L. Mooney Enterprises

By adopting the **LDC Electronic WAWF System**, Donald L. Mooney Enterprises has transformed its invoicing operations:

- Achieved measurable operational efficiency gains
- Reduced risk associated with manual errors
- Improved responsiveness in government billing cycles
- Enhanced overall workflow reliability

The organization now benefits from a modernized, automated invoicing pipeline aligned with best practices in government contracting.



Conclusion

The **LDC Electronic WAWF System** represents a significant advancement in automating government invoicing workflows. By eliminating manual processes and integrating directly with WAWF submission mechanisms, Logic Design Corporation has enabled clients like Donald L. Mooney Enterprises to achieve:

- Higher efficiency
- Greater accuracy
- Faster turnaround times
- Lower operational costs

As government contracting requirements continue to evolve, automation solutions such as the **LDC Electronic WAWF System** provide a scalable, reliable foundation for future growth and compliance.

About Logic Design Corporation

Logic Design Corporation specializes in developing tailored software solutions that streamline business processes, enhance system integration, and improve operational efficiency for organizations operating in complex regulatory environments.



To learn more:

<https://ldcglobal.com/wawf/>

www.ldcglobal.com