Wide Area Workflow (WAWF)
Interface Design Document (IDD)

Appendix ZZ
841 – Specifications/Technical Information
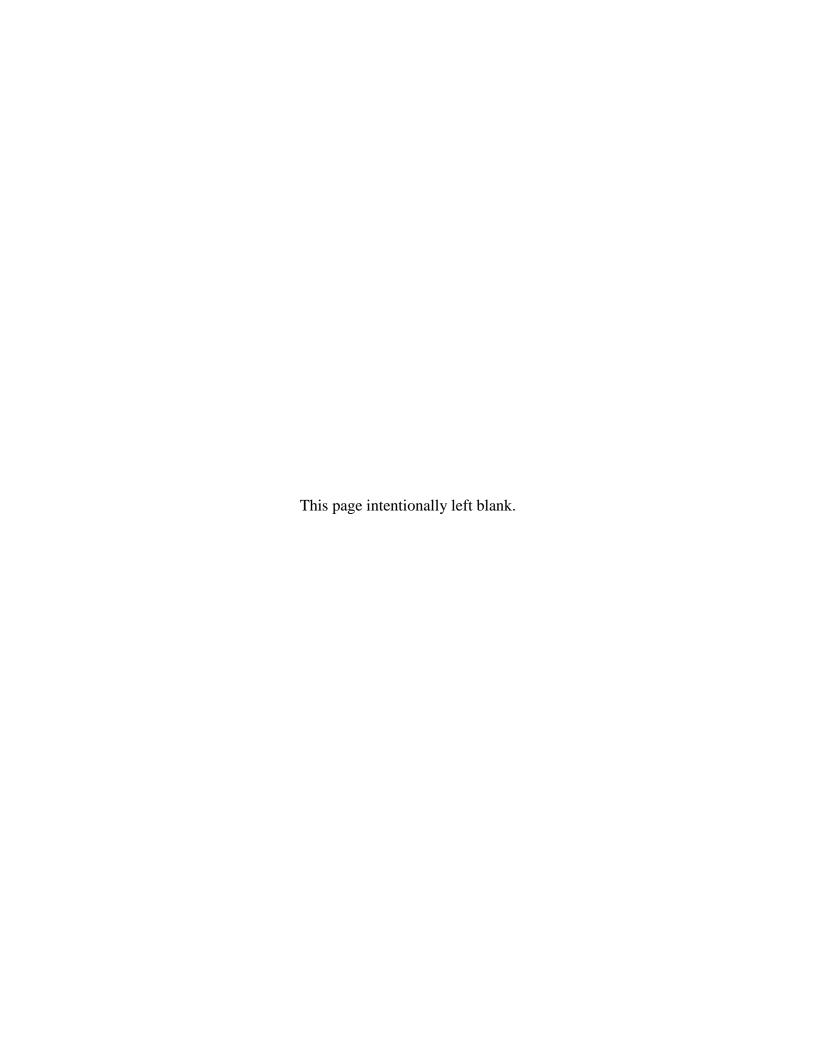# Transaction Set

WAWF EDI Implementation Guide

DoD IC: 004010F841 – Date TBD

Version
5.2.0

October 2011

Revision 1 (As of June 21, 2011)

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History Page

Version	*Date*	*Change Description*
5.0.0-1	07/09/10	RAD257 - Updated all guides to 5.0.0 version with a delivery date of January 2011
5.1.0-1	2/21/11	CAM83 Update All Guides with v5.1, July 2011
5.1.0-2	04/21/11	CAM84 Removed all History prior to 5.0
5.2.0-1	06/21/11	CAMCG109 Update All Guides with v5.2, October 2011

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1   General Instructions

The following pages represent the WAWF Data Element/Segment Cross Reference for reporting 841 EDI data into WAWF for attachments. The tables that follow present the usage of the Segments and Data Elements arrayed in Transaction Set Order. Only the Segments that the WAWF vendor will send to GEX are outlined below. This EDI Guide is based on the latest draft of the Implementation Convention for the 841 (Version 4010).

NOTE: If using a word processor program (i.e. Microsoft Word, WordPerfect, Microsoft WordPad, Microsoft Write, etc.) to create EDI files, then the text must first be cut/copied out of the word processor program and pasted into Microsoft Notepad, or another ASCII text editor and saved in the text editor, before sending the data to WAWF. This converts the text to text-only format and removes control characters that contain formatting information.

Sending Attachments to WAWF:

Vendors should only use the 841 EDI Transaction Set to send attachments to WAWF via EDI.

Vendors should not use the 841 EDI Transaction Set for anything other than sending attachments to WAWF.

Please refer to the EDI_WAWF_Guide.doc for detailed EDI enveloping instructions for attachment data as only one document (i.e. one Transaction Set) can be transmitted with one 841 in an ISA/IEA) when attachment data is submitted to WAWF.

Refer to the WAWF Website for Instructions on how to send Binary Data using a BIN segment for attachment data. The Instructions provide details on how to get the BIN01 binary data count. This document also explains to the vendors how to use Base64 software for sending attachments to WAWF via EDI. **Document Name: 841_Binary_Attachment_Instructions.doc**

WARNING: Wide Area Workflow (WAWF) is designated for Sensitive Unclassified information ONLY. Do NOT upload classified attachments into WAWF.

Each Segment table includes the following:

1. Data Segment   X12 Segment

2. Description   X12 Name

3. Element   X12 Data Element Reference Number

4. Format & Min/Max   Specific to WAWF, not ANSI X12

5. Requirements   Depicts whether the Segment is:

        M – Mandatory – Usage is required.

        O – Optional – Can be used or not used.

        C – Conditional – Contingent upon another criteria being met. (Field is not mandatory or optional, e.g. Extension Fields to Department of Defense Activity

                         Address Codes (DoDAAC); use if a DoDAAC is present.) See Notes Column for specific instructions.

                         N/A – Not Allowed

6. WAWF Notes   Contains notations of the Field's usage or restrictions

Fields included within WAWF display the "Type" Field depicting the value used.

- **Nv** Numeric Field where v = number of decimal positions, decimal implied (i.e. 300 will be read as 3.00)

- **R** Decimal number. If value includes decimal, then WAWF requires decimal point and value be sent: WAWF will NOT imply or assume decimal points. Examples:

   - o 300 will be read into WAWF as "300"

   - o 3.00 will be read into WAWF as "3"

   - o 3.5 will be read into WAWF as "3.5"

- **ID** Identifier

- **AN** Alpha/Numeric String

- **DT** All Date Fields will use the format CCYYMMDD

- **TM** All Time Fields will use the format HHMMSS

Notes:

- Above and below each Segment there are notes pertaining to WAWF. The values that WAWF accepts are also noted. WAWF ignores all codes not identified in this guide.

- The word "must" in a Segment Note implies that the Segment is mandatory. The word "may" in a Segment Note implies that this Segment is Conditional based on the terms of the contract or the needs of the contractor.

1.1 ST Segment – Transaction Set Header, Pos. 010 - Header

NOTE: There must be only one instance of ST per transaction set.

Segment	*Description*	*Element*	*WAWF Min/Max*	*WAWF Req.*	*WAWF Notes*	*Type*
ST01	Transaction Header	143	3/3	M	841	ID
ST02	Transaction Set Control Number	329	4/9	M	Identifying Control Number by Originator	AN

Sample:

ST^841^0001

1.2   SPI Segment – Specification Identifier, Pos. 020 - Header

NOTE: There must be only one instance of SPI per transaction.

Segment	Description	Element	WAWF Min/Max	WAWF Req.	WAWF Notes	Type
SPI01	Security Level Code	786	2/2	M	See code below	ID
SPI02	Reference Identification Qualifier	128	2/3	C	See codes below	ID
SPI03	Reference Identification	127	1/30	C		AN
SPI04	Entity Title	790	N/A	N/A	Not Used	N/A
SPI05	Entity Purpose	791	N/A	N/A	Not Used	N/A
SPI06	Entity status Code	792	N/A	N/A	Not Used	N/A
SPI07	Transaction Set Purpose Code	353	2/2	O	See code below	ID
SPI08	Report Type Code	755	2/2	O	See code below	ID
SPI09	Security Level Code	786	2/2	O	See code below	ID

Sample:

SPI^11^TN^<transaction set control no. of EDI transaction that the attachments relate to>^^^^00^AE^11

SPI01 – *Security Level Code*

11   Competition Sensitive

SPI02 – **Reference Identification Qualifier**

TN   Transaction Reference Number (841 IC request: add this code)

SPI07 – *Transaction Set Purpose Codes*

00   Original (841 IC request: Remove the SPI07 "Not Used" note and add code 00 – DE 353)

SPI08 – *Report Type Codes*

AE   Attachment (841 IC request: Remove the SPI08 "Not Used" note & add code AE - DE 755)

SPI09 – *Security Level Code*

11   Competition Sensitive

1.3   HL Segment – Hierarchical Level, Pos. 010 - Detail

NOTE: There must be only one instance of HL for WAWF with EFI and BIN Segments that follow for attachment data.

Segment	*Description*	*Element*	*WAWF Min/Max*	*WAWF Req.*	*WAWF Notes*	*Type*
HL01	Hierarchical ID Number	628	1/12	M	In the first Loop, cite number 1. Increase by one each subsequent Loop.	AN
HL02	Hierarchical Parent ID Number	734	1/12	O		AN
HL03	Hierarchical Level Code	735	1/2	M	Enter code "SD" for Support Document	ID
HL04	Hierarchical Child Code	736	1/1	M	Code Indicates if there are subordinate Segments to the structure. See list below.	ID

Sample:

HL^1^^SD^0

Note:

Enter "SD" in HL03 for Support Document.

<u>HL04</u> *– Hierarchical Child Codes*

0   No subordinate HL Segment is in this hierarchical structure

1.4   EFI Segment – Electronic Format Identification, Pos. 140 - Detail

NOTES: There must be one instance of EFI for attachment data.

The EFI loop consists of an EFI Segment and a BIN Segment (EFI, Pos. 140 and BIN, Pos. 160).

There may be multiple instances of the EFI/BIN Loop in order to send multiple attachments.

Segment	*Description*	*Element*	*WAWF Min/Max*	*WAWF Req.*	*WAWF Notes*	*Type*
EFI01	Security Level Code	786	2/2	M	See code below.	ID
EFI02	Free Form Message Text	933	N/A	N/A	Not Used	N/A
EFI03	Security Technique Code	797	N/A	N/A	Not Used	N/A
EFI04	Version Identifier	799	1/30	C	Vendor will enter: Base64_RFC_3548 SPEC	AN
EFI05	Program Identifier	802	1/30	O	Vendor will enter: Base64	AN
EFI06	Version Identifier	799	1/30	C	Vendor will enter the Version of the attachment (i.e. Word version)	AN
EFI07	Interchange Format	801	1/30	O	Vendor will enter the MIME extension; see the list of EFI07 codes below.	AN
EFI08	Version Identifier	799	N/A	N/A	Not Used	N/A
EFI09	Compression Technique	800	N/A	N/A	Not Used	N/A
EFI10	Drawing Sheet Size Code	789	N/A	N/A	Not Used	N/A
EFI11	File Name	803	1/64	M	Vendor will enter a File Name and extension. The File name should contain no spaces and no special characters except for underscores ("_") which are mandatory in place of spaces. The File Name is mandatory for WAWF and if not provided by the vendor WAWF will reject the file. See below for allowable File Name Extensions.	AN

Sample:

EFI^11^^^Base64_RFC_3548^Base64^7.0^Word^^^^OperatorGuide.doc

EFI01 – *Security Level Code*

06 Supplier Proprietary

11 Competition Sensitive

EFI07 – *Interchange Format & EFI11 – File Name Extentions*

WAWF allows the following File Types for Attachments:

BMP: Bitmap

DOC: Microsoft Word Application - In the IC as WORD, vendor needs to enter WORD

HTM: Hypertext Markup

HTML: Hypertext Markup Language

JPG: Joint Photographic Exerts Group Format

MSG: Microsoft Outlook Application.

PDF: Adobe Acrobat Portable Document Format

PPT: Microsoft PowerPoint Application - In the IC as PPOINT, vendor needs to enter PPOINT

RTF: Rich Text Format

TIF: Tagged Image File Format. - In the IC as TIFF, vendor needs to enter TIFF

TXT: Plain text format

XLS: Microsoft Excel Application - In the IC as EXCEL, vendor needs to enter EXCEL

1.5   BIN Segment – Binary Data, Pos. 160 – Detail

    NOTE: There must be one instance of the BIN Segment following the EFI Segment.

Segment	*Description*	*Element*	*WAWF Min/Max*	*WAWF Req.*	*WAWF Notes*	*Type*
BIN01	Length of Binary Data	784	1/15	M	The BIN01 must match the binary data size in BIN02.	N
BIN02	Binary Data	785	1/*N/A*	M		B

Sample:

BIN^12200^<binary string of 12200 characters representing the Word document>

Notes:

- Refer to the WAWF Website for Instructions on how to send Binary Data using a BIN segment for attachment data. The Instructions provide details on how to get the BIN01 binary data count. This document also explains to the vendors how to use Base64 software for sending attachments to WAWF via EDI. **Document Name: 841_Binary_Attachment_Instructions.doc**

- **Attachments for WAWF cannot be larger than 2MB, cannot exceed 2097152 bytes.**

1.6   SE Segment – Transaction Set Trailer, Pos. 010 - Summary

NOTE: There must be only one instance of SE per transaction.

Segment	*Description*	*Element*	*WAWF Min/Max*	*WAWF Req.*	*WAWF Notes*	*Type*
SE01	Number of included Segments, including ST and SE	96	1/10	M		N0
SE02	Transaction Set Control Number – cite same number as in ST02	329	4/9	M	Same number cited in ST02 must be used.	AN

Sample:

SE^6^0001